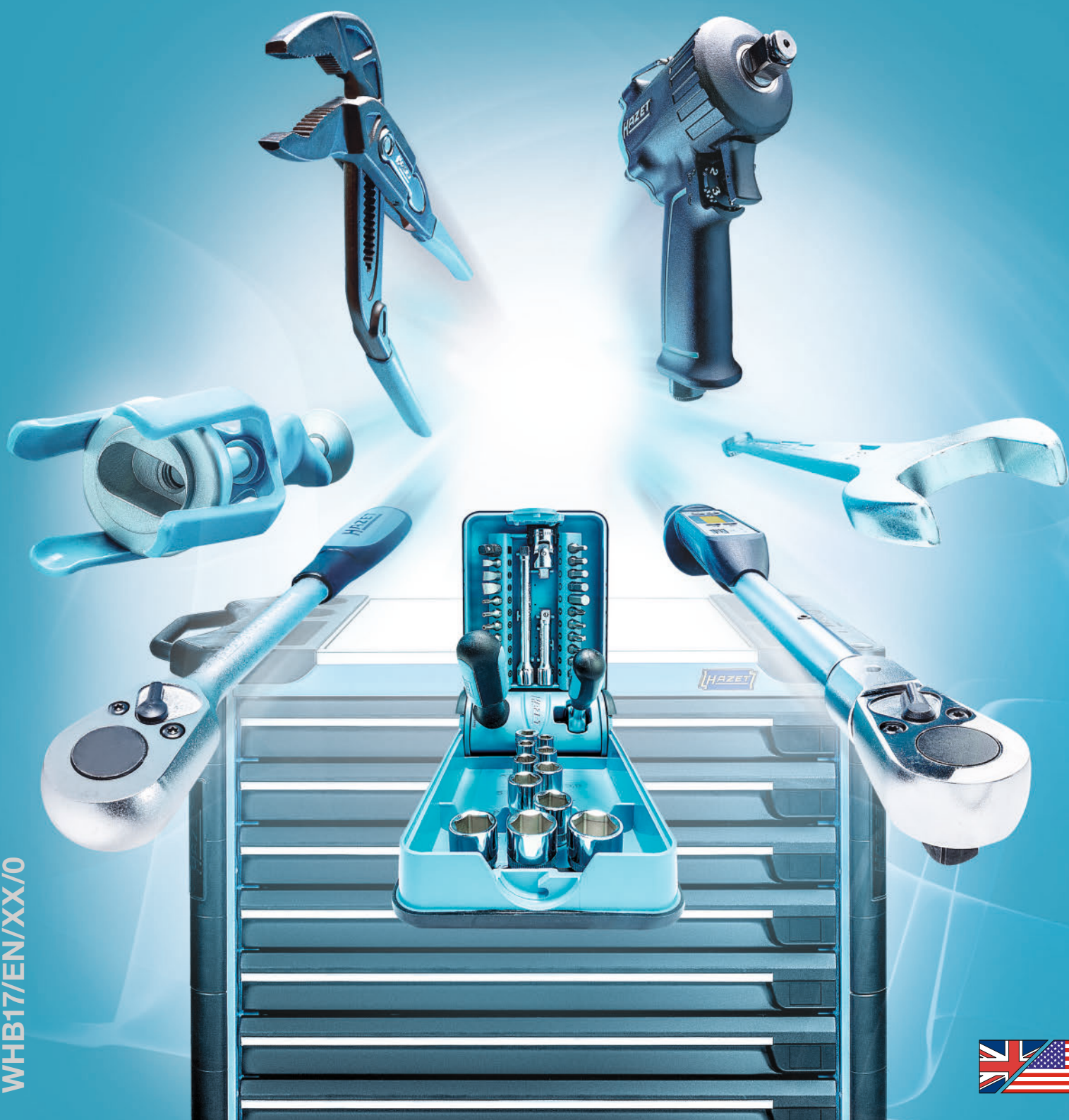




Das Werkzeug



WHB17/EN/XX/0





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Legend

Structure of the HAZET article number:		Structure of the tables		Explanations of icons	
-	In the case of a single article, you will find e.g. the wrench size after the hyphen [-] Example: 600 N-17 → Wrench size 17 mm	s†	Clamping depth in mm		Female connection in torque wrenches
/	In the case of a set or an assortment, you will find the number of parts in the assortment after the slash [/]	7	Depth in mm		Drive of insert tools (torque wrenches)
A	American size (dimensions in inches)	t	Load in tons		Car Body
S	For impact operation (e.g. impact wrench)		TORX ® Size in mm		Drive
Z	12-point profile		Actuating force in kg		Chassis Axles/shock absorbers Wheels/tie rods
G	With hinge		Number of pieces in set/assortment		Oil service
KK	With ball-head	Explanations of icons			Exhaust System
K	Short style				Gearbox/Shaft
Lg / TZ	Long or deep design	(E)	Components and spare parts (Pages 465 – 471) Please also see our spare parts shop www.hazet.de/ersatzteil-shop		Motor Electricity
S Lg	Very long design		For slotted screws		Spark plug Glow plug
T	For inside TORX ® screws		For Phillips-Recess screws (PH)		Cylinder head Valves
E	For outside TORX ® screws		For Pozidriv screws (PZ)		Torque testers
PH	For Phillips-Recess screws		For inside hexagon screws		Engine block Coolant pump Hose connections
PZ	For Pozidriv screws		For outside hexagon screws		Ignition distributor alternator/generator
L	Empty, e.g. tool box, empty		For inside TORX ® screws		Engine components Fuel supply Carburettor/Injection engine
H / HL	In holder / holder, empty		For tamper-resistant TORX ® screws (Inside TORX ® screws with pin guide)		Clutch
P / PL	In plastic insert / insert, empty		For outside TORX ® screws		Starter
K / KL	In tool box / case / tool box, empty	TORX ® is the trademark of the Co. Acument Intellectual Properties LLC. HAZET is licensee for the manufacture of TORX ® tools			Battery
R	With ring		For screws with internal serration (XZN)		Piston
VDE	Tool with protective insulation according to VDE standard		For screws with internal serration with pin		Steering
MgT	With magnet		For spline socket screws (RIBE CV)		Brakes
IG	For inside thread		For polydrive screws		General workshop equipment
AG	For outside thread		For inside 5-star screws with pin		Passenger car
X	Material: stainless steel		TRACTION PROFILE 6-point		Commercial vehicle
N	New design due to change of model		TRACTION PROFILE 12-point		Agricultural machinery
VKH	Chrome-plated, heads highly polished		EN/IEC 60900		Motorcycles
Structure of the tables			1000 V		Industry
			Aircraft and Aerospace		HAZET INFORMATION TECHNICAL SERVICE Further information material at: www.hazet.de → H.I.T.S. video clips
EAN-No. 4000896+	EAN = European Article Number		6.3 1/4" Nominal size 6.3		Borescope / Service technology
B	Width in mm		10 3/8" Nominal size 10		Blister packed
L	Length in mm		12.5 1/2" Nominal size 12.5	HAZET-BLUE Registered community trade mark (RAL 660-2 effect)	
d d1 d2	Diameter in mm		20 3/4" Nominal size 20		
l1	Blade length in mm		25 1" Nominal size 25	For further icon descriptions see www.hazet.de	
l2	Total length in mm		Inside square		
M	Metric thread		Outside square		
s	Wrench size in mm or inches		Inside hexagon		
sb	Clamping range in mm		Outside hexagon		

Contact data

Plant 1

Postal address:

✉ 10 04 61 · 42804 REMSCHEID Germany

Visitor's address:

Güldenwerther Bahnhofstraße 25–29
42857 REMSCHEID Germany

☎ +49 (0) 21 91 / 7 92-0

FAX Management +49 (0) 21 91 / 7 92-100

FAX Head Office +49 (0) 21 91 / 7 92-375

FAX International Sales +49 (0) 21 91 / 7 92-400

www. hazet.de

e-mail info@hazet.de

Plant 2

Industriestraße 46 · 52525 Heinsberg · Germany

☎ +49 (0) 24 52 / 1 08-0

FAX +49 (0) 24 52 / 1 08-100

Plant 3

Am Langen Siepen 13 – 15 · 42857 Remscheid · Germany

FAX Purchase +49 (0) 21 91 / 7 92-700

Plant 4

Vieringhausen 83 · 42857 Remscheid · Germany

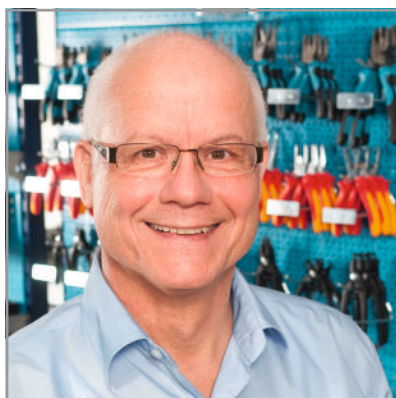
HAZET-WERK · Hermann Zerver GmbH & Co. KG · Wuppertal · Germany · Commercial Register HRA 17574

General Partner: Zerver Verwaltungsges. mbH. · Wuppertal · Germany · Commercial Register HRB 11054

Managing Partners Matthias J. Hoffmann, Guido Schmidt

VAT Identification No. DE 120803534

Technical specialist advice



Bernhard Socha

☎ +49 (0) 21 91 / 7 92-333

FAX +49 (0) 21 91 / 7 92-373

e-mail bernhard.socha@hazet.de



Uwe Remmers

☎ +49 (0) 21 91 / 7 92-333

FAX +49 (0) 21 91 / 7 92-373

e-mail uwe.remmers@hazet.de

Service centre

The HAZET Service Centre is the direct contact and coordination point for services for all of our products.



Address:

HAZET-WERK

Service-Center

Güldenwerther Bahnhofstraße 25 – 29
D-42857 REMSCHEID

☎ +49 (0) 21 91 / 7 92-355

FAX +49 (0) 21 91 / 7 92-523

e-mail service-center@hazet.de

In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.

Mainly the HAZET Service Centre provides you with the following services:

- Repair, adjustment, calibration and certification of HAZET torque wrenches
- All service tasks on HAZET torque wrenches, pneumatic tools, tool trolleys and the rest of the catalogue programme
- Short response times
- Test equipment monitoring service for torque wrenches
- Contact partner in service matters

HAZET – Awards and recognitions



Winner of the “Best Brand Award” for the eleventh time in a row!

HAZET was chosen by the readers of the magazine “Motorrad” as the most popular tool brand “Best Brand” from 2006 to 2016.



Our partners

HAZET – Partner of the automotive industry:



Audi

Vorsprung durch Technik



PORSCHE



**BMW
GROUP**



HYUNDAI

ISUZU

IVECO



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HAZET – Recommendations

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**Specialized tool assortment
– recommended by BMW –**



**PORSCHE
MOTORSPORT
relies on:**

**HAZET Service
Tool Trolley and
Assortments**



Manufacturing competence

Development – Production – Logistics

Development and Design

Plant 1, Remscheid



Blanking

Plant 1, Remscheid



Tool and die making

Plant 1, Remscheid



Production

Plant 1, Remscheid



Electroplating

Plant 2, Heinsberg



Production

Plant 1, Remscheid



We stand for solutions – from concept to series production

With nearly 150 years of experience in the development and production of hand tools, tool trolleys and special tools in three plants in Remscheid and one in Heinsberg, HAZET is one of the leading manufacturers for professional applications in industry, automotive engineering and aeronautics.

Production

Plant 2, Heinsberg



Robotic manufacturing of blanks

Plant 2, Heinsberg



Sheet metal forming

Plant 3, Remscheid

tool trolley production *Assistant*



Powder coating

Plant 3, Remscheid



Torque wrench assembly

Plant 4, Remscheid



Logistics

Plant 2, Heinsberg



Quality assurance and sustainability

HAZET management system for quality – environment – energy



“In our family company, we also focus on our services for society and the environment alongside financial targets, in order to ensure we can act sustainably for generations to come.

For us, it goes without saying that we assume a role model function and integrate the necessary sense of responsibility into the company in terms of protecting and conserving the environment. We therefore also place great value on maintaining our standards when selecting our suppliers and service providers. We also set the bar very high for safety at work as our employees are our most important asset.”

Your HAZET management team

Sustainability measures

-  Green energy
-  Use of steel from Germany (environmentally friendly thanks to shorter transport distances)
-  Conservation of resources
-  Energy evaluation
-  In-house production proportion of more than 75%
-  Safety at work
-  Continual optimisation measures



Ökoprofit Award (resource efficiency and cost-effectiveness)



ISO 14001 Certificate (environmental management standard with focus on a continuous improvement process)



“Top Job” Award 2014 and 2017 (distinction as a “top employer” for excellent employee satisfaction and management quality)



FSC paper (responsibly sourced paper) use in packaging and catalogues



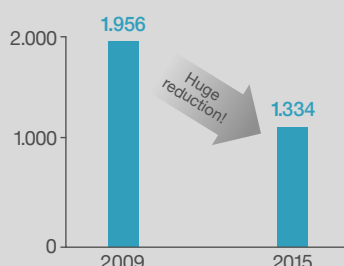
ISO 50001 certificate (energy management with a focus on increasing energy efficiency)



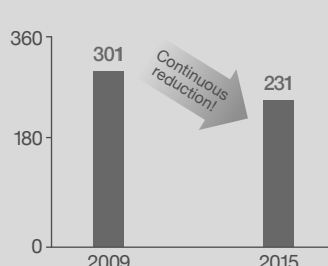
PARTSLIFE environmental prize for a sustainable overall concept in environmental management

The figures at a glance: electricity, gas, waste disposal and employees

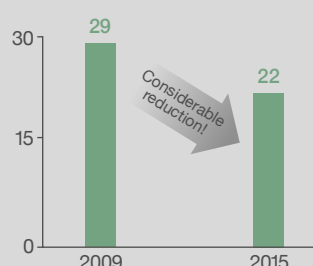
 Electricity consumption/ quantity produced (kWh/t)



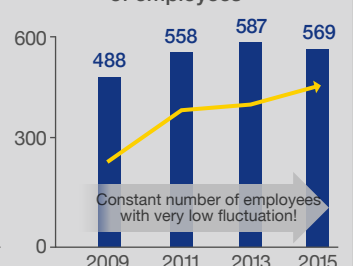
 Gas consumption/built-up area (kWh/m²)



 Waste disposal costs/ quantity produced (€/t)



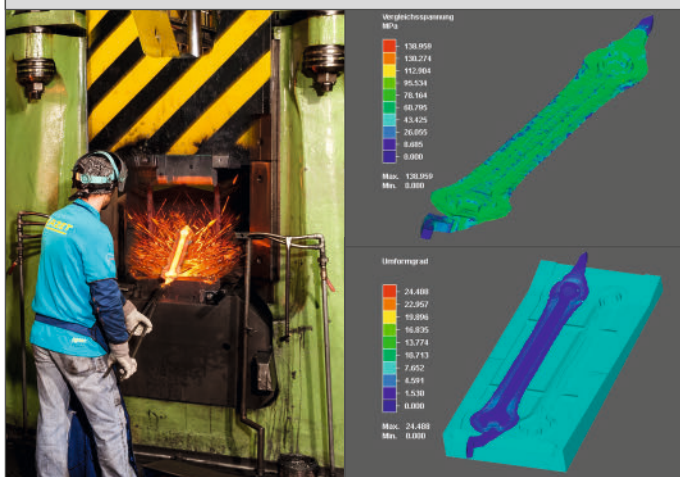
Number of employees
Development of sales versus number of employees



Consistently high quality standards
from the initial product idea through to the after-sales service

High-tech programme

for simulation e.g. of forging processes



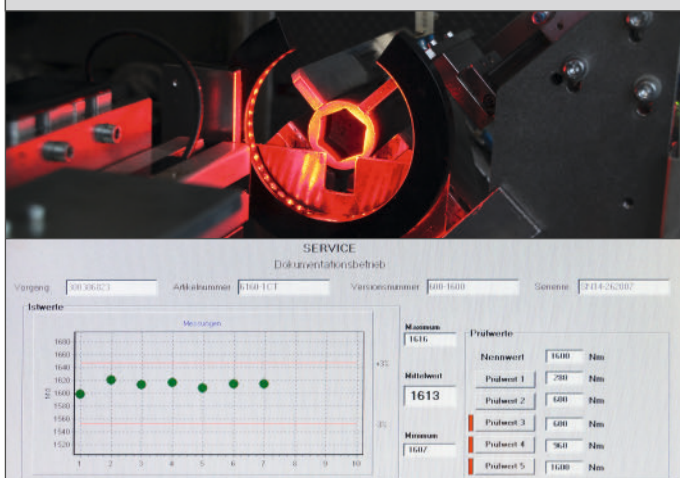
Prototyping –

for testing the first design drafts and functionalities



Maximum precision

and accuracy in all production processes



Service lifetime tests –

Alongside high loads, endurance tests are the focus of our quality assurance



Own DAkkS calibration laboratory

and HAZET calibration facility



Service centre –

the best after-sales service even long after purchase!



Service – Training – Competence and Quality

HAZET-Welt

Show and training centre on 600 m²



Trade shows and exhibitions

65 x per year in Germany and abroad for you on site.



20 demonstration vans in Germany and abroad

for directly assisting customers



Competent specialist advice

Problem solver on four wheels



Own DAkkS calibration laboratory

Accredited according to
DIN EN ISO/IEC 17025



Integrated management system

for quality, environment and energy in
accordance with DIN EN ISO 9001,
DIN EN ISO 14001 and DIN EN ISO 50001

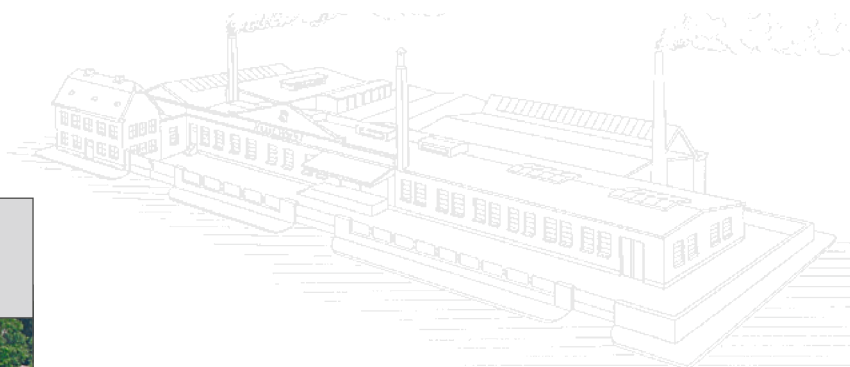


Short company profile



- HAZET was established in 1868 by Hermann Zerver.
- The brand name "HAZET" has its roots in the initials of its founder, where the "H" (HA in German) stands for Hermann and the "Z" (ZET in German) for Zerver.
- HAZET is now a fifth generation family business.

Production locations



Plant 1 · Remscheid

Blanking, production and administration



Plant 2 · Heinsberg

Logistics centre and production, for example, of reversible ratchets and sockets



Plant 3 · Remscheid

Sheet metal forming, powder system and production of tool trolleys *Assistent*



Plant 4 · Remscheid

Torque Technology





2017 New Products and Specials

**Tool trolley *Assistant*
178 N**



178 N-7

**Tool trolley *Assistant*
178 N**



178 N-10

**Tool chest
178 N**



178 N K-3

**Service trolley
167**



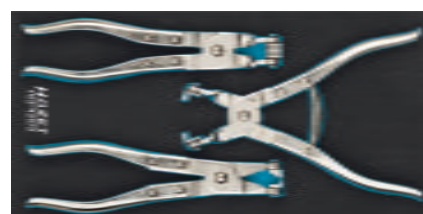
167-3

**Socket set
900 LG • 1/2 • 3/4 • 1" • 1 1/2"**



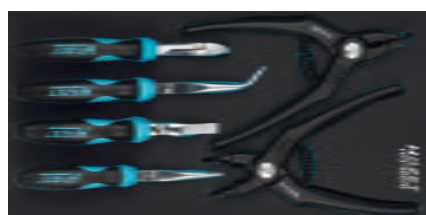
163-459/15

**Hose clamp pliers set
163**



163-425/3

**Pliers set
163**



163-465/8

**File set
163**



163-426/4

**Hammer set
163**



163-464/3

2017 New Products and Specials

Combination wrench, extra long
600 LG



130



600 Lg/12

Universal joint socket (12-point)
880 GZ • 10 3/8 • 15



161



880 G-Z 16
880 G-Z 18

Impact socket set
900 SK • 12 1/2 • 15



180



900 SK/4

Impact socket (special profile)
905 SLG • 12 1/2



182



905 S Lg-21

Screwdriver set
810 • 6



205



810/6

Screwdriver set
810 • 6



205



810 T/6

Drift pin set, long
751 HS



239



751 L HS/5

Thread roll set
843



256



843-1/8 843-3/9
843-2/9 843-4/9

VDE torque wrench
5100 VDE • 10 3/8



269



5108 VDE
5109 VDE

2017 New Products and Specials

Impact screwdriver
9010 • 6.3 ¼



318



9010 T

Impact screwdriver for bits
9010 • 6.3 ¼



318



9010 TB

Impact wrench
9011 • 10 ⅝ • 461 Nm



318



9011 M

Impact wrench
9012 • 12 ⅝ ½ • 1400 Nm



320



9012 MT

Angle drill
9030



324



9030 N-5

Die grinder, angled
9032



325



9032 P-5

Right-angle grinder
9033



328



9033 N-7

Rotary joint
9000-041



334



9000-041

Silicone protective cover
9012 MS



335



9012 M-S

2017 New Products and Specials

Cordless impact wrench set
9212-3 • 12V ½"



337



9212-3

Headlamp
1979



343



1979 N-35

Ignition module puller
1849



379



1849-11

Pencil coil extractor
1849



379



1849-12

Fuel line pliers
4501



388



4501-2

Turbocharger socket (12-point)
2561 • 6.3 ¼" • ●



386



2561-10
615-S 10x12

Radiator adapter
4800



394



4800-24

Sensor assembly tool
for VDO REDI sensors
668



437



668-1

Oil filter chain wrench
2171 • 12V ½"



456



2171-8 Lg

2017 New Products and Specials

Turbocharger / manifold TORX® socket 2871 •    2871-E 12	Injection line wrench 4550 • 12 1/2 •    4550-21	Radiator adapter 4800    4800-25
TORX® slogging wrench with 2 striking faces 2872 • 20 3/4 •    2872-E 18 2872-E 24 2872 SZ-26 2872-E 20 2872 SZ-24	Commercial vehicle axle nut socket set DAF, RENAULT, Volvo 4937 • 25 1 •    4937-105/2	Commercial vehicle mounting bushing MAN, thread M100 x 1.5 4937    4937-100 4937-7582 4937-7578 4937-7588
Commercial vehicle axle nut socket set DAF, RENAULT, Volvo 4937 • 25 1 •    4937-85	Sensor assembly tool for VDO REDI sensors 668    668-2	SYSTEM cable release tool assortment 4670    4670-9/5





Tool Trolley <i>Assistent</i>	31
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Work Benches / Tool Cabinets	42
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Tool trolley /work bench accessories	47
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Tool trolley <i>Assistent</i> with assortment	51
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Work bench <i>Assistent</i> with assortment	54
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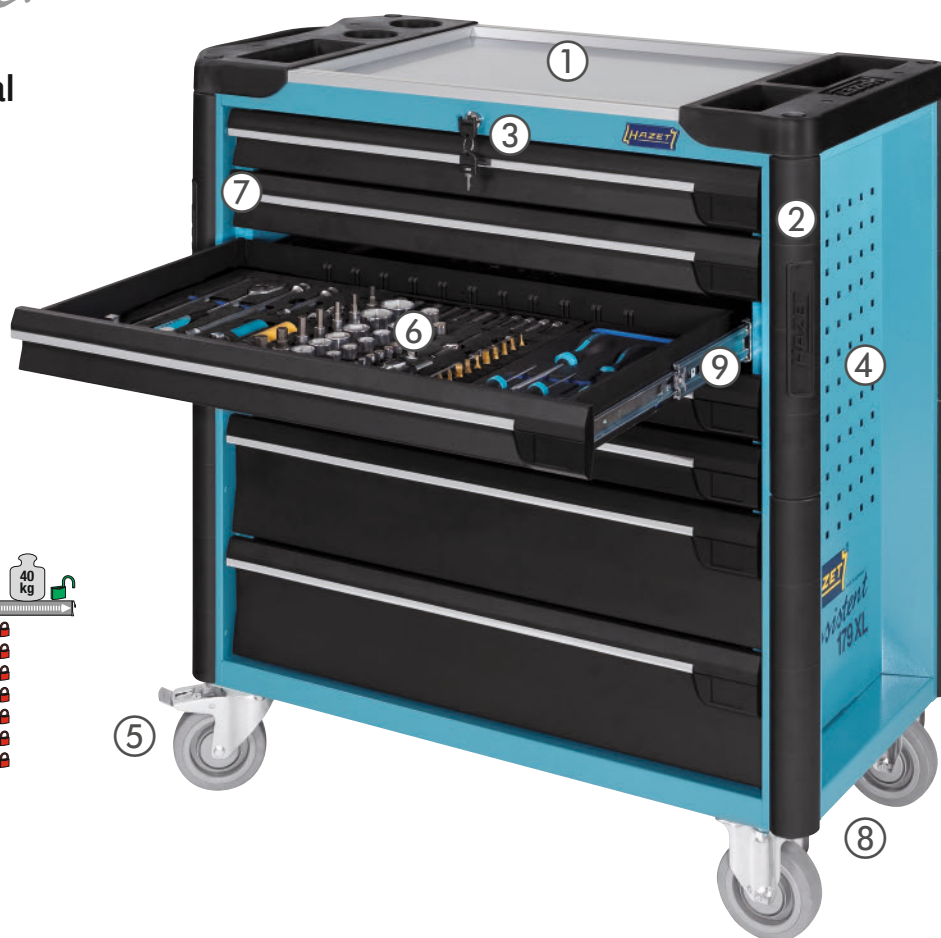
Tool case	78
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Tool Assortments	81
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Tool Modules	100
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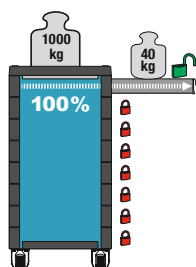
The *Assistant*[®] Innovative and functional



Loading capacity

Drawers with high loading capacity of 40 kg/drawer

Loading capacity (static): up to 1000 kg



① **Worktop** made from high-strength solvent-resistant plastic with integrated storage wells, including an integrated stainless steel tray

② All corners are protected by **rubber edge protection**

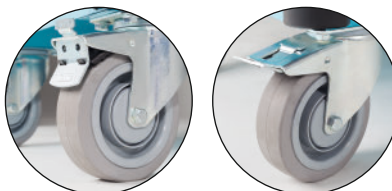
③ **Central locking**
Cylinder lock with 2 folding keys



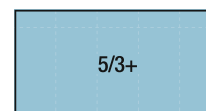
④ **Square perforation**
To easily fasten optional accessories



⑤ **2 swivel castors**
Ø 125 mm with brake to prevent unintended rolling away



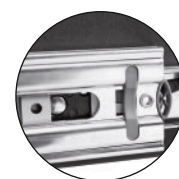
Drawer size for the plastic drawer insert: from 1/3 to 5/3+



⑦ **Mutual drawer locking**
For a minimal risk of overturning

⑧ **2 fixed castors**
Ø 125 mm

⑨ **100% sliding-out** thanks to **ball-bearing telescopic rails**



Exemplary presentation – for individual details and equipment variants, see respective product description

Made in Germany



General workshop equipment



Accessories

Tool trolleys and work benches



HAZET No.	Designation	Tool trolley <i>Assistant</i> type:												
		162 C 166 C	172 HD	177	177 W	178 N	179	179-10	179 BIG	179 XL	179 XXL	179 A XXL	179 T XXL	179 W
112/11	Tool holder set			×	×		×	×	×	×	×	×	×	×
161-1	Anti-slipping mat 348x523 mm			×	×									
161-3 D	Cable drum with holding device (10 m)			×	×	×	×	×	×	×	×	×	×	×
161-9	Window pane holder with rubber pads, swivelling 120 mm Ø	×	×				×							
161 T-347x120/5	5 separation sheets 120x347 mm			×	×									
161 T-347x60/5	5 separation sheets 60x347 mm			×	×									
162 C-5	Container for small parts	×												
162 C-6/5	5 separation sheets for intermediary tray	×												
170-3	Paper bin, fixing kit included													
170-4	Holder for paper reel (without paper reel)													
172-5/5	5 separation sheets		×											
173-23	Distance plate (wood) for machinist's vice 2175 N						×							
173-31/5	5 separation sheets 60x397 mm						×	×	×	×				×
173-32/5	5 separation sheets 120x397 mm						×	×	×	×				×
173-35	Can holder (for 3 cans)													
173-38	Anti-slipping mat 395x690 mm									×				
173-6	Can holder with variable partition													
177 W-21	Door for right side				×									
179-21	Door, lockable (right side on 179)						×							
179-25	Support for small parts, attachable, assortment of boxes included						×	×						
179-26	Vertical perforated tool board, assortment of hangers included						×	×						
179-28	Tool bin, to be hooked into side panel			×	×	×	×	×	×	×	×	×	×	×
179-35	Can holder (for 3 cans)			×	×	×	×	×	×	×	×	×	×	×
179 A XXL-20	Perforated tool board											×		
179 A XXL-50/3	Shelf, including 2 separation sheets											×		
179 BIG-21	Lateral door, lockable								×					
179 W-21	Door for right side													×
179 W-22	Additional drawer													×
179 W-23	Supplementary storage shelf													×
179 XL-21	Lateral door, lockable									×	×	×	×	
179 XL-25	Support for small parts									×				
179 XL-26	Vertical perforated tool board, assortment of hangers included									×				
179 T XXL-23	Shelf												×	
179 XXL-25	Support for small parts										×	×	×	
179 XXL-26	Vertical perforated tool board, assortment of hangers included										×	×	×	
180-21	Lateral door, lockable													
180-24	Document holder			×	×	×	×	×	×	×	×	×	×	×
180-27	Work tray, swivelling						×	×		×	×	×	×	
180-30/13	Set of drawer partitions													
180-33	Paper bin, fixing kit included			×		×	×	×	×	×	×	×	×	×
180-34	Holder for paper reel (without paper reel)			×		×	×	×	×	×	×	×	×	×
180-35	Can holder (for 4 cans)								×					×
180-38	Anti-slipping mat 394x529 mm						×	×	×					×
190-20-1	Cockpit-retaining plate (right), 178, 179						×			×	×	×	×	
190-20-2	Cockpit retaining plate, (rear), 178, 179						×							
2175 N	Machinist's vice		×	×			×							×

1) Wooden liner 2175 N-11 necessary

2) To be used in pairs

3) In conjunction with 173-23

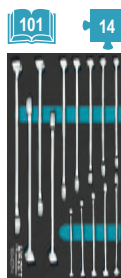


1/3
172x342 mm

1/3			
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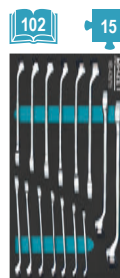
163-95/8



163-427/14



163-292/8



163-428/15



163-385/12



163-97/6



163-296/7



163-423/55



163-192/24



163-233/36



163-181/17



163-259/14



163-272/32



163-191/18



163-459/15



163-463/15



163-220/13



163-468/8



163-221/10



163-222/13



163-184/6



163-185/5



163-94/10



163-225/6



163-266/6



163-264/5



163-461/5



163-122/3



163-182/9



163-257/4



163-96/3



163-269/3



163-465/8



163-124/4



163-121/4



163-425/3



163-299/8



163-464/3



163-426/4



163-230/18



163-229/7



163-226/4



163-227/3



163-130 L

1/3+
172x392 mm

1/3+			
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163-377/11



163-379/38



163-376/54



163-380/4



163-378/11



163-382/3



163-375/5



General workshop equipment



2/3

344 x 342 mm

2/3			
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100

20



163-211/20

100

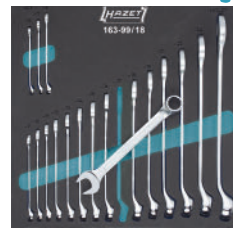
17



163-98/17

102

18



163-99/18

103

16



163-186/16

103

9



163-101/9

108

57



163-224/57

108

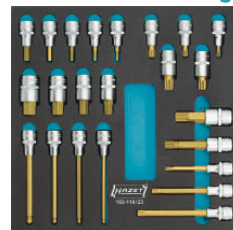
26



163-102/27

110

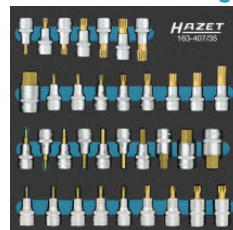
23



163-119/23

111

35



163-407/35

113

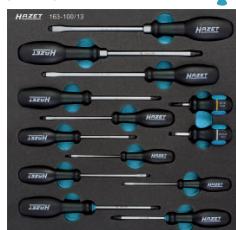
26



163-297/26

114

13



163-100/13

116

9



163-424/9

2/3+
344 x 392 mm

2/3+			
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117

9



163-381/9

1/9

172 x 114 mm

1/9			
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106

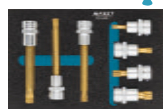
6



163-302/6

107

7



163-460/7

109

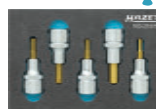
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163-270/9

109

5



163-215/5

109

12



163-245/12

110

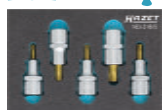
9



163-271/9

110

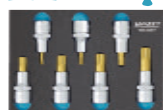
5



163-216/5

110

7



163-243/7

111

7



163-250/7

111

6



163-217/6

119

5



163-462/5

Filler inserts

522 x 50 mm

--	--	--	--

104



163-131/8

105

14



163-251/14

106

5



163-249/5

113



163-522 x 40 / 163-522 x 50

106

9



163-252/9

119



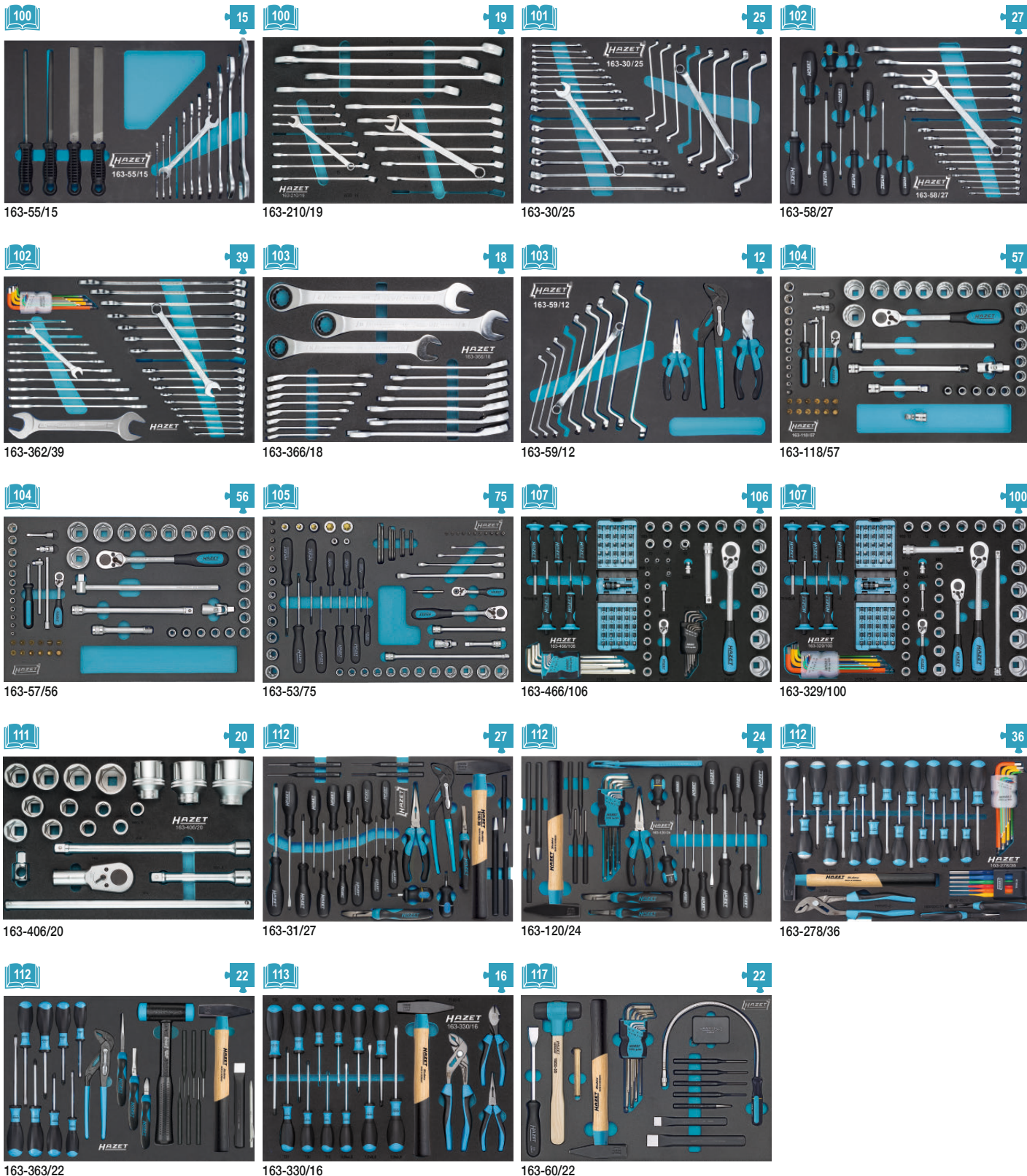
163-172 x 50



3/3

519x342 mm

3/3		
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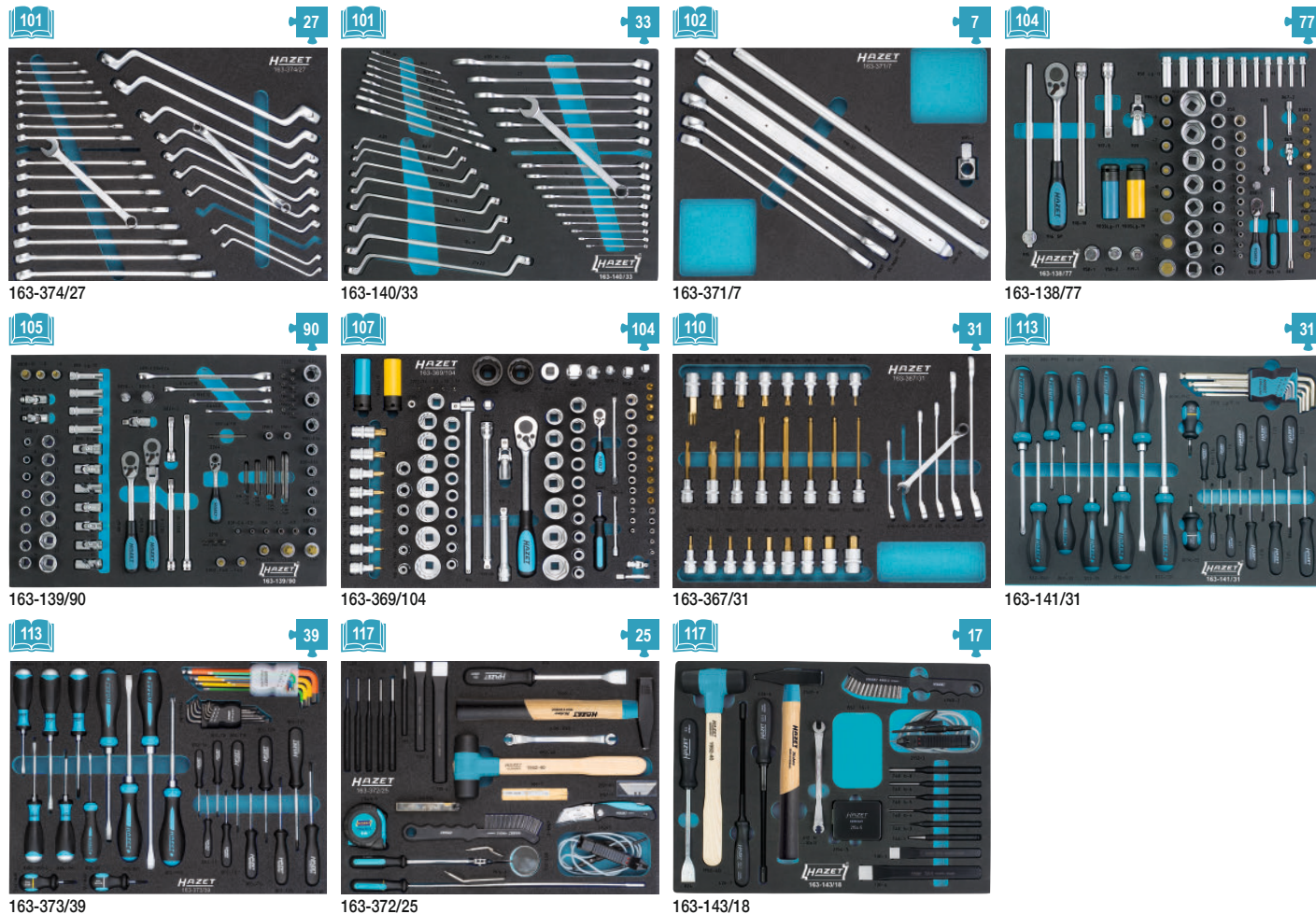
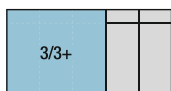


General workshop equipment



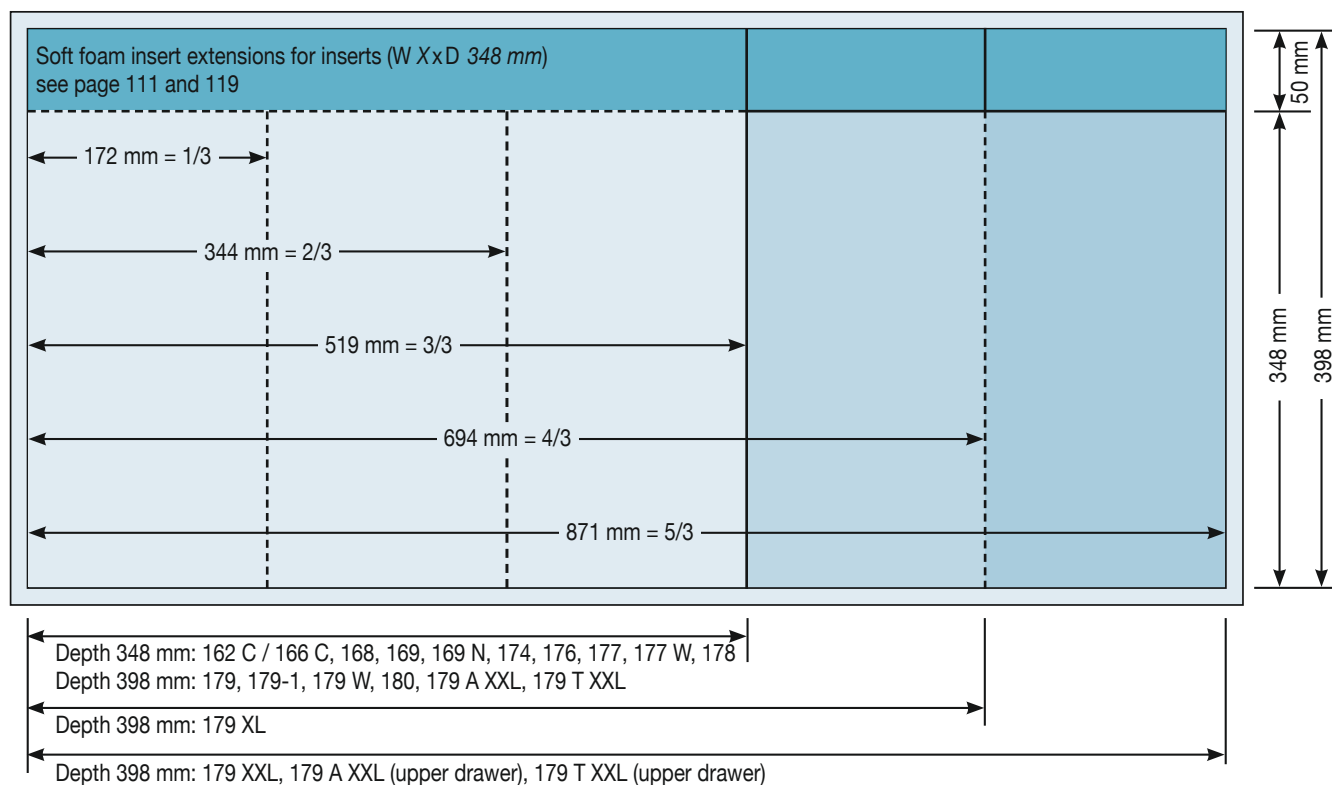
3/3+

519x392 mm



The modules

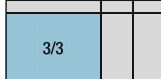
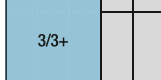
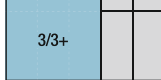
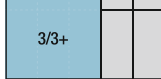
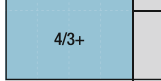
The right insert for every drawer





HAZET tool trolley

 **Made in Germany**

HAZET No.	Technical data					Design			
	H x W x D mm	Total load- ing capacity (static) kg	Loading capacity per drawer kg	Drawer sliding- out %	Module size	Impact protection	Work- top	Drawer lock	
177-6 -7 	915 x 779,5 x 496	300	20	100%			Plastic, solvent resistant	Central locking individual drawer locking per drawer	31
178 N-7 	1035 x 780 x 496	480	20	100			Plastic, solvent resistant	Central locking individual drawer locking per drawer	32
178 N K-3 	380 x 706 x 498	480	20	100%				Central locking individual drawer locking per drawer	32
179-1 	1040 x 817 x 502	75	20	100%		All corners are protected by rubber edge protection	Plastic, solvent resistant	Central locking individual drawer locking per drawer	33
179-6 ... -9 	1040 x 817 x 502	440	25	100%		All corners are protected by rubber edge protection	Plastic, solvent resistant	Central locking individual locking for each drawer mutual drawer locking	34
179-10 	1324 x 739 x 502	415	25	100%		All corners are protected by rubber edge protection	Stainless steel	Central locking individual locking for each drawer mutual drawer locking	35
179 XL-6 ... -8 	1025 x 980 x 503	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-close and soft-close central locking mutual drawer locking	36
179 XXL-6 ... -8 	1025 x 1154 x 503	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-close and soft-close central locking mutual drawer locking	37

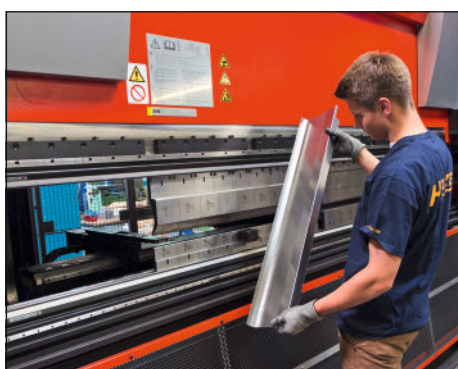
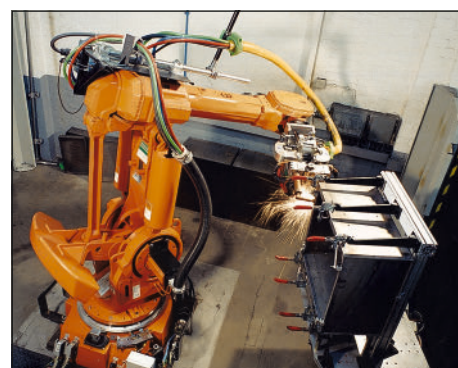


General workshop equipment



HAZET No.	Technical data					Design			
	H x W x D mm	Total load- ing capacity (static) kg	Loading capacity per drawer kg	Drawer sliding- out %	Module size	Impact protection	Work- top	Drawer lock	
179 T XXL-6 -7 	1025 x 1154 x 503	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-close and soft-close central locking mutual drawer locking	38
179 A XXL-7 	1030 x 1155 x 503	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-close and soft-close central locking mutual drawer locking	39
179 BIG-1 	1623 x 1107 x 557	650	25	100%		All corners are protected by rubber edge protection		Central locking individual locking for each drawer mutual drawer locking	40
160 ST 	950 x 590 x 345						PVC mat	Padlock	41
162 C / 166 C 	162 C 1099 x 725 x 398 166 C 1102 x 725 x 398	300				Plastic profile for shock protection	Wood multiplex beech	Padlock	41
166 N 	965 x 680 x 350	300				Plastic profile for shock protection	PVC mat	Padlock	41
167-3 	896 x 890 x 542								42
172 HD 	1020 x 850 x 510	900				Plastic profile for shock protection	PVC mat	Padlock	42
177 W-6 -7 	934 x 1040 x 520	750	20	100%			Wood multiplex beech	Central locking individual locking for each drawer mutual drawer locking	43
179 W-7 	965 x 1150 x 600	750	25	100%		All corners are protected by rubber edge protection	Wood multiplex beech	Central locking individual locking for each drawer mutual drawer locking	43

HAZET Toll Trolleys – Job well done – by HAZET!



Well developed and produced.



In Remscheid and Heinsberg.

 **Made in Germany**



General workshop equipment

Tool Trolley *Assistant*



Tool Trolley *Assistant*

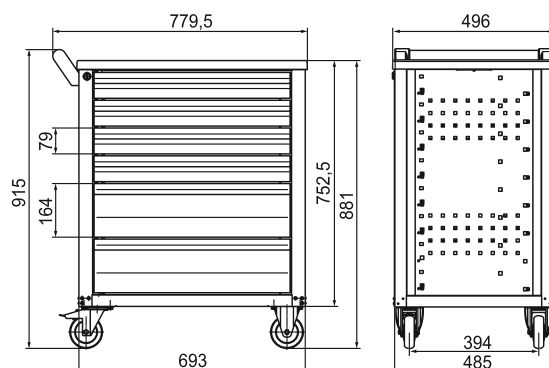
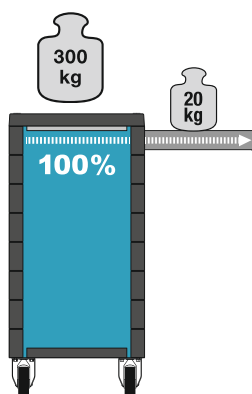
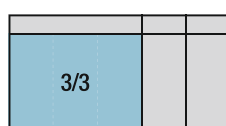
177 Tool trolley *Assistant*

Made in Germany

• Tool trolley

Assistant® (E)

- Large ball-bearing-mounted wheels (Ø 100 mm), easy manoeuvrability, even with high dynamic load
- With thread guard – protects the bearings against dirt and threads
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking, lockable with cylinder lock and 2 keys
 - Individual drawer locking prevents unwanted drawer opening
 - 100% sliding-out with roller guide
- Loading capacity (static): 300 kg
- Worktop: plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 20 kg



HAZET No.	H x W x D mm	80x527x348 mm	165x527x348 mm	7x	kg	EAN-No. 4000896+
• 4 flat and 2 high drawers 177-6	915x779.5x496	4x	2x	6x	62.8	148578
• 6 flat and 1 high drawer 177-7	915x779.5x496	6x	1x	7x	64.8	148592

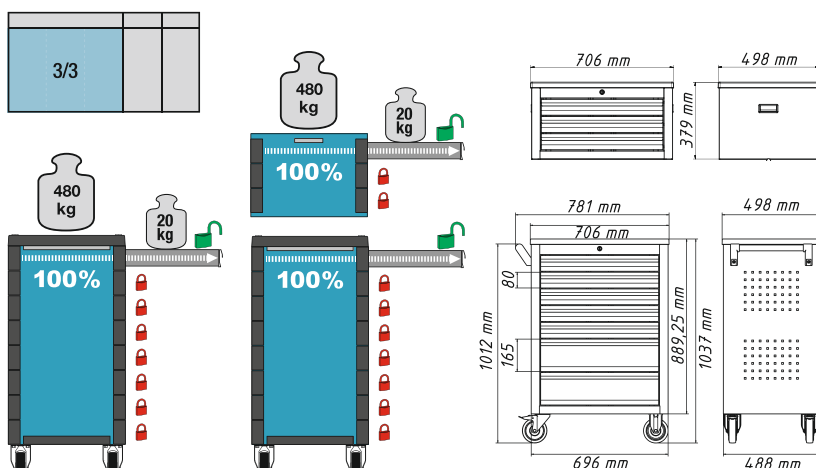


178 N Tool trolley *Assistant*

Made in Germany

• Tool trolley

- Large ball-bearing-mounted wheels (125 mm), easy manoeuvrability, even with high dynamic load
- With thread guard – protects the bearings against dirt and threads
- Grey non-marking elastic tyres enable smooth movement
- Two-stage locking concept:
 - Central locking, lockable with cylinder lock and 2 folding keys
 - Individual drawer locking prevents unwanted drawer opening
 - 100% sliding-out with ball-bearing drawer slides



HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm	kg	EAN-No. 4000896+
Tool trolley 178 N-7					
• 5 flat and 2 big drawers • Sturdy handle firmly attached to the trolley • Worktop: Plastic, resistant to solvents, with integrated storage wells • Worktop border strip prevents parts from falling down • Rectangular perforations on the side panels offer individual fastening options, e.g. for tool hooks of the HAZET 112 article group or other accessories like can holder, holder for paper reel, paper bin, etc.					
178 N-7	1035x780x498	5x	2x	74.1	202782
178 N-10 consisting of tool trolley 178 N-7, tool chest 178 N K-3					
Tool trolley 178 N-7:					
• 5 flat and 2 big drawers • Sturdy handle firmly attached to the trolley • Worktop: Plastic, resistant to solvents, with integrated storage wells • Worktop border strip prevents parts from falling down • Rectangular perforations on the side panels offer individual fastening options, e.g. for tool hooks of the HAZET 112 article group or other accessories like can holder, holder for paper reel, paper bin, etc.					
Tool chest 178 N K-3:					
• Suitable for tool trolley Assistant 178 N • 3 flat drawers • 2 sturdy handles firmly attached to the trolley • Optional: Worktop made from solvent-resistant plastic with integrated storage wells, HAZET No. 177-05					
178 N-10	1410x780x498	8x	2x	107.8	202805
Tool chest 178 N K-3					
• Suitable for tool trolley Assistant 178 N • 3 flat drawers • 2 sturdy handles firmly attached to the trolley • Optional: Worktop made from solvent-resistant plastic with integrated storage wells, HAZET No. 177-05					
178 N K-3	380x706x498	3x	–	–	202799



General workshop equipment

Tool Trolley *Assistant*



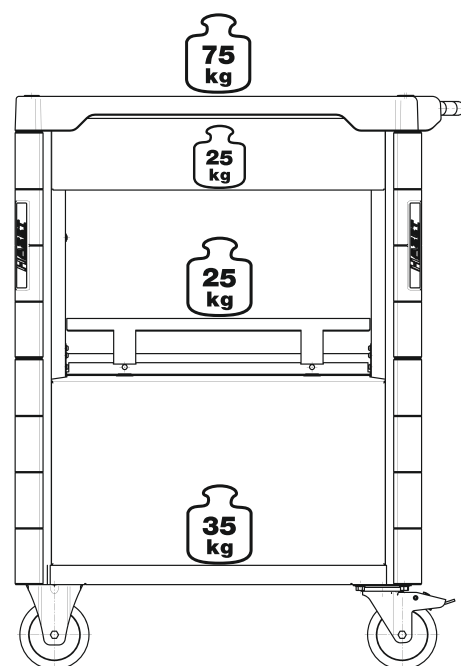
179 Tool trolley *Assistant*

Made in Germany

• Tool trolley
For surface finishing

Assistant [®] [®]

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Lockable with cylinder lock and 2 folding keys
- 100% sliding-out with ball-bearing-mounted telescopic rails
- Rubber edge protection protects all four corners of the vehicle
- Specially developed to accommodate tools, consumables and machines, e.g. for application in
 - paint shops
 - processing vehicles
 - Smart repair workshops
- **Equipment:**
 - 1 drawer in standard dimensions for HAZET Safety-Insert-System 3/3+, e.g. for tools, lockable
 - 1 shelf with ergonomic optimised tool access from both sides due to inclined bottom, ideal for the arrangement of consumables such as aerosols, cans etc.
 - 1 side, lockable, perfect for the storage of e.g. grinders and polishers
- **Optional accessories:**
 - e.g. lateral door 179-21 for further lockable storage capacity
 - Attachable support for small parts 179-25 incl. plastic bins for easy attachment in the cover lid – ideal for the storage of screws etc.
 - Paper bin 180-33 and holder for paper reel 180-34 for lateral fixation to the tool trolley
- Loading capacity (static): 75 kg
- Worktop: plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 25 kg
- Colour: HAZET-BLUE



HAZET No.	H x W x D mm	mm	kg	EAN-No. 4000896+
179-1	1040x817x502	80x527x398 mm 1x	78	165018

179 Tool trolley *Assistant*

🇩🇪 **Made in Germany**

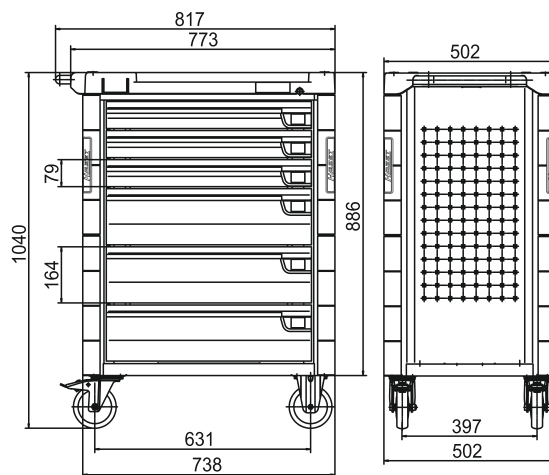
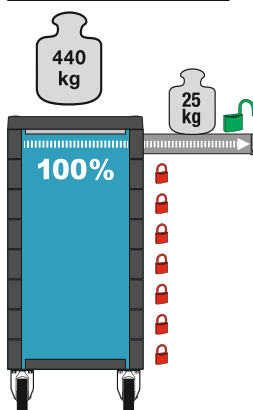
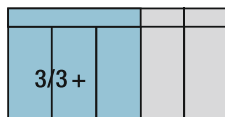
• **Tool trolley**

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- **Three-level locking concept:**
 - Central locking with cylinder lock and 2 folding keys
 - Individual drawer locking prevents unwanted drawer opening
 - Mutual drawer locking for a minimum tilting risk (if necessary, the locking system can easily be deactivated)
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- Rubber edge protection protects all four corners of the vehicle
- Loading capacity (static): 440 kg
- Worktop: plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 25 kg

Assistant [®] (E)



red dot design award
winner



HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm		kg	EAN-No. 4000896+
• 3 flat and 3 high drawers 179-6	1040x817x502	3x	3x	6x	88	141265
• 5 flat and 2 big drawers 179-7	1040x817x502	5x	2x	7x	90	140794
• 5 flat and 2 high drawers • Colour RAL 3020 (red) 179-7-RAL 3020	1040x817x502	5x	2x	7x	90	192267
• 5 flat and 2 high drawers • Colour RAL 9005 (matt black) 179-7-RAL 9005	1040x817x502	5x	2x	7x	90	192250
• 7 flat drawers and 1 high drawer 179-8	1040x817x502	7x	1x	8x	92	141272
• 9 flat drawers 179-9	1040x817x502	9x	–	9x	92	141289



General workshop equipment

Tool Trolley *Assistant*



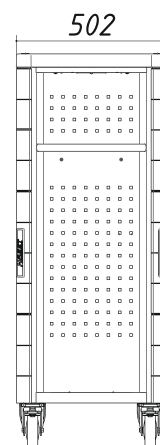
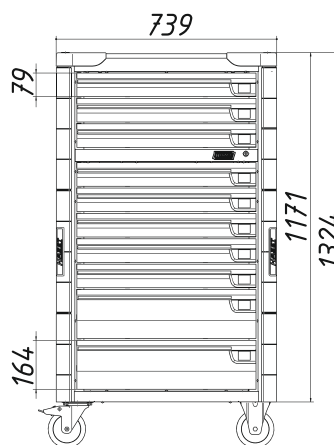
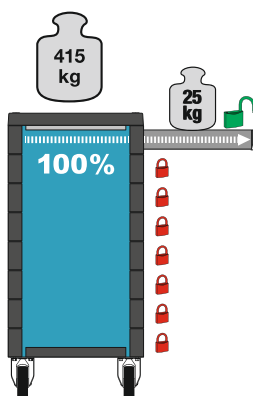
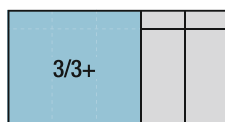
179 Tool trolley *Assistant*

🇩🇪 Made in Germany

• Tool trolley

Assistant® E

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- **Three-level locking concept:**
 - Central locking with cylinder lock and 2 folding keys
 - Individual drawer locking prevents unwanted drawer opening
 - Mutual drawer locking for a minimum tilting risk (if necessary, the locking system can easily be deactivated)
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- Rubber edge protection protects all four corners of the vehicle
- Loading capacity (static): 415 kg
- Worktop: Stainless steel, with integrated storage wells
- Loading capacity per drawer: 25 kg
- Colour: HAZET-BLUE



HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm	10x	kg	EAN-No. 4000896+
179-10	1324x739x502	8x	2x	10x	113	189526

179 XL Tool trolley *Assistant*

Made in Germany

• Tool trolley
40 kg loading capacity per drawer, self-closing telescopic rails with integrated soft-close

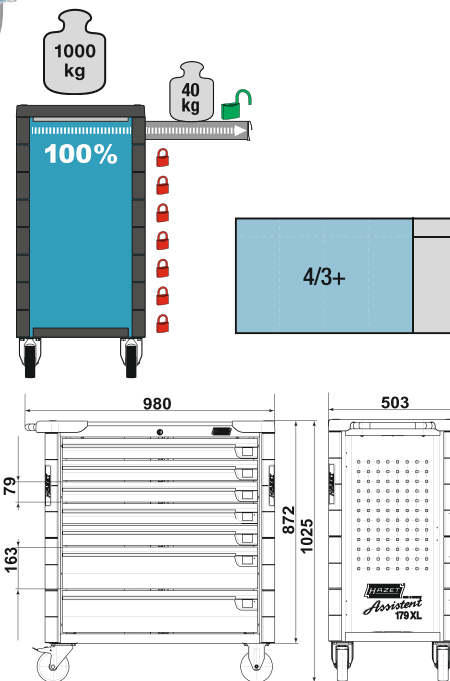
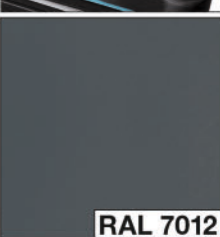
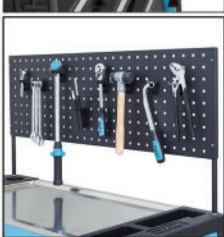
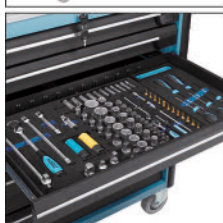
- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking with cylinder lock and 2 folding keys
 - Mutual drawer locking for minimum tilting risk
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- All corners are protected by rubber edge protection
- With 6, 7 or 8 drawers
- 40% larger drawer volume:
 - Drawer internal measurements w 694 mm x d 398 mm (4/3+)

Extensive range of accessories (optional):

- Lateral door 179 XL-21
- Support for small parts 179 XL-25
- Perforated tool board 179 XL-26
- Loading capacity (static): 1000 kg
- Loading capacity per drawer: 40 kg



360°



HAZET No.	H x W x D mm	80 x 694 x 398 mm	165 x 694 x 398 mm		kg	EAN-No. 4000896+
• 3 flat (80 mm) and 3 high (165 mm) drawers • 6 drawer separation sheets						
179 XL-6	1025x980x503	3x	3x	6x	95	177417
• 5 flat (80 mm) and 2 high (165 mm) drawers • 7 drawer separation sheets						
179 XL-7	1025x980x503	5x	2x	7x	101	177400
• 7 flat drawers (80 mm) and 1 high drawer (165 mm) • 8 drawer separation sheets						
179 XL-8	1025x980x503	7x	1x	8x	106.5	177424
• 7 flat drawers (80 mm) and 1 high drawer (165 mm) • 8 drawer separation sheets • Colour RAL 7012 (Basalt grey)						
179 XL-8-VW	1025x980x503	7x	1x	8x	106.5	191239



General workshop equipment

Tool Trolley *Assistant*



179 XXL Tool trolley *Assistant*

Made in Germany

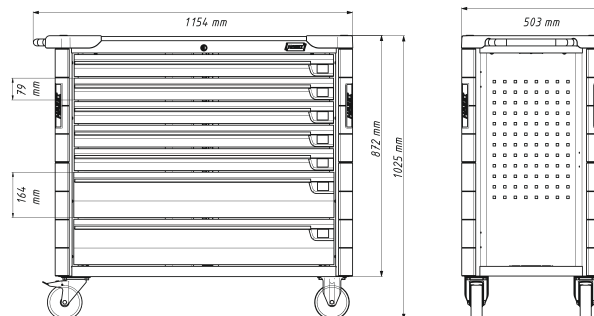
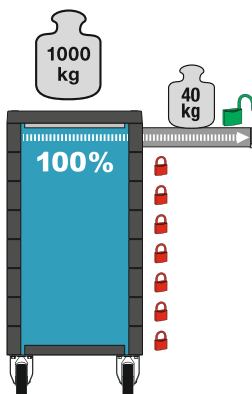
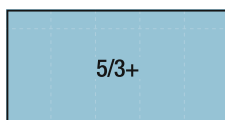
• Tool trolley
40 kg loading capacity per drawer, self-closing telescopic rails with integrated soft-close

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking with cylinder lock and 2 folding keys
 - Mutual drawer locking for minimum tilting risk
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- All corners are protected by rubber edge protection
- With 6, 7 or 8 drawers
- 80% larger drawer volume:
Drawer internal measurements w 871 mm x d 398 mm (5/3+)

Extensive range of accessories (optional):

- Lateral door 179 XL-21
- Support for small parts 179 XXL-25
- Perforated tool board 179 XXL-26
- Loading capacity (static): 1000 kg
- Worktop: stainless steel
- Loading capacity per drawer: 40 kg

Assistant® E



HAZET No.	H x W x D mm	80x871x398 mm	165x871x398 mm		kg	EAN-No. 4000896+
• 3 flat (80 mm) and 3 high (165 mm) drawers • 6 drawer separation sheets						
179 XXL-6	1025x1154x503	3x	3x	6x	121	180370
• 5 flat (80 mm) and 2 high (165 mm) drawers • 7 drawer separation sheets						
179 XXL-7	1025x1154x503	5x	2x	7x	138.3	179879
• 7 flat drawers (80 mm) and 1 high drawer (165 mm) • 8 drawer separation sheets						
179 XXL-8	1025x1154x503	7x	1x	8x	141	180387

179 TXXL Tool trolley *Assistant*

Made in Germany

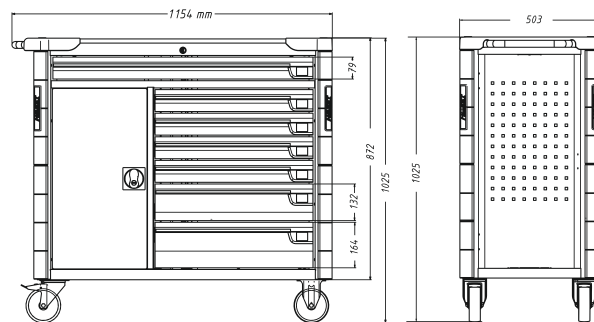
• **Tool trolley**
40 kg loading capacity per drawer, self-closing telescopic rails with integrated soft-close

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking with cylinder lock and 2 folding keys
 - Mutual drawer locking for minimum tilting risk
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- All corners are protected by rubber edge protection
- With 6 or 7 drawers and 1 front door, lockable with 2 folding keys

Extensive range of accessories (optional):

- Lateral door 179 XL-21
- Support for small parts 179 XXL-25
- Perforated tool board 179 XXL-26
- Tool bin 179-28
- Can holder for 3 cans 179-35
- Paper bin 180-33
- Holder for paper reel 180-34
- Loading capacity (static): 1000 kg
- Worktop: stainless steel
- Loading capacity per drawer: 40 kg

Assistant



HAZET No.	HxWxD mm					EAN-No. 4000896+
• 1 Large drawer w 871 mm x d 398 mm x h 80 mm (5/3+)						
• 2 Drawers w 527 mm x d 398 mm x h 80 mm (3/3+)						
• 1 Drawer w 527 mm x d 398 mm x h 135 mm (3/3+)						
• 2 Drawers w 527 mm x d 398 mm x h 160 mm (3/3+)						
• 6 drawer separation sheets						
179 T XXL-6	1025x1154x503	2x	2x	6x	118 kg	180738
• 1 big drawer w 871 mm x d 398 mm x h 80 mm (5/3+)						
• 4 Drawers w 527 mm x d 398 mm x h 80 mm (3/3+)						
• 1 Drawer w 527 mm x d 398 mm x h 135 mm (3/3+)						
• 1 Drawers w 527 mm x d 398 mm x h 165 mm (3/3+)						
• 7 drawer separation sheets						
179 T XXL-7	1025x1154x503	4x	1x	7x	121 kg	180745



General workshop equipment

Tool Trolley *Assistant*



179 AXXL Tool trolley *Assistant*

Made in Germany

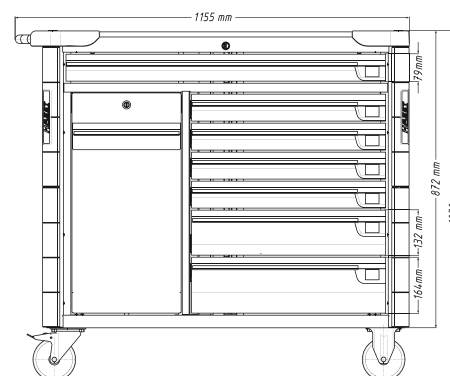
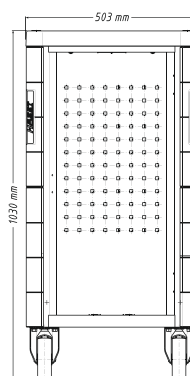
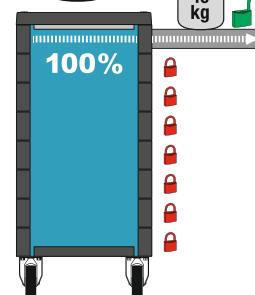
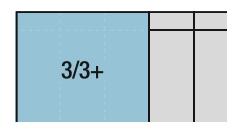
• **Tool trolley**
40 kg loading capacity per drawer, self-closing telescopic rails with integrated soft-close

- Large wheels with high loading capacity ($\varnothing$ 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking with cylinder lock and 2 folding keys
 - Mutual drawer locking for minimum tilting risk
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- All corners are protected by rubber edge protection
- With 7 drawers:
 - 1 high drawer (whole width 5/3+)
 - 6 or 7 drawers (3/3+)
 - 1 pull-out ladder-unit incl. a lower shelf to store small items

Extensive range of accessories (optional):

- Lateral door 179 XL-21
- Support for small parts 179 XXL-25
- Perforated tool board 179 XXL-26
- Insertable perforated tool board 179 A XXL-20 (alternative to pull-out)
- Shelf 179 A XXL-50/3
- Loading capacity (static): 1000 kg
- Worktop: stainless steel
- Loading capacity per drawer: 40 kg

Assistant [®] ^E



HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm		kg	EAN-No. 4000896+
• 1 Large drawer w 871 mm x d 398 mm x h 80 mm (5/3+)						
4 Drawers w 527 mm x d 398 mm x h 80 mm (3/3+)						
1 Drawer w 527 mm x d 398 mm x h 135 mm (3/3+)						
1 Drawer w 527 mm x d 398 mm x h 165 mm (3/3+)						
• 7 drawer separation sheets						
179 A XXL-7	1030x1155x503	4x	2x	4x	134	186280

179 BIG Tool trolley *Assistant*

🇩🇪 **Made in Germany**

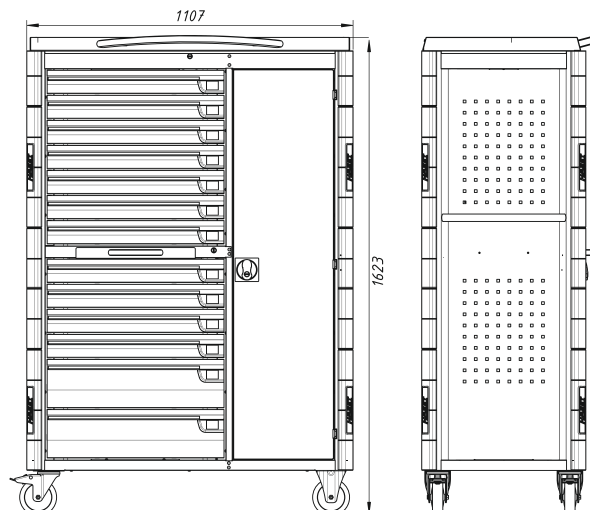
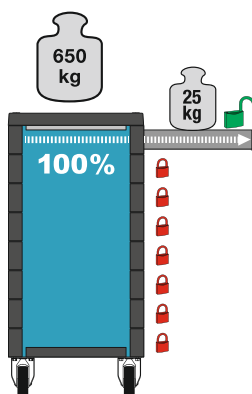
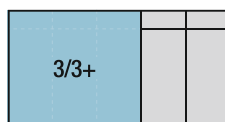
• **Tool trolley**
The TOP Assistant!

Assistant [®] [Ⓔ]

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- **Three-level locking concept:**
 - Central locking with cylinder lock and 2 folding keys
 - Individual drawer locking prevents unwanted drawer opening
 - Mutual drawer locking for a minimum tilting risk (if necessary, the locking system can easily be deactivated)
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- Rubber edge protection protects all four corners of the vehicle
- With 13 drawers and 1 separation sheet each, of which 11 are flat drawers and 2 are high drawers
- Hinged lid offering plenty of storage space for additional tools
- Storage compartment with front door, lockable, 2 folding keys included
- All locks with simultaneous locking
- Pull-out shelf with handle in the front

Optional accessory

- 179 BIG-21 door for right side of the tool trolley, lockable, 2 folding keys included
- Loading capacity (static): 650 kg
- Loading capacity per drawer: 25 kg
- Colour: HAZET-BLUE



HAZET No.	H x W x D mm					EAN-No. 4000896+
179 BIG-1	1623x1107x557	11x	2x	13x	230.3	159321



General workshop equipment

Tool Trolley *Assistant*



160 ST Tool trolley *Assistant*

Made in Germany

• Tool trolley

Collapsible

- With 2 intermediary trays, spacious bottom container
- Table board and intermediary trays can be lowered
- Pillars can swing down to minimum height (435 mm) for space saving transport
- Worktop: PVC mat



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
160 ST	950x590x345	16.5	004201

166 N Tool trolley *Assistant*

Made in Germany

• Tool trolley

Assistant [®] (E)

The Original!

- Space saving
- Pillars can swing down to minimum height (500 mm) for space saving transport. Pillars that have been swung down can be used as a carrying handle
- Lockable with padlock (2 keys included)
- Wraparound rubber profiles protecting table board and intermediary containers from damage
- Table board with rubber mat, 2 intermediary containers (4 partition sheets included), spacious bottom container
- 4 rubber castors with thread guard and double ball bearings, of which 2 swivel castors with brake
- Loading capacity (static): 300 kg
- Worktop: PVC mat



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
166 N	965x680x350	24.5	004959

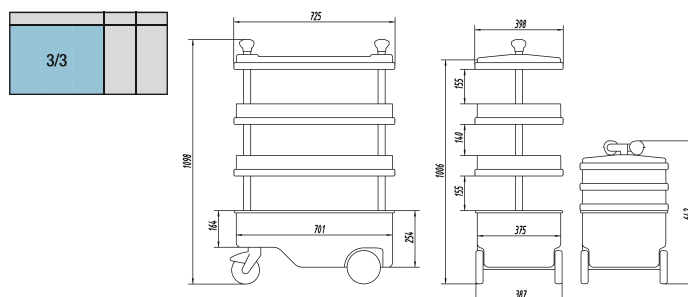
162 C Tool trolley *Assistant*

Made in Germany

• Tool trolley

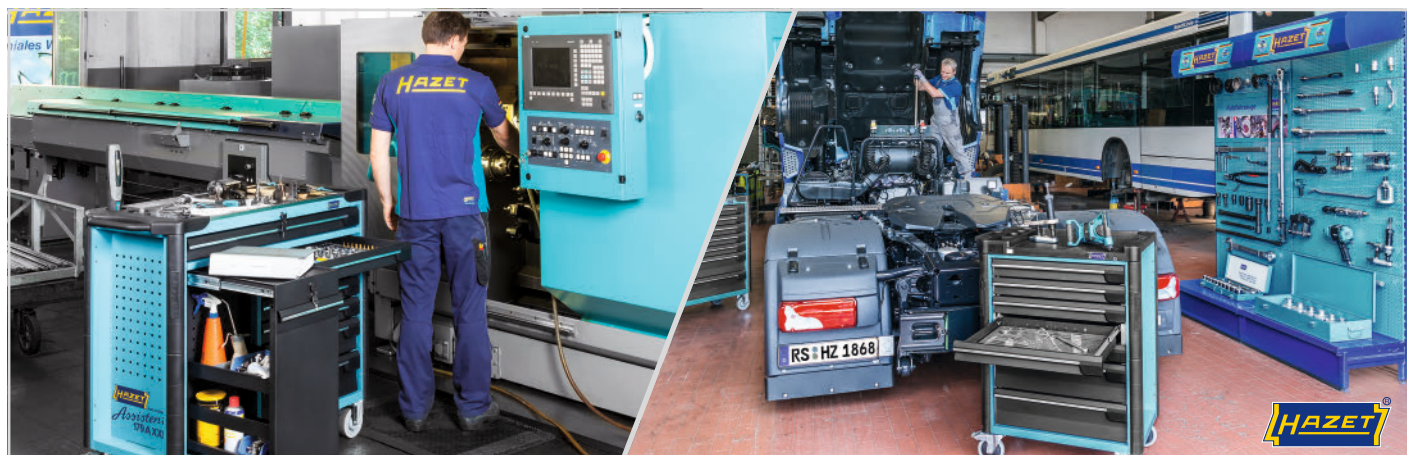
Assistant [®] (E)

- Intermediary containers suitable for HAZET plastic drawer inserts, 2 separation sheets included
- With additional sliding tray, to be integrated into the intermediary containers, e.g. for caliper gauges and small parts
- Spacious bottom container made of sheet steel
- Big castors to level out uneven ground surfaces
- Collapsible, lockable, padlock and 2 keys included
- Provided with wraparound protecting rubber strips
- Worktop: Wood multiplex beech, replaceable
- Colour: HAZET-BLUE



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
162 C	1099x725x398	25.6	072279
166 C	1102x725x398	27.6	072286

- With inflexible pillars
- Pillars can swing down to minimum height (647 mm) for space saving transport



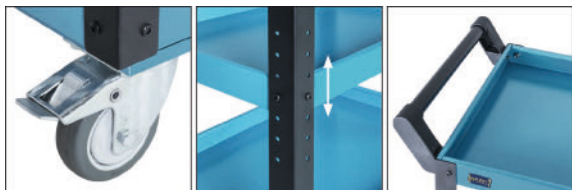
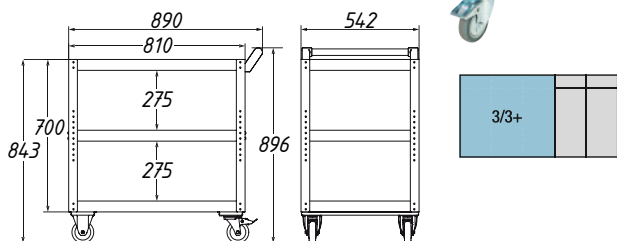


167 Service trolley

Made in Germany

• Flexible and stable for all purposes

- Adjustable in 7 height positions (middle layer) to make space for e.g. canisters
- More layers and anti-slipping mats are optionally available
- Robust sheet-steel construction, loading capacity per layer: 50 kg
- Large ball-bearing-mounted wheels ($\varnothing$ 100 mm), 2 swivel castors (1 x with dual brake), 2 fixed castors
- With thread guard – protects the bearings against dirt and threads
- Easy manoeuvrability, even with high dynamic load
- Grey non-marking elastic tyres enable smooth movement
- Sturdy handle, firmly attached to the trolley
- Suitable for HAZET Safety-Insert-System, 2-component soft foam insert
- Loading capacity per layer: 50 kg
- Colour: HAZET-BLUE



167 Service trolley



HAZET No.	H x W x D mm	EAN-No. 4000896+
167-3	896x890x542	205332

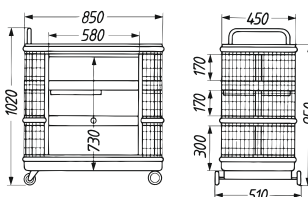
172 HD Tool trolley *Assistent*

Made in Germany

• Tool trolley

Assistent [®] ^E

- Extremely sturdy
- With shutter and wire mesh
- Lockable, padlock and 2 keys included
- 2 intermediary trays with 5 separation sheets each as well as 1 drawer for tool storage
- Loading capacity of drawer for small parts: up to 5 kg
- Especially suitable for commercial vehicles
- Loading capacity (static): 900 kg
- Worktop: PVC mat



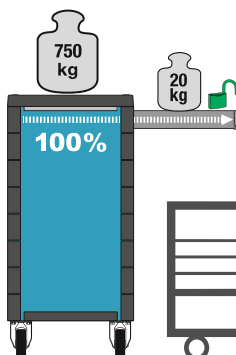
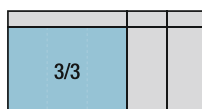
HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
172 HD	1020x850x510	50.4	005819

Work Benches / Tool Cabinets

177 W Mobile work bench

Made in Germany

- Large ball-bearing-mounted wheels ($\varnothing$ 125 mm), easy manoeuvrability, even with high dynamic load
- With thread guard – protects the bearings against dirt and threads
- Grey non-marking elastic tyres enable smooth movement
- Two-level locking concept:
 - Central locking, lockable with cylinder lock and 2 keys
 - Individual drawer locking prevents unwanted drawer opening
 - 100% sliding-out with roller guide
- Two compartments in the side section:
 - Loading capacity top: 15 kg / bottom 35 kg
 - Boards adjustable
- Optional: 177 W-21: Door for right storage compartment, lockable, incl. 2 keys
- Loading capacity (static): 750 kg
- Worktop: Wood multiplex birch, replaceable
- Loading capacity per drawer: 20 kg



Assistent [®] ^E

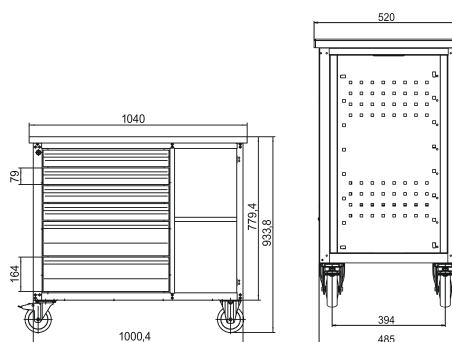


General workshop equipment

Work Benches / Tool Cabinets



177 W Mobile work bench



HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm		kg	EAN-No. 4000896+
• Design						
• With 6 drawers (4 flat and 2 big drawers as well as 2 compartments in the side section)						
177 W-6	934x1040x520	4x	2x	6x	85	154630
• With 7 drawers (6x flat and 1x high drawer as well as 2 compartments in the side section)						
177 W-7	934x1040x520	6x	1x	7x	85	155644

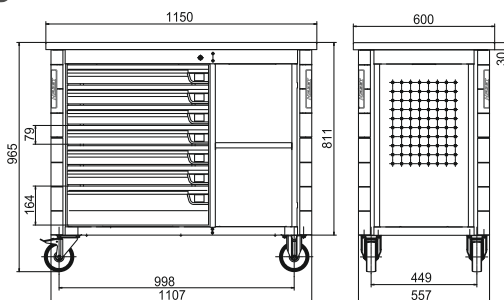
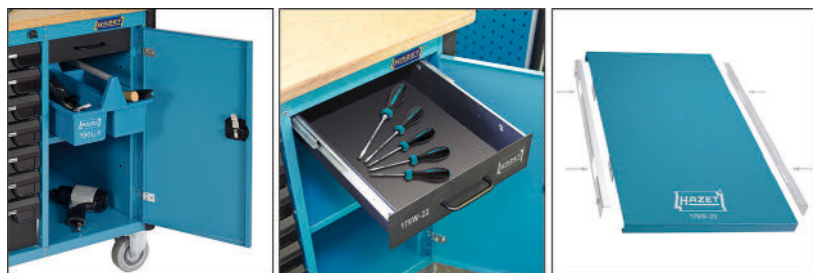
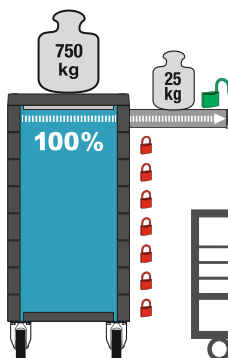
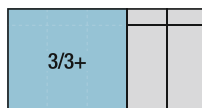
179 W Mobile work bench

Made in Germany

- Large wheels with high loading capacity (Ø 125 mm) with precision ball-bearing and dual rounded rim in the pivot bearing
easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- **Three-level locking concept:**
 - Central locking with cylinder lock and 2 folding keys
 - Individual drawer locking prevents unwanted drawer opening
 - Mutual drawer locking for a minimum tilting risk (if necessary, the locking system can easily be deactivated)
 - 100% sliding-out with ball-bearing-mounted telescopic rails
- Rubber edge protection protects all four corners of the vehicle
- Two compartments in the side section:
Loading capacity top: 15 kg / bottom 35 kg
Boards adjustable
- Optional: 179 W-21: Door for right storage compartment, lockable, incl. 2 folding keys
- Loading capacity (static): 750 kg
- Worktop: Wood multiplex birch, replaceable
- Loading capacity per drawer: 25 kg
- Colour: HAZET-BLUE



reddot design award winner



HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm		kg	EAN-No. 4000896+
• With 7 drawers (1x tall drawer and 6x shallow drawers each with 25 kg loading capacity) as well as 2 compartments in the side section (top: 15 kg / bottom 35 kg)						
179 W-7	965x1150x600	6x	1x	7x	130.1	145331



General workshop equipment

Work Benches / Tool Cabinets



0-111 Tool assortment

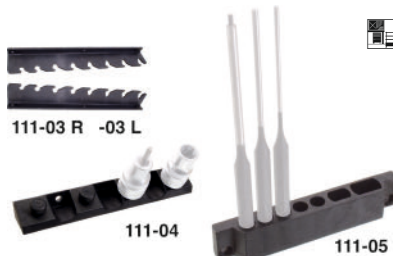
- 116-piece contents see assortment 111/116,
- Without cabinet



HAZET No.	kg		EAN-No. 4000896+
0-111/116	17	116	000098

111 Tool holder

Made in Germany



HAZET No.	EAN-No. 4000896+
• Hanger, for e.g. 630-6 x7 up to -20x22, to be used with 111-03 L 111-03 R	002849
• Hanger, to be used with 111-03 R 111-03 L	002832
• Hanger, for 4 $\frac{1}{2}$ sockets 111-04	002856
• Hanger, for e.g. chisels 730-3 up to -6, centre punch 746-1, drift pin 748 111-05	002863

111 Tool holder

Made in Germany



HAZET No.	EAN-No. 4000896+
• Hanger, for e.g. 279, 760 N, 2100/7 R etc. 111-06	002870
• Hanger, for e.g. combination wrenches 603 or hammers 2140 etc. 111-10	002917
• Hanger, for e.g. flexible handle 914 etc. 111-11	002924
• Hanger, for e.g. four-way rim wrenches 715 (use 4 pieces) or pry bars 2164 (use 2 pieces) 111-12	002931
• Hanger, for e.g. tape measures 111-15	002962

Made in Germany



HAZET No.	EAN-No. 4000896+
• Hanger, for e.g. double box-end wrenches 630-21 x23 to 30x32 • To be used in pairs 111-17	002986
• Tool hanger $\varnothing$ 6 mm, / 75 mm 111-21	003020
• Tool hanger 111-22	003037
• Tapping screw 111-28	003099





112 Tool holder

- Suitable for perforated panels with rectangular perforation
- For example, for side and rear panels of tool trolleys *Assistant* 176, 177, 178, 179, 179-10, 179 A XXL, 179 BIG, 179 T XXL, 179 XL, 179 XXL, 180, 180 K-4 as well as work benches 177 W and 179 W



HAZET No.		EAN-No. 4000896+
• Double hanger , 30 mm long, e.g. for tools with T-handle		
112-230	–	103898
• Double hanger , 60 mm long, e.g. for tools with T-handle		
112-260	–	103881
• Hanger , 25 mm long, e.g. for tools with hanging hole		
112-325	–	103874
• Hanger , 50 mm long, e.g. for tools with hanging hole		
112-350	–	103867
• Double hanger , wide, 40 mm long, e.g. for torque wrenches		
112-440	–	103850
• Double hanger , wide, 50 mm long, e.g. for torque wrenches		
112-450	–	103843
• Clip , Ø 12 mm, e.g. for reversible ratchet 863-1, 863 F, P, S as well as reversible ratchets for bits 863 B GL, BKC and BK		
112-612	–	103836
• Clip , Ø 18 mm, e.g. for reversible ratchets 8816-1, 8816 F, P or S as well as 916 K		
112-618	–	103720
• Clip , Ø 24 mm, e.g. for reversible ratchets 916-1, 916 F, SP, S		
112-624	–	103713
• Plastic cup , Ø 30 mm, 80 mm high, e.g. for pins, centre punches etc.		
112-830	–	103706
• Plastic cup , Ø 50 mm, 114 mm high, e.g. for marking tool 2150-1 or similar		
112-850	–	103690
• Tool holder set		
112-230 260 325 350 440 450 612 618 624 830 850		
112/11	11	104239

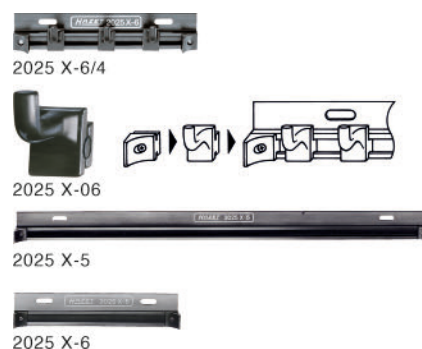
2025 X Tool holder

- **Universal clamping rails**
- Handy storage for any kind of tools
- Rail with 2 long holes allowing variable fixation even on perforated sheet metal displays
- Two flexible clamps embrace each tool without damaging it
- Flexible clamps made of oil resisting and antifreezing plastic, **flexible, durable**
- Rail made of anodized light metal



HAZET No.	l mm	EAN-No. 4000896+
20 clamping brackets		
2025 X	440	010301
6 clamping brackets		
2025 X-1	150	010424

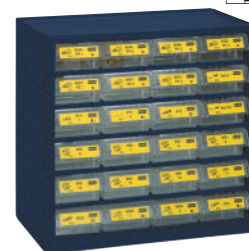
2025 X Tool hangers and guiding rails



HAZET No.	l mm		EAN-No. 4000896+
• Guiding rail, complete, with 3 tool hangers			
• 150 mm long			
• For wall mounting			
2025 X-6/4	–	4	058259
• Tool hanger , self-locking,			
• For variable insertion into guiding rails 2025 X-5 and 2025 X-6			
2025 X-06	–	–	010394
• Guiding rail for above tool hanger			
2025 X-5	440	–	010479
2025 X-6	150	–	010486

2026 Drawer stack

- For small parts
- 24 drawers, empty
- Plastic, colour RAL 5013
- 290 x 305 x 180



HAZET No.	EAN-No. 4000896+
• 10 sheets for transverse drawer partition	
2026-01/10	100934
2026-5 VS L	100927



General workshop equipment

Tool trolley /work bench accessories



Tool trolley /work bench accessories

161 T Drawer partition

• For *Assistant* 174, 177, 177 W, 178 as well as for 169 N, 170 and 176-1



HAZET No.		EAN-No. 4000896+
• Set of separation sheets consisting of 5 separation sheets 347 mm long, 60 mm high		
161 T-347 x 60/5	5	120758
• Set of separation sheets consisting of 5 separation sheets 347 mm long, 120 mm high		
161 T-347 x 120/5	5	120765

173 Anti-slipping mat



HAZET No.		EAN-No. 4000896+
• Anti-slipping mat		
• 694 x 395 mm suitable for <i>Assistant</i> 173 and 179 XL		
173-38		089789
• Anti-slipping mat		
• 529 x 394 mm suitable for <i>Assistant</i> 179, 179-10, 179 W, 179 BIG-1, 180 and 180 K-4		
180-38		120819
• Anti-slipping mat		
• 348 x 523 mm suitable for <i>Assistant</i> 168, 169 N, 174, 176, 177, 177 W and 178		
161-1		058884

161 Cable drum

• Made in Germany

Assistant



HAZET No.		EAN-No. 4000896+
• Cable drum		
• For <i>Assistant</i> 173, 174, 176, 177, 177 W, 178, 179, 179-10, 179 A XXL, 179 BIG-1, 179 T XXL, 179 XL, 179 W and 180 as well as 169 N model years 2004→		
• With holding device, 10 m cable included		
161-3 D		048878

161 Window pane holder

• Made in Germany

- Window pane holder with hinge and swivelling suction cups 120 mm Ø,
- For *Assistant* 162 C, 162 N, 166 C, 166 N, 171, 172 HD, 176, 178, 179, 180 and 180 K-4
- please use in pairs



HAZET No.	EAN-No. 4000896+
161-9	004867

Tool trolley accessories

HAZET No.		EAN-No. 4000896+
• Container for small parts		
• For <i>Assistant</i> 162 C and 166 C		
162 C-5	–	078189
• Separation sheet for intermediary tray		
• For <i>Assistant</i> 162 C and 166 C		
162 C-6	–	079810
• Set of separation sheets consisting of 5 separation sheets		
• For <i>Assistant</i> 162 C and 166 C		
162 C-6/5	–	120772



- Paper bin
- For *Assistant* 169 N, 170, 173, 174 (since 6/2002), 176
- Including fixing kit

170-3	–	060054
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- Holder for paper reel (without paper reel)
- For *Assistant* 169 N, 170, 173, 174 (since 6/2002), 176
- Including fixing kit
- For paper reels with a Ø up to 350 mm and 280 mm wide

170-4	–	060061
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Tool trolley accessories

HAZET No.  EAN-No. 4000896+



- Set of separation sheets consisting of 5 separation sheets for *Assistant* 172 HD

172-5/5 5 120789



- Tool bin
- With variable subdivision and three separation sheets
- For *Assistant* 169 N since 6/2002, 173, 174, 176-1
- H 131 x W 320 x D 120 mm

173-6 – 099276



- 5 separation sheets (H 60 x L 397 mm) for shallow drawer on *Assistant* 173, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180, 180 K-4

173-31/5 5 090150



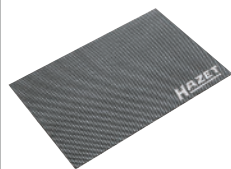
- 5 separation sheets (H 120 x L 397 mm) for high drawer on *Assistant* 173, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180

173-32/5 5 120796



- Can holder e.g. for 3 aerosols
- For *Assistant* 173, 174, 176-1 and 169 N since 06/2002
- Including fixing kit

173-35 – 090235



- Anti-slipping mat
- 694 x 395 mm suitable for *Assistant* 173 and 179 XL

173-38 – 089789



- Door for right side of work bench 177 W, lockable

177 W-21 – 154739

Tool trolley accessories

HAZET No.  EAN-No. 4000896+



- Door, lockable, 2 keys included, for right side panel on *Assistant* 179
- 80 mm clear depth, approx. 785 mm usable height

179-21 – 146246



- Support for small parts
- Attachable to *Assistant* 178, 179 and 179-10
- Magazine for screws and other small parts included

179-25 – 164899



- Vertical perforated tool board
- Attachable to *Assistant* 178, 179 and 179-10
- For the fixation of additional tools
- Assortment of 8 hangers included: 112-260 325 350 450 612 618 624 830

179-26 – 164967



- Tool bin, to be hooked into side panel
- For *Assistant* 177, 177 W, 178, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180, 180 K-4

179-28 – 141234



- Can holder for 3 cans
- For *Assistant* 177, 177 W, 178, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180, 180 K-4 as well as inside the door 179-21

179-35 – 141074



General workshop equipment

Tool trolley /work bench accessories



Tool trolley accessories

HAZET
No.



EAN-No.
4000896+

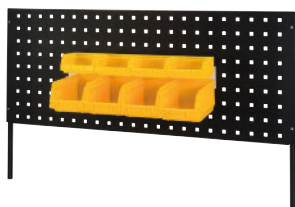


- **Lateral door, lockable**, approx. 80 mm clear depth, approx. 770 mm usable height
- For right side panel on *Assistant* 179 XL, 179 XXL, 179 A XXL, 179 T XXL
- Including 2 keys

179 XL-21

—

177547

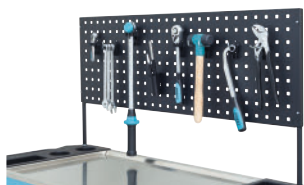


- **Support for small parts**
- Attachable to *Assistant* 179 XL
- Magazine for screws and other small parts included

179 XL-25

—

181810

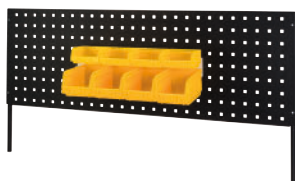


- **Vertical perforated tool board** attachable to *Assistant* 179 XL
- For the fixation of additional tools
- Including assortment of tool holders

179 XL-26

—

178117

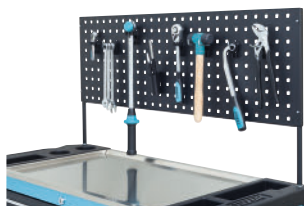


- **Support for small parts**
- Attachable to *Assistant* 179 XXL, 179 A XXL and 179 T XXL
- Magazine for screws and other small parts included

179 XXL-25

—

181827



- **Vertical perforated tool board** attachable to *Assistant* 179 XXL, 179 A XXL and 179 T XXL
- For the fixation of additional tools
- Including assortment of tool holders

179 XXL-26

—

180172

Tool trolley accessories

HAZET
No.



EAN-No.
4000896+



- **Perforated tool board** for use in pull-out larder unit
- For *Assistant* 179 A XXL-7 (shelf omitted)

179 A XXL-20

—

187010

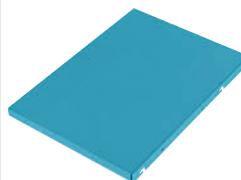


- **Shelf** with 2 separation sheets for pull-out larder-unit
- For *Assistant* 179 A XXL-7

179 A XXL-50/3

—

187157

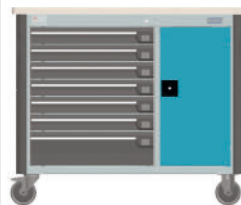


- **Shelf** for *Assistant* 179 T XXL

179 T XXL-23

—

181391



- **Door** for right side of work bench 179 W, lockable, 2 keys included

179 W-21

—

145485



- **Additional drawer** for work bench 179 W.
- Suitable for the right storage compartment.
- Internal dimensions: H 79 x B 284 x T 398 mm

179 W-22

—

146567



Tool trolley accessories

HAZET
No.

EAN-No.
4000896+



- **Supplementary storage shelf** for work bench 179 W
- Suitable for the right storage compartment on the front
- Loading capacity 15 kg

179 W-23 – 150311



- **Lateral door, lockable**
- For *Assistant* 179 BIG-1
- Including 2 keys

179 BIG-21 – 159901



- **Document holder** for working papers
- For *Assistant* 177, 177 W, 178, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180, 180 K-4

180-24 – 110827



- **Paper bin**
- Fixing kit included
- To be hooked into the square perforation, no additional adapter necessary
- For *Assistant* 177, 178, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180

180-33 – 120833

Tool trolley accessories

HAZET
No.

EAN-No.
4000896+



- **Holder for paper reel**
- Fixing kit included (without paper reel)
- For *Assistant* 177, 178, 179, 179-10, 179 BIG, 179 XL, 179 XXL, 179 A XXL, 179 T XXL, 179 W, 180, 180 K-4
- For paper reels with a $\varnothing$ up to 350 mm and 280 mm wide

180-34 – 120840



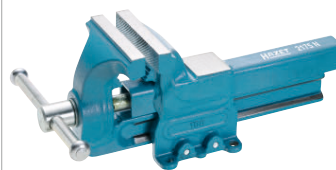
- **Can holder**
- For 4 cans
- Fixing kit for *Assistant* 179 BIG-1, 179 W and 180 included
- To be hooked into the square perforation, no additional adapter necessary

180-35 – 120826



- **Anti-slipping mat**
- 529x394 mm suitable for *Assistant* 179, 179-10, 179 W, 179 BIG-1, 180 and 180 K-4

180-38 – 120819



- **Machinist's vice**
- Drop forged
- Gripping jaw width: 100 mm

2175 N – 013685



- **Distance plate** (wooden) for machinist's vice 2175 N
- For fixing the vice on work benches or tool trolleys
- *Assistant* 172 HD, 177, 180, 180 K-4
- Including assembly accessories

2175 N-11 – 013692



- **Distance plate** (wooden) for machinist's vice 2175 N
- For mounting on *Assistant* 173-1, 176-1, 178, 179
- Including fixing kit

173-23 – 090228



General workshop equipment

Tool trolley *Assistant*® with assortment

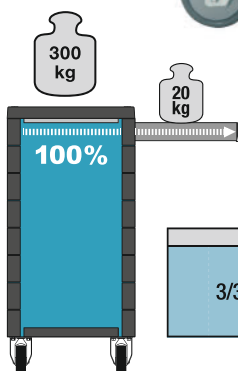


Tool trolley *Assistant*® with assortment

177 Tool trolley *Assistant*® with assortment

• Tool trolley

- 4 flat and 2 high drawers
- Good workshop basic equipment with the most important tools
- Especially suitable as introductory equipment, e.g. for trainees



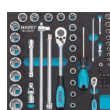
177-6



163-95/8 • 8



450 N • 8
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-224/57 • 1/2, 3/4, 1"



810 SPC-6.3 • 1/4"



850 • 1/4" • 1/2"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P • 3/4"



867-2 • 1/4" • 3/4"



868 • 1/4" • 3/4"



869 • 1/4" • 3/4"



900 • 1/2" • 3/4"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32



915 • 1/2"



916 SP • 1/2"



917-5 • 1/2" • 3/4"



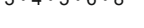
918-10 • 1/2" • 3/4"



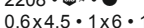
920 • 1/2" • 3/4"



2204 • 1/4" • 3/4"



2208 • 1/4" • 3/4"



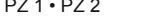
2215 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2223 • 1/4" • 3/4"
T 15 • T 20 • T 25 • T 30



2250-1 • 1/4" • 3/4"



2304 • 1/4" • 3/4"



163-265/6 • 1/4" • 3/4"



810/6 • 1/4" • 3/4"



163-266/6 • 1/4" • 3/4"



810/6 • 1/4" • 3/4"



810/6 • 1/4" • 3/4"



810/6 • 1/4" • 3/4"



810/6 • 1/4" • 3/4"



810 T/6 • 1/4"



163-292/8 • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



600 N • 1/4"



2208 • 1/4" • 3/4"
0.6x4.5 • 1x6 • 1.2x6.5



2215 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2216 • 1/4" • 3/4"



2223 • 1/4" • 3/4"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 1/4" • 3/4"



2223 • 1/4" • 3/4"



2223 • 1/4" • 3/4"



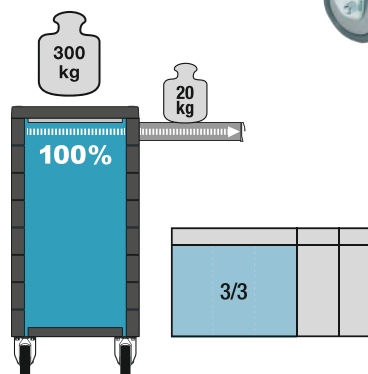
2223 • 1/4" • 3/4"

HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm	6x	kg	121	EAN-No. 4000896+
177-6/121	915x779.5x496	4x	2x	6x	62.8	121	186877

177 Tool trolley *Assistant* with assortment

• Tool trolley

- 4 flat and 2 high drawers
- Good workshop basic equipment with the most important tools
- Especially suitable as introductory equipment, e.g. for trainees
- Single tools cardboard packed



177-6



600 SPC/10 • 10



600 N • 10
8 • 10 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



810/6 • 6 • 10



810 T/6 • 6



953 SPC • 10 1/2



850 • 10 1/4 • 10
5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 ST • 10 1/4



866 U • 10 1/4



867-4 • 10 1/4 • 10 1/4



900 • 10 1/2 • 10
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27



916 ST • 10 1/2



917-5 • 10 1/2 • 10 1/2



918-10 • 10 1/2 • 10 1/2



2204 • 10 • 10
2 • 3 • 4 • 5 • 6



2208 • 10 • 10
0.5x4 • 0.6x4.5 • 0.8x5.5



2215 • 10 • 10
PH 1 • PH 2



2216 • 10 • 10
PZ 1 • PZ 2



2223 • 10 • 10
T 10 • T 15 • T 20
T 25 • T 30



2250-1 • 10 1/4 • 10 1/4



1859 SPC/3



2240 N/51
10 • 15 • 20 • 25 • 30 • 40



2204 • 10 • 10
2 • 3 • 4 • 5 • 6



2208 • 10 • 10
0.5x4 • 0.6x4.5 • 0.8x5.5



2215 • 10 • 10
PH 1 • PH 2



2216 • 10 • 10
PZ 1 • PZ 2



2223 • 10 • 10
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 10 • 10
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H



2239-6 • 10 • 10

HAZET No.	H x W x D mm						EAN-No. 4000896+
177-6/124	915x779.5x496	4x	2x	6x	62.8	124	191109



General workshop equipment

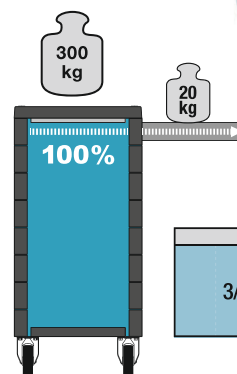
Tool trolley *Assistant*® with assortment



177 Tool trolley *Assistant*® with assortment

• Tool trolley

- 4 flat and 2 high drawers
- Good workshop basic equipment with the most important tools
- Especially suitable as introductory equipment, e.g. for trainees
- Single tools cardboard packed



177-6



600 SPC/10 • 10



600 N • 10
8 • 10 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



606/5 • 10



606 • 10
8 • 10 • 13 • 17 • 19



751 HS/5



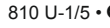
810/6 • 10



810 T/6 • 10



810 U-1/5 • 10



810 U • 10
0.8x4.5 • 1x5.5 • 1.2x7



810 U • 10
PH 1 • PH 2



953 SPC • 10 1/2



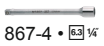
850 • 10 1/4 • 10
5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 ST • 10 1/4



866 U • 10 1/4



867-4 • 10 1/4 • 10 1/4



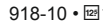
900 • 10 1/2 • 10
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27



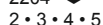
916 ST • 10 1/2



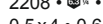
917-5 • 10 1/2 • 10 1/2



918-10 • 10 1/2 • 10 1/2



2204 • 10 1/2 • 10
2 • 3 • 4 • 5 • 6



2208 • 10 1/2 • 10
0.5x4 • 0.6x4.5 • 0.8x5.5



2215 • 10 1/2 • 10
PH 1 • PH 2



2216 • 10 1/2 • 10
PZ 1 • PZ 2



2223 • 10 1/2 • 10
T 10 • T 15 • T 20
T 25 • T 30



2250-1 • 10 1/4 • 10 1/4



1859 SPC/3



2105 LG/9 HC • 10



2240 N/36
10 1/2, 10 1/4, 10, 10 1/4, 10 1/2, 10 1/4



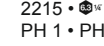
2239-6 • 10 1/2 • 10 1/2



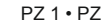
2204 • 10 1/2 • 10
3 • 4 • 5 • 6



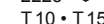
2208 • 10 1/2 • 10
0.6x4.5 • 0.8x5.5 • 1x6



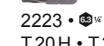
2215 • 10 1/2 • 10
PH 1 • PH 2



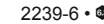
2216 • 10 1/2 • 10
PZ 1 • PZ 2



2223 • 10 1/2 • 10
T 10 • T 15 • T 20
T 25 • T 30



2223 • 10 1/2 • 10
T 20H • T 30H



2239-6 • 10 1/2 • 10 1/2

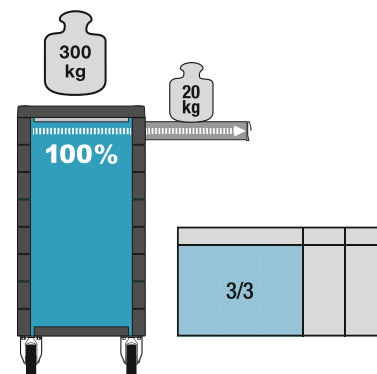
HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm	6x	kg	133	EAN-No. 4000896+
177-6/133	915x779.5x496	4x	2x	6x	62.8	133	189076

177 Tool trolley *Assistant* with assortment

• Tool trolley

- 6 flat and 1 high drawer

Assistant [®] (E)



177-7



163-329/100
1/4", 3/8", 1/2", 3/4", 1"



751 HS/5



850 • 1/4" • 3/8"
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P • 1/4"



867-2 • 1/4" • 3/8"



880 • 3/8" • 1/2"
10 • 12 • 13 • 14
16 • 17 • 19



8816 P • 1/2"



8821-10 • 1/2" • 3/4" • 1"



900 • 1/2" • 3/4"
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32



916 SP • 1/2"



917-5 • 1/2" • 3/4" • 1"



2105 LG/9 HC • 1"



2240 N/51
1/4", 3/8", 1/2", 3/4", 1"



2250-1 • 1/4" • 3/8" • 1/2"



163-265/6 • 1/4", 3/8", 1/2"



810/6 • 1/4", 3/8", 1/2"



163-185/5 • 1/4", 3/8", 1/2"



802 • 1/4"
T 10H • T 15H • T 20H
T 25H • T 30H



163-292/8 • 1/4", 3/8", 1/2"



600 N • 1/4"
10 • 11 • 13 • 14
15 • 17 • 19 • 22

HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm	7x	kg	119	EAN-No. 4000896+
177-7/119	915x779.5x496	6x	1x	7x	62.8	119	202751

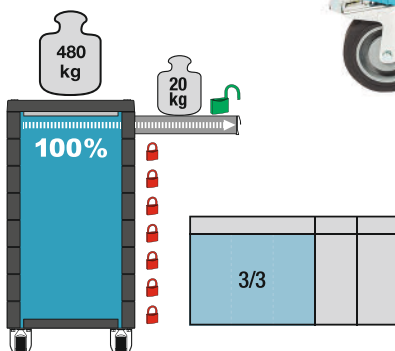
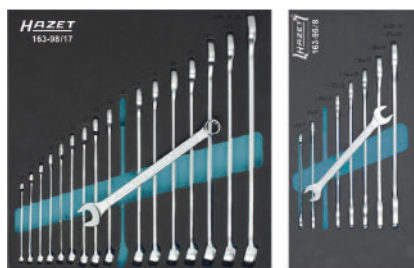


178 N Tool trolley *Assistant*®

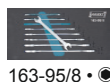
• Tool trolley

5 flat and 2 big drawers
Complete with 147-piece tool assortment

Ⓔ



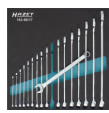
178 N-7



163-95/8 • ●



450 N • ●
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-98/17 • ⊙



600 N • ⊙
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



163-330/16 • ⊕, ⊖, ⊙



810/6 • ⊕, ⊙



810 T/6 • ⊙



1859 SPC/3



2140-50



163-466/106
⊕ ¼, ⊕ ½, ⊕ ¾
⊙, ⊕, ⊙, ⊕, ⊖, ⊙, ⊕



751 HS/5



850 • ⊕ ¼ • ⊙
4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P • ⊕ ¼



867-2 • ⊕ ¼ • ⊕ ¾



900 • ⊕ ½ • ⊙
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32



916 SP • ⊕ ½



917-5 • ⊕ ½ • ⊕ ¾



2105 Lg/9 H • ⊙



2116 Lg/8 H • ⊙



2240 N/51
⊕, ⊕, ⊕, ⊕, ⊕, ⊕, ⊕, ⊕, ⊕, ⊕



2250-1 • ⊕ ¼ • ⊕ ¾

HAZET No.	HxWxD mm	80x527x348 mm	165x527x348 mm	147	EAN-No. 4000896+
178 N-7/147	1410x780x496	8x	2x		205080



General workshop equipment

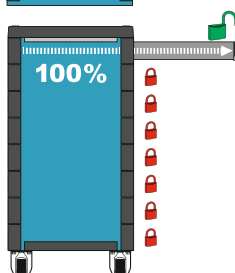
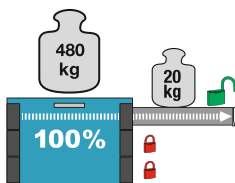
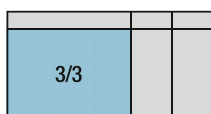
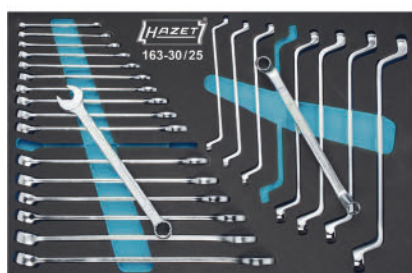
Tool trolley *Assistant*® with assortment



178 N Tool trolley *Assistant*®

• Tool trolley

Tool trolley 178 N-7: 5 flat and 2 big drawers
Tool chest 178 N K-3: 3 flat drawers
Complete with 141-piece assortment



178 N-7



178 N K-3



163-522 x 50



163-30/25 • 100%



600 N • 100%
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • 100%
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-329/100
100%, 100%, 100%, 100%



751 HS/5



850 • 100%
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P • 100%



867-2 • 100%



880 • 100%
10 • 12 • 13 • 14
16 • 17 • 19



8816 P • 100%



8821-10 • 100%



900 • 100%
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32



916 SP • 100%



917-5 • 100%



2105 LG/9 HC • 100%



2240 N/51
100%, 100%, 100%, 100%



2250-1 • 100%



163-330/16 • 100%



810/6 • 100%



810 T/6 • 100%



1859 SPC/3



2140-50

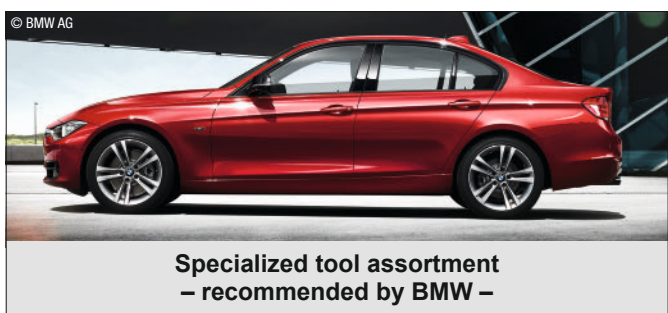
HAZET No.	H x W x D mm	80 x 527 x 348 mm	165 x 527 x 348 mm	141	EAN-No. 4000896+
178 N-10/141	1410 x 780 x 496	8x	2x		202812

179 Tool trolley *Assistant*® with assortment

• Basic assortment for BMW passenger cars

- Matching tool assortment – recommended by **BMW** –
- In Safety-Insert-System 2-component soft foam insert
- To complete the **BMW** basic assortment, we also recommend the 90-piece supplementary tool assortment II (passenger car), HAZET-No. 163-139/90
- 5 flat and 2 high drawers

Assistant® (E)



179-7-RAL 7016



163-57/56 • $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



850 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
3 • 4 • 5 • 6 • 8



8503 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
0.6x3.5 • 1x5.5 • 1.2x8



8506 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
PH 1 • PH 2



8507 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
PZ 1 • PZ 2



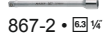
863 P • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



865 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



866 U • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



867-2 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



868 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



869 • $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



900 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



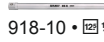
915 • $\frac{1}{2}$, $\frac{3}{4}$



916 SP • $\frac{1}{2}$, $\frac{3}{4}$



917-5 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



918-10 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



920 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



163-58/27 • $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



600 N • $\frac{1}{2}$
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



803 • $\frac{1}{2}$
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



803 • $\frac{1}{2}$
PH 1 • PH 2



801 K • $\frac{1}{2}$
1x5.5



801 K • $\frac{1}{2}$
PH 2



917-5 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$, $\frac{3}{4}$



163-96/3



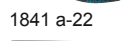
760-2



1802-22



1841 a-22



163-143/18 • $\frac{1}{2}$



426 • $\frac{1}{2}$



612 N • $\frac{1}{2}$
10x11



730



730-3 • 730-6



746-1



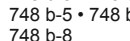
748 B



748 b-3 • 748 b-4



748 b-5 • 748 b-6



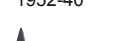
748 b-8



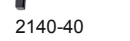
824 • $\frac{1}{2}$



1952-40



2140-40



2152/3



2154 N-5



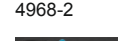
4968-2



163-225/6 • $\frac{1}{2}$



803 • $\frac{1}{2}$
T 10 • T 15 • T 20
T 25 • T 27 • T 30



163-522x50



2105 Lg/9 H • $\frac{1}{2}$



2105 LG • $\frac{1}{2}$
1.5 • 2 • 2.5 • 3 • 4
5 • 6 • 8 • 10



2240 N/36
 $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$



2204 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
3 • 4 • 5 • 6



2208 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
0.6x4.5 • 0.8x5.5 • 1x6



2215 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
PH 1 • PH 2 • PH 3



2216 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
PZ 1 • PZ 2 • PZ 3



2223 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$
T 20H • T 30H



2239-6 • $\frac{1}{2}$, $\frac{3}{4}$ • $\frac{1}{2}$

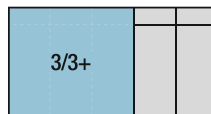
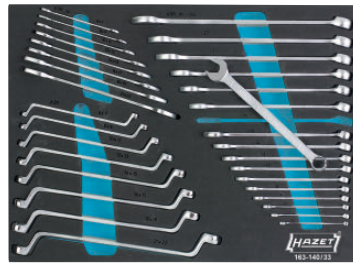
HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm	7x	kg		EAN-No. 4000896+
179-7-RAL 7016/157	1040x817x502	5x	2x		95	157	177387

179 Tool trolley *Assistant*® with assortment

• Tool trolley

• 5 flat and 2 high drawers

Assistant® (E)



440 kg

25 kg

100%



reddot design award winner



179-7



163-138/77 • 1/2 1/2, 1/2 1/2, 1/2 1/2, 1/2 1/2, 1/2 1/2, 1/2 1/2



850 • 1/4 • 1/2
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 LG • 1/4 • 1/2
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13



858-1 • 1/4 • 1/2 • 3/8



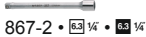
863 P • 1/4



865 • 1/4



866 U • 1/4



867-2 • 1/4 • 1/2 • 3/8



868 • 1/4 • 1/2 • 3/8



869 • 1/4 • 1/2 • 3/8



8501 • 1/4 • 1/2 • 3/8



8503 • 1/4 • 1/2 • 3/8



8506 • 1/4 • 1/2 • 3/8



8507 • 1/4 • 1/2 • 3/8



900 • 1/2 • 1/2 • 3/8



903 SLG • 1/2 • 1/2 • 3/8



915 • 1/2 • 1/2 • 3/8



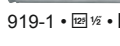
916 SP • 1/2 • 1/2 • 3/8



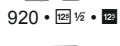
917-5 • 1/2 • 1/2 • 3/8



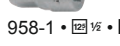
918-10 • 1/2 • 1/2 • 3/8



919-1 • 1/2 • 1/2 • 3/8



920 • 1/2 • 1/2 • 3/8



958-1 • 1/2 • 1/2 • 3/8



958-2 • 1/2 • 1/2 • 3/8



986 • 1/2 • 1/2 • 3/8



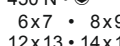
163-140/33 • 1/2 • 1/2 • 3/8



450 N • 1/2 • 1/2 • 3/8



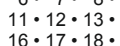
600 N • 1/2 • 1/2 • 3/8



600 N • 1/2 • 1/2 • 3/8



600 N • 1/2 • 1/2 • 3/8



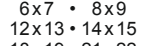
600 N • 1/2 • 1/2 • 3/8



600 N • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



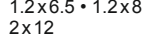
630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



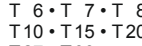
630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



630 • 1/2 • 1/2 • 3/8



163-143/18 • 1/2 • 1/2 • 3/8



426 • 1/2 • 1/2 • 3/8



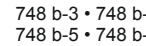
612 N • 1/2 • 1/2 • 3/8



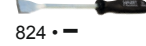
730 • 1/2 • 1/2 • 3/8



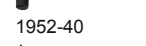
730-3 • 1/2 • 1/2 • 3/8



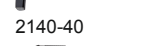
746-1 • 1/2 • 1/2 • 3/8



748 B • 1/2 • 1/2 • 3/8



748 b-3 • 1/2 • 1/2 • 3/8



748 b-5 • 1/2 • 1/2 • 3/8



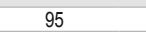
748 b-8 • 1/2 • 1/2 • 3/8



824 • 1/2 • 1/2 • 3/8



1952-40 • 1/2 • 1/2 • 3/8



2140-40 • 1/2 • 1/2 • 3/8



2152/3 • 1/2 • 1/2 • 3/8



4968-2 • 1/2 • 1/2 • 3/8



2128-1 • 1/2 • 1/2 • 3/8



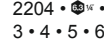
2240 N/36 • 1/2 • 1/2 • 3/8



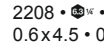
720 • 1/2 • 1/2 • 3/8



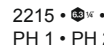
2204 • 1/2 • 1/2 • 3/8



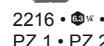
2208 • 1/2 • 1/2 • 3/8



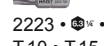
2215 • 1/2 • 1/2 • 3/8



2216 • 1/2 • 1/2 • 3/8



2223 • 1/2 • 1/2 • 3/8



2223 • 1/2 • 1/2 • 3/8



2223 • 1/2 • 1/2 • 3/8



2239-6 • 1/2 • 1/2 • 3/8

HAZET No.	H x W x D mm	80 x 527 x 398 mm	165 x 527 x 398 mm	7x	kg	220	EAN-No. 4000896+
179-7/220	1040 x 817 x 502	5x	2x	7x	95	220	164868



General workshop equipment

Tool trolley *Assistent*[®] with assortment



HAZET Toll Trolleys – Job well done – by HAZET!

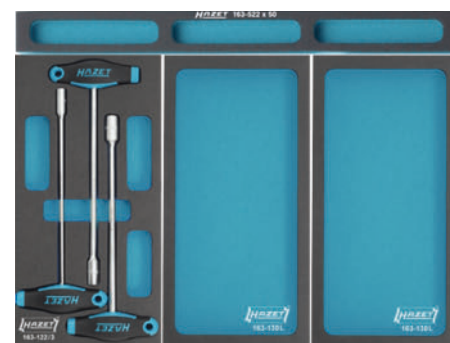
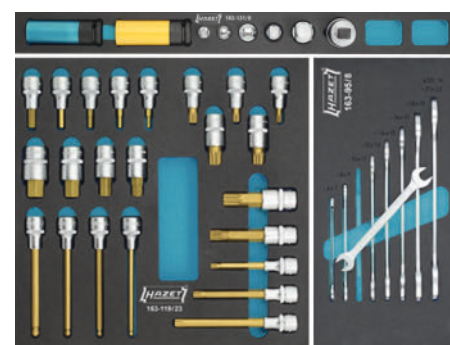
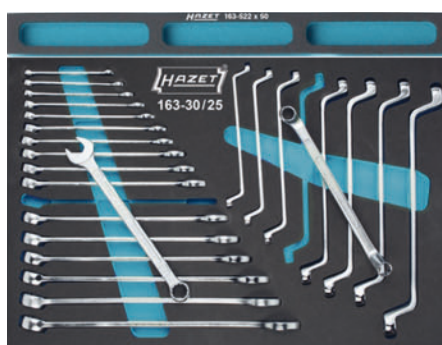
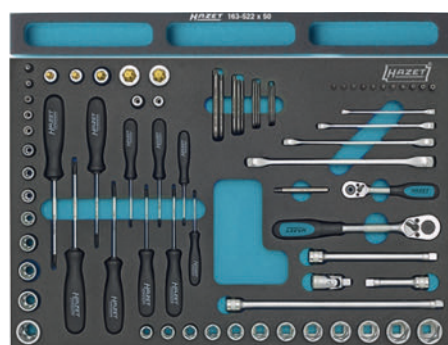
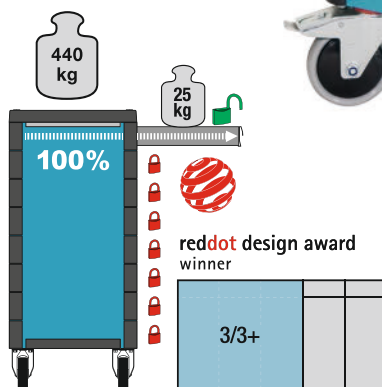


179 Tool trolley *Assistant*® with assortment

• MERCEDES-BENZ tool trolley

- 7 flat and 1 high drawer

Assistant® **E**





General workshop equipment

Tool trolley *Assistant*® with assortment



179 Tool trolley *Assistant*® with assortment



179-8



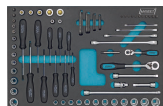
163-30/25 • 1/4 • 1/2



600 N • 1/4
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • 1/4
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-53/75
1/4 • 1/2 • 3/8 • 1/2 • 3/4 • 1/2



609 • 1/4
E 6xE 8 • E10xE12
E14xE18 • E20xE24



803 • 1/4
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



850 E • 1/4 • 1/2
E4 • E5 • E6 • E7 • E8



880 • 1/4 • 1/2
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



880 E • 1/4 • 1/2
E10 • E11 • E12 • E14



8802 • 1/4 • 1/2
T40 • T45



8816 P • 1/4 • 1/2



8820 • 1/4 • 1/2 • 3/4



8821 • 1/4 • 1/2 • 3/4
8821-3 • 8821-6 • 8821-10



900 E • 1/4 • 1/2 • 3/4
E16 • E18 • E20 • E24



992 • 1/4 • 1/2 • 3/4
T50 • T55 • T60



2115 • 1/4
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 1/4 • 1/2 • 3/4
T6



2223 LG • 1/4 • 1/2 • 3/4
T 7H • T 8H • T 9H
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H
T 40H



2223 LG • 1/4 • 1/2 • 3/4
T25



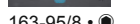
2250-1 • 1/4 • 1/2 • 3/4
2250-2 • 1/4 • 1/2 • 3/4



2264 • 1/4



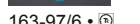
163-95/8 • 1/4



450 N • 1/4
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-97/6 • 1/4



606 • 1/4
8 • 10 • 12 • 13 • 17 • 19



163-118/57 • 1/4 • 1/2 • 3/4
O, 1/4, 1/2, 3/4



850 • 1/4 • 1/2
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 1/4 • 1/2 • 3/4
3 • 4 • 5 • 6 • 8



8503 • 1/4 • 1/2 • 3/4
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/4 • 1/2 • 3/4
PH 1 • PH 2



8507 • 1/4 • 1/2 • 3/4
PZ 1 • PZ 2



863 P • 1/4 • 1/2



865 • 1/4 • 1/2



866 U • 1/4 • 1/2



867-2 • 1/4 • 1/2 • 3/4



868 • 1/4 • 1/2 • 3/4



869 • 1/4 • 1/2 • 3/4



900 Z • 1/4 • 1/2 • 3/4
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • 1/4 • 1/2



916 SP • 1/4 • 1/2



919 • 1/4 • 1/2 • 3/4



919-5 • 1/4 • 1/2 • 3/4



920 • 1/4 • 1/2 • 3/4



919-1 • 1/4 • 1/2 • 3/4



163-119/23 • 1/4 • 1/2 • 3/4 • 1/2 • 3/4



986 • 1/4 • 1/2 • 3/4
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • 1/4 • 1/2 • 3/4
6 • 7 • 8 • 10



990 • 1/4 • 1/2 • 3/4
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • 1/4 • 1/2 • 3/4
M 8 • M 14



990 SLG • 1/4 • 1/2 • 3/4
M 10 • M 12



163-120/24 • 1/4 • 1/2 • 3/4 • 1/2 • 3/4



730 • 1/4 • 1/2 • 3/4
730-3 • 730-6



746-1



748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6



759 N-2



801 K • 1/4
1x5.5



801 K • 1/4
PH 2



803 • 1/4
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



803 • 1/4
PH 1 • PH 2 • PH 3



1802 M-22



1841 M b-33



1850 M-22



2105 Lg/9 H • O



2140-50



163-121/4



755-10 A



1802 M-33



1803 M-11



1841 M a-11



163-122/3 • 1/4



428 • 1/4
8 • 10 • 13



1845



163-124/4



1845 A-19



1845 B-19



1845 C-19



1845 D-19



163-131/8
1/4 • 1/2 • 3/4 • 1/2 • 3/4



858-1 • 1/4 • 1/2 • 3/4



858-1 • 1/4 • 1/2 • 3/4



8858-1 • 1/4 • 1/2 • 3/4



8858-2 • 1/4 • 1/2 • 3/4



903 SLG • 1/4 • 1/2 • 3/4
17 • 19



958-1 • 1/4 • 1/2 • 3/4



958-2 • 1/4 • 1/2 • 3/4



1058-2 • 1/4 • 1/2 • 3/4



163-130 L



163-522 x50



180-38



426 • 1/4
6 • 7 • 8



450 N • 1/4
24x27 • 30x32



600 N • 1/4
27 • 30 • 32



612 • 1/4
10x11



630 • 1/4
24x27 • 30x32



650-20



803 • 1/4
T 15 • T 20 • T 25 • T 30



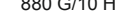
824 • 1/4



828 • 1/4
T 45



880 G/10 H • 1/4 • 1/2 • 3/4



880 G • 1/4 • 1/2 • 3/4
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



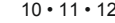
880 TZ/10 H • 1/4 • 1/2 • 3/4



880 TZ • 1/4 • 1/2 • 3/4
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



900 SZ • 1/4 • 1/2 • 3/4
32 • 34 • 36



918-23 • 1/4 • 1/2 • 3/4



1015/2 • 1/4 • 1/2 • 3/4



1014



1015-1 • 1/4 • 1/2 • 3/4



1952-35



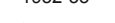
1976



2130



2147



2154 N-5



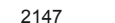
2154-10



2160



2165-2



2211 • 1/4 • 1/2 • 3/4
M 4 • M 5



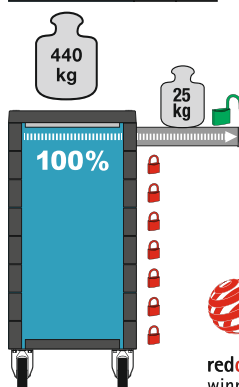
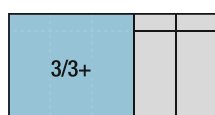
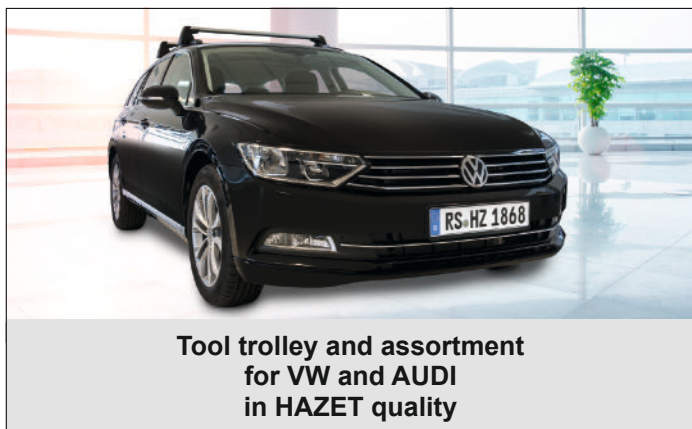
2212 • 1/4 • 1/2 •

179 Tool trolley *Assistant*® with assortment

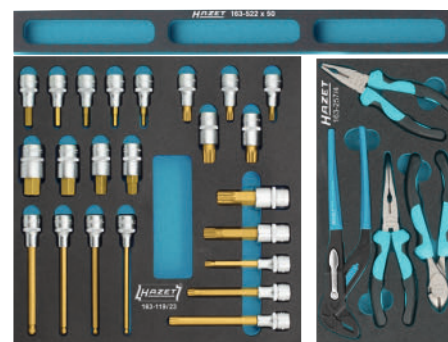
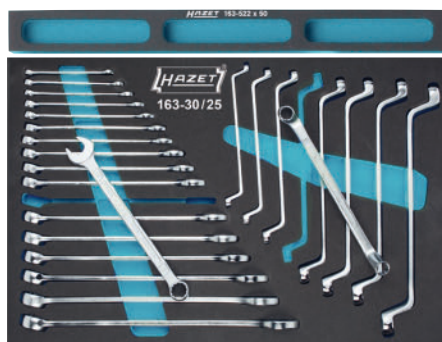
- With assortment for AUDI

Assistant® E

- 7 flat and 1 high drawer



red dot design award
winner





General workshop equipment

Tool trolley *Assistant*® with assortment



179 Tool trolley *Assistant*® with assortment



179-8-RAL 7021



163-30/25 • 1/2", 1/4"



600 N • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24



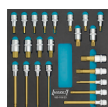
630 • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



163-97/6 • 1/2"



606 • 8 • 10 • 12 • 13 • 17 • 19



163-119/23 • 1/2", 1/4", 1/8"



986 • 1/2", 1/4" • 5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19



986 KK • 1/2", 1/4" • 6 • 7 • 8 • 10



990 • 1/2", 1/4" • M 8 • M 10 • M 12 • M 14 • M 16 • M 18



990 LG • 1/2", 1/4" • M 8 • M 14



990 SLG • 1/2", 1/4" • M 10 • M 12



163-141/31 • 1/2", 1/4", 1/8", 1/16"



802 • 0.6x3.5 • 0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8 • 1.6x10 • 2x12



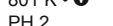
802 • PH 1 • PH 2 • PH 3



801 K • 1x5.5



801 K • PH 2



803 • T 6 • T 7 • T 8 • T 9 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30



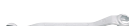
2105 Lg/9 H • 1/2"



163-143/18 • 1/2"



426 • 6 • 7



612 N • 10x11



730 • 730-3 • 730-6



746-1



748 B • 748 b-3 • 748 b-4 • 748 b-5 • 748 b-6 • 748 b-8



824 • 1/2"



1952-40



2140-40



2152/3



2154 N-5



4968-2



163-172x50



163-257/4



760-2



1802 M-22



1841 M b-33



1850 M-22



163-258/92



850 • 1/4", 1/8" • 4 • 5 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14



850 E • 1/4", 1/8" • E 4 • E 5 • E 6 • E 7 • E 8



8501 • 1/4", 1/8" • 3 • 4 • 5 • 6



8502 • 1/4", 1/8" • T 10 • T 15 • T 20 • T 25 • T 27



8503 • 1/4", 1/8" • 1x5.5



8506 • 1/4", 1/8" • PH 1 • PH 2



863 P • 1/4", 1/8"



866 U • 1/4", 1/8"



867 • 1/4", 1/8" • 867-2 • 867-4



868 • 1/4", 1/8" • 868-2 • 868-4



869 • 1/4", 1/8" • 869-2 • 869-4



900 • 1/2", 1/4" • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 24 • 27 • 30 • 32



900 Z • 1/2", 1/4" • 8 • 9 • 10 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32



900 E • 1/2", 1/4" • E 10 • E 12 • E 14 • E 16 • E 18 • E 20



915 • 1/2"



916 SP • 1/2"



919 • 1/2", 1/4" • 919-1 • 919-5 • 919-10



920 • 1/2", 1/4" • 920-1 • 920-2



992 • 1/2", 1/4" • T 30 • T 40 • T 45 • T 50 • T 55 • T 60



2223 • 1/2", 1/4" • T 6 • T 7 • T 8 • T 9



2250-1 • 1/4", 1/8" • 2250-1 • 2250-2



163-522x50



600 N • 27 • 30 • 32



630 • 24x27 • 30x32



650-20



1841 M a-22



2116 Lg/8 H • 1/2"

HAZET No.	H x W x D mm	80x527x398 mm	165x527x398 mm	8x	kg	214	EAN-No. 4000896+
179-8-RAL 7021/214	1040x817x502	7x	1x	8x	98.9	214	179497

179 Tool trolley *Assistant*® with assortment

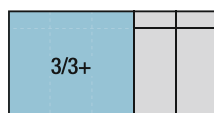
• With assortment for AUDI

• 7 flat and 1 high drawer

Assistant® E

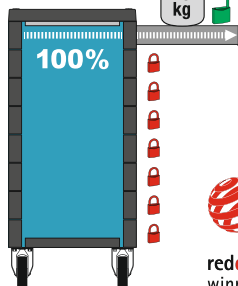


Tool trolley and assortment
for VW and AUDI
in HAZET quality

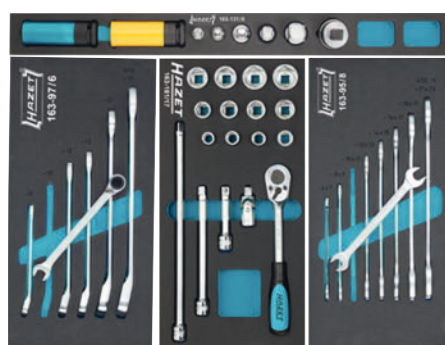
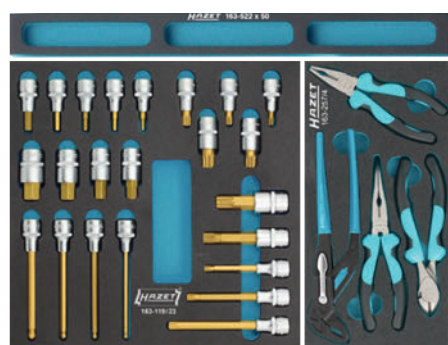
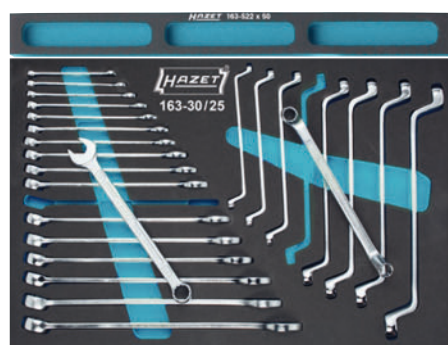


440 kg

25 kg



reddot design award
winner



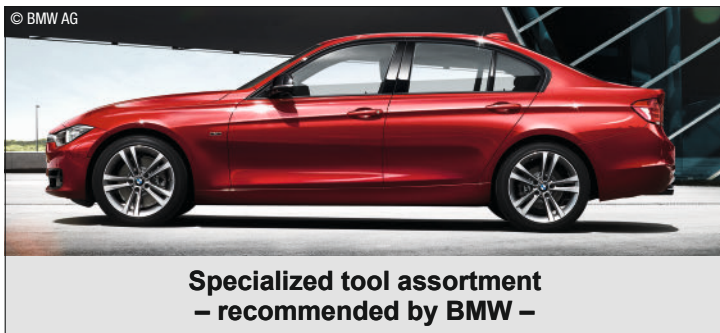
179 T Tool trolley *Assistant*®

• Full BMW passenger car assortment

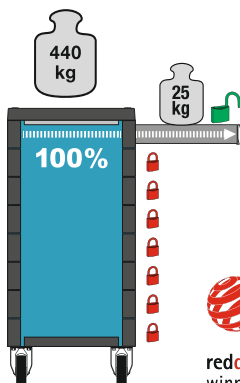
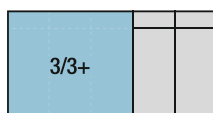
- 7 flat and 1 high drawer
- Incl. lateral door, lockable
- Matching tool assortment – recommended by BMW –

Assistant®

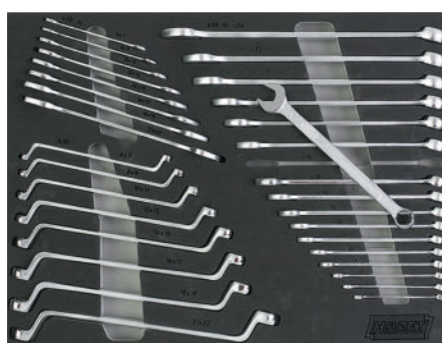
© BMW AG



**Specialized tool assortment
– recommended by BMW –**



reddot design award
winner





General workshop equipment

Tool trolley *Assistant*® with assortment



179 T Tool trolley *Assistant*®



179 T-RAL 7016



163-104/77-BMW



850 • 6.3 1/4 • 3 • 4 • 5 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14



850 LG • 6.3 1/4 • 4 • 5 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13



858-1 • 6.3 1/4 • 10 3/8



863 P • 6.3 1/4



865 • 6.3 1/4



866 U • 6.3 1/4



867-2 • 6.3 1/4 • 6.3 1/4



868 • 6.3 1/4 • 6.3 1/4



869 • 6.3 1/4 • 6.3 1/4



900 • 12 1/2 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 24 • 27 • 30 • 32



903 SLG • 12 1/2 • 17 • 19



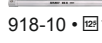
915 • 12 1/2



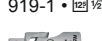
916 SP • 12 1/2



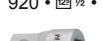
917-5 • 12 1/2 • 12 1/2



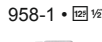
918-10 • 12 1/2 • 12 1/2



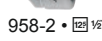
919-1 • 12 1/2 • 12 1/2



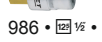
920 • 12 1/2 • 12 1/2



958-1 • 12 1/2 • 10 3/8



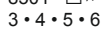
958-2 • 12 1/2 • 10 3/8



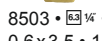
986 • 12 1/2 • 5 • 6 • 7 • 8 • 10 • 12 • 14 • 17



8501 • 6.3 1/4 • 3 • 4 • 5 • 6 • 8



8503 • 6.3 1/4 • 0.6x3.5 • 1x5.5 • 1.2x8



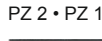
8506 • 6.3 1/4 • PH 1 • PH 2



8507 • 6.3 1/4 • PZ 2 • PZ 1



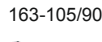
8507 • 6.3 1/4 • PZ 2 • PZ 1



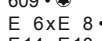
8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



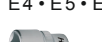
8507 • 6.3 1/4 • PZ 2 • PZ 1



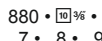
8507 • 6.3 1/4 • PZ 2 • PZ 1



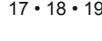
8507 • 6.3 1/4 • PZ 2 • PZ 1



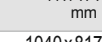
8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



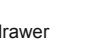
8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



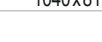
8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



8507 • 6.3 1/4 • PZ 2 • PZ 1



880 LG • 10 3/8 • 10 • 11 • 12 • 13



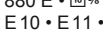
880 G • 10 3/8 • 10 • 11 • 12 • 13 • 14 • 15 • 16



880 E • 10 3/8 • E 10 • E 11 • E 12 • E 14



880 G • 10 3/8 • E 8 • E 10



8801 K • 10 3/8 • 9



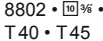
8802 • 10 3/8 • T 40 • T 45



8808 • 10 3/8 • M 6 • M 8 • M 10



8816 GK • 10 3/8



8816 P • 10 3/8



8820 • 10 3/8 • 10 3/8



8821 • 10 3/8 • 10 3/8



8821-3 • 8821-6 • 8821-10



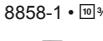
8858-1 • 10 3/8 • 12 1/2



8858-2 • 10 3/8 • 6.3 1/4



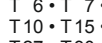
900 E • 12 1/2 • E 16 • E 18 • E 20 • E 24



992 • 12 1/2 • T 50 • T 55 • T 60



2115 • T 6 • T 7 • T 8 • T 9 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30 • T 40



2215 • PH 1 • PH 2 • PH 3



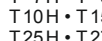
2223 • T 6



2223 LG • T 7H • T 8H • T 9H • T 10H • T 15H • T 20H • T 25H • T 27H • T 30H • T 40H



2224 • T 55



2250-1 • 6.3 1/4 • 6.3 1/4



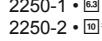
2250-2 • 6.3 1/4 • 6.3 1/4



2264 • 6.3 1/4



6420 d • 6.3 1/4 • 6.3 1/4



163-106/33-BMW



450 N • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



600 N • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24



630 • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



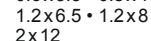
163-107/31-BMW



802 • 0.6x3.5 • 0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8 • 1.6x10 • 2x12



802 • PH 1 • PH 2 • PH 3



801 K • 1x5.5



801 K • PH 2



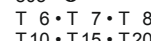
803 • T 6 • T 7 • T 8 • T 9 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30



2105 Lg/9 H • 0



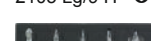
163-108/9-BMW



757-10



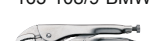
760-2



1802-22



1841 a-22



1846 a-2



1846 b-2



1846 c-2



1846 d-2



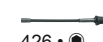
1850-22



163-109/18-BMW



426 • 6 • 7



612 N • 10x11



730 • 730-3 • 730-6



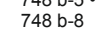
746-1



748 B • 748 b-3 • 748 b-4 • 748 b-5 • 748 b-6 • 748 b-8



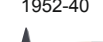
824 • 1952-40



2140-40



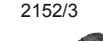
2152/3



2154 N-5



4968-2



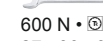
600 N • 27 • 30 • 32



918-23 • 12 1/2 • 12 1/2



1975



1976-2

HAZET No.	H x W x D mm	80x527x398 mm	165x527x398 mm	8x	kg	264	EAN-No. 4000896+
179 T-RAL 7016/2	1040x817x502	7x	1x	8x	98.9	264	189236

Made in Germany

• Tool trolley

- Worktop: plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 25 kg
- Colour: RAL 7016
- 7 flat drawers and 1 high drawer
- Incl. lateral door, lockable



HAZET No.	H x W x D mm	80x527x398 mm	165x527x398 mm	8x	kg	EAN-No. 4000896+
179 T-RAL 7016	1040x817x502	7x	1x	8x	98.9	188734



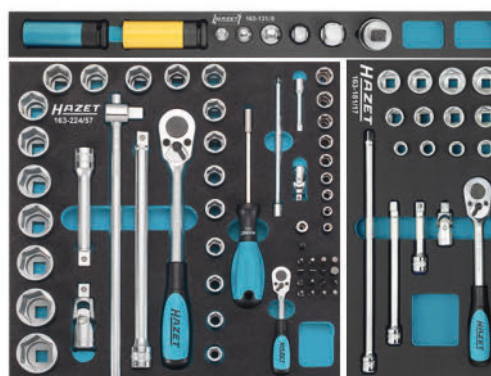
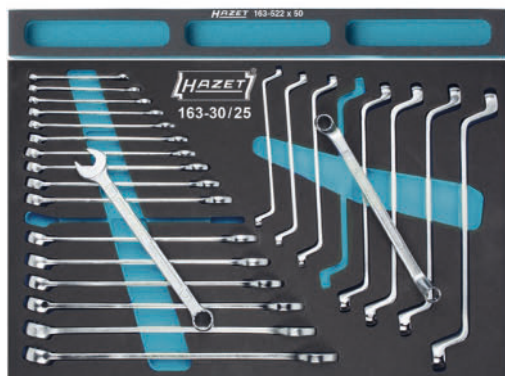
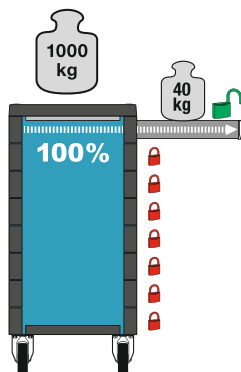
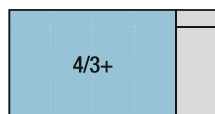
179 XL Tool trolley *Assistant*® with assortment

• Tool trolley

- 5 flat (80 mm) and 2 big (165 mm) drawers
- 7 drawer separation sheets



YouTube Clip

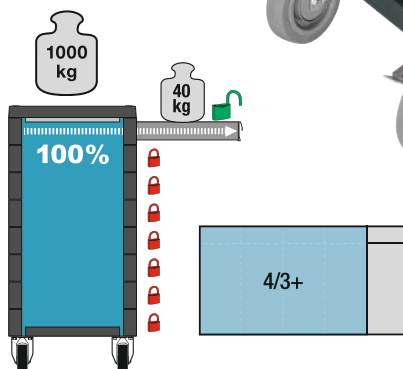
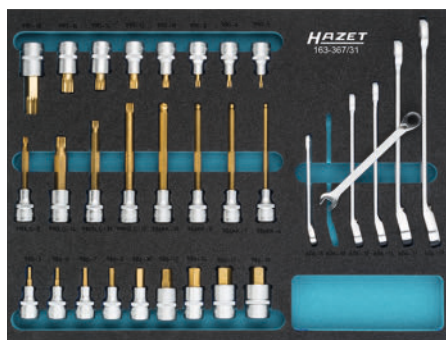


179 XL Tool trolley *Assistant*® with assortment

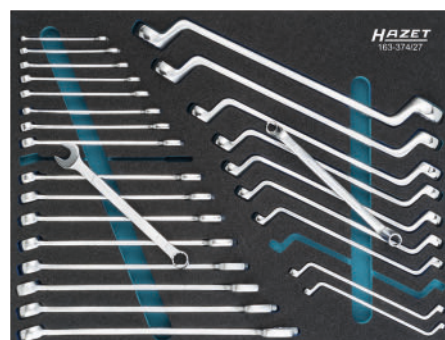
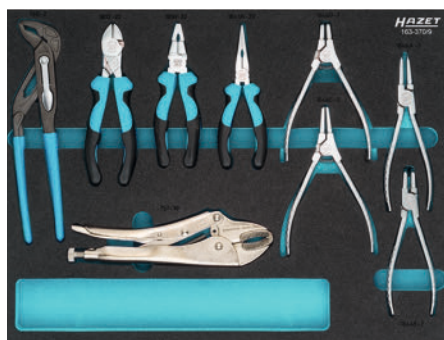
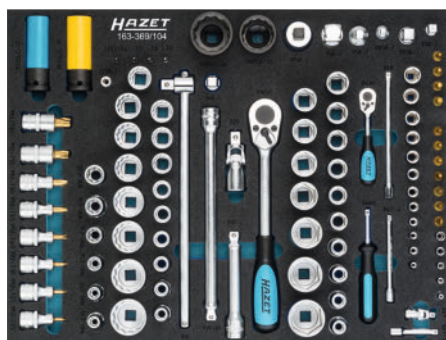
• Tool trolley

- 7 flat drawers (80 mm) and 1 high drawer (165 mm)
- 8 drawer separation sheets
- Colour RAL 7012 (Basalt grey)
- Supplementary tool assortments, see also
Supplementary tool assortment for **AUDI** 0-2500-163/72
Supplementary tool assortment **VW** 0-2500-163/73
Body supplementary set 163-381/9

Assistant®



360°





General workshop equipment

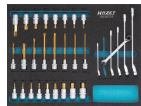
Tool trolley *Assistant*® with assortment



179 XL Tool trolley *Assistant*® with assortment



179 XL-8-VW



163-367/31 • 1/2" 1/2"
⊙, ⊙, ⊙



606 • ⊙
8 • 10 • 12 • 13 • 17 • 19



886 • 1/2" 1/2" ⊙
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



886 KK • 1/2" 1/2" ⊙
6 • 7 • 8 • 10



990 • 1/2" 1/2" ⊙
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18



990 LG • 1/2" 1/2" ⊙
M 8 • M 14



990 SLG • 1/2" 1/2" ⊙
M 10 • M 12



163-369/104
1/4", 1/2", 3/4"
⊙, ⊙, ⊙, ⊙, ⊙, ⊙



850 • 1/4" 1/4" ⊙
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 E • 1/4" 1/4" ⊙
E4 • E5 • E6 • E7 • E8



8501 • 1/4" 1/4" ⊙
3 • 4 • 5 • 6



8502 • 1/4" 1/4" ⊙
T 10 • T 15 • T 20
T 25 • T 27



8503 • 1/4" 1/4" ⊙
1 x 5.5



8506 • 1/4" 1/4" ⊙
PH 1 • PH 2



858-1 • 1/4" 1/4" ⊙
10 3/8"



863 P • 1/4" 1/4" ⊙



866 U • 1/4" 1/4" ⊙



867 • 1/4" 1/4" ⊙
867-2 • 867-4



868 • 1/4" 1/4" ⊙



869 • 1/4" 1/4" ⊙



8858-1 • 10 3/8" • 1 1/2" 1/2"



8858-2 • 10 3/8" • 1 1/2" 1/2"



900 • 1/2" 1/2" ⊙
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32



900 E • 1/2" 1/2" ⊙
E10 • E12 • E14
E16 • E18 • E20



900 SZ • 1/2" 1/2" ⊙
32 • 36



900 Z • 1/2" 1/2" ⊙
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32



903 SLG • 1/2" 1/2" ⊙
17 • 19



915 • 1/2" 1/2" ⊙



916 SP • 1/2" 1/2" ⊙



919 • 1/2" 1/2" ⊙
919-1 • 919-5 • 919-10



920 • 1/2" 1/2" ⊙



958-1 • 1/2" 1/2" ⊙
20 3/4"



958-2 • 1/2" 1/2" ⊙
10 3/8"



992 • 1/2" 1/2" ⊙
T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60



1058-2 • 20 3/4" • 1 1/2" 1/2"



2223 • 1/4" 1/4" ⊙
T 6 • T 7 • T 8 • T 9



2250-1 • 1/4" 1/4" ⊙
1/4"



163-370/9



757-10



760-2



1802-22



1841 a-22



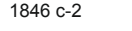
1846 a-2



1846 b-2



1846 c-2



1846 d-2



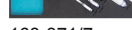
1850-22



163-371/7
⊙, ⊙, 1/2" 1/2", 20 3/4"



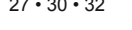
600 N • ⊙
27 • 30 • 32



650-20



918-23 • 1/2" 1/2" • 1 1/2" 1/2"



1014



1015-1 • 20 3/4"



163-372/25 • ⊙



612 N • ⊙
10 x 11



666-5



730
730-3 • 730-6



746-1



748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8



824 • -



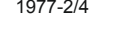
1952-40



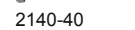
1976-2



1977-2/4



2140-40



2147 MS



2152/3



2154 N-5



2157-1



4968-2



163-373/39
⊙, ⊙, ⊙, ⊙, ⊙



801 K • ⊙
1 x 5.5



801 K • ⊙
PH 2



802 • ⊙
0.6 x 3.5 • 1.2 x 8
1.6 x 10 • 2 x 12



802 • ⊙
PH 3



803 • ⊙
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



810 U-1/5 • ⊙, ⊙



2105 LG/9 HC • ⊙



2116 Lg/8 H • ⊙



163-374/27 • ⊙, ⊙, ⊙



600 N • ⊙
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • ⊙
6 x 7 • 8 x 9 • 10 x 11
12 x 13 • 14 x 15 • 16 x 17
18 x 19 • 21 x 22 • 24 x 27
30 x 32

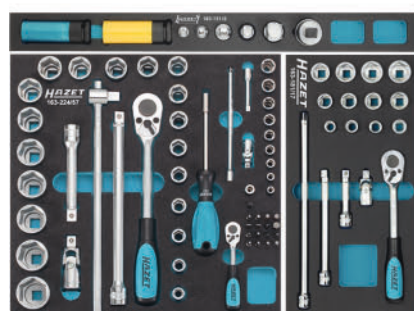
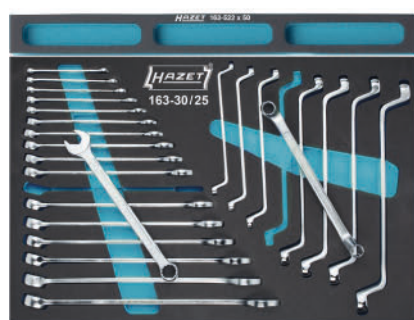
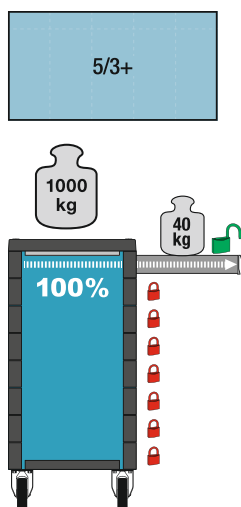
HAZET No.	H x W x D mm						EAN-No. 4000896+
179 XL-8-VW/243	1025x980x503	7x	1x	8x	123	243	196715



179 XXL Tool trolley *Assistant*® with assortment

• Tool trolley

- 5 flat (80 mm) and 2 high (165 mm) drawers
- 7 drawer separation sheets





General workshop equipment

Tool trolley *Assistent*® with assortment



179 XXL Tool trolley *Assistent*® with assortment



179 XXL-7



163-30/25 • 1/2", 1/4"



600 N • 1/2"
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • 1/2"
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-95/8 • 1/2"



450 N • 1/2"
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-96/3



760-2



1802-22



1841 a-22



163-97/6 • 1/2"



606 • 1/2"
8 • 10 • 12 • 13 • 17 • 19



1845
163-124/4



1845 A-19



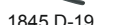
1845 B-19



1845 C-19



1845 D-19



163-131/8
1/2", 3/4", 1", 1 1/4", 1 1/2", 2"



858-1 • 1/2" • 3/4" • 1" • 1 1/4"



8858-1 • 1/2" • 3/4" • 1" • 1 1/4"



8858-2 • 1/2" • 3/4" • 1" • 1 1/4"



903 SLG • 1/2" • 3/4" • 1" • 1 1/4"
17 • 19



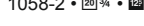
958-1 • 1/2" • 3/4" • 1" • 1 1/4"



958-2 • 1/2" • 3/4" • 1" • 1 1/4"



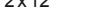
1058-2 • 1/2" • 3/4" • 1" • 1 1/4"



163-141/31 • 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"



802 • 1/2"
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12



802 • 3/4"
PH 1 • PH 2 • PH 3



801 K • 1/2"
1x5.5



801 K • 3/4"
PH 2



803 • 1/2"
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



2105 Lg/9 H • 1/2"



163-181/17 • 1/2" • 3/4" • 1" • 1 1/4"



880 • 1/2" • 3/4" • 1" • 1 1/4"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



8816 P • 1/2" • 3/4" • 1" • 1 1/4"



8820 • 1/2" • 3/4" • 1" • 1 1/4"



8821 • 1/2" • 3/4" • 1" • 1 1/4"

8821-3 • 8821-6 • 8821-10



163-192/24 • 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"



850 E • 1/2" • 3/4" • 1" • 1 1/4"
E 5 • E 6 • E 7 • E 8 • E 10



8502 • 1/2" • 3/4" • 1" • 1 1/4"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



900 E • 1/2" • 3/4" • 1" • 1 1/4"
E 10 • E 12 • E 14
E 16 • E 18 • E 20



992 • 1/2" • 3/4" • 1" • 1 1/4"
T 30 • T 40 • T 45
T 50 • T 55



2115-T/7 R • 1/2" • 3/4" • 1" • 1 1/4"



163-222/13 • 1/2" • 3/4" • 1" • 1 1/4"



986 KK • 1/2" • 3/4" • 1" • 1 1/4"
5 • 6 • 7 • 8 • 10



990 • 1/2" • 3/4" • 1" • 1 1/4"
M 5 • M 6 • M 8
M 10 • M 12



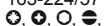
990 LG • 1/2" • 3/4" • 1" • 1 1/4"
M 8



990 SLG • 1/2" • 3/4" • 1" • 1 1/4"
M 10 • M 12



163-224/57 • 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
1/2", 3/4", 1", 1 1/4", 1 1/2", 2"



810 SPC-6.3 • 1/2" • 3/4" • 1" • 1 1/4"



850 • 1/2" • 3/4" • 1" • 1 1/4"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P • 1/2" • 3/4" • 1" • 1 1/4"



867-2 • 1/2" • 3/4" • 1" • 1 1/4"



868 • 1/2" • 3/4" • 1" • 1 1/4"



869 • 1/2" • 3/4" • 1" • 1 1/4"



900 • 1/2" • 3/4" • 1" • 1 1/4"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32



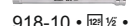
915 • 1/2" • 3/4" • 1" • 1 1/4"



916 SP • 1/2" • 3/4" • 1" • 1 1/4"



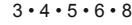
917-5 • 1/2" • 3/4" • 1" • 1 1/4"



918-10 • 1/2" • 3/4" • 1" • 1 1/4"



920 • 1/2" • 3/4" • 1" • 1 1/4"



2204 • 1/2" • 3/4" • 1" • 1 1/4"
3 • 4 • 5 • 6 • 8



2208 • 1/2" • 3/4" • 1" • 1 1/4"
0.6x4.5 • 1x6 • 1.2x6.5



2215 • 1/2" • 3/4" • 1" • 1 1/4"
PH 1 • PH 3



2216 • 1/2" • 3/4" • 1" • 1 1/4"
PZ 1 • PZ 2



2223 • 1/2" • 3/4" • 1" • 1 1/4"
T 15 • T 20 • T 25 • T 30



2250-1 • 1/2" • 3/4" • 1" • 1 1/4"



2304 • 1/2" • 3/4" • 1" • 1 1/4"



163
163-172x50
163-522x50



2128-1



2240 N/36
1/2", 3/4", 1", 1 1/4", 1 1/2", 2"



2204 • 1/2" • 3/4" • 1" • 1 1/4"
3 • 4 • 5 • 6 • 8



2208 • 1/2" • 3/4" • 1" • 1 1/4"
0.6x4.5 • 1x6 • 1.2x6.5



2215 • 1/2" • 3/4" • 1" • 1 1/4"
PH 1 • PH 3



2216 • 1/2" • 3/4" • 1" • 1 1/4"
PZ 1 • PZ 2



2223 • 1/2" • 3/4" • 1" • 1 1/4"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 1/2" • 3/4" • 1" • 1 1/4"
T 20H • T 30H



2239-6 • 1/2" • 3/4" • 1" • 1 1/4"

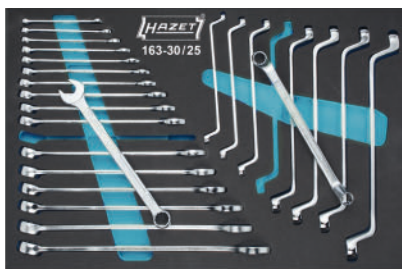
HAZET No.	H x W x D mm						EAN-No. 4000896+
179 XXL-7/257	1025x1154x503	5x	2x	7x	145	257	180462

Work bench *Assistant*® with assortment

177 W Mobile work bench with assortment

- With 7 drawers (6xflat and 1xhigh drawer as well as 2 compartments in the side section)

Assistant® (E)



177 W-7



163-30/25 • 10 • 15



600 N • 10
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • 10
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-31/27 • 10 • 15

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6

760-2

801 K • 10
1x5.5

801 K • 10
PH 2

803 • 10
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8

803 • 10
PH 1 • PH 2

803 • 10
T 10 • T 15 • T 20
T 25 • T 30

1802 M-22

1841 M b-33

1850 M-22

2140-50

163-57/56 • 10 • 15
O • 10 • 15 • 20 • 25

850 • 10 • 15
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

8501 • 10 • 15
3 • 4 • 5 • 6 • 8

8503 • 10 • 15
0.6x3.5 • 1x5.5 • 1.2x8

8506 • 10 • 15
PH 1 • PH 2

8507 • 10 • 15
PZ 1 • PZ 2

863 P • 10 • 15

865 • 10 • 15

866 U • 10 • 15

867-2 • 10 • 15

868 • 10 • 15

869 • 10 • 15 • 20

900 • 10 • 15 • 20
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34

915 • 10 • 15

916 SP • 10 • 15

917-5 • 10 • 15 • 20

918-10 • 10 • 15 • 20

920 • 10 • 15 • 20

2128-1

2240 N/36
10 • 15 • 20 • 25 • 30 • 35 • 40

2204 • 10 • 15 • 20
3 • 4 • 5 • 6

2208 • 10 • 15 • 20
0.6x4.5 • 0.8x5.5 • 1x6

2215 • 10 • 15 • 20
PH 1 • PH 2 • PH 3

2216 • 10 • 15 • 20
PZ 1 • PZ 2 • PZ 3

2223 • 10 • 15 • 20
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • 10 • 15 • 20
T 20H • T 30H

2239-6 • 10 • 15 • 20

HAZET No.	H x W x D mm	80x527x348 mm	165x527x348 mm	7x	kg	169	EAN-No. 4000896+
177 W-7/169	934x1040x520	6x	1x	7x	85	169	157310





Tool case

190 Attachable and portable tool box Cockpit

• The third dimension for the *Assistant*

Attachable and portable tool box Cockpit

- The space saving miracle: Immediate access – 80% of the most common tools are always at hand
- Same storage capacity as two drawers offering larger space for further tools
- Suitable for *Assistant* 178, 179 and 180
- Tool box is quickly removable
- Keeps the working top tidy for assembly work
- Ergonomic inclination of 15° providing high user comfort
- Removable and attachable lid (lockable, 2 folding keys included) with swivelling handle
- Simultaneous locking for tool box "Cockpit" and *Assistant* available on demand



YouTube Clip



600 N •
 7 • 8 • 9 • 10 • 11
 12 • 13 • 14 • 15 • 16
 17 • 18 • 19



760 N
 760 N-1 • 760 N-2



802 •
 0.8x4 • 1x5.5 • 1.2x6.5



802 •
 PH 1 • PH 2



802 •
 T20H • T25H
 T27H • T30H



850 •
 4 • 5 • 5.5 • 6
 7 • 8 • 9 • 10
 11 • 12 • 13 • 14



8501 •
 3 • 4 • 5 • 6 • 8



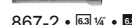
8507 •
 PZ 1 • PZ 2



863 P •
 866 U •



867-2 •
 868 •



869 •



869 •



869 •



900 •
 10 • 11 • 12 • 13 • 14 • 15
 16 • 17 • 18 • 19 • 20 • 21
 22 • 24 • 27 • 30



916 SP •



917-5 •



918-10 •



920 •



1803-22



1841 a-22

HAZET No.	H x W x D mm	Δ kg		EAN-No. 4000896+
• HAZET Cockpit incl. 70 tools 190-20/70	343x188x516 mm	14	70	162529
HAZET Cockpit, empty • For individual equipment with additional tools • Mobile and always at hand • Loading capacity max. 15 kg 190-20	–	8.9	–	164677
• Cockpit retaining plate (right), with accessories for <i>Assistant</i> 178, 179, 179 XL, 179 XXL, 179 A XXL, 179 T XXL 190-20-1	–	2.5	–	163540
• Cockpit retaining plate (rear), with accessories for <i>Assistant</i> 178 and 179 190-20-2	–	4.1	–	163533



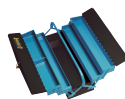
General workshop equipment

Tool case



190 Metal tool box with assortment

- Tool box 190 L, complete with assortment and padlock



190 L



450 N • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32



630 • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32 • 36x41



650-20
730
730-3 • 730-6



740-3
745 A
745 a-2 • 745 a-4
746-2



760 N
760 N-1 • 760 N-2



803 • 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1x5.5 • 1.2x8



803 • PH 1 • PH 2 • PH 3



803 • PZ 1 • PZ 2



824 • 900 • 100 1/2 • 100



900 • 10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 26 • 27
28 • 30 • 32



915 • 916 SP • 917-5 • 100 1/2 • 100



916 SP • 917-5 • 100 1/2 • 100



918-10 • 120 1/2 • 120 1/2



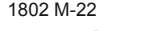
920 • 120 1/2 • 120 1/2



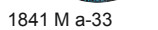
986 • 5 • 6 • 8 • 10



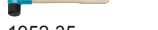
1802 M-22



1841 M a-33



1952-35



2100/6 H • 2140-50



2140-50



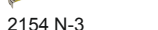
2154 N-3



2154 N-3

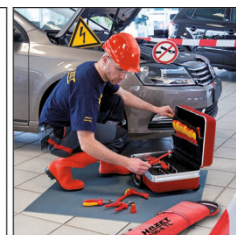


2154 N-3



2154 N-3

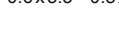
150 Tool set for hybrid and electric vehicles



759 N-2 VDE



810 VDE • 0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4



810 VDE • PH 1 • PH 2 • PH 3



810 VDE • T20 • T25 • T30



810 VDE • T20 • T25 • T30



880 VDE • 6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22



8808 LG • M 8 • M 10 • M 12



8816 VDE • 8821 VDE • 8821 VDE-3



8821 VDE-5



8821 VDE-5



1802 VDE-22



1804 VDE-33



1816 VDE-22



1841 b VDE-33



1850 VDE-44



2156 VDE-2

HAZET No.	H x W x D mm	kg		EAN-No. 4000896+
150/43	310x460x190	11	43	173204

1520 Tool case

- "Slim-Line" – only 105 mm high
- For universal applications, e.g. for hobby, house and garden
- Clear and reliable tool arrangement
- Inserts with clamping effect – tools cannot fall down
- Covered compartment for small parts



450 N • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



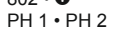
760-2



802 • 0.8x4 • 1x5.5 • 1.2x6.5



802 • PH 1 • PH 2



802 • PZ 2



839 • 0.5x2.8



880 • 8 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22



8816 P • 8821 • 8821-3 • 8821-6



8821 • 8821-3 • 8821-6



8821-3 • 8821-6



8821-6



1803-22



1979-71



1981



2100 • 2 • 2.5 • 3 • 4 • 5 • 6 • 7 • 8



2115/8 KH • 2140-50



2140-50



2154-2



2157



2158

HAZET No.	H x W x D mm	kg		EAN-No. 4000896+
1520/56	105x445x360 mm	6.01	56	111183

150 Tool set for hybrid and electric vehicles

• In trolley case



Joint development with one of the leading car manufacturer and in accordance with the German TÜV SÜD

Trolley case:

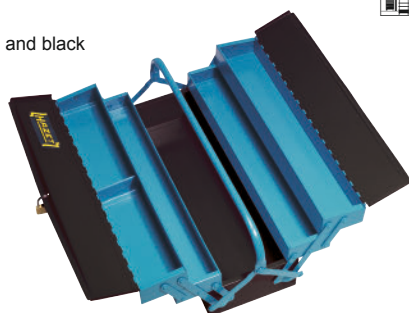
- With 4-position telescopic slide-out from 950–1,150 mm
- Capacity: up to 40 kg
- Pushing or pulling is possible
- Rubberised, bearing big castors
- Tilt-resistant due to wide wheelbase
- Sturdy case made of break-proof X-ABS
- With double aluminium frame
- Sturdy tool boards
- In addition, the set contains:
- 5 end caps each Ø 10 mm and 20 mm
- 2 warning signs "Hybrid", "Hybrid switch"
- 500 m barrier tape (width 50 mm)





190 L Metal tool box, empty

- 5 compartments, with padlock
- Sturdy and blue/black design
- Stove-enamelled, HAZET-BLUE and black



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
190 L	245x575x210	5.2	007462

190 L Plastic tool box

Made in Germany

Mobile workplace

- For professionals and demanding hobbyists
- Very sturdy design
- Compact dimensions with highest possible storage capacity
- Safe carrying due to tough aluminium handle
- Sturdy aluminium latches
- Two folding-down trays
- Plastic, HAZET-BLUE / black



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
190 L-2	215x470x250	2.41	150533
190 L-3	270x550x250	3.37	133987

190 L Plastic tote tray

Made in Germany

- Open and practical
- With metre/inch scale at the top
- Suitable for transporting liquids and cans
- Rugged aluminium handle
- Solvent resistant plastic material, HAZET-BLUE
- Stackable



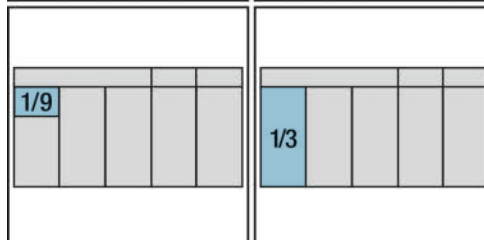
HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
190 L-1	215x396x294	0.71	133901

165 SmartCase-Tool Box

Made in Germany

• Modern two-coloured design HAZET-BLUE / black

- Bottom of case with pull-out kickstand to prop-up the case, for fast and ergonomic tool access
- Cover may be used as a work surface for the tools or for small parts
- Sturdy ABS plastic – lighter than sheet metal box



HAZET No.	H x W x D mm	kg	EAN-No. 4000896+
165-S	185x153x52	0.6	167784
165-L	355x235x65	0.9	167777

- Suitable for all 1/9 Safety-Insert-System 2-component soft foam inserts from the HAZET range
- Suitable for all 1/3 Safety-Insert-System 2-component soft foam inserts from the HAZET range
- With carrying handle



General workshop equipment

Tool Assortments



Tool Assortments

0-174 Tool assortment

- For **automotive** and **industrial** companies
- Tool hangers included



163-57/56 • 1/2, 1/4
O, 1/2, 1/4, 1/8



850 • 1/4 • 1/8
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 1/4 • 1/8
3 • 4 • 5 • 6 • 8



8503 • 1/4 • 1/8
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/4 • 1/8
PH 1 • PH 2



8507 • 1/4 • 1/8
PZ 1 • PZ 2



863 P • 1/4



865 • 1/4



866 U • 1/4



867-2 • 1/4 • 1/8



868 • 1/4 • 1/8



869 • 1/4 • 1/8



900 • 1/2 • 1/4
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • 1/2



916 SP • 1/2



917-5 • 1/2 • 1/4



918-10 • 1/2 • 1/4



920 • 1/2 • 1/4



428 • 1/2
10 • 12 • 13



450 N/12 N RS • 1/2



450 N • 1/2
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x27 • 25x28 • 30x32



600 N • 1/2
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20
21 • 22 • 23 • 24 • 25
26 • 27 • 28 • 30 • 32



630 • 1/2
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x26 • 25x28 • 30x32



730
730-3 • 730-6



746-1
748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6



757
757-10 • 757-12



760 N
760 N-1 • 760 N-2



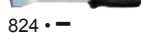
803 • 1/2
0.4x2 • 0.6x3.5
1x5.5 • 1.6x10



803 • 1/2
PH 1 • PH 2



803 • 1/2
PZ 1 • PZ 2



824 • 1/2



1803-22



1841 a-22



1952-35



1976



1980 N



1981



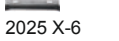
2025 X



2025 X-06



2025 X-5



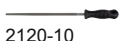
2025 X-6



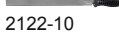
2100/7 R • 1/2



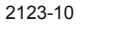
2100 • 1/2
2 • 2.5 • 3 • 4 • 5 • 6 • 8



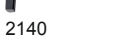
2120-10



2122-10



2123-10



2140
2140-20 • 2140-50



2154-2



2160



6000-1 CT • 1/2
6122-1 CT



HAZET
No.

0-174/151



151

EAN-No.
4000896+

000173



0-178 Tool assortment

- Safety-Insert-System, 2-component soft foam insert.
- Insert also suitable for HAZET Assistant



163-30/25 • •



600 N •

6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-31/27 • • •



730
730-3 • 730-6



746-1



748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6



760-2



801 K •
1x5.5



801 K •
PH 2



803 •
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



803 •
PH 1 • PH 2



803 •
T 10 • T 15 • T 20
T 25 • T 30



1802 M-22



1841 M b-33



1850 M-22



2140-50



163-57/56 • 1/2 • 1/4
O, • • •



850 • 1/4 •
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 1/4 •
3 • 4 • 5 • 6 • 8



8503 • 1/4 •
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/4 •
PH 1 • PH 2



8507 • 1/4 •
PZ 1 • PZ 2



863 P • 1/4



865 • 1/4



866 U • 1/4



867-2 • 1/4 • 1/4



868 • 1/4 • 1/4



869 • 1/4 • 1/4



900 • 1/2 •
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • 1/2



916 SP • 1/2



917-5 • 1/2 • 1/2



918-10 • 1/2 • 1/2



920 • 1/2 • 1/2



2128-1



2240 N/36



• • • • •



2204 • 1/4 •
3 • 4 • 5 • 6



2208 • 1/4 •
0.6x4.5 • 0.8x5.5 • 1x6



2215 • 1/4 •
PH 1 • PH 2 • PH 3



2216 • 1/4 •
PZ 1 • PZ 2 • PZ 3



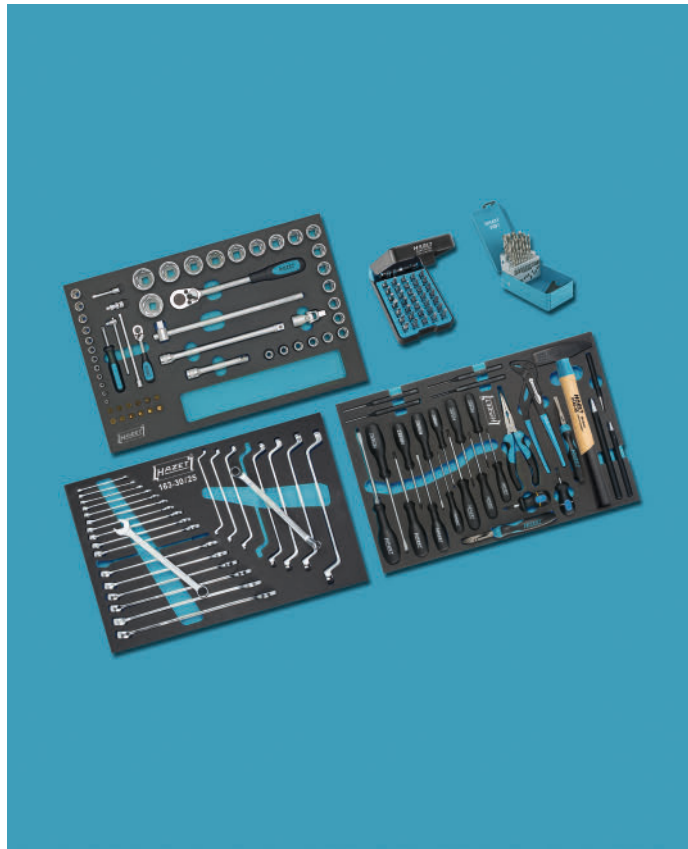
2223 • 1/4 •
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 1/4 •
T 20H • T 30H



2239-6 • 1/4 • 1/4





General workshop equipment

Tool Assortments



0-179 Tool assortment

• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistent



163-138/77 • 1/2, 3/4
O, O, O, O, O, O



850 • 1/4 • O
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 LG • 1/4 • O
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13



858-1 • 1/4 • 10 3/8



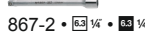
863 P • 1/4



865 • 1/4



866 U • 1/4



867-2 • 1/4 • 1/4



868 • 1/4 • 1/4



869 • 1/4 • 1/4



8501 • 1/4 • O
3 • 4 • 5 • 6 • 8



8503 • 1/4 • O
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/4 • O
PH 1 • PH 2



8507 • 1/4 • O
PZ 1 • PZ 2



900 • 1/2 • O
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32



903 SLG • 1/2 • O
17 • 19



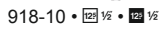
915 • 1/2



916 SP • 1/2



917-5 • 1/2 • 1/2



918-10 • 1/2 • 1/2



919-1 • 1/2 • 1/2



920 • 1/2 • 1/2



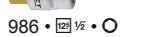
958-1 • 1/2 • 1/2



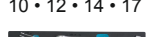
958-2 • 1/2 • 1/2



986 • 1/2 • O
5 • 6 • 7 • 8
10 • 12 • 14 • 17



163-140/33 • O, O, O



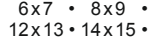
450 N • O
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



600 N • O
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



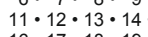
630 • O
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



802 • O
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12



802 • O
PH 1 • PH 2 • PH 3



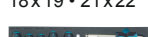
801 K • O
1x5.5



801 K • O
PH 2



803 • O
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



2105 Lg/9 H • O



163-143/18 • O



426 • O
6 • 7



612 N • O
10x11



730
730-3 • 730-6



746-1



748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8



824 • O



1952-40



2140-40



2152/3



2154 N-5



4968-2



2128-1



2240 N/36
O, O, O, O, O, O, O, O



2204 • O
3 • 4 • 5 • 6



2208 • O
0.6x4.5 • 0.8x5.5 • 1x6



2215 • O
PH 1 • PH 2 • PH 3



2216 • O
PZ 1 • PZ 2 • PZ 3



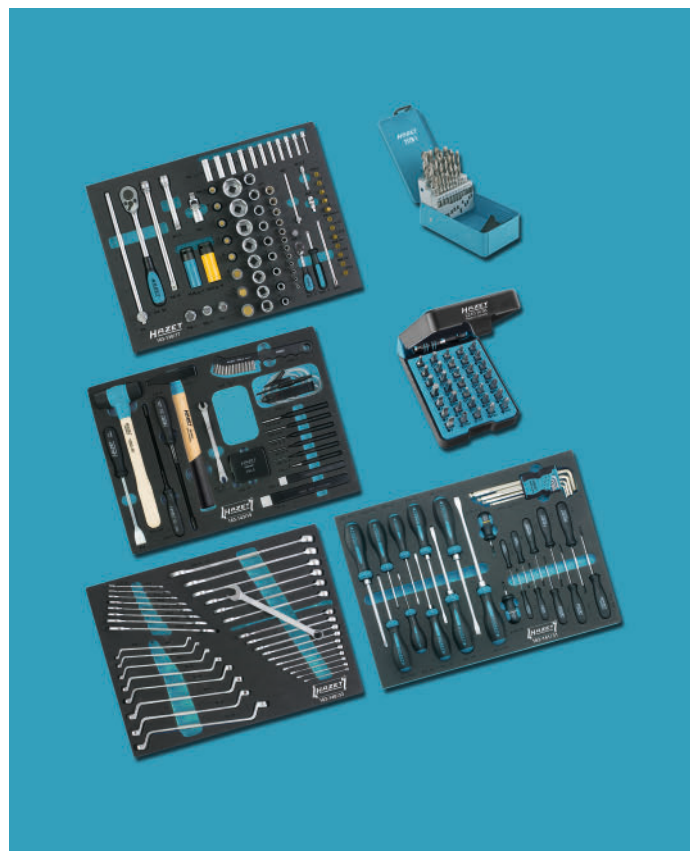
2223 • O
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • O
T 20H • T 30H



2239-6 • O



HAZET
No.

0-179/220



220

EAN-No.
4000896+

168439



0-179 Tool assortment

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1845
163-124/4



1845 A-19



1845 B-19



1845 C-19



1845 D-19



163-131/8
6.3 1/4, 10 3/8, 12 1/2, 20 3/4



858-1 • 6.3 1/4 • 10 3/8



8858-1 • 10 3/8 • 12 1/2



8858-2 • 10 3/8 • 6.3 1/4



903 SLG • 12 1/2 • 17 • 19



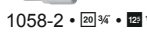
958-1 • 12 1/2 • 20 3/4



958-2 • 12 1/2 • 10 3/8



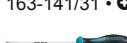
1058-2 • 20 3/4 • 12 1/2



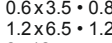
163-141/31 • 6.3, 10, 12, 20



163-141/31 • 6.3, 10, 12, 20



802 • 0.6x3.5 • 0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8 • 1.6x10 • 2x12



802 • PH 1 • PH 2 • PH 3



801 K • 1x5.5



801 K • PH 2



801 K • PH 2



803 • T 6 • T 7 • T 8 • T 9 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30



2105 Lg/9 H • 10



163-172x50



163-181/17 • 10 3/8 • 12



880 • 10 3/8 • 12

10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22



8816 P • 10 3/8



8820 • 10 3/8 • 12



8821 • 10 3/8 • 12



8821-3 • 8821-6 • 8821-10



163-192/24 • 12 1/2, 6.3 1/4



850 E • 6.3 1/4 • E 5 • E 6 • E 7 • E 8 • E 10



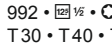
8502 • 6.3 1/4 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30 • T 40



900 E • 12 1/2 • E 10 • E 12 • E 14 • E 16 • E 18 • E 20



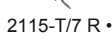
992 • 12 1/2 • T 30 • T 40 • T 45 • T 50 • T 55



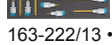
2115-T/7 R • 10



163-222/13 • 12 1/2 • 10, 12



986 KK • 12 1/2 • 5 • 6 • 7 • 8 • 10



990 • 12 1/2 • M 5 • M 6 • M 8 • M 10 • M 12



990 LG • 12 1/2 • M 8



990 SLG • 12 1/2 • M 10 • M 12



163-224/57 • 12 1/2, 6.3 1/4, 6.3 1/4



810 SPC-6.3 • 6.3 1/4



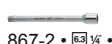
850 • 6.3 1/4 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13



863 P • 6.3 1/4



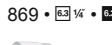
867-2 • 6.3 1/4 • 6.3 1/4



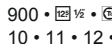
868 • 6.3 1/4 • 6.3 1/4



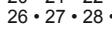
869 • 6.3 1/4 • 6.3 1/4



900 • 12 1/2 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 23 • 24 • 26 • 27 • 28 • 30 • 32



915 • 12 1/2



916 SP • 12 1/2



917-5 • 12 1/2 • 12 1/2



918-10 • 12 1/2 • 12 1/2



920 • 12 1/2 • 12 1/2



2204 • 6.3 1/4 • 3 • 4 • 5 • 6 • 8



2208 • 6.3 1/4 • 0.6x4.5 • 1x6 • 1.2x6.5



2215 • 6.3 1/4 • PH 1 • PH 3



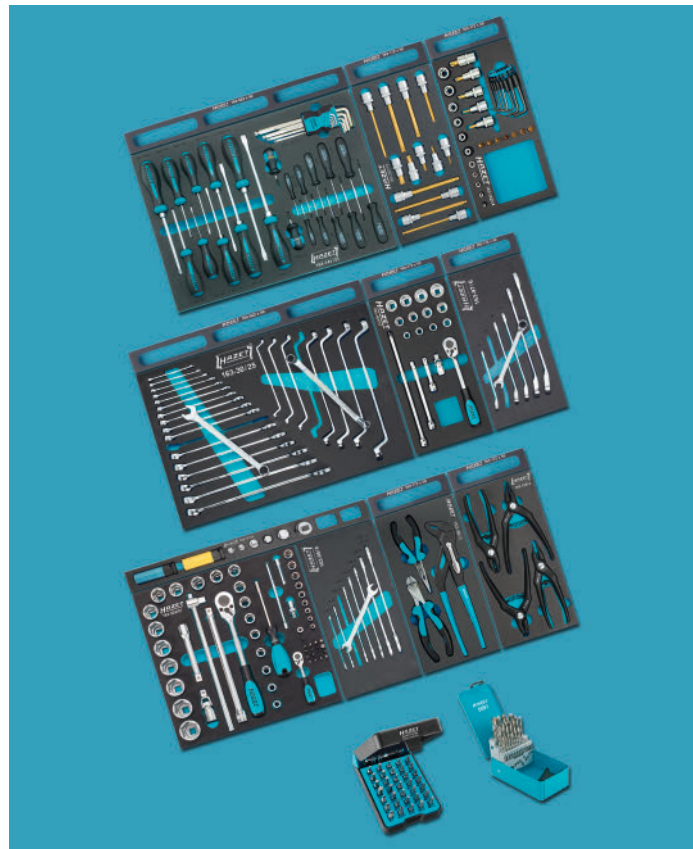
2216 • 6.3 1/4 • PZ 1 • PZ 2



2223 • 6.3 1/4 • T 15 • T 20 • T 25 • T 30



2250-1 • 6.3 1/4 • 6.3 1/4



2304 • 6.3 1/4 • 6.3 1/4



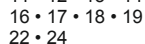
163-30/25 • 6.3 1/4



600 N • 6



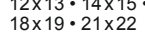
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24



630 • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



163-522x50



450 N • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



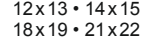
163-95/8



2128-1



450 N • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



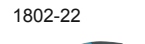
163-96/3



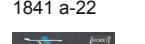
760-2



1802-22



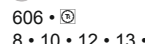
1841 a-22



606 • 163-97/6



606 • 8 • 10 • 12 • 13 • 17 • 19



2128-1



2239-6 • 6.3 1/4 • 6.3 1/4



2240 N/36



2204 • 6.3 1/4 • 3 • 4 • 5 • 6 • 8



2208 • 6.3 1/4 • 0.6x4.5 • 1x6 • 1.2x6.5



2215 • 6.3 1/4 • PH 1 • PH 3



2216 • 6.3 1/4 • PZ 1 • PZ 2



2223 • 6.3 1/4 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30 • T 40



2223 • 6.3 1/4 • T 20 H • T 30 H



2239-6 • 6.3 1/4 • 6.3 1/4



General workshop equipment

Tool Assortments



0-7 Tool assortment

Mechanic's basic assortment for car repairs

Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant



163-57/56 • 12 1/2 • 13 1/4
O, 1/2, 3/4, 1



850 • 1/4 • 1/2
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 1/4 • 1/2
3 • 4 • 5 • 6 • 8



8503 • 1/4 • 1/2
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/4 • 1/2
PH 1 • PH 2



8507 • 1/4 • 1/2
PZ 1 • PZ 2



863 P • 1/4



865 • 1/4



866 U • 1/4



867-2 • 1/4 • 1/2 • 3/4



868 • 1/4 • 1/2 • 3/4



869 • 1/4 • 1/2 • 3/4



900 • 1/2 • 3/4
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



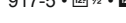
915 • 1/2



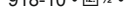
916 SP • 1/2



917-5 • 1/2 • 3/4 • 1



918-10 • 1/2 • 3/4 • 1



920 • 1/2 • 3/4



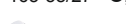
163-58/27 • 1/2, 3/4, 1



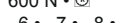
600 N • 1/2



6 • 7 • 8 • 9 • 10



11 • 12 • 13 • 14 • 15



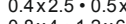
16 • 17 • 18 • 19 • 21



22 • 24



803 • 1/2



0.4x2.5 • 0.5x3 • 0.6x3.5



0.8x4 • 1.2x6.5 • 1.2x8



803 • 1/2



PH 1 • PH 2



801 K • 1/2



1x5.5



801 K • 1/2



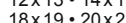
PH 2



163-59/12 • 1/2



630 • 1/2



6x7 • 8x9 • 10x11



12x13 • 14x15 • 16x17



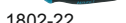
18x19 • 20x22 • 21x23



760-2



1802-22



1841 a-22



163-60/22 • 1/2



730



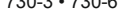
730-3 • 730-6



746-1



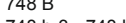
748 B



748 b-3 • 748 b-4



748 b-5 • 748 b-6



824 • 1/2



1952-35



1976



2105 Lg/9 H • 1/2



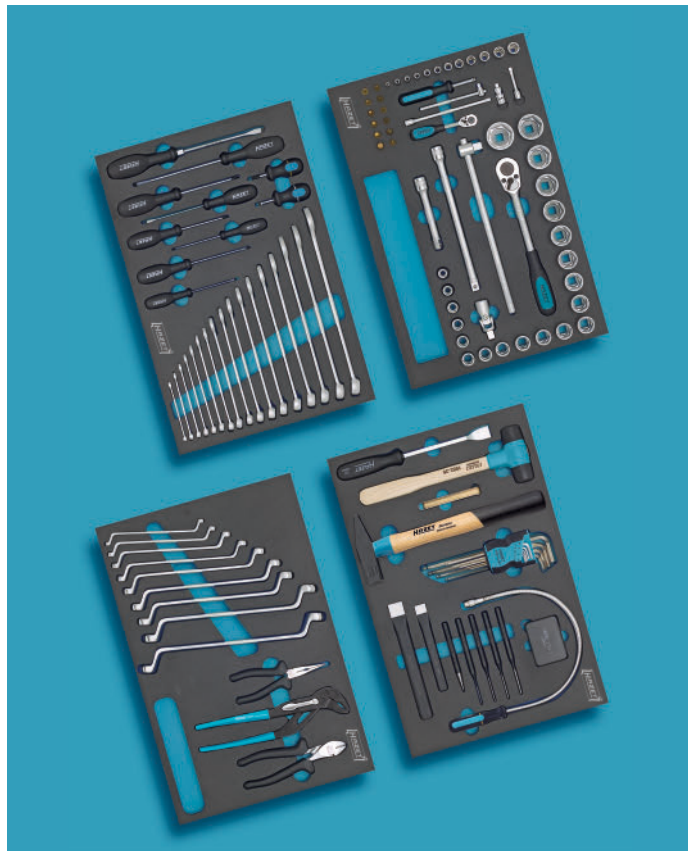
2140-50



2147 MS



2154-2





0-13 Tool assortment

• Tool assortment for industry



279 • 279-6 • 279-10



450 N • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32



630 • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32



730
730-3 • 730-6



740-3



745 A
745 a-2 • 745 a-4



746-2



760 N
760 N-1 • 760 N-2
760 N-3



803 • 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1x5.5 • 1.2x8
1.6x10



803 • PH 1 • PH 2 • PH 3



803 • PZ 1 • PZ 2



850 • 4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 3 • 4 • 5 • 6 • 8



8503 • 0.6x3.5 • 1x5.5 • 1.2x8



8506 • PH 1 • PH 2



8507 • PZ 1 • PZ 2



863 P • 865 U • 867-2 • 868 • 869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



865 • 866 U • 867-2 • 868 • 869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



866 U • 867-2 • 868 • 869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



867-2 • 868 • 869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



868 • 869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



869 • 900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



900 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 26 • 27 • 28 • 30 • 32 • 34



915 • 916 SP • 917-5 • 918-10 • 920 • 1802 M-22 • 1841 M a-33 • 1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



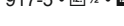
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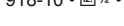
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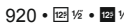
917-5 • 918-10 • 920 • 1802 M-22 • 1841 M a-33 • 1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



918-10 • 920 • 1802 M-22 • 1841 M a-33 • 1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



920 • 1802 M-22 • 1841 M a-33 • 1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



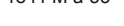
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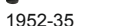
1841 M a-33 • 1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



1952-35 • 1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



1980 N • 1981 • 2140-50 • 2154-2 • 2157-1



1981 • 2140-50 • 2154-2 • 2157-1



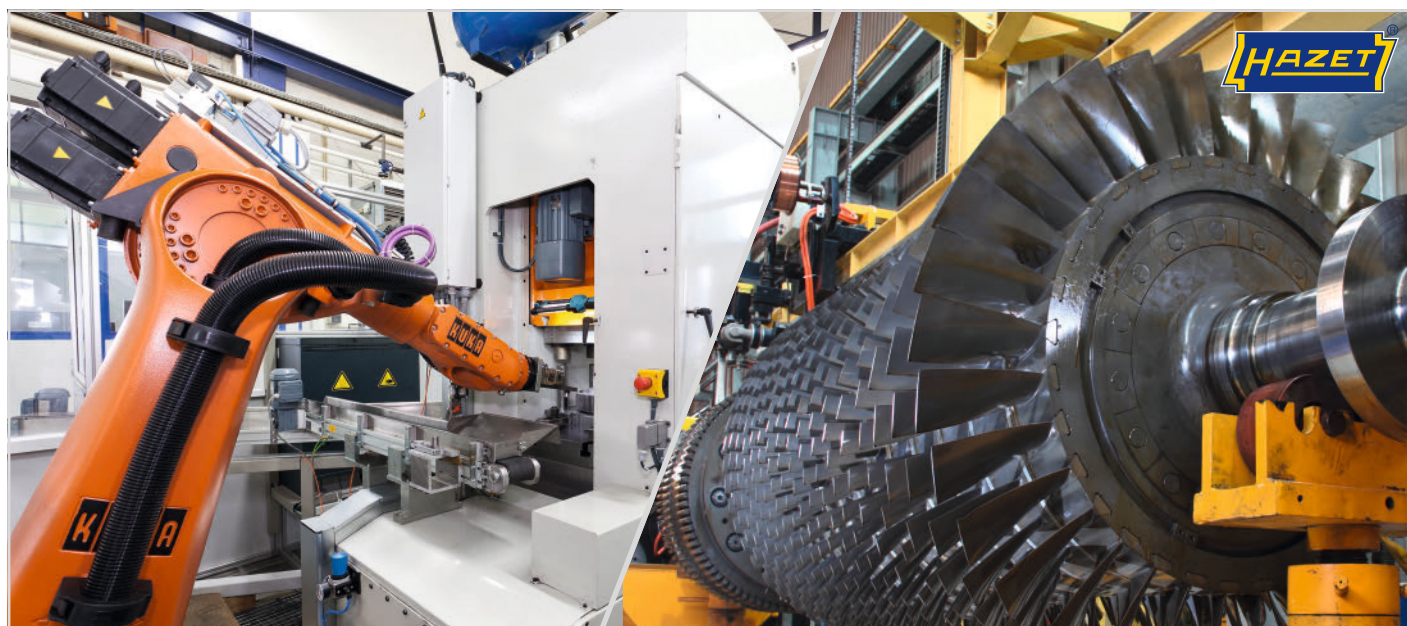
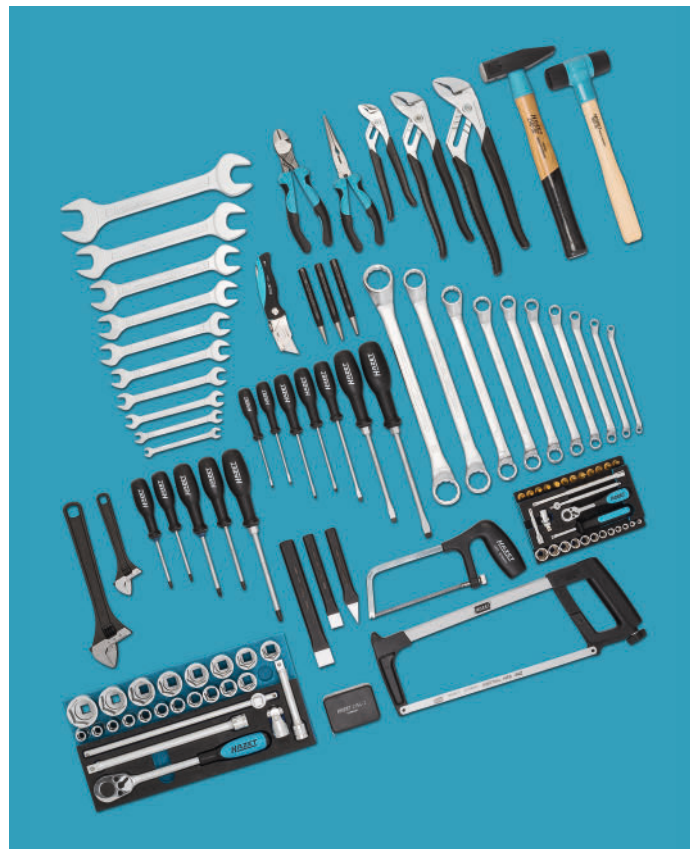
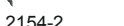
2140-50 • 2154-2 • 2157-1



2154-2 • 2157-1



2157-1



Partner of Industry!



General workshop equipment

Tool Assortments

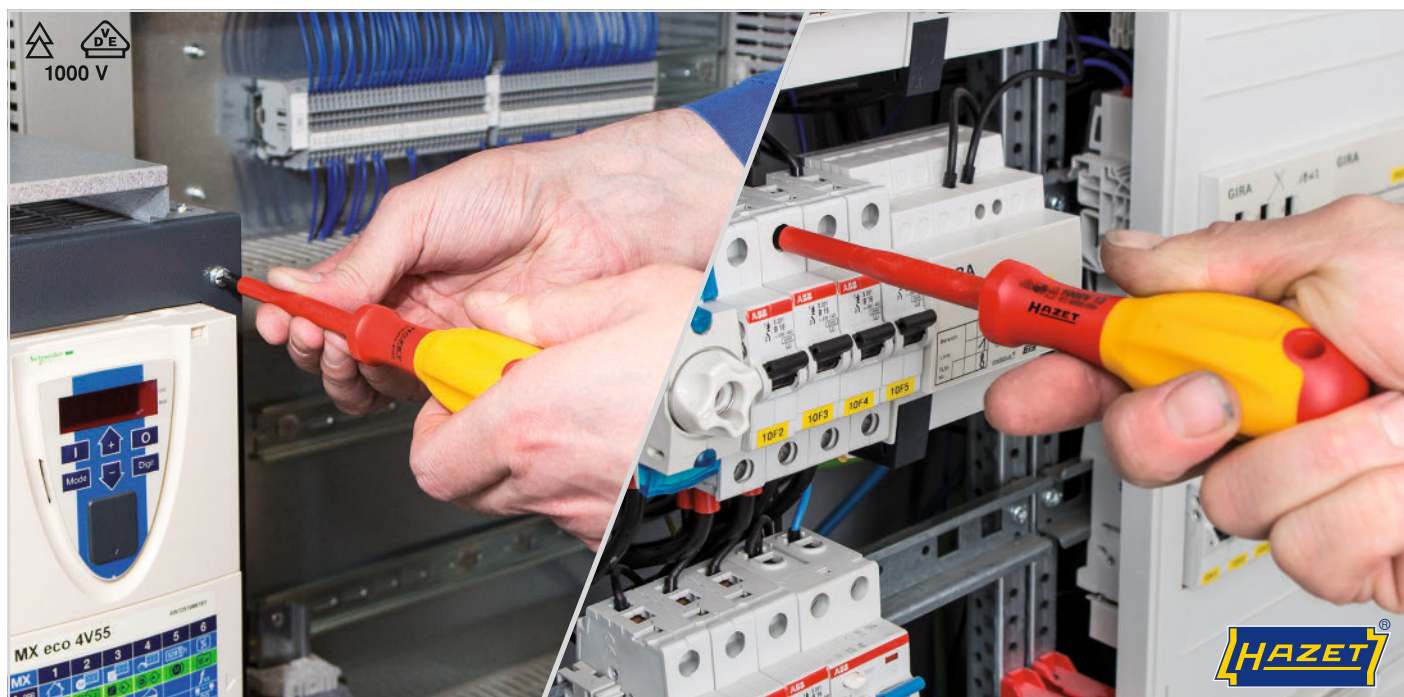


0-20 Tool assortment VDE

• Tool assortment for electricians



810 VDE • 0.4x2.5 • 0.6x3.5 • 0.8x4	1816 VDE-22	1850 VDE-22
810 VDE • PH 1 • PH 2	1826 VDE-22	1862
839 • 0.5x2.8	1841 a VDE-22	2154 N-3
1803 VDE-33	1841 b VDE-33	



HAZET
No.

0-20/14



14

EAN-No.
4000896+

192526



0-2500 Standard assortment for AUDI

Standard assortment for AUDI

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



163-30/25 • 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24



600 N • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24



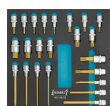
630 • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22



163-97/6 • 8 • 10 • 12 • 13 • 17 • 19



606 • 8 • 10 • 12 • 13 • 17 • 19



163-119/23 • 1/2 • 1/4 • 1/8 • 1/16 • 1/32 • 1/64 • 1/128 • 1/256 • 1/512 • 1/1024 • 1/2048 • 1/4096 • 1/8192 • 1/16384 • 1/32768 • 1/65536 • 1/131072 • 1/262144 • 1/524288 • 1/1048576 • 1/2097152 • 1/4194304 • 1/8388608 • 1/16777216 • 1/33554432 • 1/67108864 • 1/134217728 • 1/268435456 • 1/536870912 • 1/1073741824 • 1/2147483648 • 1/4294967296 • 1/8589934592 • 1/17179869184 • 1/34359738368 • 1/68719476736 • 1/137438953472 • 1/274877906944 • 1/549755813888 • 1/1099511627776 • 1/2199023255552 • 1/4398046511104 • 1/8796093022208 • 1/17592186044416 • 1/35184372088832 • 1/70368744177664 • 1/140737488355328 • 1/281474976710656 • 1/562949953421312 • 1/1125899906842624 • 1/2251799813685248 • 1/4503599627370496 • 1/9007199254740992 • 1/18014398509481984 • 1/36028797018963968 • 1/72057594037927936 • 1/144115188075855872 • 1/288230376151711744 • 1/576460752303423488 • 1/1152921504606846976 • 1/2305843009213693952 • 1/4611686018427387904 • 1/9223372036854775808 • 1/18446744073709551616 • 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General workshop equipment

Tool Assortments



0-2500 Supplementary tool assortment for AUDI

• Supplementary tool assortment for AUDI

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

Ⓔ



163-95/8 • ●



450 N • ●
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-121/4



755-10 A



1802 M-33



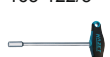
1803 M-11



1841 M a-11



163-122/3 • ●



428 • ●
8 • 10 • 13



1845
163-124/4



1845 A-19



1845 B-19



1845 C-19



1845 D-19



163-131/8
6.3 1/4, 10 3/8, 22 1/2, 20 3/4



858-1 • 10 3/8 • 10 3/8



8858-1 • 10 3/8 • 12 1/2



8858-2 • 10 3/8 • 6.3 1/4



903 SLG • 12 1/2 • 17 • 19



958-1 • 12 1/2 • 20 3/4



958-2 • 12 1/2 • 10 3/8



1058-2 • 20 3/4 • 12 1/2



163-172x50



163-181/17 • 10 3/8 • 10 3/8



880 • 10 3/8 • 10 3/8



10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



8816 P • 10 3/8



8820 • 10 3/8 • 10 3/8



8821 • 10 3/8 • 10 3/8



8821-3 • 8821-6 • 8821-10



426 • ●



8



450 N • ●



24x27 • 30x32



803 • ●
T 15 • T 20 • T 25 • T 30



828 • ●

T 45



880 G/10 H • 10 3/8 • 10 3/8



880 G • 10 3/8 • 10 3/8



10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



880 TZ/10 H • 10 3/8 • 10 3/8



880 TZ • 10 3/8 • 10 3/8



10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



8822 • 10 3/8 • 10 3/8



8822-1 • 8822-10 • 8822-3



900 SZ • 12 1/2 • 17 • 19



32 • 36



918-23 • 12 1/2 • 12 1/2



1015/2 • 20 3/4



1014



1015-1 • 20 3/4



2211 • 1/4 • 1/4



M 4 • M 5



2212 • 1/4 • 1/4



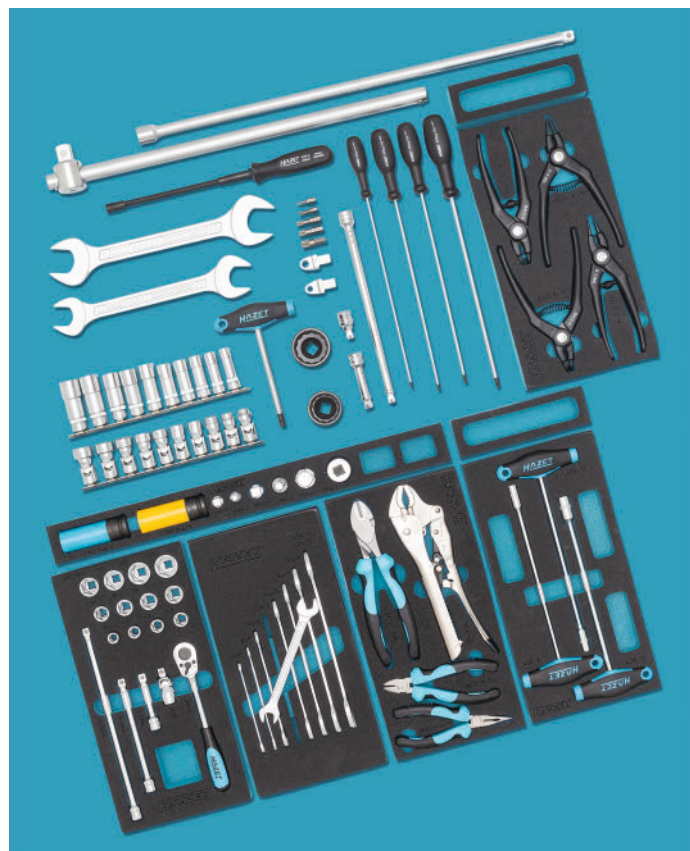
M 6 • M 8 • M 10



6420 b • 1/4 • 1/4



6420 c • 1/4 • 1/4



HAZET
No.

0-2500-163/86



86

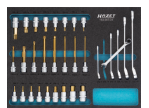
EAN-No.
4000896+

179503

0-2500 Standard tool assortment for VW AUDI

• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

Assistant



163-367/31 • 12 1/2
O, O, O



606 • 8 • 10 • 12 • 13 • 17 • 19



986 • 12 1/2 • O
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • 12 1/2 • O
6 • 7 • 8 • 10



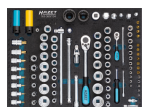
990 • 12 1/2 • O
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18



990 LG • 12 1/2 • O
M 8 • M 14



990 SLG • 12 1/2 • O
M 10 • M 12



163-369/104
1/4, 1/2, 3/4, 1
O, O, O, O, O, O, O, O



850 • 1/4 • O
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 E • 1/4 • O
E4 • E5 • E6 • E7 • E8



8501 • 1/4 • O
3 • 4 • 5 • 6



8502 • 1/4 • O
T 10 • T 15 • T 20
T 25 • T 27



8503 • 1/4 • O
1 x 5.5



8506 • 1/4 • O
PH 1 • PH 2



858-1 • 1/4 • 10 3/4



863 P • 1/4



866 U • 1/4



867 • 1/4 • 1/4
867-2 • 867-4



868 • 1/4 • 1/4



869 • 1/4 • 1/4



8858-1 • 10 3/4 • 12 1/2



8858-2 • 10 3/4 • 1/4



900 • 12 1/2 • O
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32



900 E • 12 1/2 • O
E 10 • E 12 • E 14
E 16 • E 18 • E 20



900 SZ • 12 1/2 • O
32 • 36



900 Z • 12 1/2 • O
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32



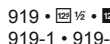
903 SLG • 12 1/2 • O
17 • 19



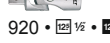
915 • 12 1/2



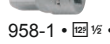
916 SP • 12 1/2



919 • 12 1/2 • 12 1/2
919-1 • 919-5 • 919-10



920 • 12 1/2 • 12 1/2



958-1 • 12 1/2 • 20 3/4



958-2 • 12 1/2 • 10 3/4



992 • 12 1/2 • O
T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60



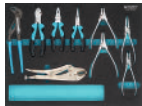
1058-2 • 20 3/4 • 12 1/2



2223 • 1/4 • O
T 6 • T 7 • T 8 • T 9



2250-1 • 1/4 • 1/4



163-370/9



757-10



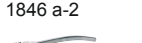
760-2



1802-22



1841 a-22



1846 a-2



1846 b-2



1846 c-2



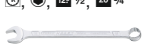
1846 d-2



1850-22



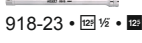
163-371/7
1/4, 1/2, 3/4, 1



600 N • 27 • 30 • 32



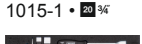
650-20



918-23 • 12 1/2 • 12 1/2



1014



1015-1 • 20 3/4



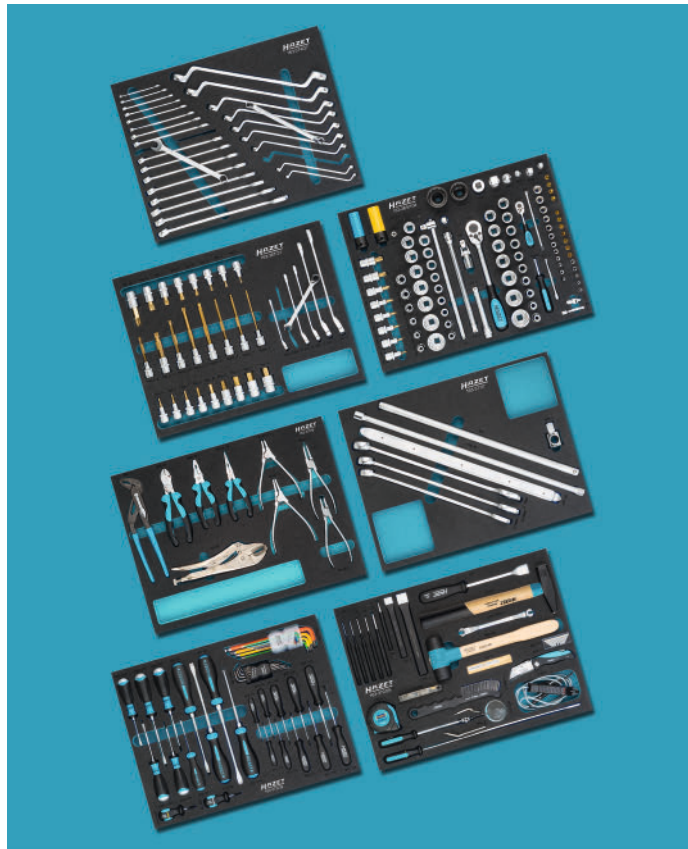
163-372/25 • O



612 N • 10 x 11



666-5



730
730-3 • 730-6



746-1



748 B

748 b-3 • 748 b-4

748 b-5 • 748 b-6

748 b-8



824 • -



1952-40



1976-2



1977-2/4



2140-40



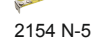
2147 MS



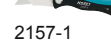
2152/3



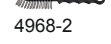
2154 N-5



2157-1



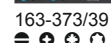
4968-2



163-373/39
1/4, 1/2, 3/4, 1



801 K • 1 x 5.5



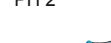
801 K • PH 2



802 • 0.6 x 3.5 • 1.2 x 8
1.6 x 10 • 2 x 12



802 • PH 3



802 • PH 3



803 • O
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



810 U-1/5 • O



2105 LG/9 HC • O



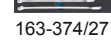
2116 Lg/8 H • O



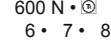
163-374/27 • O



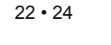
600 N • O



6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • O



6 x 7 • 8 x 9 • 10 x 11
12 x 13 • 14 x 15 • 16 x 17
18 x 19 • 21 x 22 • 24 x 27
30 x 32



General workshop equipment

Tool Assortments



0-2500 Supplementary tool assortment for AUDI for 179 XL-8-VW/243

• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

Assistant®



163-375/5 • ●



1802 M-33



1803 M-11



1841 M a-11



1841 M b-33



1850 M-33



450 N • ●

163-377/11



450 N • ●

6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x27 • 30x32



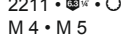
163-378/11

● 1/4", ● 3/8", ● 1/2", ● 3/4", ● 1", ● 1 1/2", ● 2", ● 2 1/2", ● 3"



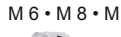
426 • ●

6 • 7 • 8



2211 • ● 1/4" • ○

M 4 • M 5

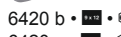


2212 • ● 3/8" • ○

M 6 • M 8 • M 10



2250-5 • ● 1/2" • ● 3/4"



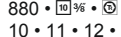
6420 b • ● 1/4" • ● 3/8"



6420 c • ● 1/4" • ● 3/8"



163-379/38 • ● 3/8" • ● 1/2" • ● 3/4" • ● 1"

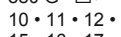


880 • ● 3/8" • ● 1/2"

10 • 11 • 12 • 13

14 • 15 • 16 • 17

18 • 19 • 21 • 22



880 G • ● 3/8" • ● 1/2"

10 • 11 • 12 • 13 • 14

15 • 16 • 17 • 18 • 19



880 Z • ● 3/8" • ● 1/2"

10 • 11 • 12 • 13 • 14

15 • 16 • 17 • 18 • 19



8816 P • ● 1/2" • ● 3/4"



8820 • ● 3/8" • ● 1/2" • ● 3/4"

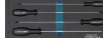


8821-6 • ● 3/8" • ● 1/2" • ● 3/4"

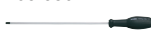


8822 • ● 3/8" • ● 1/2" • ● 3/4"

8822-1 • 8822-3 • 8822-10



163-380/4 • ●

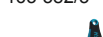


803 • ●

T 15 • T 20 • T 25 • T 30

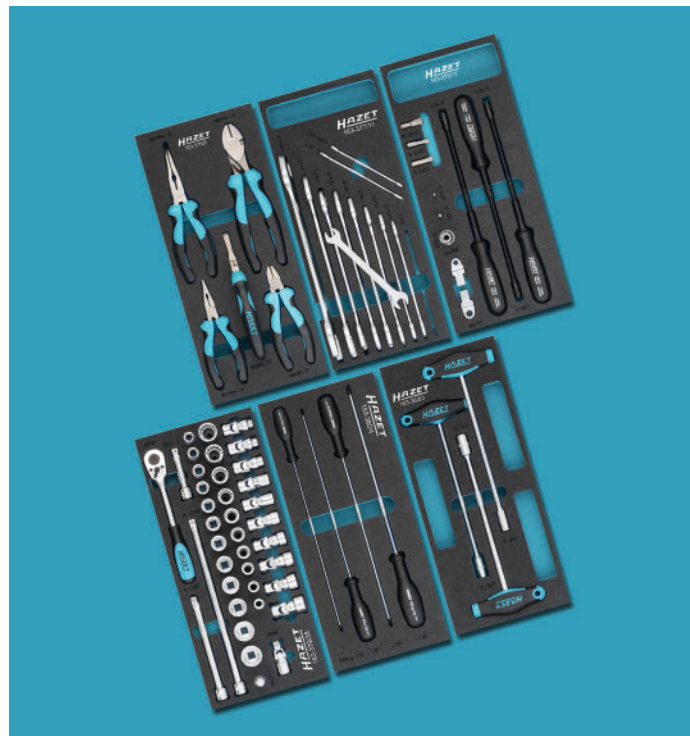


163-382/3 • ●



428 • ●

8 • 10 • 13



HAZET

No.

0-2500-163/72



72

EAN-No.

4000896+

196876

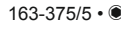
0-2500 Supplementary tool assortment for VW for 179 XL-8-VW/243

• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

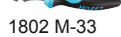
Assistant®



163-375/5 • ●



1802 M-33



1803 M-11



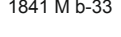
1841 M a-11



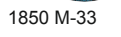
1841 M b-33



1850 M-33



163-376/54 • ● 1/4" • ● 3/8" • ● 1/2" • ● 3/4" • ● 1" • ● 1 1/2" • ● 2" • ● 2 1/2" • ● 3"



2240 N/36

● 1/4", ● 3/8", ● 1/2", ● 3/4", ● 1", ● 1 1/2", ● 2", ● 2 1/2", ● 3"



850 TZ • ● 1/4" • ● 3/8" • ● 1/2"

8



863 BK • ● 1/4"



900 TZ • ● 1/2" • ● 3/4" • ● 1"

10 • 12 • 13 • 14 • 15

16 • 17 • 18 • 19



916 K • ● 1/2"



992 H • ● 1/2" • ● 3/4"

T 30 H • T 40 H • T 45 H

T 50 H • T 55 H



163-382/3 • ●



428 • ●

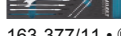
8 • 10 • 13



2304 • ● 1/4" • ● 3/8" • ● 1/2"



163-377/11 • ●



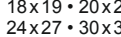
450 N • ●

6x7 • 8x9 • 10x11

12x13 • 14x15 • 16x17

18x19 • 20x22 • 21x23

24x27 • 30x32

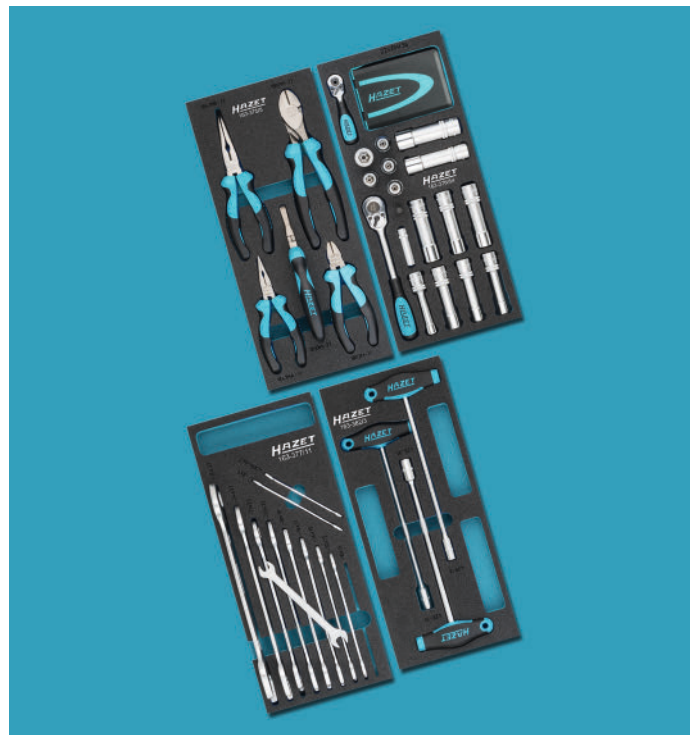


163-382/3 • ●



428 • ●

8 • 10 • 13



HAZET

No.

0-2500-163/73



73

EAN-No.

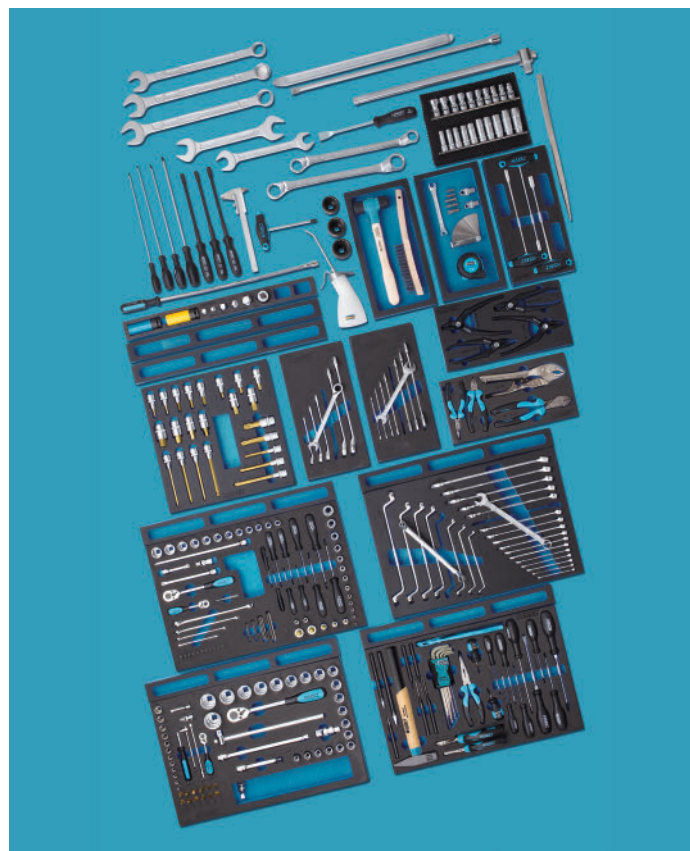
4000896+

196883

0-2700 MERCEDES-BENZ tool assortment

- Assortment for MERCEDES-BENZ passenger cars
- Safety-Insert-System, 2-component soft foam insert.
- Insert also suitable for HAZET Assistant

 Assistant® E



HAZET – Official tool supplier of Mercedes-Benz Global TechMasters



General workshop equipment

Tool Assortments



0-2700 MERCEDES-BENZ tool assortment



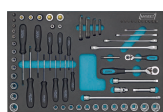
163-30/25 • 1/2 • 1/4 • 1/8



600 N • 1/2 • 1/4 • 1/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 • 1/2 • 1/4 • 1/8
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-53/75
1/2 • 1/4 • 1/8 • 1/16
1/2 • 1/4 • 1/8 • 1/16



609 • 1/2 • 1/4 • 1/8
E 6xE 8 • E10xE12
E14xE18 • E20xE24



803 • 1/2 • 1/4 • 1/8
T 6 • T 7 • T 8 • T 9
T10 • T15 • T20 • T25
T27 • T30



850 E • 1/2 • 1/4 • 1/8
E4 • E5 • E6 • E7 • E8



880 • 1/2 • 1/4 • 1/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



880 E • 1/2 • 1/4 • 1/8
E10 • E11 • E12 • E14



8802 • 1/2 • 1/4 • 1/8
T40 • T45



8816 P • 1/2 • 1/4 • 1/8



8820 • 1/2 • 1/4 • 1/8
8821 • 1/2 • 1/4 • 1/8
8821-3 • 8821-6 • 8821-10



8821 • 1/2 • 1/4 • 1/8
8821-3 • 8821-6 • 8821-10



900 E • 1/2 • 1/4 • 1/8
E16 • E18 • E20 • E24



992 • 1/2 • 1/4 • 1/8
T50 • T55 • T60



2115 • 1/2 • 1/4 • 1/8
T 6 • T 7 • T 8 • T 9
T10 • T15 • T20 • T25
T27 • T30 • T40



2223 • 1/2 • 1/4 • 1/8
T6



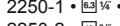
2223 • 1/2 • 1/4 • 1/8
T 7H • T 8H • T 9H
T10H • T15H • T20H
T25H • T27H • T30H
T40H



2223 LG • 1/2 • 1/4 • 1/8
T25



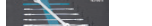
2250-1 • 1/2 • 1/4 • 1/8
2250-2 • 1/2 • 1/4 • 1/8



2264 • 1/2 • 1/4 • 1/8



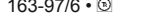
163-95/8 • 1/2 • 1/4 • 1/8



450 N • 1/2 • 1/4 • 1/8
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-97/6 • 1/2 • 1/4 • 1/8



606 • 1/2 • 1/4 • 1/8
8 • 10 • 12 • 13 • 17 • 19



163-118/57 • 1/2 • 1/4 • 1/8
O, 1/2, 1/4, 1/8



850 • 1/2 • 1/4 • 1/8
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • 1/2 • 1/4 • 1/8
3 • 4 • 5 • 6 • 8



8503 • 1/2 • 1/4 • 1/8
0.6x3.5 • 1x5.5 • 1.2x8



8506 • 1/2 • 1/4 • 1/8
PH 1 • PH 2



8507 • 1/2 • 1/4 • 1/8
PZ 1 • PZ 2



863 P • 1/2 • 1/4 • 1/8



865 • 1/2 • 1/4 • 1/8



866 U • 1/2 • 1/4 • 1/8



867-2 • 1/2 • 1/4 • 1/8



868 • 1/2 • 1/4 • 1/8



869 • 1/2 • 1/4 • 1/8



900 Z • 1/2 • 1/4 • 1/8



910 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • 1/2 • 1/4 • 1/8



916 SP • 1/2 • 1/4 • 1/8



919 • 1/2 • 1/4 • 1/8



919-5 • 919-10



920 • 1/2 • 1/4 • 1/8



919-1 • 1/2 • 1/4 • 1/8



163-119/23 • 1/2 • 1/4 • 1/8



986 • 1/2 • 1/4 • 1/8



5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • 1/2 • 1/4 • 1/8



6 • 7 • 8 • 10



990 • 1/2 • 1/4 • 1/8



M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • 1/2 • 1/4 • 1/8



M 8 • M 14



990 SLG • 1/2 • 1/4 • 1/8



M 10 • M 12



730



730-3 • 730-6



746-1



748 B



748 b-3 • 748 b-4
748 b-5 • 748 b-6



759 N-2



801 K • 1/2 • 1/4 • 1/8



801 K • 1/2 • 1/4 • 1/8



PH 2



803 • 1/2 • 1/4 • 1/8



0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



803 • 1/2 • 1/4 • 1/8



PH 1 • PH 2 • PH 3



1802 M-22



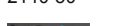
1841 M b-33



1850 M-22



2105 Lg/9 H • O



2140-50



163-121/4



755-10 A



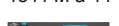
1802 M-33



1803 M-11



1841 M a-11



428 • 1/2 • 1/4 • 1/8



163-122/3



428 • 1/2 • 1/4 • 1/8



8 • 10 • 13



1845



163-124/4



1845 A-19



1845 B-19



1845 C-19



1845 D-19



163-130 L



163-131/8



1/2 • 1/4 • 1/8 • 1/16



858-1 • 1/2 • 1/4 • 1/8



8858-1 • 1/2 • 1/4 • 1/8



8858-2 • 1/2 • 1/4 • 1/8



903 SLG • 1/2 • 1/4 • 1/8



17 • 19



958-1 • 1/2 • 1/4 • 1/8



958-2 • 1/2 • 1/4 • 1/8



1058-2 • 1/2 • 1/4 • 1/8



163-522x50



180-38



426 • 1/2 • 1/4 • 1/8



6 • 7 • 8



450 N • 1/2 • 1/4 • 1/8



24x27 • 30x32



600 N • 1/2 • 1/4 • 1/8



27 • 30 • 32



612 • 1/2 • 1/4 • 1/8



10x11



630 • 1/2 • 1/4 • 1/8



24x27 • 30x32



650-20



803 • 1/2 • 1/4 • 1/8



T15 • T20 • T25 • T30



824 • 1/2 • 1/4 • 1/8



828 • 1/2 • 1/4 • 1/8



880 G/10 H • 1/2 • 1/4 • 1/8



880 G • 1/2 • 1/4 • 1/8



10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



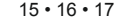
880 TZ/10 H • 1/2 • 1/4 • 1/8



880 TZ • 1/2 • 1/4 • 1/8



10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19





0-2700 MERCEDES-BENZ tool assortment

• Assortment for MERCEDES-BENZ passenger cars



428 • 10



450 N • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



600 N • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22
24 • 27



610 N • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



612 • 12x14
612 • 16x18 • 17x19



612 N • 10x11



630 • 6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23



731-5



745 a-2



746-2



748 B
748 b-2 • 748 b-3
748 b-4 • 748 b-5
748 b-6 • 748 b-8



760 N
760 N-1 • 760 N-2



801 K • 1x5.5



801 K • PH 2



803 • 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



803 • PH 1 • PH 2



819 • PH 1+PH 2



824 •



900 • 1/2 • 1/2 • 1/2



900 • 1/2 • 1/2 • 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32



915 • 1/2



916 SP • 1/2



917-5 • 1/2 • 1/2 • 1/2



918-10 • 1/2 • 1/2 • 1/2



920 • 1/2 • 1/2 • 1/2



900 • 1/2 • 1/2 • 1/2
34



1802-22



1841 a-33



1952-35



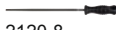
1976



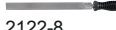
2100/6 H • 10



2100 • 3 • 4 • 5 • 6 • 8 • 10



2120-8



2122-8



2130



2140
2140-20 • 2140-50



2147



2160



2165-2



**HAZET – Official tool supplier of Mercedes-Benz
Global TechMasters**



General workshop equipment

Tool Assortments



0-2700 MERCEDES-BENZ tool assortment for commercial vehicles

- Assortment for MERCEDES-BENZ commercial vehicles
- Safety-Insert-System, 2-component soft foam insert.
- Insert also suitable for HAZET Assistant



163-53/75

1/2, 3/8, 1/2, 3/4, 1"



609 •
E 6x E 8 • E 10x E 12
E 14x E 18 • E 20x E 24



803 •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



850 E • 1/2 • 3/4 • 1"
E 4 • E 5 • E 6 • E 7 • E 8



880 • 1/2 • 3/4 • 1"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



880 E • 1/2 • 3/4 • 1"
E 10 • E 11 • E 12 • E 14



8802 • 1/2 • 3/4 • 1"
T 40 • T 45



8816 P • 1/2 • 3/4 • 1"



8820 • 1/2 • 3/4 • 1"
E 10 • E 11 • E 12 • E 14



8821 • 1/2 • 3/4 • 1"
8821-3 • 8821-6 • 8821-10



900 E • 1/2 • 3/4 • 1"
E 16 • E 18 • E 20 • E 24



992 • 1/2 • 3/4 • 1"
T 50 • T 55 • T 60



2115 •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



2223 • 1/2 • 3/4 • 1"
T 6



2223 • 1/2 • 3/4 • 1"
T 7H • T 8H • T 9H
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H
T 40H



2223 LG • 1/2 • 3/4 • 1"
T 25



2250-1 • 1/2 • 3/4 • 1"
2250-2 • 1/2 • 3/4 • 1"



2264 • 1/2 • 3/4 • 1"



163-55/15 •



450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32 • 34x36



2119-8



2120-8



2122-8



2123-8



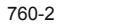
163-59/12 •



630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23



760-2



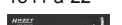
1802-22



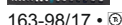
1841 a-22



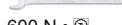
163-98/17 •



600 N •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



163-100/13 •



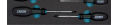
803 •
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



801 K •



801 K •



803 •



803 •



803 •



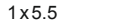
803 •



803 •



803 •



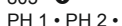
803 •



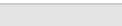
803 •



803 •



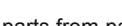
803 •



803 •



803 •



803 •



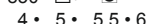
163-118/57 • 1/2, 3/4, 1"



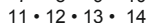
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



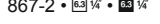
850 • 1/2 • 3/4 • 1"



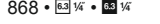
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



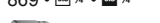
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



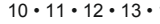
850 • 1/2 • 3/4 • 1"



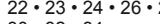
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



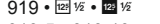
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



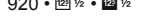
850 • 1/2 • 3/4 • 1"



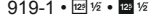
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



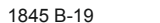
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



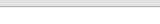
850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



850 • 1/2 • 3/4 • 1"



1845 C-19



1845 D-19



163-131/8



858-1 • 1/2 • 3/4 • 1"



8858-1 • 1/2 • 3/4 • 1"



8858-2 • 1/2 • 3/4 • 1"



903 SLG • 1/2 • 3/4 • 1"



958-1 • 1/2 • 3/4 • 1"



958-2 • 1/2 • 3/4 • 1"



1058-2 • 1/2 • 3/4 • 1"



163-299/8



730



730-3 • 730-6



751 HS/5



2140-50



180-38



450 N •



36x41



600 N •



27 • 34



630 •



24x26 • 25x28 • 27x32
30x32 • 36x41



652



760 N-4



823



824 •



1952-50



1976-1



2130



2140-100



2154-10



2154 N-5

2160

HAZET
No.
0-2700-163/229

229

EAN-No.
4000896+
161980

0-2900 BMW tool assortment

- Assortment for BMW passenger cars
 - Long-lasting basic equipment for the work place – maintenance work –
 - Safety-Insert-System, 2-component soft foam insert.
- Insert also suitable for HAZET Assistent

Assistent [®] (E)



163-138/77 • $\frac{1}{2}$ • $\frac{3}{4}$
 $\odot$, $\odot$, $\odot$, $\odot$, $\odot$, $\odot$

850 • $\frac{1}{4}$ • $\odot$
 4 • 5 • 5.5 • 6
 7 • 8 • 9 • 10
 11 • 12 • 13 • 14

850 LG • $\frac{1}{4}$ • $\odot$
 4 • 5 • 5.5 • 6
 7 • 8 • 9 • 10
 11 • 12 • 13

858-1 • $\frac{1}{4}$ • $\frac{10}{16}$
 863 P • $\frac{1}{4}$

865 • $\frac{1}{4}$
 866 U • $\frac{1}{4}$
 867-2 • $\frac{1}{4}$ • $\frac{3}{4}$

868 • $\frac{1}{4}$ • $\frac{3}{4}$
 869 • $\frac{1}{4}$ • $\frac{3}{4}$

8501 • $\frac{1}{4}$ • $\odot$
 3 • 4 • 5 • 6 • 8

8503 • $\frac{1}{4}$ • $\odot$
 0.6x3.5 • 1x5.5 • 1.2x8

8506 • $\frac{1}{4}$ • $\odot$
 PH 1 • PH 2

8507 • $\frac{1}{4}$ • $\odot$
 PZ 1 • PZ 2

900 • $\frac{1}{2}$ • $\odot$
 10 • 11 • 12 • 13 • 14
 15 • 16 • 17 • 18 • 19
 20 • 21 • 22 • 24 • 27
 30 • 32

903 SLG • $\frac{1}{2}$ • $\odot$
 17 • 19

915 • $\frac{1}{2}$
 916 SP • $\frac{1}{2}$
 917-5 • $\frac{1}{2}$ • $\frac{1}{2}$
 918-10 • $\frac{1}{2}$ • $\frac{1}{2}$
 919-1 • $\frac{1}{2}$ • $\frac{1}{2}$
 920 • $\frac{1}{2}$ • $\frac{1}{2}$

958-1 • $\frac{1}{2}$ • $\frac{3}{4}$
 958-2 • $\frac{1}{2}$ • $\frac{10}{16}$

986 • $\frac{1}{2}$ • $\odot$
 5 • 6 • 7 • 8
 10 • 12 • 14 • 17

163-139/90
 $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
 $\odot$, $\odot$, $\odot$, $\odot$

609 • $\odot$
 E 6xE 8 • E 10xE 12
 E 14xE 18 • E 20xE 24

880 • $\frac{10}{16}$ • $\odot$
 7 • 8 • 9 • 10 • 11
 12 • 13 • 14 • 15 • 16
 17 • 18 • 19 • 21 • 22

850 E • $\frac{1}{4}$ • $\odot$
 E 4 • E 5 • E 6 • E 7 • E 8

880 E • $\frac{10}{16}$ • $\odot$
 E 10 • E 11 • E 12 • E 14

880 G • $\frac{10}{16}$ • $\odot$
 10 • 11 • 12 • 13
 14 • 15 • 16

880 G • $\frac{10}{16}$ • $\odot$
 E 8 • E 10

880 LG • $\frac{10}{16}$ • $\odot$
 10 • 11 • 12 • 13

8801 K • $\frac{10}{16}$ • $\odot$
 9

8802 • $\frac{10}{16}$ • $\odot$
 T 40 • T 45

8808 • $\frac{10}{16}$ • $\odot$
 M 6 • M 8 • M 10

8816 P • $\frac{10}{16}$
 8816 GK • $\frac{10}{16}$
 8820 • $\frac{10}{16}$ • $\frac{10}{16}$
 8821 • $\frac{10}{16}$ • $\frac{10}{16}$
 8821-3 • 8821-6 • 8821-10

8858-1 • $\frac{10}{16}$ • $\frac{3}{4}$
 8858-2 • $\frac{10}{16}$ • $\frac{3}{4}$

900 E • $\frac{10}{16}$ • $\odot$
 E 16 • E 18 • E 20 • E 24

992 • $\frac{1}{2}$ • $\odot$
 T 50 • T 55 • T 60

2115 • $\odot$
 T 6 • T 7 • T 8 • T 9
 T 10 • T 15 • T 20 • T 25
 T 27 • T 30 • T 40

2215 • $\odot$ • $\odot$
 PH 1 • PH 2 • PH 3

2223 • $\odot$ • $\odot$
 T 6

2223 LG • $\odot$ • $\odot$
 T 25

2250-1 • $\frac{1}{4}$ • $\frac{3}{4}$
 2250-2 • $\frac{10}{16}$ • $\frac{3}{4}$

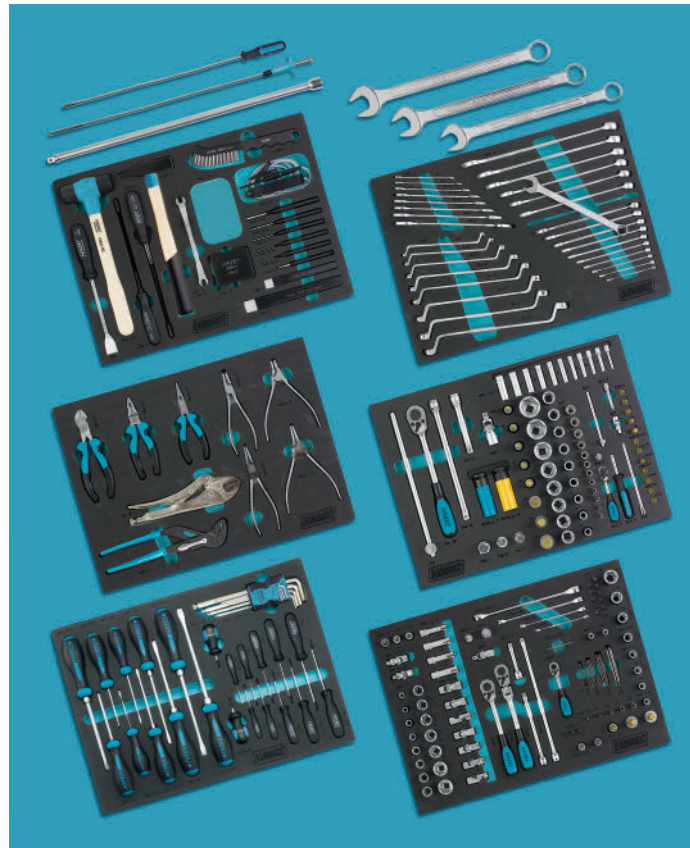
2264 • $\frac{3}{4}$

163-140/33 • $\odot$, $\odot$, $\odot$
 450 N • $\odot$
 6x7 • 8x9 • 10x11
 12x13 • 14x15 • 16x17
 18x19 • 21x22

600 N • $\odot$
 6 • 7 • 8 • 9 • 10
 11 • 12 • 13 • 14 • 15
 16 • 17 • 18 • 19 • 21
 22 • 24

630 • $\odot$
 6x7 • 8x9 • 10x11
 12x13 • 14x15 • 16x17
 18x19 • 21x22

163-141/31 • $\odot$, $\odot$, $\odot$
 802 • $\odot$
 0.6x3.5 • 0.8x4 • 1x5.5
 1.2x6.5 • 1.2x8 • 1.6x10
 2x12



802 • $\odot$
 PH 1 • PH 2 • PH 3

801 K • $\odot$
 1x5.5

801 K • $\odot$
 PH 2

803 • $\odot$
 T 6 • T 7 • T 8 • T 9
 T 10 • T 15 • T 20 • T 25
 T 27 • T 30

2105 Lg/9 H • $\odot$

163-143/18 • $\odot$
 426 • $\odot$
 6 • 7

612 N • $\odot$
 10x11
 730
 730-3 • 730-6

746-1
 748 B
 748 b-3 • 748 b-4
 748 b-5 • 748 b-6
 748 b-8

824 • $\odot$

1952-40
 2140-40

2152/3

2154 N-5
 4968-2

163-370/9

757-10

760-2

1802-22

1841 a-22

1846 a-2

1846 b-2

1846 c-2

1846 d-2



General workshop equipment

Tool Assortments



0-3300 PORSCHE tool assortment

• Tool assortment for PORSCHE



440 • •
5.5 • 6 • 11 • 12 • 13 • 14

600 N • •
20 • 21 • 22 • 24 • 25
27 • 29 • 30 • 32 • 36

603 • •
6 • 8 • 9
603 • •
10 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19

612 • •
8x10 • 11x13 • 12x14
612 • •
17x19

630 • •
10x11 • 12x13 • 14x15
16x18 • 17x19 • 20x22

645 • •
10x11 • 12x13

731
731-2 • 731-5

745-3

745 a-6

746-2

748 b-4

760-2

801 K • •
0.6x3.5 • 1x5.5

801 K • •
PH 1 • PH 2

803 • •
0.4x2 • 0.4x2.5 • 0.5x3
0.6x3.5 • 1x5.5 • 1.2x6.5
1.2x8

803 • •
PH 1 • PH 2 • PH 3

803 • •
T 8 • T 9 • T10 • T15
T20 • T25 • T30

821-1

854-1 • •
 • • • •

850 • • •
4 • 5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

8501 • • •
3 • 4 • 5 • 6 • 8

8503 • • •
0.6x3.5 • 0.8x4
1x5.5 • 1.2x8

8506 • • •
PH 1 • PH 2 • PH 3 • PH 4

8507 • • •
PZ 1 • PZ 2 • PZ 3

863 P • • •

865 • • •

866 U • • •

867-2 • • • •

868 • • • •

869 • • • •

858-1 • • • •

885 N • • • • • •

880 • • •
6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22

8801 • • •
4 • 5 • 6 • 8

8803 • • •
1x5.5 • 1.2x8 • 1.6x10

8806 • • •
PH 1 • PH 2 • PH 3

8815 • • •

8816 P • • •

8820 • • • •

8821 • • • •
8821-3 • 8821-5 • 8821-10

8858-1 • • • •

8858-2 • • • •

900 Z • • •

900 Z • • •
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • • •

916 SP • • •

917-5 • • • •

918-10 • • • •

920 • • • •

958-1 • • • •

958-2 • • • •

986 LG • • •
8 • 10

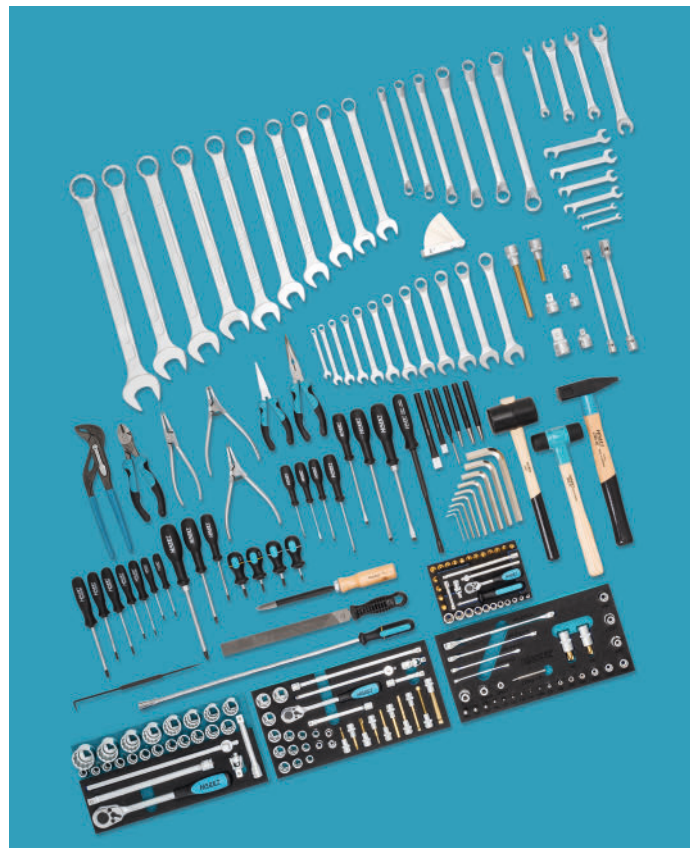
1557/29 • • • • •
 • • •

609 • •
E 6xE 8 • E10xE12
E14xE18 • E20xE24

850 E • • •
E5 • E6 • E7 • E8

880 E • • •
E10 • E12 • E14

900 E • • •
E10 • E12 • E14



992 • • •
T55 • T60

2223 • • •
T10 • T20 • T25
T27 • T30

2223 • • •
T30H

2223 LG • • •
T25

2224 • • •
T40 • T45 • T50

2250-1 • • • •
2250-3 • • • •
2250-5 • • • •

1802 M-22

1816-22

1841 M b-33

1846 a-2

1846 c-2

1846 d-2

1952-35

1976

2100 • •
2.5 • 3 • 4 • 5 • 6
8 • 10 • 12 • 14

2122-10

2140-50

2143

2147

2150

2255-1 • •

HAZET
No.
0-3300/218

218

EAN-No.
4000896+
057429



0-22 Tool assortment for commercial vehicles

• Tool assortment for commercial vehicles

• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant



163-57/56 • $\frac{1}{2}$ • $\frac{1}{4}$
O, $\odot$, $\odot$, $\odot$, $\odot$



850 • $\frac{1}{4}$ • $\odot$
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • $\frac{1}{4}$ • $\odot$
3 • 4 • 5 • 6 • 8



8503 • $\frac{1}{4}$ • $\odot$
0.6 x 3.5 • 1 x 5.5 • 1.2 x 8



8506 • $\frac{1}{4}$ • $\odot$
PH 1 • PH 2



8507 • $\frac{1}{4}$ • $\odot$
PZ 1 • PZ 2



863 P • $\frac{1}{4}$



865 • $\frac{1}{4}$



866 U • $\frac{1}{4}$



867-2 • $\frac{1}{4}$ • $\frac{1}{2}$ • $\frac{3}{4}$



868 • $\frac{1}{4}$ • $\frac{1}{2}$ • $\frac{3}{4}$



869 • $\frac{1}{4}$ • $\frac{1}{2}$ • $\frac{3}{4}$



900 • $\frac{1}{2}$ • $\odot$
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • $\frac{1}{2}$



916 SP • $\frac{1}{2}$



917-5 • $\frac{1}{2}$ • $\frac{1}{2}$



918-10 • $\frac{1}{2}$ • $\frac{1}{2}$



920 • $\frac{1}{2}$ • $\frac{1}{2}$



163-96/3



760-2



1802-22



1841 a-22



163-119/23 • $\frac{1}{2}$ • $\odot$, $\odot$



986 • $\frac{1}{2}$ • $\odot$
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • $\frac{1}{2}$ • $\odot$
6 • 7 • 8 • 10



990 • $\frac{1}{2}$ • $\odot$
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • $\frac{1}{2}$ • $\odot$
M 8 • M 14



990 SLG • $\frac{1}{2}$ • $\odot$
M 10 • M 12



163-210/19 • $\odot$



600 N • $\odot$
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32 • 34



163-211/20 • $\frac{3}{4}$
 $\odot$, $\odot$



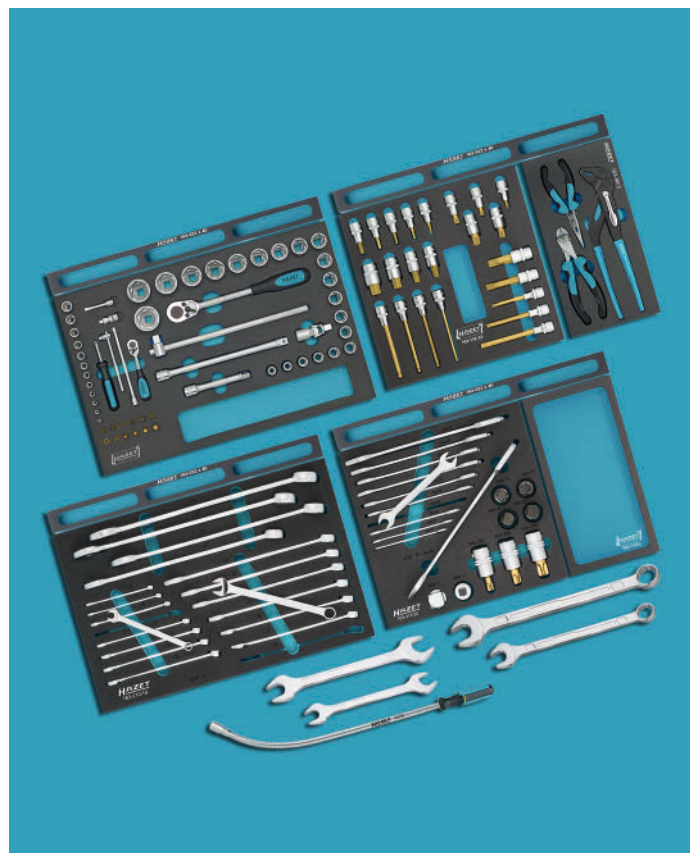
450 N • $\odot$
8 x 9 • 10 x 11 • 12 x 13
14 x 15 • 16 x 18 • 17 x 19
20 x 22 • 21 x 22 • 24 x 27
30 x 32 • 34 x 36



1010 • $\frac{3}{4}$ • $\odot$
14 • 17 • 19 • 22



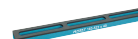
1012 • $\frac{3}{4}$ • $\odot$
T 60 • T 80 • T 100



1058-1 • $\frac{3}{4}$ • $\frac{1}{2}$ T



1058-2 • $\frac{3}{4}$ • $\frac{1}{2}$



163-130 L
163-522 x 50



450 N • $\odot$
36 x 41 • 46 x 50



600 N • $\odot$
36 • 41



1976





General workshop equipment

Tool Assortments



0-1900 Tool assortment

Assortment for car body work

• For tool trolley *Assistant*

428 • •
6 • 7 • 8 • 10 • 11 • 13

600 N •
8 • 9 • 10 • 11
12 • 13 • 14 • 15
17 • 19 • 22 • 24

745-3

745 a-6

746-1

757-10

760-2

799-3

801 K •

1x5.5

803 •

0.4x2.5 • 1x5.5 • 1.2x6.5
1.2x8 • 1.6x10

803 •

PH 1 • PH 2 • PH 3

821-2

900 •

10 • 11 • 12 • 13
15 • 17 • 19 • 22

916 SP •

917-5 • • •

918-10 • • •

1810-250

1851-44

1917 N

1919 N

1920 N

1921

1922

1923

1927

1929-1

1930

1931

1934

1934-1

1934-4

1934
1934-9 • 1934-10

1937 K

1940

1950

1960-5

1961 L-2

1961 R-2

1965/5

2130

2140

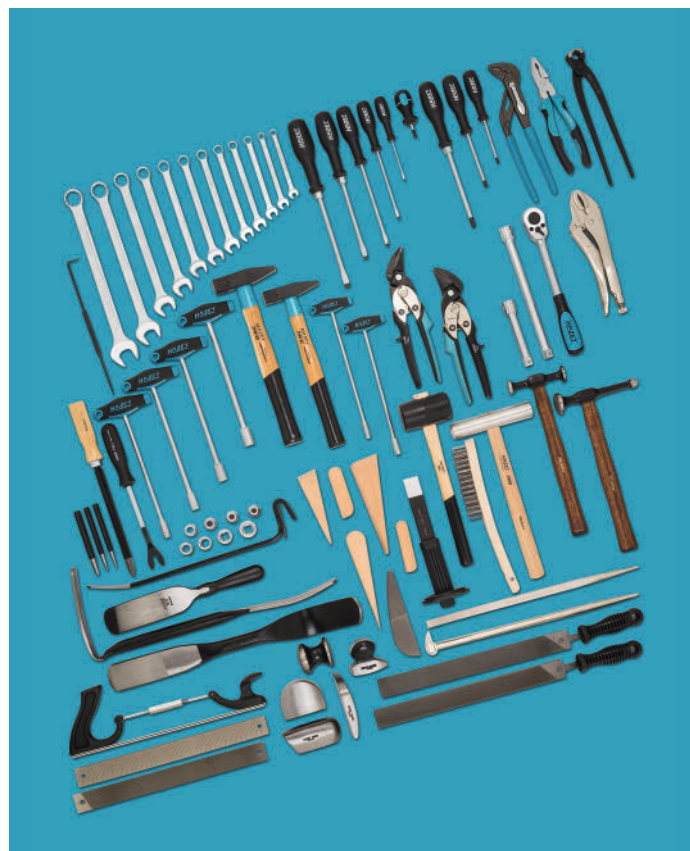
2140-30 • 2140-50

2143

2150

2165-1

2165-2



HAZET
No.

0-1900/77



77

EAN-No.
4000896+

000241



Tool Modules

163 Double open-end wrench set

Made in Germany

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm

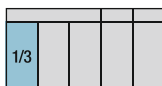


450 N • ●

6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23 • 24x27 • 30x32

HAZET No.	W x D mm		EAN-No. 4000896+
163-377/11	172x392	11	196845

Made in Germany



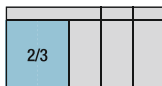
450 N • ●

6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22

HAZET No.	W x D mm		EAN-No. 4000896+
163-95/8	342x172	8	145669

163 Wrench / socket set

Made in Germany



450 N • ●

8x9 • 10x11 • 12x13
14x15 • 16x18 • 17x19
20x22 • 21x22 • 24x27
30x32 • 34x36



1010 • 20 3/4 • ○
14 • 17 • 19 • 22



1058-1 • 20 3/4 • 25 T



1012 • 20 3/4 • ●
T 60 • T 80 • T 100

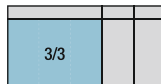


1058-2 • 20 3/4 • 25 1/2

HAZET No.	W x D mm		EAN-No. 4000896+
163-211/20	344x342	20	164707

163 Tool set, double open-end wrenches, files

Made in Germany



450 N • ●

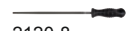
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32 • 34x36



2119-8



2122-8



2120-8

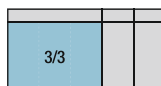


2123-8

HAZET No.	W x D mm		EAN-No. 4000896+
163-55/15	519x342	15	122806

163 Combination wrench set

Made in Germany

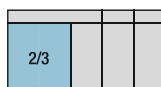


600 N • ●

8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32 • 34

HAZET No.	W x D mm		EAN-No. 4000896+
163-210/19	519x342	19	164714

Made in Germany



600 N • ●

6 • 7 • 8 • 9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24

HAZET No.	W x D mm		EAN-No. 4000896+
163-98/17	344x342	17	145690



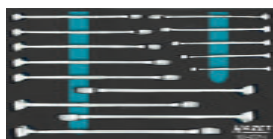
General workshop equipment

Tool Modules



163 Combination wrench set

Made in Germany



600 N •

6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19

HAZET No.	W x D mm		EAN-No. 4000896+
163-427/14	342x172	14	202553

Made in Germany



600 N •

10 • 11 • 13 • 14 • 15 • 17 • 19 • 22

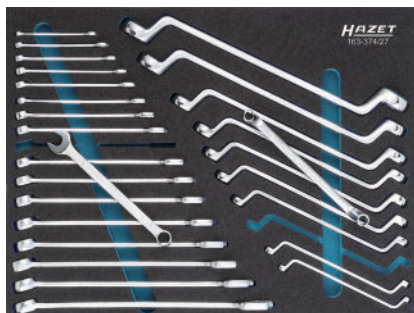
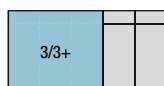
HAZET No.	W x D mm		EAN-No. 4000896+
163-292/8	342x172	8	186372

163 Wrench set

Made in Germany



Suitable for HAZET Assistant tool trolleys
173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL,
179 T XXL and 180 with a drawer depth of 398 mm



600 N •

6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24



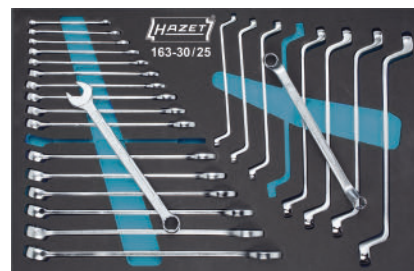
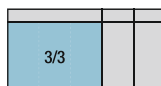
630 •

6x7 • 8x9 • 10x11 • 12x13
14x15 • 16x17 • 18x19 • 21x22
24x27 • 30x32

HAZET No.	W x D mm		EAN-No. 4000896+
163-374/27	519x392	27	196753

163 Combination wrench / double box-end wrench set

Made in Germany



600 N •

6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19 • 21 • 22 • 24



630 •

6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

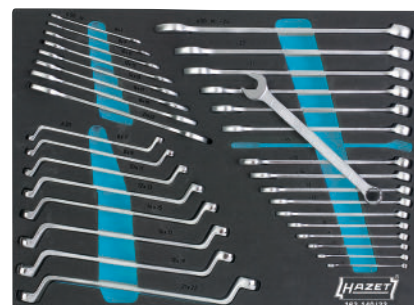
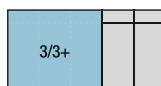
HAZET No.	W x D mm		EAN-No. 4000896+
163-30/25	519x342	25	118601

163 Wrench set

Made in Germany



Suitable for HAZET Assistant tool trolleys
173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL,
179 T XXL and 180 with a drawer depth of 398 mm



450 N •

6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



600 N •

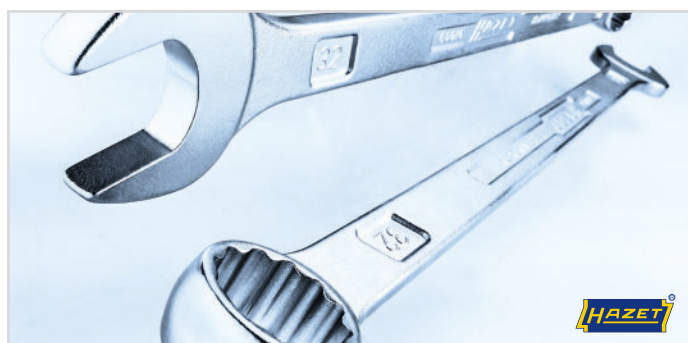
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



630 •

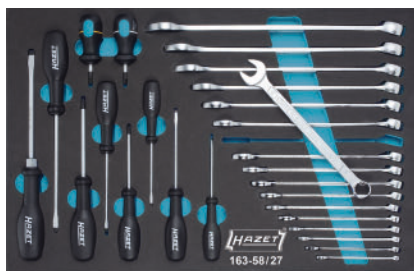
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

HAZET No.	W x D mm		EAN-No. 4000896+
163-140/33	519x392	33	151899





163 Tool set, combination wrenches, screwdrivers



3/3		
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600 N • 6
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



803 • 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



801 K • 1x5.5



803 • PH 1 • PH 2



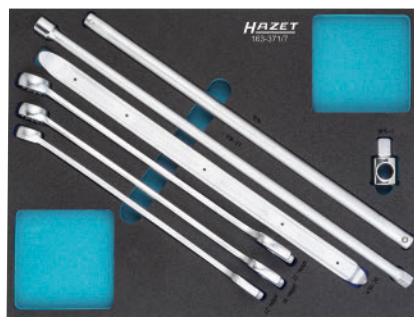
801 K • PH 2

HAZET No.	W x D mm		EAN-No. 4000896+
163-58/27	519x342	27	122844

163 Tool set

Made in Germany

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



3/3+		
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600 N • 27 • 30 • 32



918-23 • 12.5 • 1/2 • 12.5 • 1/2



1015-1 • 20 • 3/4



650-20



1014

HAZET No.	W x D mm		EAN-No. 4000896+
163-371/7	519x392	7	196777

163 Combination wrench set

Made in Germany



2/3		
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163 Combination wrench set



603

6 • 7 • 8 • 9

10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27

HAZET No.	W x D mm		EAN-No. 4000896+
163-99/18	344x342	18	145706

Made in Germany



1/3		
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603

6 • 7 • 8 • 9

10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 22

HAZET No.	W x D mm		EAN-No. 4000896+
163-428/15	342x172	15	202560

163 Wrench set

Made in Germany



450 N • 6x7 • 8x9 • 10x11

12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x27 • 30x32 • 34x36



603 • 6 • 7 • 8 • 9

603 • 603

10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27



2105 LG/9 HC • O

HAZET No.	W x D mm		EAN-No. 4000896+
163-362/39	519x342	39	193905

163 Ratcheting combination wrench set



3/3		
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General workshop equipment

Tool Modules



163 Ratcheting combination wrench set

606 • ⑥
8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32

HAZET No.	W x D mm		EAN-No. 4000896+
163-366/18	519x342	18	196920

163 Ratcheting combination wrench set with square adapters

606 • ⑥



606 • ⑥
8 • 9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18 • 19



HAZET No.	W x D mm		EAN-No. 4000896+
163-186/16	344x342	16	162253

163 Ratcheting combination wrench set

606 • ⑥



606 • ⑥
8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19

HAZET No.	W x D mm		EAN-No. 4000896+
163-385/12	342x172	12	196944



606 • ⑥
8 • 10 • 12 • 13 • 17 • 19

HAZET No.	W x D mm		EAN-No. 4000896+
163-97/6	342x172	6	145683

163 Double box-end wrench set

⑥ Made in Germany

⑥



630 • ⑥
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23

HAZET No.	W x D mm		EAN-No. 4000896+
163-101/9	344x342	9	145720

⑥ Made in Germany

⑥



630 • ⑥
6x7 • 8x9 • 10x11
12x13 • 14x15 • 17x19
21x22

HAZET No.	W x D mm		EAN-No. 4000896+
163-296/7	342x172	7	186655

163 Tool set, double box-end wrenches, pliers

⑥ Made in Germany

⑥



630 • ⑥
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23



HAZET No.	W x D mm		EAN-No. 4000896+
163-59/12	519x342	12	122820



163 Screwdriver and screwdriver bit set

Made in Germany



850 • 6.3 1/4" • ②
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

863 P • 6.3 1/4"

865 • 6.3 1/4"

866 U • 6.3 1/4"

867 • 6.3 1/4" • 6.3 1/4"

867-2 • 867-4

2240 N/36
②, ③ 1/4", ④, ⑤, ⑥, ⑦, ⑧, ⑨

2250-1 • 6.3 1/4" • ③ 1/4"

HAZET No.	W x D mm		EAN-No. 4000896+
163-423/55	342x172	55	202638

163 Socket set

Made in Germany

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



850 • 6.3 1/4" • ②
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

850 LG • 6.3 1/4" • ②
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13

858-1 • 6.3 1/4" • ⑩ 3/8"

863 P • 6.3 1/4"

865 • 6.3 1/4"

866 U • 6.3 1/4"

867-2 • 6.3 1/4" • 6.3 1/4"

868 • 6.3 1/4" • 6.3 1/4"

869 • 6.3 1/4" • 6.3 1/4"

8501 • 6.3 1/4" • ①
3 • 4 • 5 • 6 • 8

8503 • 6.3 1/4" • ②
0.6x3.5 • 1x5.5 • 1.2x8

8506 • 6.3 1/4" • ③
PH 1 • PH 2

8507 • 6.3 1/4" • ③
PZ 1 • PZ 2

900 • 12.5 1/2" • ②
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32

903 SLG • 12.5 1/2" • ②
17 • 19

915 • 12.5 1/2"

916 SP • 12.5 1/2"

917-5 • 12.5 1/2" • 12.5 1/2"

918-10 • 12.5 1/2" • 12.5 1/2"

919-1 • 12.5 1/2" • 12.5 1/2"

920 • 12.5 1/2" • 12.5 1/2"

958-1 • 12.5 1/2" • 20 3/4"

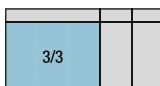
958-2 • 12.5 1/2" • 10 3/8"

986 • 12.5 1/2" • ①
5 • 6 • 7 • 8
10 • 12 • 14 • 17

HAZET No.	W x D mm		EAN-No. 4000896+
163-138/77	519x392	77	151875

163 Socket set

Made in Germany



850 • 6.3 1/4" • ②
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

8501 • 6.3 1/4" • ①
3 • 4 • 5 • 6 • 8

8503 • 6.3 1/4" • ②
0.6x3.5 • 1x5.5 • 1.2x8

8506 • 6.3 1/4" • ③
PH 1 • PH 2

8507 • 6.3 1/4" • ③
PZ 1 • PZ 2

863 P • 6.3 1/4"

865 • 6.3 1/4"

866 U • 6.3 1/4"

867-2 • 6.3 1/4" • 6.3 1/4"

868 • 6.3 1/4" • 6.3 1/4"

869 • 6.3 1/4" • 6.3 1/4"

900 Z • 12.5 1/2" • ②
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34

915 • 12.5 1/2"

916 SP • 12.5 1/2"

919 • 12.5 1/2" • 12.5 1/2"

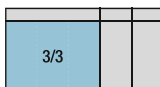
919-5 • 919-10

920 • 12.5 1/2" • 12.5 1/2"

919-1 • 12.5 1/2" • 12.5 1/2"

HAZET No.	W x D mm		EAN-No. 4000896+
163-118/57	519x342	57	153497

Made in Germany



850 • 6.3 1/4" • ②
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

8501 • 6.3 1/4" • ①
3 • 4 • 5 • 6 • 8

8503 • 6.3 1/4" • ②
0.6x3.5 • 1x5.5 • 1.2x8

8506 • 6.3 1/4" • ③
PH 1 • PH 2

8507 • 6.3 1/4" • ③
PZ 1 • PZ 2

863 P • 6.3 1/4"

865 • 6.3 1/4"

866 U • 6.3 1/4"

867-2 • 6.3 1/4" • 6.3 1/4"

868 • 6.3 1/4" • 6.3 1/4"

869 • 6.3 1/4" • 6.3 1/4"

900 • 12.5 1/2" • ②
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34

915 • 12.5 1/2"

916 SP • 12.5 1/2"

917-5 • 12.5 1/2" • 12.5 1/2"

918-10 • 12.5 1/2" • 12.5 1/2"

920 • 12.5 1/2" • 12.5 1/2"

HAZET No.	W x D mm		EAN-No. 4000896+
163-57/56	519x342	56	122837



General workshop equipment

Tool Modules



163 TORX® socket set

Made in Germany

E 12 1/2 6.3 1/4



850 E • 6.3 1/4 • 1/2
E5 • E6 • E7 • E8 • E10

900 E • 10 1/2 • 1/2
E10 • E12 • E14
E16 • E18 • E20



2115-T7 R • 1/2

8502 • 6.3 1/4 • 1/2
T10 • T15 • T20 • T25
T27 • T30 • T40

992 • 10 1/2 • 1/2
T30 • T40 • T45
T50 • T55

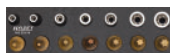
HAZET No.	W x D mm		EAN-No. 4000896+
163-192/24	342x172	24	162314

163 Tool set, TORX®

Made in Germany

TIN E 6.3 1/4

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: TIN



850 E • 6.3 1/4 • 1/2
E4 • E5 • E6 • E7
E8 • E10 • E11

8502 • 6.3 1/4 • 1/2
T10 • T15 • T20 • T25
T27 • T30 • T40

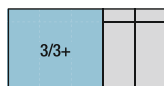
HAZET No.	W x D mm		EAN-No. 4000896+
163-251/14	172x50	14	178063

163 Socket set

Made in Germany

E 12 1/2 6.3 1/4

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



609 • 1/2
E 6x E 8 • E10x E12
E14x E18 • E20x E24

850 E • 6.3 1/4 • 1/2
E4 • E5 • E6 • E7 • E8

880 G • 10 1/2 • 1/2
10 • 11 • 12 • 13
14 • 15 • 16

880 • 10 1/2 • 1/2
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22

880 E • 10 1/2 • 1/2
E10 • E11 • E12 • E14

880 G • 10 1/2 • 1/2
E8 • E10

163 Socket set

E 12 1/2 10 3/8 6.3 1/4 6.3 1/4

880 LG • 10 3/8 • 1/2
10 • 11 • 12 • 13

8801 K • 10 3/8 • 1/2
9

8802 • 10 3/8 • 1/2
T40 • T45

8808 • 10 3/8 • 1/2
M 6 • M 8 • M 10

8816 P • 10 3/8

8816 GK • 10 3/8

8820 • 10 3/8 • 1/2
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

8821 • 10 3/8 • 1/2
8821-3 • 8821-6 • 8821-10

8858-1 • 10 3/8 • 1/2

8858-2 • 10 3/8 • 1/2

900 E • 12 1/2 • 1/2
E16 • E18 • E20 • E24

992 • 12 1/2 • 1/2
T50 • T55 • T60

2115 • 1/2
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2215 • 1/2 • 1/2
PH 1 • PH 2 • PH 3

2223 • 1/2 • 1/2
T6

2223 • 1/2 • 1/2
T 7H • T 8H • T 9H
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H
T 40H

2223 LG • 1/2 • 1/2
T25

2250-1 • 1/2 • 1/2
2250-2 • 1/2 • 1/2

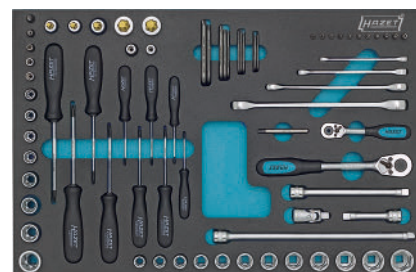
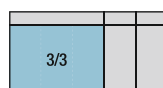
2264 • 1/2

HAZET No.	W x D mm		EAN-No. 4000896+
163-139/90	519x392	90	151882

163 Socket set, TORX® double box-end wrenches, sockets etc.

Made in Germany

E 12 1/2 10 3/8 6.3 1/4 6.3 1/4



609 • 1/2
E 6x E 8 • E10x E12
E14x E18 • E20x E24

803 • 1/2
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

850 E • 6.3 1/4 • 1/2
E4 • E5 • E6 • E7 • E8

880 • 10 1/2 • 1/2
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

880 E • 10 1/2 • 1/2
E10 • E11 • E12 • E14

8802 • 10 3/8 • 1/2
T40 • T45

8816 P • 10 3/8

8820 • 10 3/8 • 1/2

8821 • 10 3/8 • 1/2
8821-3 • 8821-6 • 8821-10

900 E • 12 1/2 • 1/2
E16 • E18 • E20 • E24

992 • 12 1/2 • 1/2
T50 • T55 • T60

2115 • 1/2
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • 1/2 • 1/2
T6

2223 • 1/2 • 1/2
T 7H • T 8H • T 9H
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H
T 40H

2223 LG • 1/2 • 1/2
T25

2250-1 • 1/2 • 1/2
2250-2 • 1/2 • 1/2

2264 • 1/2

HAZET No.	W x D mm		EAN-No. 4000896+
163-53/75	519x342	75	122783



163 Socket set

Made in Germany

Suitable for HAZET Assistant tool trolleys
173, 179, 179 W, 179 BIG-1, 179 XL,
179 XXL, 179 A XXL, 179 T XXL and
180 with a drawer depth of 398 mm

E R 10 3/8



880 • 10 3/8 • 10
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



880 Z • 10 3/8 • 10
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



8820 • 10 3/8 • 10 3/8



8821-6 • 10 3/8 • 10 3/8



880 G • 10 3/8 • 10
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



8816 P • 10 3/8



8822 • 10 3/8 • 10 3/8
8822-1 • 8822-3 • 8822-10

HAZET No.	W x D mm		EAN-No. 4000896+
163-379/38	172x392	38	196791

Made in Germany

E R 10 3/8 6.3 1/4



880 • 10 3/8 • 10
8 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22



8816 P • 10 3/8



2215 • 10 3/8 • 10
PH 1 • PH 2



8820 • 10 3/8 • 10 3/8



2223 • 10 3/8 • 10
T10 • T15 • T20
T25 • T30 • T40



8821 • 10 3/8 • 10 3/8
8821-5 • 8821-10



2204 • 10 3/8 • 10
5 • 6 • 7 • 8



880 E • 10 3/8 • 10
E 6 • E 7 • E 8
E 10 • E 12 • E 14



2250-2 • 10 3/8 • 10 3/8

HAZET No.	W x D mm		EAN-No. 4000896+
163-233/36	342x172	36	178100

Made in Germany

E R 10 3/8



880 • 10 3/8 • 10
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



8816 P • 10 3/8



8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10



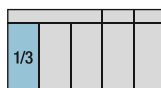
8820 • 10 3/8 • 10 3/8

HAZET No.	W x D mm		EAN-No. 4000896+
163-181/17	342x172	17	162345

163 Socket set

Made in Germany

E R 10 3/8



880 TZ • 10 3/8 • 10
9 • 10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21 • 22

HAZET No.	W x D mm		EAN-No. 4000896+
163-259/14	342x172	14	179558

163 Joint socket set

Made in Germany

E R 10 3/8

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



880 G • 10 3/8 • 10
10 • 12 • 13 • 14 • 16

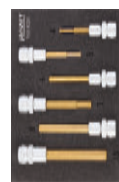
HAZET No.	W x D mm		EAN-No. 4000896+
163-249/5	172x50	5	180288

163 Screwdriver socket set

Made in Germany

TIN E 10 3/8

- Surface: TIN



8801 • 10 3/8 • 10
4 • 5 • 6 • 7 • 8 • 10

HAZET No.	W x D mm		EAN-No. 4000896+
163-302/6	172x114	6	190348

163 Tool set, TORX®

Made in Germany

TIN E 10 3/8

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: TIN



880 E • 10 3/8 • 10
E 8 • E 10 • E 12 • E 14



8802 • 10 3/8 • 10
T25 • T30 • T40 • T45 • T50

HAZET No.	W x D mm		EAN-No. 4000896+
163-252/9	172x50	9	178070



General workshop equipment

Tool Modules



163 Screwdriver socket set

Made in Germany

• Surface:

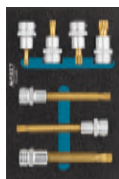
1/9				
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8808 • •
M 5 • M 6 • M 8 • M 10



8808 LG • •
M 8 • M 10



HAZET No.	W x D mm		EAN-No. 4000896+
163-460/7	172x114	7	204939

163 Socket set

Made in Germany

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



3/3+		
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850 • •
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 E • •
E 4 • E 5 • E 6 • E 7 • E 8



8501 • •
3 • 4 • 5 • 6



8502 • •
T 10 • T 15 • T 20
T 25 • T 27



8503 • •
1 x 5.5



8506 • •
PH 1 • PH 2



858-1 • •
1 x 5.5



863 P •

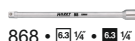


866 U •



867 • •

867-2 • 867-4



868 • •



869 • •



8858-1 • •



8858-2 • •



900 • •
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32



900 E • •
E 10 • E 12 • E 14
E 16 • E 18 • E 20



900 SZ • •
32 • 36



900 Z • •
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32



903 SLG • •
17 • 19



915 •



916 SP •



919 • •



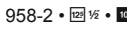
919-1 • 919-5 • 919-10



920 • •



958-1 • •



958-2 • •



992 • •
T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60



1058-2 • •



2223 • •
T 6 • T 7 • T 8 • T 9

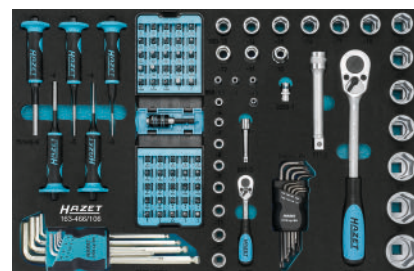


2250-1 • •

163 Tool set

Made in Germany

3/3		
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751 HS/5



850 • •
4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P •



867-2 • •



900 • •
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32



916 SP •



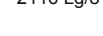
917-5 • •



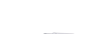
2105 Lg/9 H •



2116 Lg/8 H •



2240 N/51
 • • • • •



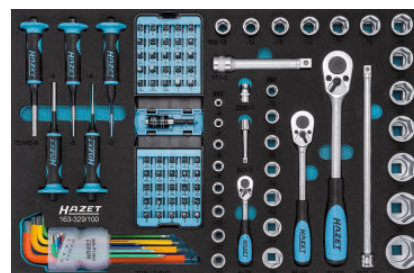
2250-1 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-466/106	342x172	106	205110

163 Tool assortment

Made in Germany

3/3		
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751 HS/5



850 • •
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 P •



867-2 • •



880 • •
10 • 12 • 13 • 14
16 • 17 • 19



8816 P •



8821-10 • •



900 • •
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32



916 SP •



917-5 • •



2105 Lg/9 H •



2240 N/51
 • • • • •



2250-1 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-329/100	519x342	100	191833



163 Socket / screwdriver set

2/3			
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810 SPC-6.3 •

850 • •
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

863 P •

867-2 • •

868 • •

869 • •

900 • •
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 •

916 SP •

917-5 • •

918-10 • •

920 • •

2204 • •
3 • 4 • 5 • 6 • 8

2208 • •
0.6x4.5 • 1x6 • 1.2x6.5

2215 • •
PH 1 • PH 3

2216 • •
PZ 1 • PZ 2

2223 • •
T 15 • T 20 • T 25 • T 30

2250-1 • •

2304 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-224/57	344x342	57	176311

163 Socket set

Made in Germany

2/3			
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900 • •
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34

915 •

916 SP •

917-5 • •

918-10 • •

920 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-102/27	344x342	26	145935

163 Socket set

Made in Germany

1/3			
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900 • •
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32

916 SP •

917-5 • •

920 • •

986 • •
5 • 6 • 7 • 8 • 10 • 12 • 14

992 • •
T 20 • T 25 • T 30
T 40 • T 45 • T 50

HAZET No.	W x D mm		EAN-No. 4000896+
163-272/32	342x172	32	181414

Made in Germany

Suitable for HAZET Assistant tool trolleys
173, 179, 179 W, 179 BIG-1, 179 XL,
179 XXL, 179 A XXL, 179 T XXL and
180 with a drawer depth of 398 mm

1/3			
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850 TZ • •
8

863 BK •

900 TZ • •
10 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19

916 K •

992 H • •
T 30H • T 40H • T 45H
T 50H • T 55H

2240 N/36

2304 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-376/54	172x392	54	196852

Made in Germany

1/3			
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900 • •
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27

916 SP •

917-5 • •

918-10 • •

920 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-191/18	342x172	18	162307



General workshop equipment

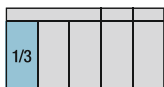
Tool Modules



163 Socket set

Made in Germany

E T 12 1/2



900 LG • 12 1/2 • 10
10 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24 • 27 • 30 • 32

HAZET No.	W x D mm		EAN-No. 4000896+
163-459/15	342x172	15	204649

Made in Germany

E T 12 1/2



900 S • 12 1/2 • 17
17 • 18 • 19 • 21
22 • 24 • 27



900 SLG • 12 1/2 • 17
17 • 18 • 19 • 21
22 • 24 • 27



9006 S • 12 1/2 • 12 1/2

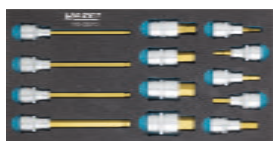
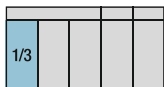
HAZET No.	W x D mm		EAN-No. 4000896+
163-463/15	342x172	15	205066

163 Screwdriver socket set

Made in Germany

TIN E 12 1/2

- With ball-head
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: TIN



986 • 12 1/2 • 5
5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19



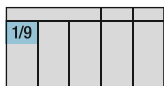
986 KK • 12 1/2 • 6
6 • 7 • 8 • 10

HAZET No.	W x D mm		EAN-No. 4000896+
163-220/13	342x172	13	168286

Made in Germany

TIN E 12 1/2

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: TIN



163 Screwdriver socket set

TIN E 12 1/2



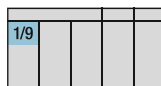
986 • 12 1/2 • 5
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19

HAZET No.	W x D mm		EAN-No. 4000896+
163-270/9	172x114	9	181063

Made in Germany

TIN E 12 1/2

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: TIN

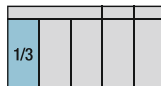


986 • 12 1/2 • 5
5 • 6 • 7 • 8 • 10

HAZET No.	W x D mm		EAN-No. 4000896+
163-215/5	172x114	5	168217

- Surface: TIN

TIN E 12 1/2



986 KK • 12 1/2 • 5
5 • 6 • 8 • 10



992 SLG • 12 1/2 • T30
T30 • T40 • T45 • T50

HAZET No.	W x D mm		EAN-No. 4000896+
163-468/8	342x172	8	205479

163 Tool set, TORX®

Made in Germany

E 12 1/2



900 E • 12 1/2 • E10
E10 • E12 • E14 • E16 • E18 • E20



992 • 12 1/2 • T30
T30 • T40 • T45 • T50 • T55 • T60

HAZET No.	W x D mm		EAN-No. 4000896+
163-245/12	172x114	12	178049



163 TORX® screwdriver socket set

Made in Germany

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



992 • •
T 20 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50 • T 55 • T 60

HAZET No.	W x D mm		EAN-No. 4000896+
163-271/9	172x114	9	181056

Made in Germany



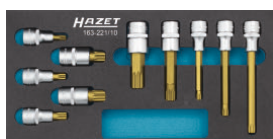
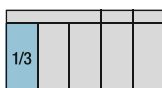
992 H • •
T 30H • T 40H • T 45H • T 50H • T 55H

HAZET No.	W x D mm		EAN-No. 4000896+
163-216/5	172x114	5	168224

163 Screwdriver socket set

Made in Germany

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



990 • •
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • •
M 8 • M 14



990 SLG • •
M 10 • M 12

HAZET No.	W x D mm		EAN-No. 4000896+
163-221/10	342x172	10	168262

163 Screwdriver socket set (XZN)

Made in Germany

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



163 Screwdriver socket set (XZN)



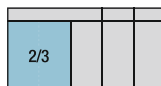
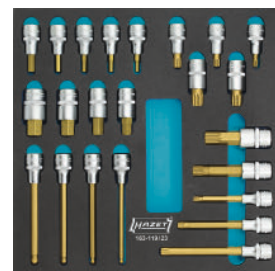
990 • •
M 6 • M 8 • M 10 • M 12 • M 14 • M 16 • M 18

HAZET No.	W x D mm		EAN-No. 4000896+
163-243/7	172x114	7	178032

163 Screwdriver socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



986 • •
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • •
6 • 7 • 8 • 10



990 • •
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • •
M 8 • M 14



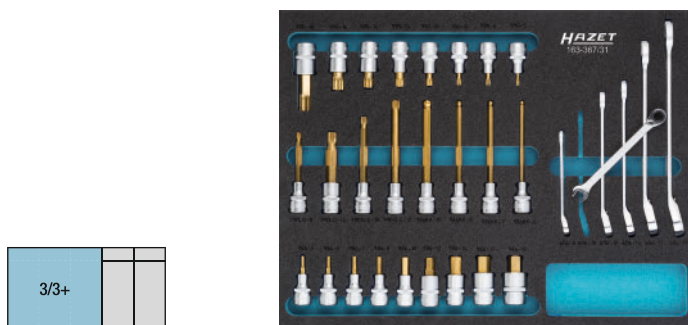
990 SLG • •
M 10 • M 12

HAZET No.	W x D mm		EAN-No. 4000896+
163-119/23	344x342	23	153510

163 Socket set

• Surface:

Suitable for HAZET Assistant tool trolleys
173, 179, 179 W, 179 BIG-1, 179 XL,
179 XXL, 179 A XXL, 179 T XXL and
180 with a drawer depth of 398 mm



606 • •
8 • 10 • 12 • 13 • 17 • 19



986 KK • •
6 • 7 • 8 • 10



990 LG • •
M 8 • M 14



986 • •
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



990 • •
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18



990 SLG • •
M 10 • M 12

HAZET No.	W x D mm		EAN-No. 4000896+
163-367/31	519x392	31	196739



163 Tool set, screwdrivers, pliers etc.



3/3		
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- 730
730-3 • 730-6
- 746-1
- 748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
- 760-2
- 801 K •
- 1x5.5

- 801 K •
- PH 2
- 803 •
- 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8
- 803 •
- PH 1 • PH 2
- 803 •
- T 10 • T 15 • T 20
T 25 • T 30

- 1802 M-22
- 1841 M b-33
- 1850 M-22
- 2140-50

HAZET No.	W x D mm		EAN-No. 4000896+
163-31/27	519x342	27	118618

163 Universal set



3/3		
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- 730
730-3 • 730-6
- 746-1
- 748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
- 759 N-2

- 801 K •
- 1x5.5
- 801 K •
- PH 2
- 803 •
- 0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8
- 803 •
- PH 1 • PH 2 • PH 3

- 1802 M-22
- 1841 M b-33
- 1850 M-22
- 2105 Lg/9 H •
- 2140-50

HAZET No.	W x D mm		EAN-No. 4000896+
163-120/24	519x342	24	153572

163 Tool set



3/3		
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- 751/6-2 C
- 810/6 •

- 810 T/6 •
- 810 U-1/5 •

- 1859 SPC/3
- 2105 LG/9 HC •
- 2140-40

HAZET No.	W x D mm		EAN-No. 4000896+
163-278/36	519x342	36	181605

163 Tool assortment



3/3		
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- 730-6
- 748 B
748 b-2 • 748 b-3
748 b-4 • 748 b-5
748 b-6 • 748 b-8
- 760-2

- 810/6 •
- 1803 M-33
- 1841 M a-33

- 1850 M-33
- 1953-35
- 2140-50
- 2150-1

HAZET No.	W x D mm		EAN-No. 4000896+
163-363/22	519x342	22	193912



3/3		
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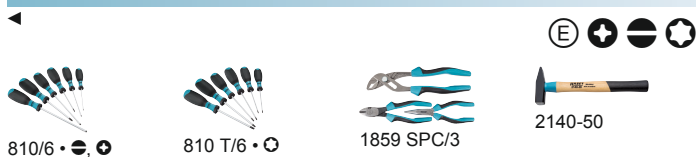


General workshop equipment

Tool Modules



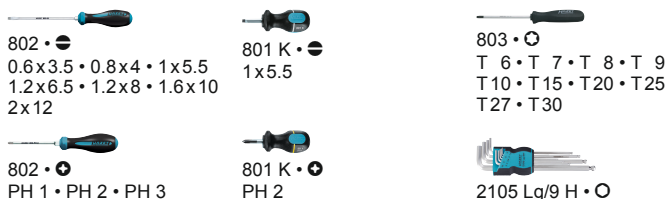
163 Tool assortment



HAZET No.	W x D mm		EAN-No. 4000896+
163-330/16	519x342	16	191826

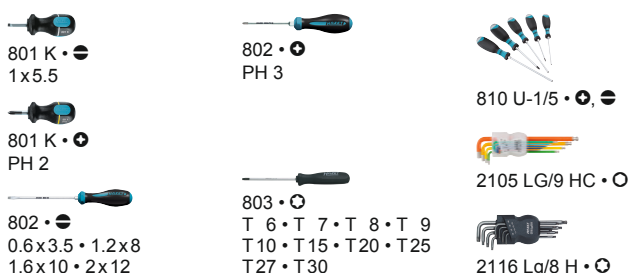
163 Screwdriver set

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



HAZET No.	W x D mm		EAN-No. 4000896+
163-141/31	519x392	31	151905

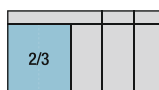
Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



163 Screwdriver set

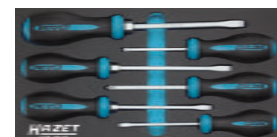
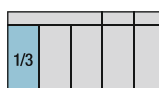


HAZET No.	W x D mm		EAN-No. 4000896+
163-373/39	519x392	39	196746

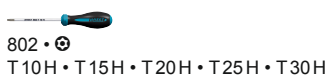
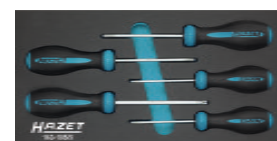
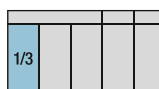


HAZET No.	W x D mm		EAN-No. 4000896+
163-297/26	344x342	26	186242

163 HEXAnamic® screwdriver set



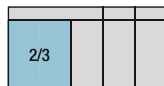
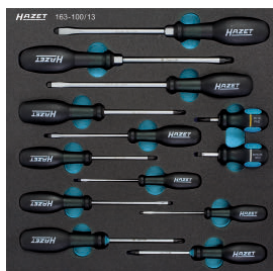
HAZET No.	W x D mm		EAN-No. 4000896+
163-184/6	342x172	6	161461



HAZET No.	W x D mm		EAN-No. 4000896+
163-185/5	342x172	5	161478



163 Screwdriver set



803 • •

0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8

801 K • •

PH 2

801 K • •

1x5.5

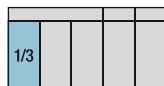
803 • •

PZ 1 • PZ 2

803 • •

PH 1 • PH 2 • PH 3

HAZET No.	W x D mm		EAN-No. 4000896+
163-100/13	344x342	13	145713



803 • •

0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4
1.2x6.5 • 1.2x8

803 • •

PH 1 • PH 2

801 K • •

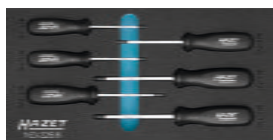
1x5.5

801 K • •

PH 2

HAZET No.	W x D mm		EAN-No. 4000896+
163-94/10	342x172	10	145652

163 TORX® screwdriver set



803 • •

T 10 • T 15 • T 20 • T 25 • T 27 • T 30

HAZET No.	W x D mm		EAN-No. 4000896+
163-225/6	342x172	6	177394

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



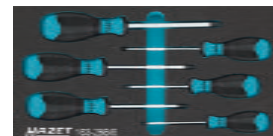
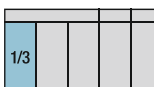
163 TORX® screwdriver set



803 • •

T 15 • T 20 • T 25 • T 30

HAZET No.	W x D mm		EAN-No. 4000896+
163-380/4	172x392	4	196814



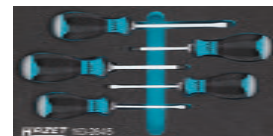
810 T/6 • •

HAZET No.	W x D mm		EAN-No. 4000896+
163-266/6	342x172	6	180615

163 Screwdriver set with impact cap



- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



810 U • •

0.8x4.5 • 1x5.5 • 1.2x7

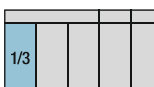
810 U • •

PH 1 • PH 2

HAZET No.	W x D mm		EAN-No. 4000896+
163-264/5	342x172	5	180592

163 Flexible socket set

Germany Made in Germany



426 • •

5 • 6 • 7 • 8 • 10

HAZET No.	W x D mm		EAN-No. 4000896+
163-461/5	342x172	5	204625



General workshop equipment

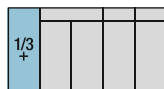
Tool Modules



163 Tool set

Made in Germany

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



426 • 6 • 7 • 8

2212 • 6 1/4 • 8 • 10
M 6 • M 8 • M 10

6420 b • 6 1/4 • 8 1/4
6420 c • 6 1/4 • 8 1/4

2211 • 6 1/4 • 8 • 10
M 4 • M 5

2250-5 • 125 1/2 • 8 1/4

HAZET No.	W x D mm		EAN-No. 4000896+
163-378/11	172x392	11	196807

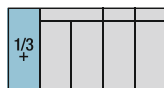
163 Socket set



428 • 8 • 10 • 13

HAZET No.	W x D mm		EAN-No. 4000896+
163-122/3	342x172	3	153534

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



428 • 8 • 10 • 13

HAZET No.	W x D mm		EAN-No. 4000896+
163-382/3	172x392	3	196821

163 T-handle screwdriver set



163 T-handle screwdriver set



828 • 6 • 7 • 8 • 9 • 10
T 6 • T 7 • T 8 • T 9 • T 10
T 15 • T 20 • T 25 • T 30

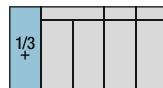
HAZET No.	W x D mm		EAN-No. 4000896+
163-182/9	342x172	9	162352

163 Pliers set

Made in Germany



Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



1802 M-33

1841 M a-11

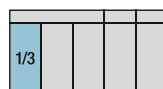
1850 M-33

1803 M-11

1841 M b-33

HAZET No.	W x D mm		EAN-No. 4000896+
163-375/5	172x392	5	196838

Made in Germany



760-2

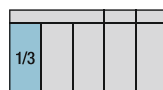
1802 M-22

1841 M b-33

1850 M-22

HAZET No.	W x D mm		EAN-No. 4000896+
163-257/4	342x172	4	179220

Made in Germany



760-2

1802-22

1841 a-22

HAZET No.	W x D mm		EAN-No. 4000896+
163-96/3	342x172	3	145676



163 Pliers set

Made in Germany

(E)

1/3				
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1859 SPC/3

HAZET No.	W x D mm		EAN-No. 4000896+
163-269/3	342x172	3	180776

Made in Germany

(E)

1/3				
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1802-11



1845 B-19



1841 a-22



1845 C-19



1841 b-33



1845 D-19



1845 A-19



1850-22

HAZET No.	W x D mm		EAN-No. 4000896+
163-465/8	342x172	8	205073

163 Circlip pliers set

Made in Germany

(E)

1/3				
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1845 A-19



1845 C-19



1845 B-19



1845 D-19

HAZET No.	W x D mm		EAN-No. 4000896+
163-124/4	342x172	4	153602

163 Pliers set

Made in Germany

(E)

2/3				
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757-10



1841 a-22



1846 c-2



760-2



1846 a-2



1846 d-2



1802-22



1846 b-2



1850-22

HAZET No.	W x D mm		EAN-No. 4000896+
163-424/9	342x344	9	202546

1/3				
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755-10 A



1803 M-11



1802 M-33



1841 M a-11

HAZET No.	W x D mm		EAN-No. 4000896+
163-121/4	342x172	4	153541

163 Hose clamp pliers set

Made in Germany

(E)

1/3				
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798-3



798-17



798-13

HAZET No.	W x D mm		EAN-No. 4000896+
163-425/3	342x172	3	202614



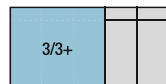
General workshop equipment

Tool Modules



163 Universal set

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



612 N • 10x11

666-5

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • -

1952-40

1976-2

1977-2/4

2140-40

2147 MS

2152/3

2154 N-5

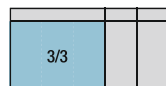
2157-1

4968-2

HAZET No.	W x D mm		EAN-No. 4000896+
163-372/25	519x392	25	196760

163 Tool set, hex-head wrenches, various tools

Made in Germany



730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6

824 • -

1952-35

1976

2105 Lg/9 H • O

2140-50

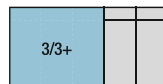
2147 MS

2154-2

HAZET No.	W x D mm		EAN-No. 4000896+
163-60/22	519x342	22	122851

163 Universal set

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm



426 • 6 • 7

612 N • 10x11

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • -

1952-40

2140-40

2152/3

2154 N-5

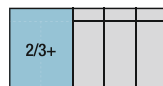
4968-2

HAZET No.	W x D mm		EAN-No. 4000896+
163-143/18	519x392	17	151929

163 Supplementary set for car body repair

Suitable for HAZET Assistant tool trolleys 173, 179, 179 W, 179 BIG-1, 179 XL, 179 XXL, 179 A XXL, 179 T XXL and 180 with a drawer depth of 398 mm

Assistant



757
757-5 • 757-7

821-1

1960-5

1961 L-3
1961 R-3

2140
2140-20 • 2140-100

HAZET No.	W x D mm		EAN-No. 4000896+
163-381/9	344x392	9	196869



163 Drift pin set

Made in Germany

(E)

1/3				
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730
730-3 • 730-6



HAZET No.	W x D mm		EAN-No. 4000896+
163-299/8	342x172	8	186723

163 Hammer set

Made in Germany

(E)

1/3				
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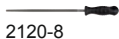
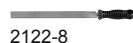
HAZET No.	W x D mm		EAN-No. 4000896+
163-464/3	342x172	3	205059

163 File set

Made in Germany

(E)

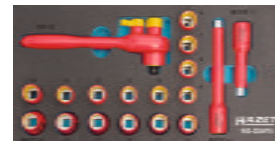
1/3				
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HAZET No.	W x D mm		EAN-No. 4000896+
163-426/4	342x172	4	202621

163 VDE socket set

1/3				
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880 VDE • $10 \frac{3}{8}$ • $\odot$
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22



8816 VDE • $10 \frac{3}{8}$

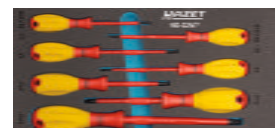


8821 VDE • $10 \frac{3}{8}$ • $10 \frac{3}{8}$
8821 VDE-3 • 8821 VDE-5

HAZET No.	W x D mm		EAN-No. 4000896+
163-230/18	342x172	18	177837

163 VDE screwdriver set

1/3				
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810 VDE • $\odot$
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4



810 VDE • $\odot$
PH 1 • PH 2 • PH 3

HAZET No.	W x D mm		EAN-No. 4000896+
163-229/7	342x172	7	177844

163 VDE pliers set

Made in Germany

1/3				
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759 N-2 VDE



1841 b VDE-33



1850 VDE-22



1803 VDE-22

HAZET No.	W x D mm		EAN-No. 4000896+
163-226/4	342x172	4	177875





General workshop equipment

Tool Modules



163 VDE pliers set

Made in Germany



1/3			
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1802 VDE-22



1804 VDE-33



1860 VDE-11

HAZET No.	W x D mm		EAN-No. 4000896+
163-227/3	342x172	3	177868

163 Insert open-end wrench set

Made in Germany



1/9			
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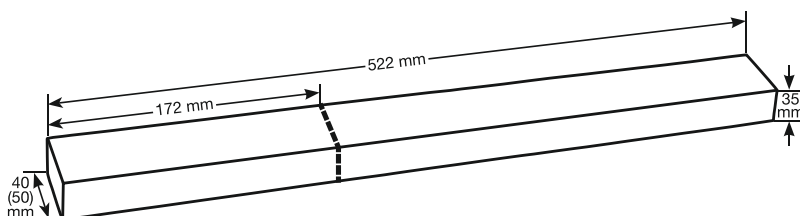


6450 D • 17 • 19 • 22 • 24 • 27

HAZET No.	W x D mm		EAN-No. 4000896+
163-462/5	172x114	5	204663

163 L Soft foam insert with compartments for small pieces

- **Safety-Insert-System** – all tools are snugly embedded
 - **Missing tools are noticed immediately**
 - Suitable for all HAZET tool trolleys *Assistant* with screws
- For tool trolleys *Assistant* 173, 179, 179 BIG-1, 179 XL and 180 we recommend using the plastic insert 173-36/5 or the soft foam inserts 163-522x40 or 163-522x50



HAZET No.	W x D mm	EAN-No. 4000896+
2-component soft foam insert, empty 163-130 L	342x172	153589
• 1 compartment for small pieces • H 33xW 172xD 50 mm • Suitable for <i>Assistant</i> 173, 179 and 179 W		
163-172x50	–	154692
• 3 compartments for small pieces • H 33xW 522xD 40 mm • Suitable for <i>Assistant</i> 180		
163-522x40	–	141050
• 3 compartments for small pieces • H 33xW 522xD 50 mm • Suitable for <i>Assistant</i> 173, 179 and 179 W		
163-522x50	–	141043







Hand tools



Wrenches

122–134

Range of Sockets

135–194

Screwdrivers / Bits

195–218

Pliers

219–232

Hammer / Chisel / Center Punch

234–239

Pullers / Extractors

240–249

Grinding, Separation and Cutting

250–253

Thread repair

254–257

Measurement

257–258

VDE tools

259–269



Manufacturing process of a HAZET combination wrench

- 1 Cut to size
- 2 Forging
- 3 Blank trimmed
- 4 Blank sand blasted
- 5 Open-end head milled
- 6 Box-end head broached
- 7 Fine-ground (Head and handle)
- 8 Hardened and tempered
- 9 Vibratory ground
- 10 Sand blasted
- 11 Heads polished
- 12 Nickel- and chrome-plated

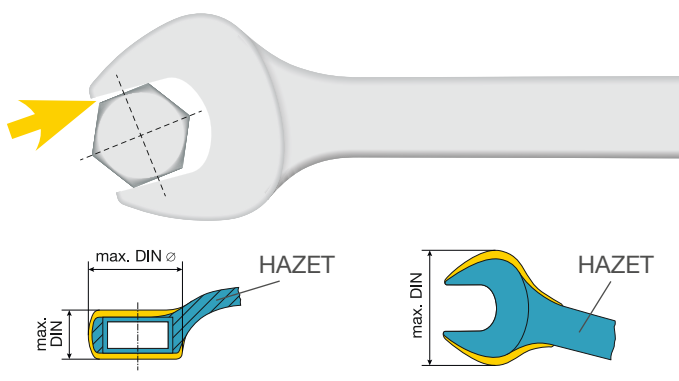
Wrench tolerances

Precision work for perfectly fitting nominal dimension

Tolerance achieved by HAZET



Permissible tolerance in accordance with DIN standard



HAZET wrench – high precision tightening and loosening of screw connections

- Long service life due to:
 - High-quality chrome vanadium steel
 - Compacted material structure from drop forging
 - Careful heat treatment
 - Correct hardness and dimensional stability as guarantors of wear resistance and high load capacity
- Shape, dimensions and surface design are perfectly coordinated to one another which guarantees functional handling and meets ergonomic requirements
- **Slim construction** through optimum material composition guarantees sufficient freedom of movement even with hard-to-reach screw connections
- HAZET torque values are considerably higher than the DIN ISO requirements for all wrench sizes – here DIN is the minimum requirement
- Slim open-end and box-end head shape does not reduce the wrench's load-bearing capacity, although this is well below the maximum permissible limit value according to DIN ISO



Comparison of the HAZET traction profile with conventional screw profiles

HAZET traction profile

The HAZET traction profile has been especially developed for HAZET wrenches without sharp edges or points. A strong and also safe transfer of torque is ensured by the protected contact surface of the traction profile in the screw head. This reduces the notching effect in the tool

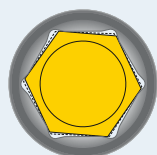
to a minimum and protects the screw head from damage, such as deformations or wearing of corners. Even damaged screws can still be turned safely and effectively, because slipping out and sliding off are virtually ruled out.



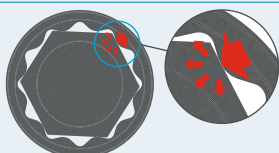
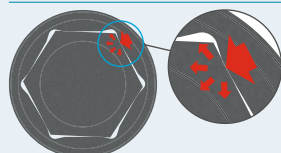
6-point



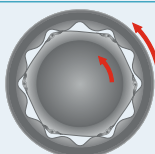
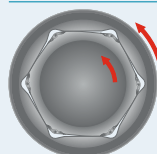
12-point



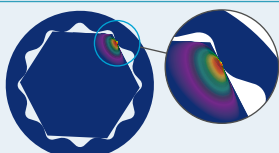
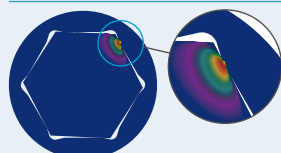
More secure friction lock thanks to protected contact surface (also for screws outside the tolerance).



Equal distribution of force on the screw head edges. No straight turning of the screw head due to a changed point of application.



Secure loosening of slightly damaged or worn screw heads thanks to a gentle transfer of torque. The tool is prevented from sliding out.

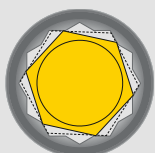
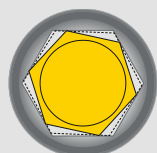


Up to 20% higher torques thanks to an optimal friction lock.

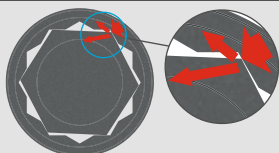
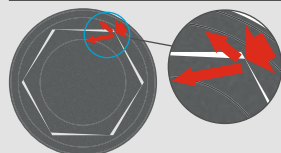
Conventional screw profiles

6-point

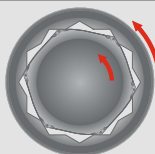
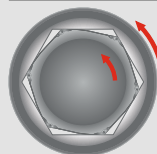
12-point



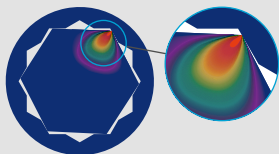
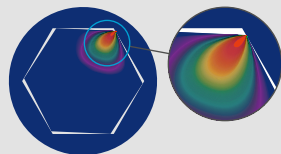
Poorer friction lock due to an unprotected contact surface. Slipping out when working with screws poses the risk of injuries or damage to components. The torque can no longer be safely applied.



Sharp edges or points increase the risk of a notching effect and in the worst cases can damage or destroy the screw profile of the tool.



Because the wrench slides out when the screw heads are damaged (e.g. straight-turned), the loosening process becomes more difficult or impossible. An effective transfer of the required torque is no longer possible.



Force acts primarily on the point of the screw profile. This isolated loading causes damage to the screw profile.



Overview of HAZET wrenches

Which wrench in which size

Product group		Designation	Design	Wrench size			as set	
				metric mm	inches "	TORX®		
	450 N	Double open-end wrench	- Slim heads - Shank with sturdy HAZET double-T-profile	4 x 5 – 46 x 50	1/4 x 5/16 – 1 1/16 x 1 1/4		450 N/10 450 N/12 450 N/8 RS 450 N/12 N RS 163-95/8	127
	440	Double open-end wrench	- Forged - Short, thin design	3.2 – 14			440/14 P	128
	279 (V)	Open-End Wrench, adjustable	With scale	13 – 34	0.5 – 1.3			128
	600 N (A)	Combination wrench	- Long, slim design - Slim heads - Shank with sturdy HAZET double-T-profile	5.5 – 80	1/4 – 1 1/2		600 N/12 N 600 N/17 N 600 N/21 600 N/30 163-98/17 163-292/8 600 N A/10 600 N A/12-1	128
	600 Lg	Combination wrench, extra long	- At least 25 % longer than comparable standard spanners - Better accessibility with low-lying screw connections	10 – 32			600 Lg/8 600 Lg/12	129
	603	Combination wrench	Box-end head 10° offset	5.5 – 32			603/17 N 603/17 H 163-99/18	130
	606	Ratcheting combination wrench	For the operation of screw connections in areas with restricted access	8 – 32			606 N/12 606 N/6 606/6-1 163-366/18 163-186/16 606/4 SPC 163-97/6	131
	610 N	Double box-end wrench	Ergonomically shaped, heads offset	6 x 7 – 30 x 34			610 N/8 610 N/8 RS 610 N/12 RS	131
	630 (A)	Double box-end wrench	- Deep offset - Heads thin-walled	6 x 7 – 36 x 41	1/4 x 5/16 – 1 1/16 x 1 1/4		630/8 630/12 163-101/9 163-296/7	132
	615	Double box-end wrench	Bent style	11 x 13 – 17 x 19				133
	612 (N)	Double box-end wrench (open)	For tube connections, union nuts and male fittings for pipes	8 x 10 – 30 x 32				133
	609	TORX® double box-end wrench	Straight design			E 6 x E 8 – E 20 x E 24		134
	645	Flexible head wrench	Flexible 12-point socket on both sides	8 x 9 – 16 x 17				134
	452	Open-end wrench – striking face pattern	Heavy, forged design	27 – 100				134
	642	Box-end wrench, striking face pattern	Heavy, forged design	27 – 100				134
	848 Z	Box-end wrench 12-point, open	6.3 1/4	10 – 14				150
			10 3/8	16 – 27				161
			12.5 1/2	30 – 46				172



Do you know?



HAZET tools have an elaborate surface

Why matt chrome-plated?

- The safer chrome plating because it adheres optimally to the steel
- Good grip, can even be securely held with dirty hands
- Glare-free look
- Looks subtle and elegant
- Double protection against corrosion

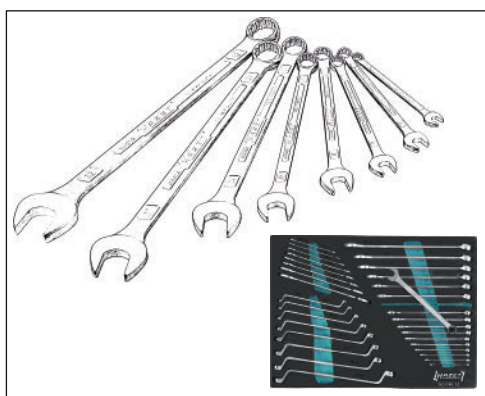
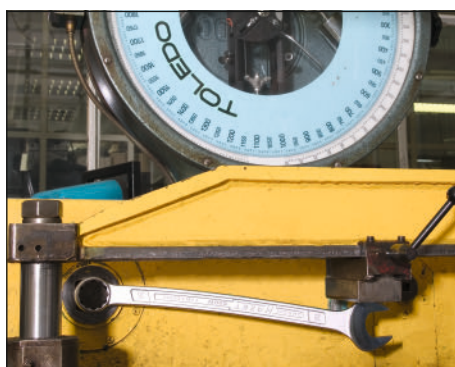


Tightening torques

Screw size	Quality range	3.6	5.6	6.9	8.8	10.9	12.9	Minimum testing torque	
Thread	Size	Nm	Nm	Nm	Nm	Nm	Nm	Ring as per DIN Series A	Jaws as per DIN Series A
M6	10	3	4	8	10	14	17	58,1	24,8
M7	11	5	7	14	17	24	28	72,7	32,3
M8	13	8	10	21	25	35	42	107	51,6
M10	17	16	21	42	50	70	85	201	109
M12	19	28	38	73	87	122	147	261	149
M14	22	45	60	116	138	194	235	368	225
M16	24	59	93	178	210	299	357	451	287
M18	27	95	127	245	289	411	490	594	399
M20	30	135	180	348	411	578	696	760	536
M22	32	182	245	470	558	784	941	884	642
M24	36	230	308	598	710	1000	1196	1165	894
M27	41	343	460	887	1049	1480	1480	1579	1154
M30	46	465	622	1206	1421	2010	2402	2067	1453
M33	50	632	848	1627	1931	2716	3265	2515	1716
M36	55	813	1088	2098	2481	3491	4197	3140	2077
M39	60	1059	1412	2716	3226	4530	5442	3849	2471
M42	65	1304	1745	3363	3991	5609	6727	4021	2900
M45	70	1637	2177	4207	4991	7011	8414	4658	3364



A well-made tool.



From HAZET!





Hand tools

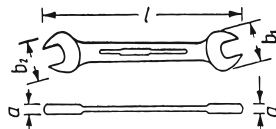
Wrenches



450 N Double open-end wrench

Made in Germany

- Slim heads
- Shank with sturdy HAZET double-T-profile
- Head setting: 15°
- Surface: chrome-plated
- DIN 3110, ISO 10102



* = Not according to DIN

HAZET No.	a mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
450 N- 4x5 *	3.2	11.4	13.2	99.5	020683
450 N- 5x5.5 *	3.6	13.4	15.1	99.6	020706
450 N- 6x7	3.5	15.1	17.1	121.3	020713
450 N- 8x9	3.8	18.5	21	139	020744
450 N- 8x10	4.1	19	23.2	140.1	020737
450 N-10x11	4.6	23.2	25.2	155.7	020355
450 N-10x13	5.1	25.1	29.9	172	020362
450 N-12x13	5.1	27.1	29.1	172.7	020386
450 N-13x17	6	29.3	36	205.5	020423
450 N-14x15	5.7	30.9	32.8	187.8	020430
450 N-16x17	6	34.8	37	205.7	020454
450 N-16x18	6	34.8	38.3	205.7	020461
450 N-17x19	6.7	37.4	40.6	220.9	020478
450 N-18x19	6.7	38.6	40.6	221.2	020485
450 N-20x22 *	7	43.9	47.8	238.9	020515
450 N-21x22	7	44.8	46.8	238	020522
450 N-21x23 *	7.1	44.8	48.8	246	020539
450 N-22x24	7.1	47.8	51.9	254.6	020553
450 N-24x26 *	7.8	50.9	54.9	269.4	020560
450 N-24x27	7.8	50.9	57	269	020577
450 N-25x28 *	8.4	53.4	59	284.2	020584
450 N-27x32	9.1	58	67.3	303.8	020607
450 N-30x32	9	63.4	67.3	303.4	020614
450 N-32x36	10.1	66.9	75.2	343.2	020638
450 N-34x36	10.1	67.9	74.5	343.2	020645
450 N-36x41	10.5	74.6	81.1	396.7	020652
450 N-41x46	11.4	85.5	94.4	439.5	020669
450 N-46x50	12.3	94.3	102.2	498	020676

450 N Double open-end wrench set

Made in Germany



HAZET No.	EAN-No. 4000896+
450 N • ● 6x7 • 8x9 • 10x11 • 12x13 • 14x15 16x17 • 18x19 • 21x22 • 24x26 • 27x32	
450 N/10	020751
450 N • ● 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32	
450 N/12	020775

450 N Double open-end wrench set

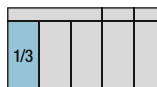
Made in Germany

- Suitable for wall fixation
- Plastic tool holder



HAZET No.	L x W x H mm	EAN-No. 4000896+
450 N • ● 6x7 • 8x9 • 10x11 • 12x13 14x15 • 16x17 • 18x19 • 21x22		
450 N/8 RS	260x110x55	020867
• With carrying handle		
450 N • ● 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 30x32		
450 N/12 N RS	340x165x75	020805

Made in Germany

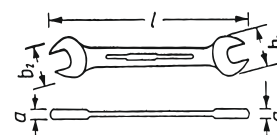


HAZET No.	W x D mm	EAN-No. 4000896+
450 N • ● 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22		
163-95/8	342x172	145669

450 NA Double open-end wrench

Made in Germany

- Slim heads
- Shank with sturdy HAZET double-T-profile
- Head setting: 15°
- American dimensions
- Surface: chrome-plated
- DIN 895



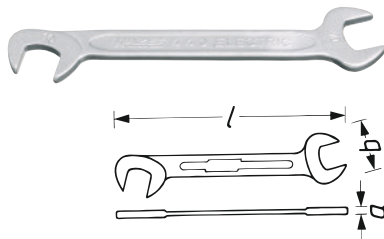
HAZET No.	a mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
450 N A-1/4x5/16 VKH	3	17.1	18.5	129.9	020911
450 N A-5/16x3/8 VKH	4.1	19	23.2	140.1	020973
450 N A-3/8x7/16 VKH	4.6	23.2	25.2	155.7	020966
450 N A-1/2x9/16 VKH	5.1	30.1	31	172.4	020904
450 N A-9/16x5/8 VKH	5.7	32.4	35.4	189.8	021000
450 N A-19/32x11/16 VKH	6	34.8	38.3	205.7	020935
450 N A-5/8x3/4 VKH	6.7	37.4	40.6	220.9	020980
450 N A-25/32x7/8 VKH	7	43.9	47.8	238.9	020959
450 N A-7/8x15/16 VKH	7.1	47.8	51.9	254.6	020997
450 N A-15/16x1 VKH	7.8	50.9	54.9	269.4	020928
450 N A-1x1 1/8 VKH	8.4	53.4	59	284.2	020942
450 N A-1 1/16x1 1/4 VKH	9	58	67.3	303.8	020881



440 Double open-end wrench

Made in Germany

- Forged design
- Same wrench sizes
- Short, thin style
- Head setting: 15° x 75°
- Surface: chrome-plated



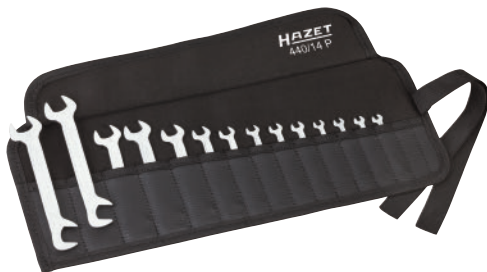
HAZET No.	a mm	b mm	l mm	EAN-No. 4000896+
440- 3.2	2	10.5	70	020119
440- 3.5	2	10.5	70	020126
440- 4	2	10.5	70	020133
440- 4.5	2	10.5	70	020140
440- 5	2	12.6	78	020157
440- 5.5	2	12.6	78	020164
440- 6	2	12.6	78	020171
440- 7	2	14.7	91	020188
440- 8	3	16.8	96	020195
440-10	3	21	105	020065
440-11	3	24.2	116	020072
440-12	3	24.2	116	020089
440-13	3	28.3	131	020096
440-14	3	28.3	131	020102

440 Double open-end wrench set

Made in Germany

- Plastic roll

440 • ●
3.2 • 3.5 • 4 • 4.5 • 5
5.5 • 6 • 7 • 8 • 10
11 • 12 • 13 • 14

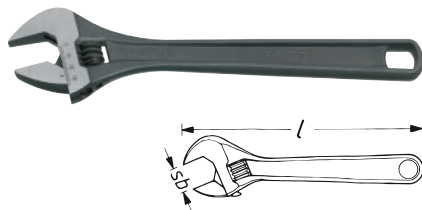


HAZET No.	EAN-No. 4000896+
440/14 P	178759

279 Open-End Wrench, adjustable

Adjustable wrench

- With scale
- Head setting: 15°
- Surface: phosphatised, mirror highly polished
- ISO 6787

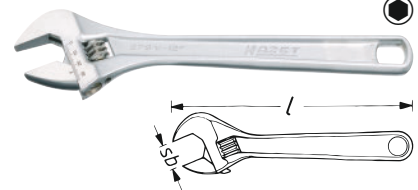


HAZET No.	l mm	sb mm	EAN-No. 4000896+
279- 4	109	13	018086
279- 6	158	18	018093
279- 8	205	23	018109
279-10	255	28	018048
279-12	308	34	018055
279-15	382	43	018062
279-18	458	53	018079

279 V Open-End Wrench, adjustable

Adjustable wrench

- With scale
- Head setting: 22.5°
- Surface: chrome-plated, mirror bright chrome-plated
- ISO 6787

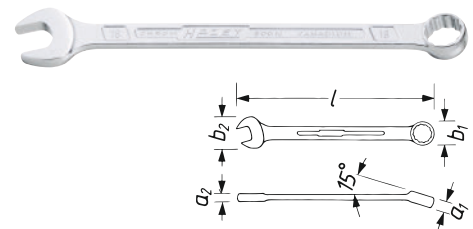


HAZET No.	l mm	sb mm	EAN-No. 4000896+
279 V- 6	158	18	018178
279 V- 8	205	23	018185
279 V-10	255	28	018147
279 V-12	308	34	018154

600 N Combination wrench

Made in Germany

- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- Surface: chrome-plated, head polished
- DIN 3113 form A, ISO 3318, ISO 7738



* = Not according to DIN

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
600 N- 5.5 *	6	4	9.6	15.5	105	023288
600 N- 6	6	4	9.6	15.5	105	023295
600 N- 7	6.6	4	10.9	17.5	118.5	023301
600 N- 8	7	4.5	12	18.5	130	023318
600 N- 9	8	4.5	13.7	21	143	023325
600 N-10	8	5	15	23	154.5	023028
600 N-11	8.4	5.5	15.9	25.5	168.5	023035
600 N-12	9	5.5	17.8	27.5	180.5	023042
600 N-13	10	6.3	19	29	193	023059
600 N-14	10	6.5	20.1	31	204.5	023073
600 N-15	11	7	21.4	32.5	218	023080
600 N-16	11.4	7	23.1	35	230.5	023097
600 N-17	12.4	7.5	24.5	37	242.5	023103
600 N-18	13	8	26	39	255	023110
600 N-19	13.5	8	27.5	41	268.5	023127
600 N-20 *	13.5	8.5	29	43	279.5	023134
600 N-21	13.7	8.5	30	45	292	023141
600 N-22	14	8.5	31.5	47	304.5	023158
600 N-23 *	14.3	9.5	33	49	328	023165
600 N-24	14.7	9.5	34.5	51	328	023172
600 N-25 *	15	10	36	53.5	354	023189
600 N-26 *	15.5	10	37.5	55	354	023196
600 N-27	16	10.5	39	57	380	023202
600 N-28 *	16.5	11	40.5	59	380	023219
600 N-29 *	17	11.5	41.5	60	380	023226
600 N-30	17.5	12.2	43	63	405.5	023233
600 N-32	18	12	45.5	66.5	420	023240
600 N-34	19	13	48.5	67	432	023257
600 N-36	20	13	51.8	75	460	023264
600 N-41	20.6	14	58.8	85	500	023271

* = Not according to DIN

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
• Box-end head 10° offset						
• DIN 3113 form B, ISO 3318, ISO 7738						
600 N-46	24	15	69	95	520	048564
600 N-50	26	16.5	75	103	560	048571
600 N-55	28	18	84.5	113	610	048588
600 N-60	31	20	90	123	660	048595
600 N-65 *	33	22	98	133	710	048601
600 N-70 *	35	24	105	143	760	048618
600 N-75 *	38	26	110	153	810	048625
600 N-80 *	41	28	119	163	860	048632



Hand tools

Wrenches



600 N Combination wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
600 N • ☉		
10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22		
600 N/12 N	12	023332
600 N • ☉		
7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27		
600 N/17 N	17	023349
600 N • ☉		
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16		
17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32 • 34		
600 N/21	21	023356
600 N • ☉		
5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19		
20 • 21 • 22 • 23 • 24 • 25 • 26 • 27 • 28 • 29 • 30 • 32 • 34 • 36 • 41		
600 N/30	30	023363

600 N Tool set in Safety-Insert-System

Made in Germany



2/3			
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HAZET No.	W x D mm		EAN-No. 4000896+
600 N • ☉			
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24			
163-98/17	344x342	17	145690

Made in Germany



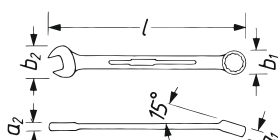
1/3			
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HAZET No.	W x D mm		EAN-No. 4000896+
600 N • ☉			
10 • 11 • 13 • 14 • 15 • 17 • 19 • 22			
163-292/8	342x172	8	186372

600 NA Combination wrench

Made in Germany

- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- American dimensions
- Surface: chrome-plated



600 NA Combination wrench

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
600 N A-1/4	6	4	9.6	15.1	105	023493
600 N A-5/16	7	4.5	12	18.3	130	023554
600 N A-3/8	8	5	15	23.1	154.5	023547
600 N A-7/16	8.4	5.5	15.9	25.3	168.5	023578
600 N A-1/2	10	6.3	19	29.1	193	023486
600 N A-9/16	10	6.5	20	30.9	204.5	023592
600 N A-5/8	11.4	7	23.1	34.7	230	023561
600 N A-11/16	12.4	7.5	25	36.6	242.5	023509
600 N A-3/4	13.5	8	27.5	40.6	268	023530
600 N A-13/16	13.7	8.5	30	44.6	292	023516
600 N A-7/8	14	8.5	31.5	46.8	304	023585
600 N A-15/16	14.7	9.5	34.5	50.7	328	023523
600 N A-1	15.5	10	37.5	54.7	354	023400
600 N A-1 1/8	17	11.5	41.5	59.7	380	023448
600 N A-1 1/4	18	12	45.2	66.4	420	023431
600 N A-1 5/16	19	13	48.5	66.7	432	023462
600 N A-1 1/2	20.5	13.7	54.7	77.1	486	023424

600 NA Combination wrench set

Made in Germany

- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- American dimensions



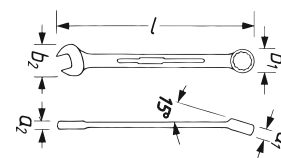
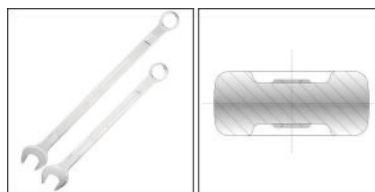
HAZET No.		EAN-No. 4000896+
600 NA • ☉		
1/4 • 5/16 • 3/8 • 7/16 • 1/2 • 9/16 • 5/8 • 3/4 • 7/8 • 1		
600 NA/10	10	023608
600 NA • ☉		
1/4 • 5/16 • 3/8 • 7/16 • 1/2 • 9/16 • 5/8 • 3/4 • 7/8 • 1 • 1 1/8 • 1 1/4		
600 NA/12-1	12	023615

600 LG Combination wrench, extra long

Made in Germany

- Loading capacity at least twice as high as DIN

- At least 25 % longer than comparable standard spanners for larger power transmission
- Better accessibility with low-lying screw connections
- Shank with extra sturdy double-T-profile slim design
- Surface: chrome-plated



HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
600 Lg-10	8.5	5.5	16.5	23.1	210	197644
600 Lg-11	9	5.5	18	25.1	220	199518
600 Lg-12	9.5	6	19.5	27	230	199501
600 Lg-13	10	6	20.8	29.1	245	198238
600 Lg-14	11	6.5	22.5	30.9	255	197651
600 Lg-17	12.5	7.5	26.5	36.6	305	197668
600 Lg-19	15	8.5	29.5	40.6	335	198245
600 Lg-22	16	9	33.7	46.8	380	199525
600 Lg-24	18	10	36.5	50.7	430	198252
600 Lg-27	20	11	40.5	56.6	480	198269
600 Lg-30	21	12	45.1	63.1	510	199723
600 Lg-32	21.5	12	47.6	66.4	530	197675



600 LG Combination wrench, extra long

Made in Germany

• Loading capacity at least twice as high as DIN

- At least 25 % longer than comparable standard spanners for larger power transmission
- Better accessibility with low-lying screw connections
- Shank with extra sturdy double-T-profile slim design
- Surface: chrome-plated

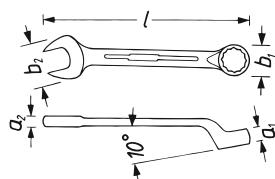


HAZET No.		EAN-No. 4000896+
600 LG		
10 • 13 • 14 • 17 • 19 • 24 • 27 • 32		
600 Lg/8	8	199938
600 LG		
10 • 11 • 12 • 13 • 14 • 17 • 19 • 22 • 24 • 27 • 30 • 32		
600 Lg/12	12	202492

603 Combination wrench

Made in Germany

- Box-end head 10° offset
- Surface: chrome-plated
- DIN 3113 form B, ISO 3318, ISO 7738



+ = box-end with hexagon opening
* = 603-5.5 not according to DIN

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
603- 5.5 + *	4.7	3.7	9.8	14.1	90	023929
603- 6 +	5.1	4	10.5	14.9	100	023950
603- 7 +	5.5	4.3	12.2	16.8	110	023981
603- 8 +	5.9	4.5	13.1	18.3	120	024018
603- 9 +	6.3	4.5	14.6	21	130	024025
603-10	6.7	5	15.6	23	137	023691
603-11	7.1	5.2	17.1	25	145	023714
603-12	7.6	5.4	18.4	26.8	152	023721
603-13	8	5.6	19.9	28.8	160	023738
603-14	8.5	5.8	21.4	30.7	170	023752
603-15	9	6	22.5	32.6	180	023769
603-16	9.5	6.2	24	34.6	190	023776
603-17	10	6.4	25.5	36.5	200	023783
603-18	10.5	6.7	26.9	38.6	210	023790
603-19	11	7	28.4	40.6	220	023806
603-21	12	7.6	30.7	44.8	240	023820
603-22	12.5	7.9	32.2	46.8	250	023837
603-24	13.5	8.5	35.1	51	270	023844
603-27	15	9.3	38.5	57.3	305	023868
603-30	16	10	42.7	63.4	340	050260
603-32	17	10.5	45.5	67.2	360	023882

603 Combination wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
603 • ●		
7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27		
603/17 N	17	024063

Made in Germany

• In clip for wall fixation



HAZET No.		EAN-No. 4000896+
603 • ●		
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24		
603/17 H	17	024049

Made in Germany



2/3			
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HAZET No.	W x D mm		EAN-No. 4000896+
603 • ●			
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27			
163-99/18	344x342	18	145706



Hand tools

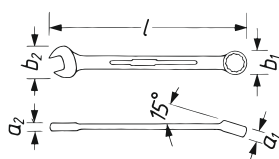
Wrenches



606 Ratcheting combination wrench

- For the operation of screw connections in areas with restricted access, ratchet function enables continuous working

- Long, slim design
- Shank with sturdy HAZET double-T-profile
- Box-end wrench with reversible ratchet
- Fine-tooth, 72 teeth, rotation angle 5°
- s 8 and 9: 60 teeth, rotation angle 6°
- Box-end side 13° offset
- Head setting: 15°
- Surface: chrome-plated



HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
606- 8	6.8	4.9	16.8	16.7	129.9	100941
606- 9	7.2	5.2	18.5	18.8	143	100958
606-10	7.6	5.6	20.1	20.9	154.5	100965
606-11	8	6	21.7	23	168.6	100972
606-12	8.5	6.4	22.9	25.9	180.3	100989
606-13	8.9	6.7	24.9	27.2	193.2	100996
606-14	9.3	7.1	27.2	29.3	204.6	101009
606-15	9.7	7.4	28.6	31.3	218	101016
606-16	10.2	7.7	30.1	33.4	230.2	101023
606-17	10.6	8.1	32	35.5	242.2	101030
606-18	11	8.5	32.9	37.6	255	101047
606-19	11.5	9.1	34.1	39.7	268.3	101054
606-21	13.3	12	44.3	48.3	291.5	151233
606-22	13.3	12	44.3	48.3	291.5	151028
606-24	14.8	12.5	51.2	53.5	333.1	151011
606-27	15.8	14.7	54.9	60.2	359.2	151004
606-30	17.3	15.2	60.8	67	402.5	150991
606-32	17.8	15.7	64.2	71	425.8	150984

606 Ratcheting combination wrench set

- Long, slim design
- Shank with sturdy HAZET double-T-profile
- Box-end wrench with reversible ratchet
- Fine-tooth, 72 teeth, rotation angle 5°
- s 8 and 9: 60 teeth, rotation angle 6°
- Box-end side 13° offset
- Head setting: 15°
- Surface: chrome-plated



HAZET No.	L x W x H mm	EAN-No. 4000896+
606 • ● 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19	355x235x65	197378
606 • ● 8 • 10 • 12 • 13 • 17 • 19	355x235x65	196937

606 Ratcheting combination wrench set

- Long, slim design
- Shank with sturdy HAZET double-T-profile
- Box-end wrench with reversible ratchet
- Fine-tooth, 72 teeth, rotation angle 5°
- s 8 and 9: 60 teeth, rotation angle 6°
- Box-end side 13° offset
- Head setting: 15°
- Surface: chrome-plated



HAZET No.	EAN-No. 4000896+
606 • ● 21 • 22 • 24 • 27 • 30 • 32	175178

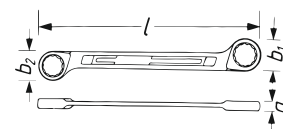


HAZET No.	W x D mm	EAN-No. 4000896+
606 • ● 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32	519x342	196920
606 • ● 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 606/4 SPC	344x342	162253
606 • ● 8 • 10 • 12 • 13 • 17 • 19	342x172	145683

610 N Double box-end wrench

Made in Germany

- Ergonomically shaped, heads offset
- Shank with sturdy HAZET double-T-profile
- Surface: chrome-plated, head polished
- DIN 837 form B, ISO 10103



* = Not according to DIN

HAZET No.	a mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
610 N- 6x7	4.5	9.6	11	97.9	024940
610 N- 8x9	5.2	12.3	13.6	113.3	024957
610 N-10x11	6	14.9	16.2	125.3	024735
610 N-12x13	6.2	17.8	18.9	139	024742
610 N-14x15	7	20.2	21.5	154.5	024780
610 N-16x17	7.5	22.7	24.1	170	024797
610 N-18x19	8.5	26	27	188.6	024827
610 N-20x22 *	9	28.4	30.4	208.8	024834
610 N-21x22 *	10	29.8	32.2	232.3	024841
610 N-21x23 *	10	29.8	32.7	232.3	024858
610 N-24x26 *	11	34.1	37	254	024872
610 N-25x28 *	11.5	35.5	39.8	280.1	024896
610 N-27x32	13	38.9	45.4	308.7	024902
610 N-30x32	13	42.7	45.4	324.1	024919
610 N-30x34	14	42.7	48	326.7	024926



610 N Double box-end wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
610 N • 8	8	024995

Made in Germany

- Suitable for wall fixation
- Plastic tool holder

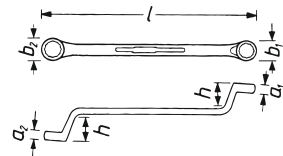


HAZET No.	L x W x H mm		EAN-No. 4000896+
610 N • 8	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22		
610 N/8 RS	260x110x55	8	025008
• With carrying handle			
610 N • 12	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32		
610 N/12 RS	340x165x75	12	024988

630 Double box-end wrench

Made in Germany

- Deep offset
- Heads thin-walled
- Surface: chrome-plated, head polished
- DIN 838, ISO 10104



+ = Matt chrome-plated
* = Not according to DIN

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	h mm	l mm	EAN-No. 4000896+
630- 6x7	6	6.5	10.5	12.2	18	165	026555
630- 8x9	7	7.5	13.1	14.6	20.5	180	026579
630-10x11	8	9	15.6	17.1	23.5	200	026227
630-12x13	9	9.5	18.4	19.9	25	220	026241
630-14x15	10	10.5	21.4	22.5	27	240	026296
630-16x17	11	11.3	24	25.5	29	255	026302
630-17x19	11.3	11.9	25.5	28.4	29	265	026326
630-18x19	11.6	11.9	26.9	28.4	31	265	026333
630-20x22 *	12.2	12.9	29.3	32.2	32.5	295	026364
630-21x22	12.9	12.9	30.7	32.2	32.5	295	026371
630-21x23 *	12.5	13.2	30.7	33.6	34	315	026388
630-24x26 *	13.5	14.1	35.1	37.1	34	330	026401
630-24x27	13.5	14.4	35.1	38.5	35	340	026418
630-25x28 *	13.8	14.7	36.5	39.9	35	350	026432
630-27x32	14.4	16	38.5	45.5	36.5	365	026463
630-30x32	15.4	16	42.7	45.5	36.5	365	026470
630-36x41 +	17.2	18.8	51.3	58.2	40	440	026517

630 Double box-end wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
630 • 8	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22	
630/8	8	026654
630 • 12	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32	
630/12	12	026593

Made in Germany



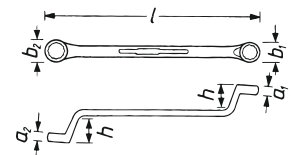
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HAZET No.	W x D mm		EAN-No. 4000896+
630 • 9	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 20x22 • 21x23		
163-101/9	344x342	9	145720
630 • 7	6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 17x19 • 21x22		
163-296/7	342x172	7	186655

630 A Double box-end wrench

Made in Germany

- Deep offset
- Heads thin-walled
- American dimensions
- Surface: chrome-plated, head polished
- ISO 1085



HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	h mm	l mm	EAN-No. 4000896+
630 A-1/4 x 5/16	6.6	7	12.2	13.1	19.5	170	026722
630 A-3/8 x 7/16	8	9	15.6	17.1	23.5	200	026807
630 A-1/2 x 9/16	9.5	10.5	19.9	22.5	26	230	026715
630 A-19/32 x 11/16	10.8	11.5	22.7	26.5	29	255	026753
630 A-5/8 x 3/4	11	11.9	24	28.4	29	265	026821
630 A-3/4 x 7/8	11.9	12.9	28.4	32.2	32.5	295	026791
630 A-25/32 x 13/16	12.2	12.5	29.3	30.2	32.5	295	026777
630 A-15/16 x 1	13.5	14.1	35.1	37.1	34	330	026746
630 A-1 x 1 1/8	14.1	15.6	36.3	42.1	36.5	350	026760
630 A-1 1/16 x 1 1/4	14.8	16.4	39.4	46.5	36.5	365	026692



Hand tools

Wrenches

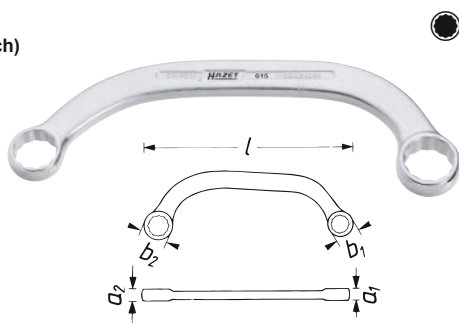


615 Double box-end wrench

Made in Germany

• (Starter and block wrench)

- Bent style
- Surface: chrome-plated, head polished

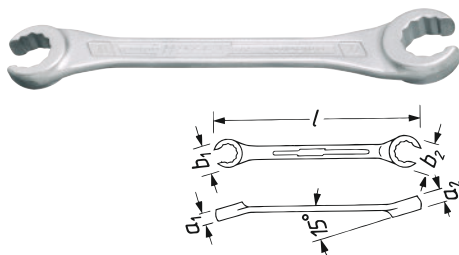


HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
615-11x13	7.5	7.5	18	20	145	025602
615-12x14	7.5	8	21	23	185	025619
615-13x15	7.5	8	21	23	185	025626
615-14x17	8	9	22	25	185	025640
615-16x18	9	11	25	27	185	060382
615-17x19	12	13	25	29	235	050901

612 Double box-end wrench (open)

Made in Germany

- For tube connections, union nuts and male fittings for pipes
 - Heads angled at 15°
 - Jaw opening 15° slotted
 - Shank with sturdy HAZET double-T-profile
- Note: Wrenches for working on brake lines see HAZET 612 N
- Surface: chrome-plated
 - DIN 3118



612 Double box-end wrench (open)

+ = 612-8x10 to 12x14 with 6-point

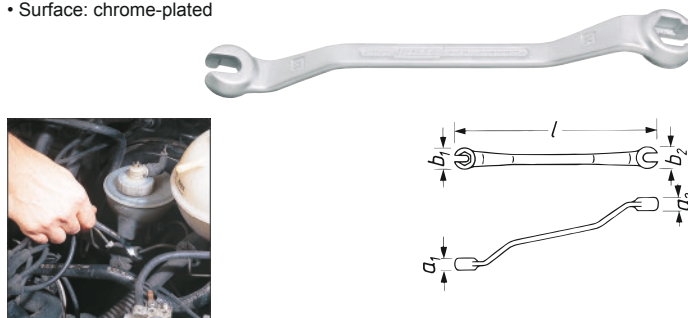
* = 612-13x15 and 16x18 not according to DIN

HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
612- 8x10 +	7	8	18	20	140	025206
612-10x11 +	8	8.7	20	22	147	025091
612-11x13 +	8.7	9.8	22	26	160	025107
612-12x14 +	9.2	10.3	24	28	168	025114
612-13x15 *	9.8	10.9	26	29	182	025121
612-16x18 *	12	13.2	30	32	208	025145
612-17x19	12	13.2	30	32	208	025152
612-19x22	13.8	15.8	34.5	40.5	222	025169
612-24x27	16.2	18	42	46	260	025183
612-30x32	21	23	50	52	300	025190

612 N Double box-end wrench (open)

Made in Germany

- For screwed connections on lines
- Reinforced design
- Offset design (15° and 40°)
- With 6-point
- Straight slot
- Surface: chrome-plated



HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
612 N-10x11	11	11	20	21.5	172	025428
612 N-11x13	11.5	11.5	21.5	24.5	185.5	025435
612 N-12x14	11.5	11.5	23.2	26	198.5	025442



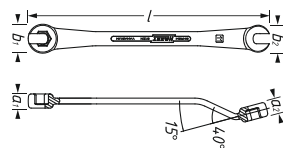


612 N Brake line wrench (open)

Made in Germany

• Reinforced design

- Straight design for the operation of the brake line / hose fitting at the front axle
- Offset design for the safe operation of the brake line screwing at the wheel brake cylinder, past the circumferential edge of the anchor plate
- Anti-slipping
- Straight slot / with 6-point
- Surface: chrome-plated

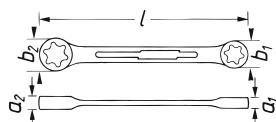


HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
612 N-11	11	11	20	21.5	177.7	129133

609 TORX® double box-end wrench

Made in Germany

- Straight design
- Surface: chrome-plated, head polished

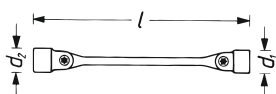


HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	mm	EAN-No. 4000896+
609-E 6xE 8	4.8	5.8	10	12	113	5.74x7.52	024711
609-E 10xE 12	6.8	8	13	15	140	9.42x11.17	024650
609-E 14xE 18	7.9	9.5	17	21	180	12.90x16.70	024674
609-E 20xE 24	11	13	24	28	224	18.49x22.16	024698

645 Flexible head wrench

Made in Germany

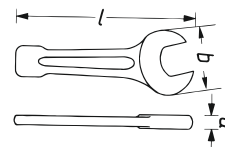
- Flexible 12-point socket on both sides
- Angular movement > 180°
- Surface: chrome-plated, head polished



HAZET No.	d ₁ mm	d ₂ mm	l mm	EAN-No. 4000896+
645- 8x9	12	13.5	179.4	028290
645-10x11	14.5	16	198.5	028030
645-12x13	17.5	19	214.4	028061
645-14x15	20	21.5	232	028092
645-16x17	23	24	243.2	028122

452 Open-end wrench – striking face pattern

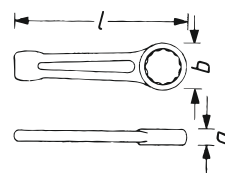
- Heavy, forged design
- Large wrench sizes and American sizes on request
- Head setting: 15°
- Surface: steel grey, oiled
- DIN 133



HAZET No.	a mm	b mm	l mm	EAN-No. 4000896+
452- 27	16	55	180	021420
452- 30	17	65	190	021437
452- 32	17	65	190	021444
452- 36	19	75	210	021451
452- 41	19	85	230	021468
452- 46	21	95	255	021475
452- 50	21	105	275	021482
452- 55	24	120	310	021499
452- 60	24	120	310	021505
452- 65	28	135	340	021512
452- 70	31	155	375	021529
452- 75	31	155	375	021536
452- 80	34	170	405	021543
452- 85	34	170	405	021550
452- 90	38	190	445	021567
452- 95	38	190	445	021574
452-100	44	215	485	021376

642 Box-end wrench, striking face pattern

- Heavy, forged design
- Large wrench sizes and American sizes on request
- Surface: steel grey, oiled
- DIN 7444



HAZET No.	a mm	b mm	l mm	EAN-No. 4000896+
642- 27	16	46	180	027743
642- 30	17	52	190	027750
642- 32	17	52	190	027767
642- 36	19	59	205	027774
642- 41	20	64	225	027781
642- 46	22	73	240	027798
642- 50	23	78	255	027804
642- 55	25	88	270	027811
642- 60	25	88	270	027828
642- 65	28	100	300	027835
642- 70	32	109	330	027842
642- 75	32	109	330	027859
642- 80	35	123	360	027866
642- 85	35	123	360	027873
642- 90	40	142	390	027880
642- 95	40	142	390	027897
642-100	44	152	420	027699



Hand tools

Range of Sockets



Range of Sockets



6.3 1/4"	Socket Sets	145–147
	Operating Tools	147–149
	Sockets / Screwdriver Sockets	149–151
	Adapters	152
	HINOX® Range	154–155
10 3/8"	Socket Sets	156–158
	Operating Tools	158–160
	Sockets	160–163
	Screwdriver Sockets	163–165
	Adapters	165–166
	Impact Screwdriver Range	166
12⁵ 1/2"	Socket Sets	167–168
	Operating Tools	168–170
	Sockets	170–172
	Screwdriver Sockets	173–178
	Adapters	178–179
	Impact Socket Sets	179
	Impact Sockets	179–182
	Impact Screwdriver Sockets	183–184
	Impact Adapters	184
20 3/4"	Socket Sets	185
	Operating Tools	186
	Sockets / Screwdriver Sockets	186–188
	Adapters	188
	Impact Screwdriver Range	188–189
25 1"	Socket Sets	190
	Operating Tools	190
	Sockets	191
	Adapters	191
	Impact Screwdriver Range	192
	TORX® Tools	193–194



863 MC 6.3 1/4"

Solid reversible ratchet

- Sturdy design in short, slim form
- Particularly suitable for use in areas with restricted access
- Ergonomic finger support on the end of the handle
- Number of teeth: 20 (opening angle 18°)
- Angled at 15° – to reduce risk of entrapment
- With locking ball
- Surface: chrome-plated
- DIN 3122, ISO 3315



Switching between left and right



Only 89 mm long!



Tooth geometry

20 teeth with a rotation angle of 18° enable precise working in areas with restricted access



Extremely sturdy solid steel design

Die-forged by experienced professionals in Remscheid



One-hand operation

Restricted space for screwing? No problem.

You can access the smallest of spaces with just one hand



863 MC/13

EAN-No. 4000896196968

Made in Germany



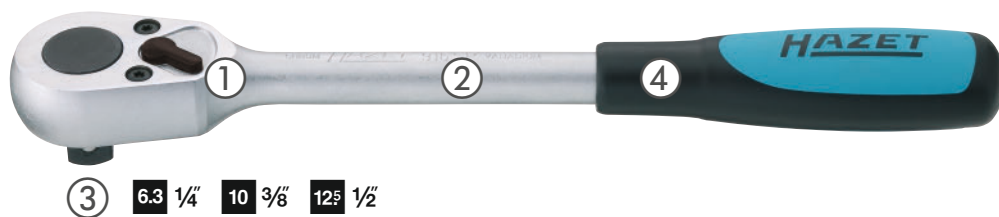
Hand tools

Range of Sockets



The HAZET reversible ratchet

Our benefits



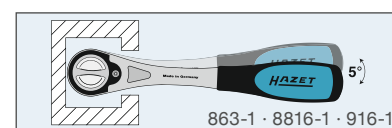
① Shift lever with precise ratching, rotating clockwise and anti-clockwise

② High permanent loading capacity of the shaft through high-quality chrome vanadium steel

③ Square in solid design with locking ball

④ Non-slip, ergonomic 2-component handle

Made in Germany



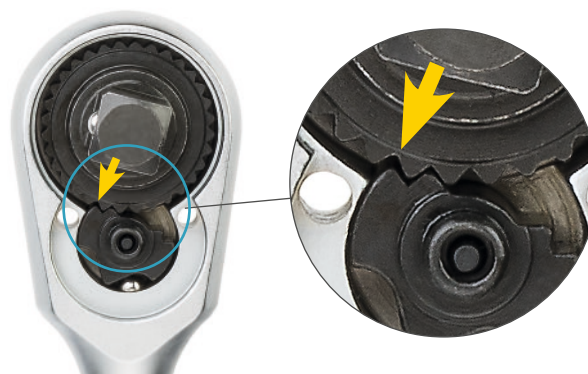
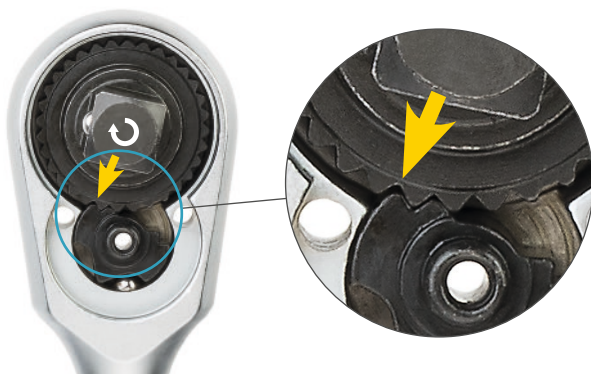
From the inside of our HAZET reversible ratchet

At HAZET a number of tools made of solid steel are hot forged in the die. This applies not only to our wrenches, sockets etc., but

also to our reversible ratchets. In addition to their extreme robustness, they impress with their precise and long-lasting mechanics.

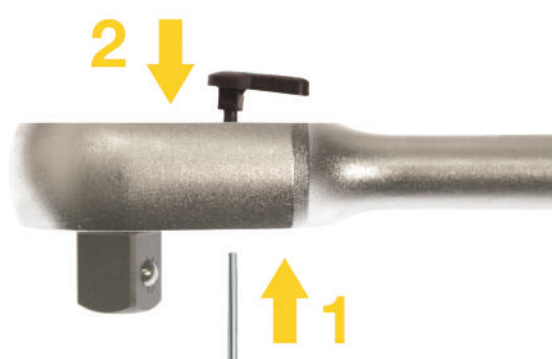
HAZET reversible ratchet

Conventional reversible ratchet



Easy-change shift lever

1. Use a drift pin to release
2. Insert – click – ready-to-use! (self-locking)



Spare parts individually available



See www.hazet.de/ersatzteil-shop



Manufacturing process of a HAZET reversible ratchet



Key:

- ⑦ Spring
- ⑧ Ball
- ⑨ Pawl
- ⑩ Ratchet wheel
- ⑪ Worktop
- ⑫ Screws
- ⑬ Shift lever



Hand tools

Range of Sockets



Manufacturing process for HAZET sockets – The tool for tough applications

Job well done – by HAZET

Socket



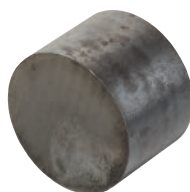
①

Material section sawn
from round bar steel



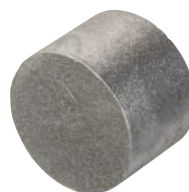
②

Blank outside ground to size



③

Blank metallurgically
heat-treated



④

Blank sand-blasted



⑤

Cold extrusion, inside
profile produced ready,
outside profile adjusted



⑥

Mechanically worked, turned,
drilled, inner groove milled,
knurled and
inscribed



⑦

Coated = hardened
and tempered



⑧

Surface worked, sand-blasted



⑨

Outside surface
partially ground



⑩

Nickel-plated and
chrome-plated

Screwdriver socket



①

Material section sawn
from round bar steel



②

Blank outside ground to size



③

Blank metallurgically
heat-treated



④

Blank sand-blasted



⑤

Cold extrusion, inside
profile produced ready,
outside profile adjusted



⑥

Mechanically worked, turned,
drilled, inner groove milled,
knurled and
inscribed



⑦

Coated = hardened
and tempered



⑧

Surface worked, sand-blasted



⑨

Nickel-plated and
chrome-plated



⑩

Blade pressed in

Advantages of cold compression moulding

- High degree of dimensional accuracy
- High surface quality

 **Made in Germany**



At a glance

The HAZET reversible ratchet range

	Design	6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"	6.3 1/4"	8 5/16"
	Fine-tooth	863-1	8816-1	916-1				
		863 P	8816 P	916 SP	1016/2	1116/2	2264	2264-1
	Locking device and quick-release press-button	863 S	8816 S	916 S				
	Angled	863 PC						
	With hinge	863 G	8816 G	916 GL				
	Short, with joint		8816 GK	916 GK				
	Short	863 K		916 K			863 BK	
	Solid steel	863 MC					863 M Bit	
	Sliding T-handle, quick-release locking device	863 Q						
	Hinox (stainless steel)	863 X						
	Protective insulation VDE		8816 VDE					
	Long			916 L				
	Long, extendable			916 Lg				



The HAZET sockets

	Design		6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"
Sockets for manual operation							
	Hexagon profile		850 (A) / (X) 3 – 14 (9/16 – 9/16)	880 6 – 22	900 8 – 36	1000 19 – 60	
	12-point profile			880 Z 9 – 22 (1/4 – 15/16)	900 Z 8 – 36 (3/8 – 1 1/4)	1000 Z 22 – 55 (7/8 – 2)	1100 Z 32 – 80
	Hexagon profile, long		850 Lg 4 – 13	880 Lg 8 – 22	900 Lg 10 – 32		
	12-point profile, long		850 TZ 8	880 TZ 9 – 22	900 TZ 10 – 30		
	With joint, Hexagon profile			880 G 10 – 19			
	With joint, 12-point profile			880 G-Z 16 – 18			
	Outside TORX ® profile		850-E E 4 – E 12	880 E E 5 – E 14	900 E E 10 – E 24		
	Outside TORX ® profile, long			880 Lg-E E 8 – E 14		2850 E 20 – E 24	
	With joint, Outside TORX ® profile			880 G E 8 – E 14			
Screwdriver sockets for manual operation							
	Slot profile		8503 3,5 – 10		980 13 – 19		
	Slot profile, long			8803 5,5 – 10			
	Cross recess profile PH (Phillips)		8506 PH 1 – PH 4				
	Cross recess profile PH (Phillips), long			8806 PH 1 – PH 4			
	Cross recess profile PZ (Pozidriv)		8507 PZ 1 – PZ 3				
	Inside hexagon profile		8501 (X) 2,5 – 8	8801 3 – 10	985 4 – 22 986 4 – 22 (5/32 – 1/2) 2584	1010 14 – 22 2784	
	Inside hexagon profile, long			8801 3 – 12 (1/8 – 3/8)	986 Lg 5 – 10 2584-1	2784 14	
	Inside hexagon profile, long, ball-head		8501 KK 4	8801 KK 5 – 10	986 KK 5 – 12 2527-8		



	Design		6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"
Screwdriver sockets for manual operation							
	Inside TORX ® profile		8502 T 8 – T 40	8802 T 15 – T 50	992 T 20 – T 60	1012 T 60 – T 100	
	Inside TORX ® profile, long			8802 Lg T 50	992 (S) Lg T 30 – T 70		
	Tamper TORX ® profile				992 T 30 H – T 55 H		
	RIBE CV profile				991 5 – 16		
	Internal serration profile (XZN)			8808 5 – 10	990 5 – 18		
	Internal serration profile (XZN), long			8808 Lg 8 – 10	990 Lg 6 – 14 2751 990 V Lg-8 – 10		
Adapters for manual operation							
	Adapter (reducer)	6.3 1/4"		8858-2			
	Adapter (reducer and amplifier)	10 3/8"	858-1		958-2		
	Adapter (reducer and amplifier)	12.5 1/2"		8858-1		1058-2	
	Adapter (reducer and amplifier)	20 3/4"			958-1		1158-2
	Adapter (reducer)	25 1"				1058-1	
	Adapters for bits		2250-1 3/16"	2250-2 3/16" 2250-3 8/16"	2250-4 3/16" 2250-5 8/16"		
	Universal joint		869 (X)	8820	920	1021	1121
Sockets for impact operation							
	Hexagon profile for impact operation				900 S 13 – 32	1000 S 19 – 36	1100 S 24 – 60
	Hexagon profile, long, for impact operation				900 S Lg 13 – 27	1000 S Lg 24 – 36	1000 S Lg 24 – 46
	Hexagon profile, long, extra slim for impact operation				901 S Lg 902 S Lg 15 – 21		
	Hexagon profile, extra long, for impact operation					1004 S 32	1104 S 32



Hand tools

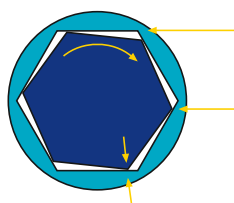
Range of Sockets



	Design		6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"
Sockets for impact operation							
	12-point profile, long, for impact operation				900 S Z 10 – 24 3047-36		
	Outside TORX ® profile, for impact operation			880 S-E 10 – 12	900 S-E 10 – 24		
	Outside TORX ® profile, long, for impact operation					2850-E 20, 24	
Screwdriver sockets for impact operation							
	Internal serration profile (XZN), for impact operation				990 S 14 – 18		
	Internal serration profile (XZN), long, for impact operation				990 S Lg 14 – 18		
	Inside TORX ® profile, for impact operation				995 S T 30 – T 60		
Adapters for impact operation							
	Universal joint, for impact operation				9006 S	1006 S	1106 S
	Reducer, for impact operation				9007 S	1007 S-1	1107 S
	Amplifier, for impact operation			8807 S-1	9007 S-1	1007 S-2	
	Adapter, for impact operation		8508 S-1	8808 S-1			
	Adapter, for impact operation		2304 2238-1 8508 S-3 4				
	Adapter, for impact operation				2311		

Comparison

6-point

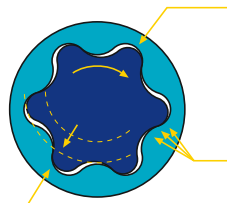


High notch fatigue of the 6-point profile and the screw head

Application point of force transmission

Hardly any application area for force transmission

HAZET TORX®



No notch fatigue

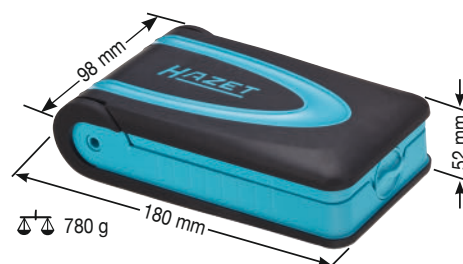
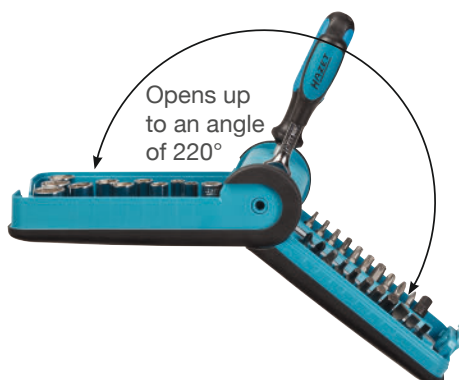
Application points of force transmission

Large application area for force exertion



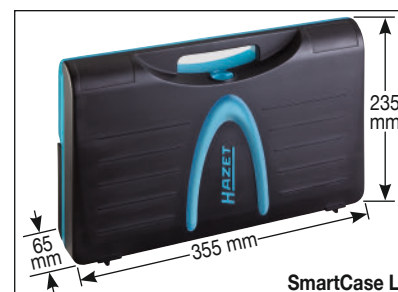
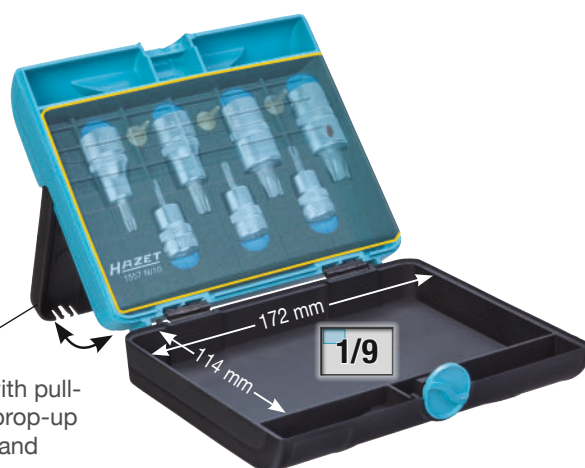
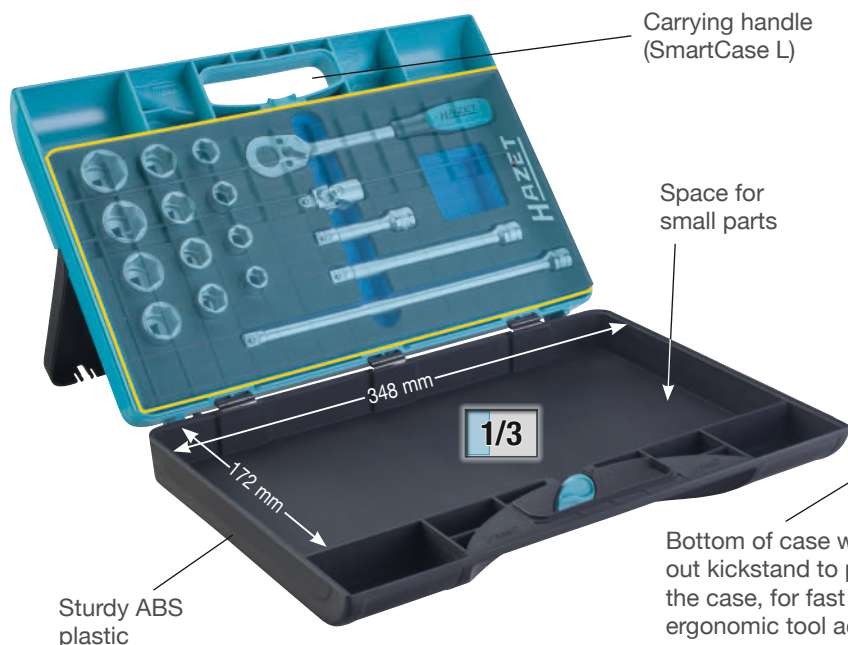
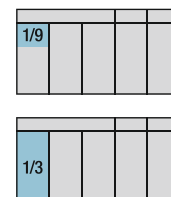
SmartCase

- Easy handling, operating tools are ready to hand when needed



SmartCase S / SmartCase L

- Suitable for all 1/9 and 1/3 Safety-Insert-Systems
2-component soft foam inserts from the HAZET range





Hand tools

6.3 1/4" Range of sockets



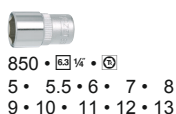
6.3 1/4" Range of sockets

851 Socket set

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

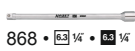
E R 6.3 1/4"



850 • 6.3 1/4 • 5 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13



863 P • 6.3 1/4



868 • 6.3 1/4 • 6.3 1/4



869 • 6.3 1/4 • 6.3 1/4



867-2 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
851	185x153x52	14	038176

853 Socket set

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

E R 6.3 1/4" 6.3 1/4"



850 • 6.3 1/4 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14



863 P • 6.3 1/4



866 U • 6.3 1/4



867 • 6.3 1/4 • 6.3 1/4
867-2 • 867-4



2204 • 6.3 1/4 • 3 • 4 • 5 • 6 • 7



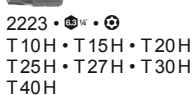
2208 • 6.3 1/4 • 0.6x4.5 • 1.2x6.5 • 1.2x8



2215 • 6.3 1/4 • PH 1 • PH 2 • PH 3



2216 • 6.3 1/4 • PZ 1 • PZ 2 • PZ 3



2223 • 6.3 1/4 • T 10H • T 15H • T 20H • T 25H • T 27H • T 30H • T 40H



2250-1 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
853-1	185x153x52	36	154654

854 Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TiN) coated
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

E R 6.3 1/4"



850 • 6.3 1/4 • 4 • 5 • 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14



8501 • 6.3 1/4 • 3 • 4 • 5 • 6 • 8



8503 • 6.3 1/4 • 0.6x3.5 • 1x5.5 • 1.2x8



8506 • 6.3 1/4 • PH 1 • PH 2



8507 • 6.3 1/4 • PZ 1 • PZ 2



863 P • 6.3 1/4



865 • 6.3 1/4



866 U • 6.3 1/4



867-2 • 6.3 1/4 • 6.3 1/4



868 • 6.3 1/4 • 6.3 1/4



869 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
854	185x153x52	30	038336

854 Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TiN) coated
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

E R 6.3 1/4"



850 • 6.3 1/4 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14



8501 • 6.3 1/4 • 3 • 4 • 5 • 6 • 8



8503 • 6.3 1/4 • 0.6x3.5 • 0.8x4 • 1x5.5 • 1.2x8



8506 • 6.3 1/4 • PH 1 • PH 2 • PH 3 • PH 4



8507 • 6.3 1/4 • PZ 1 • PZ 2 • PZ 3



863 P • 6.3 1/4



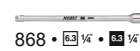
865 • 6.3 1/4



866 U • 6.3 1/4



867-2 • 6.3 1/4 • 6.3 1/4



868 • 6.3 1/4 • 6.3 1/4



869 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
854-1	185x153x52	33	038343



854 T Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 • 6.3 1/4 • ⑤
5 • 5.5 • 6 • 7
8 • 9 • 10 • 11
12 • 13 • 14



850 E • 6.3 1/4 • ⑤
E5 • E6 • E7 • E8 • E10



8501 • 6.3 1/4 • ①
3 • 4 • 5 • 6



8502 • 6.3 1/4 • ⑤
T10 • T15 • T20
T25 • T30



8503 • 6.3 1/4 • ⑤
1x5.5



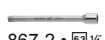
8506 • 6.3 1/4 • ⑤
PH 2



863 P • 6.3 1/4



866 U • 6.3 1/4



867-2 • 6.3 1/4 • 6.3 1/4



868 • 6.3 1/4 • 6.3 1/4



869 • 6.3 1/4 • 6.3 1/4



871-4 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
854 T	185x153x52	33	109579

2200 Socket set

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 • 6.3 1/4 • ⑤
5 • 5.5 • 6 • 7
8 • 9 • 10 • 11
12 • 13 • 14



2204 • 6.3 1/4 • ①
2 • 2.5 • 3 • 4 • 5 • 6 • 8



2208 • 6.3 1/4 • ⑤
0.5x4 • 0.6x4.5
1.2x6.5 • 0.8x5.5



2215 • 6.3 1/4 • ⑤
PH 1 • PH 2



2216 • 6.3 1/4 • ⑤
PZ 1 • PZ 2



2223 • 6.3 1/4 • ⑤
T10H • T15H • T20H
T25H • T30H • T40H



2238-1 • 6.3 1/4 • 6.3 1/4



2239-3 • 6.3 1/4 • 6.3 1/4



2264 • 6.3 1/4



2304 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200/36	185x153x52	36	063734

855 Socket set

Made in Germany

- Long and short style sockets
- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 • 6.3 1/4 • ⑤
4 • 4.5 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13



850 LG • 6.3 1/4 • ⑤
5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13



850 E • 6.3 1/4 • ⑤
E5 • E6 • E7 • E8 • E10



8501 • 6.3 1/4 • ①
3 • 4 • 5



8502 • 6.3 1/4 • ⑤
T10 • T15 • T20
T25 • T30



8503 • 6.3 1/4 • ⑤
1x5.5



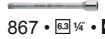
8506 • 6.3 1/4 • ⑤
PH 2



863 P • 6.3 1/4



866 U • 6.3 1/4



867 • 6.3 1/4 • 6.3 1/4



867-2 • 867-4



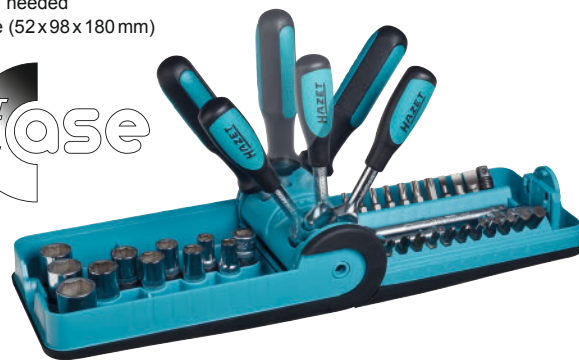
869 • 6.3 1/4 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
855-1	355x235x65	40	115983

856 Socket set

Made in Germany

- Ergonomic design
- Easy handling, operating tools are ready to hand when needed
- SmartCase (52x98x180 mm)



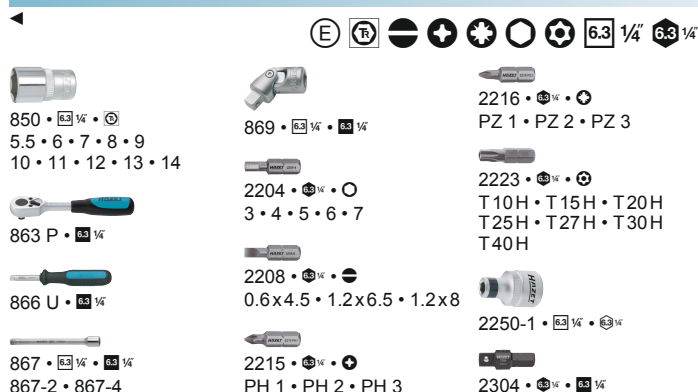


Hand tools

6.3 1/4" Range of sockets



856 Socket set



HAZET No.	L x W x H mm		EAN-No. 4000896+
856-1	180x98x52	38	164813

863 Socket set

Made in Germany

• With solid reversible ratchet 863 MC

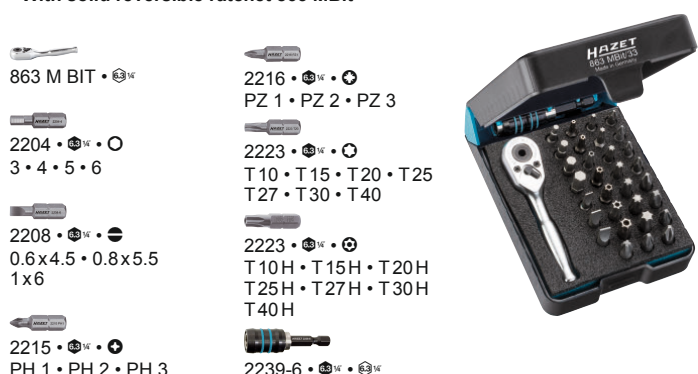


HAZET No.	L x W x H mm		EAN-No. 4000896+
863 MC/13	125x87x38	13	196968

863 Bit set

Made in Germany

• With solid reversible ratchet 863 MBit



HAZET No.	L x W x H mm		EAN-No. 4000896+
863 M Bit/33	125x87x38	33	196951

850 HL Socket rail

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size
- Empty, with 16 retaining clamps
- Suitable for sockets of 850 series

6.3 1/4"



850 HL Socket rail

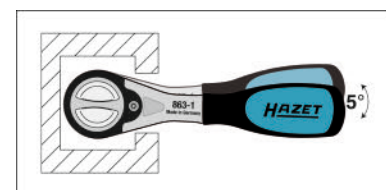
HAZET No.	l mm	EAN-No. 4000896+
850 HL	430	037575

863 Reversible ratchet, fine-tooth

Made in Germany

- Deep-set reversing switch prevents unintentional change-over
- Induction hardened internal teeth for long service life
- MIM coated cast cover plate and reversing switch

- HAZET 2-component handle
- Number of teeth: 72 (Opening angle 5°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863-1	119	164387

863 Reversible ratchet

Made in Germany

- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863 P	115	038558

Made in Germany

- With locking device and quick release press button
- Safe locking of the sockets
- By pressing the button, attached tools are easily released – with just one hand
- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863 S	115	038626



863 Reversible ratchet, angled

Made in Germany

- Reversible ratchet head angled 20°
- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- Angled – for working in areas with restricted access
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863 PC	115	038602

863 Reversible ratchet with hinge joint

Made in Germany

- Ratchet head can be swivelled > 180°
- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863 G	135	038497

863 Reversible ratchet, short

Made in Germany

- 95 mm short style, special compact design

- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
863 K	95	158218

863 Reversible ratchet, solid steel

Made in Germany

- 89 mm short style

- Sturdy design in short, slim form
- Ergonomic finger support on the end of the handle
- Number of teeth: 20 (Opening angle 18°)
- angled at 15° to reduce risk of entrapment
- With locking ball
- Surface: chrome-plated
- DIN 3122, ISO 3315



863 Reversible ratchet, solid steel

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
863 MC	89	195718

863 Reversible ratchet with T-handle

- The advantages of a T-handle and a reversible ratchet combined in one tool
- Enables either powerful or sensitive working
- With locking device and quick-release press-button
- **Optimal working with an extension, e.g. 868**
- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking ball
- DIN 3122, ISO 3315

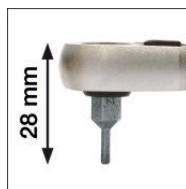


HAZET No.	l mm	EAN-No. 4000896+
863 Q	100	063482

863 Reversible ratchet for bits, short

Made in Germany

- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking spring
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
863 BK	95	158225

863 Reversible ratchet, solid steel, for bits

Made in Germany

- 89 mm short style

- Sturdy design in short, slim form
- Ergonomic finger support on the end of the handle
- Number of teeth: 20 (Opening angle 18°)
- angled at 15° to reduce risk of entrapment
- With locking spring
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
863 M BIT	89	196111



Hand tools

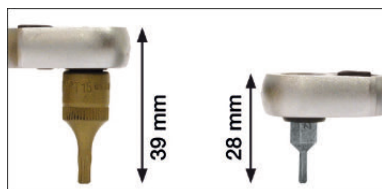
6.3 1/4" Range of sockets



2264 Reversible ratchet for bits

Made in Germany

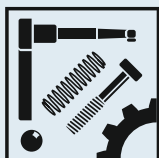
- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking spring
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
2264	115	015887

Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

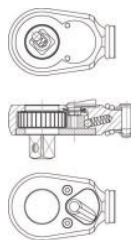


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

863 Replacement set

Made in Germany



HAZET No.	EAN-No. 4000896+
Replacement set for shift lever consisting of: shift lever, pawl, screws, ball, compression spring for 863 K, 863 G, 863 P, 863 PC, 863 Q, 863 S, 863 ST, 863 BGL, 863 BKC, 863 BK, 863 MC, 863 Mbit, 2264	
863 P/6	144600
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 G, 863 P, 863 PC, 863 ST, 863 K, 863 MC	
863 P/7 N	038596
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring for 863 Q, 863 S as well as for refitting 863 P, 863 PC, 863 G, 863 ST, 863 K, 863 MC	
863 S/7	048472
Replacement set for ratchet wheel ○ 6.3 = 1/4" consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 BGL, 863 BKC, 863 BK, 863 MBit, 2264	
2264/7	015917

866 U Spin type speeder

Made in Germany

- HAZET 2-component handle
- With locking ball
- Surface: matt chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
866 U	134	056453

870 Spin type speeder, flexible

Made in Germany

- Flexible shafts enable operation around troublesome edges and fast and safe working even in areas with restricted access
- With locking ball



HAZET No.	l mm	EAN-No. 4000896+
870-2	130	050536

865 Sliding T-handle

Made in Germany

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

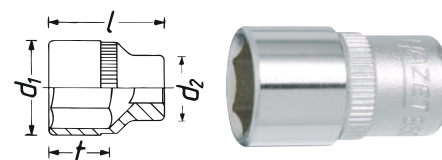
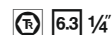


HAZET No.	l mm	EAN-No. 4000896+
865	115	038718

850 6-point socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



850-3 not according to DIN

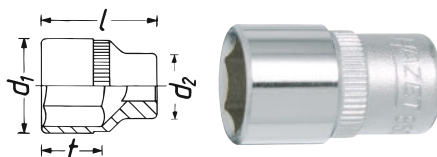
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
850- 3	25	6.2	11	3.2	057221
850- 4	25	6.8	11	3.7	036370
850- 4.5	25	7.4	11	4.2	036387
850- 5	25	8.1	11	4.1	036400
850- 5.5	25	8.7	11	4.6	036417
850- 6	25	9.3	11	5.1	036479
850- 7	25	10.9	11.5	5.5	036516
850- 8	25	12.1	12.5	6.5	036547
850- 9	25	13.4	12.5	7.5	036585
850-10	25	14.6	12.5	7.3	036202
850-11	25	15.5	14	8.3	036240
850-12	25	17	15	9.3	036271
850-13	25	18	15	9.3	036301
850-14	25	19.5	16	10.8	036349



850 A 6-point socket

- Made in Germany
- American dimensions
- With knurling
- Surface: chrome-plated, polished

6.3 1/4"



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
850 A-3/16	25	8	11	4.2	037490
850 A-7/32	25	8.5	11	4.6	037537
850 A-1/4	25	9.5	11	5.1	037476
850 A-9/32	25	10.5	11.5	5.6	037551
850 A-5/16	25	11.5	12.5	6.3	037513
850 A-11/32	25	13	11.5	7.3	037483
850 A-3/8	25	14	12.5	7.3	037506
850 A-7/16	25	15.5	14	8.3	037520
850 A-1/2	25	18	15	9.3	037469
850 A-9/16	25	19.5	16	10.8	037544

850 LG 6-point socket

- Made in Germany
- Long design
- With knurling
- Surface: chrome-plated

6.3 1/4"



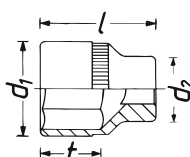
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
850 Lg- 4	50	6.7	11	4	037643
850 Lg- 5	50	7.9	11	4.2	037650
850 Lg- 5.5	50	8.5	11	5	037667
850 Lg- 6	50	9.2	11	5.5	037674
850 Lg- 7	50	11	11	6	037681
850 Lg- 8	50	12	12	8	037698
850 Lg- 9	50	13	13	8	037704
850 Lg-10	50	14.5	14.5	9.2	037599
850 Lg-11	50	15.5	15.5	10.7	037605
850 Lg-12	50	17	17	12.2	037612
850 Lg-13	50	18	18	12.2	037629

850 TZ 12-point socket

- Made in Germany
- For the operation of the screws at the timing chain cover on e.g. VW 1.2 TSI engines

6.3 1/4"

- Long design
- With knurling
- Surface: chrome-plated



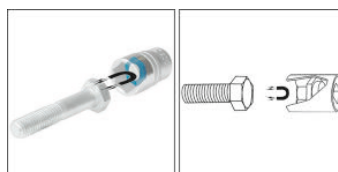
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
850 TZ-8	50	12.2	12.2	8	177646

960 MGT Magnetic socket insert

- Universal application in all metric 6-point and 12-point sockets, sizes ≤ 10 up to 19 mm

6.3 1/4"

- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable
- 10-piece set, for metric sockets ≤ 10 11 12 13 14 15 16 17 18 19 mm



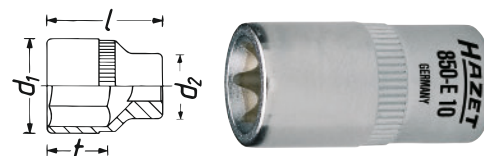
HAZET No.	EAN-No. 4000896+
960 MGT	097661

850 E TORX® socket

- Made in Germany

6.3 1/4"

- With knurling
- Surface: chrome-plated, polished



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
850-E 4	25	5.6	11	3.86	036653
850-E 5	25	6.7	11	4.75	036684
850-E 6	25	8	11	5.74	036714
850-E 7	25	9.6	11	6.22	036745
850-E 8	25	10.5	11.5	7.52	036776
850-E 10	25	13	12	9.42	036615
850-E 11	25	14	12.5	10.08	036646
850-E 12	25	14.9	12.5	11.17	188598

848 Z Box-end wrench, 12-point, open

- Made in Germany

- Crowfoot Wrenches
- For union nuts and tube connections
- With square mount
- Metric dimensions



HAZET No.	mm	EAN-No. 4000896+
848 Z-10	□ 6.3 = 1/4"	079049
848 Z-12	□ 6.3 = 1/4"	079056
848 Z-13	□ 6.3 = 1/4"	079063
848 Z-14	□ 6.3 = 1/4"	079070
848 Z-16	□ 10 = 3/8"	079087
848 Z-17	□ 10 = 3/8"	079094
848 Z-18	□ 10 = 3/8"	079100
848 Z-19	□ 10 = 3/8"	079117
848 Z-21	□ 10 = 3/8"	079124
848 Z-22	□ 10 = 3/8"	079131
848 Z-24	□ 10 = 3/8"	079148
848 Z-27	□ 10 = 3/8"	079162
848 Z-30	□ 12.5 = 1/2"	079179
848 Z-32	□ 12.5 = 1/2"	079186
848 Z-36	□ 12.5 = 1/2"	079193
848 Z-41	□ 12.5 = 1/2"	079216
848 Z-46	□ 12.5 = 1/2"	079223



Hand tools

6.3 1/4" Range of sockets



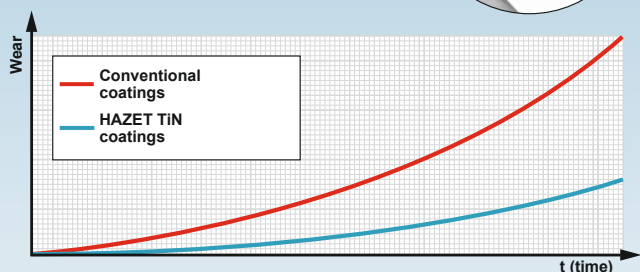
TiN coating

TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TiN-coated screwdriver sockets

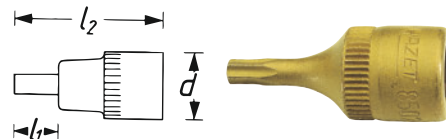


8502 Screwdriver socket TORX®

Made in Germany

- With knurling
- Surface:

TiN



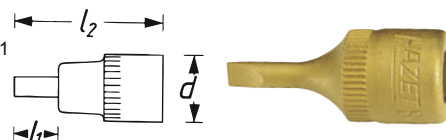
HAZET No.	l_1 mm	l_2 mm	d mm		EAN-No. 4000896+
8502-T 8	3.5	28	12	2.31	037124
8502-T 9	3.5	28	12	2.50	037148
8502-T 10	3.8	28	12	2.74	036967
8502-T 15	4	28	12	3.27	036981
8502-T 20	4	28	12	3.86	037001
8502-T 25	4.5	28	12	4.43	037025
8502-T 27	4.5	28	12	4.99	037049
8502-T 30	5	28	12	5.52	037063
8502-T 40	2	28	12	6.65	037100

8503 Screwdriver socket

Made in Germany

- With knurling
- Surface:
- Tip according to ISO 2380-1

TiN



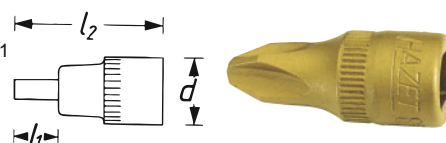
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8503-0.6x3.5	16	28	12	037162
8503-0.8x4	16	28	12	037186
8503-1x5.5	16	28	12	037247
8503-1.2x8	16	28	12	037209
8503-1.6x10	16	28	12	037223

8506 Screwdriver socket

Made in Germany

- With knurling
- Surface:
- Tip according to ISO 8764-1

TiN



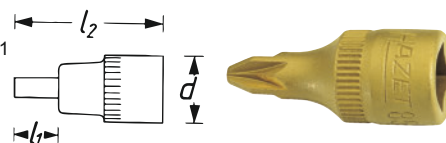
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8506-PH 1	16	28	12	037285
8506-PH 2	16	28	12	037308
8506-PH 3	16	28	12	037322
8506-PH 4	16	28	12	037346

8507 Screwdriver socket

Made in Germany

- With knurling
- Surface:
- Tip according to ISO 8764-1

TiN



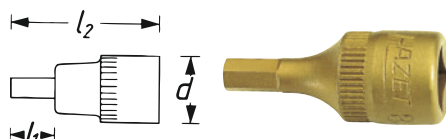
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8507-PZ 1	16	28	12	037360
8507-PZ 2	16	28	12	037377
8507-PZ 3	16	28	12	037384

8501 Screwdriver socket

Made in Germany

- Surface:
- DIN 7422

TiN

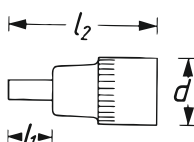
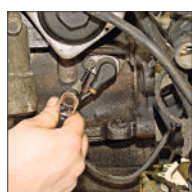


HAZET No.	S mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8501-2.5	2.5	6.5	28	12	036837
8501-3	3	6.5	28	12	036851
8501-4	4	6.5	28	12	036875
8501-5	5	6.5	28	12	036899
8501-6	6	6.5	28	12	036912
8501-8	8	6.5	28	12	036936

8501 KK Screwdriver socket

Made in Germany

- With ball-head



HAZET No.	S mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8501 KK-4	4	60	80	12	157839



858 Adapter

Made in Germany

- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316

10 3/8" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
858-1	26.5	038480

2250 Adapter

Made in Germany

- For manual operation
- With inside square and inside hexagon insert
- With clamping ball for bits
- Surface: chrome-plated

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
• O 6.3 = 1/4" – □ 6.3 = 1/4"		
2250-1	23.5	015443

869 Universal joint

Made in Germany

- For screw connections with troublesome edges
- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
869	36.5	038824

867 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
867-1	25	038732
867-2	55	038749
867-4	101.5	038770

868 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

6.3 1/4" 6.3 1/4"



868-16 Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
868	147	038794
868-16	402	076727

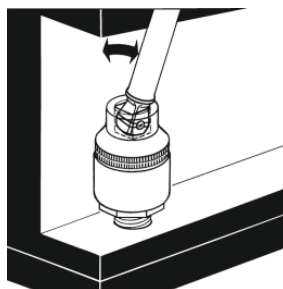
871 Extension, swivelling

Made in Germany

- With ball-shaped, conical outside square, allows 8° angular movement to every side

6.3 1/4" 6.3 1/4"

- By attaching a socket until its end stop is reached, the wobble extension may also be used as a rigid connection
- With locking ball
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
871-1	25	038855
871-4	101.5	038879

870 Extension, flexible

Made in Germany

- Flexible shaft enables operation around troublesome edges and fast working even in areas with restricted access
- With locking ball

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
870	150	038848

8508 S Impact adapter

Made in Germany

- ISO 1173-A 5.5
- For impact sockets with □ drive 6.3 = 1/4"
- For use in power screwdrivers, e.g. AEG, Bosch, Metabo
- With locking pin

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
8508 S-1	50	037391

Made in Germany

- ISO 1173-E 6.3 (1/4")
- With locking pin
- DIN 3121, ISO 1173 - E 6.3 (1/4")

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
8508 S-3	50	037414
8508 S-4	100	037421

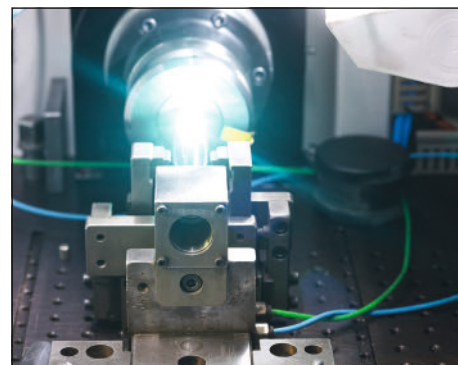
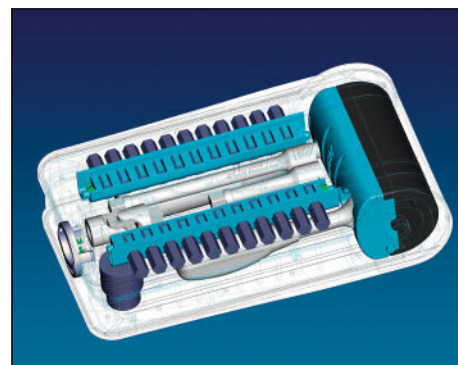
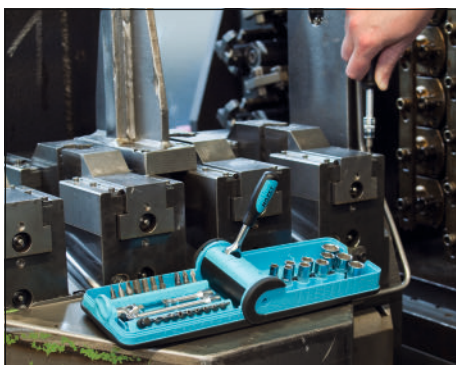
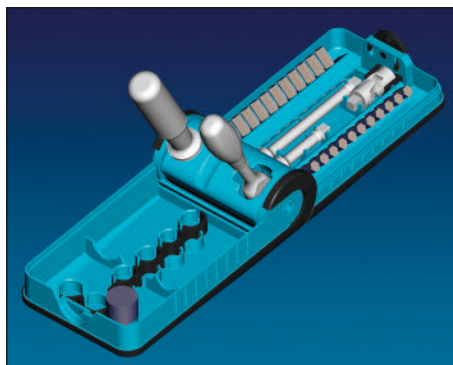
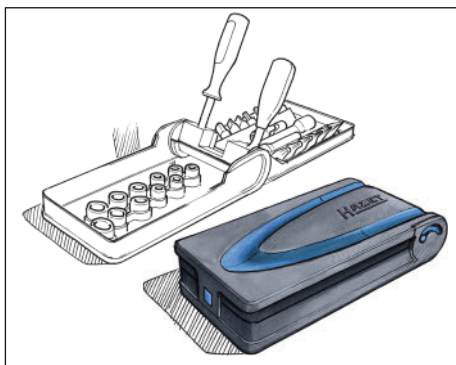


Hand tools

6.3 1/4" Range of sockets



Innovative Manufacturing Competence



HAZET
SMART case

 **Made in Germany**

Components and spare parts from page 465 to 471



HINOX® stainless steel tools



SAFETY – HIGH-QUALITY – ENVIRONMENTAL COMPATIBILITY

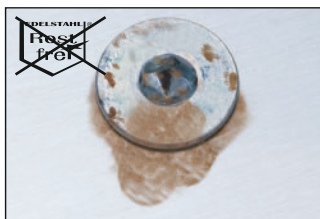
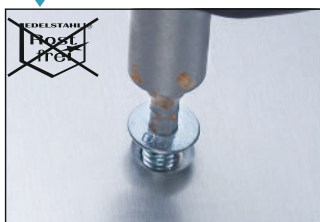
- The static loading capacity (peak load) of the **HINOX**® tools is up to 30% higher in comparison to competitive products
- The permanent loading capacity (dynamic loading capacity) is up to 3 times higher – longer serviceable life
- **HINOX**®-Tools are without surface coating – No allergic reactions due to chemical coatings



Through and through stainless steel
All components, e.g. of the reversible ratchet are made of 100% stainless steel: ratchet housing, ratchet wheel, pawl, cover plate, screws, spring, ball (just the shift lever and the handle are made of plastic)

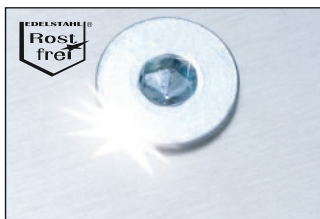
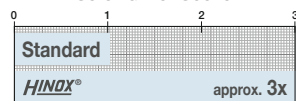
HAZET
SMART case

Do you know?



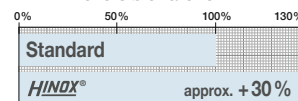
Continuous loading capacity

HAZET Screwdriver Socket:



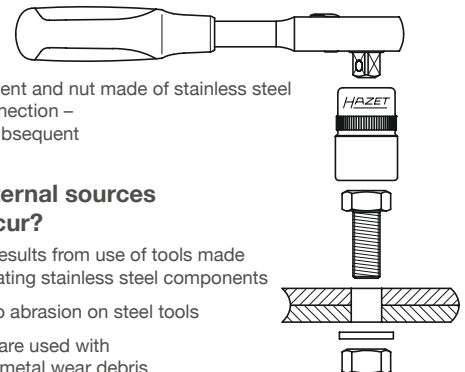
Static torque

HAZET reversible ratchet:



Stainless steel prevents formation of rust from external sources!

That means: Only the continuous application of tool, screw, washer, component and nut made of stainless steel ensures a safe stainless connection – avoids additional costs or subsequent damage!



What is rust from external sources and when does it occur?

Rust from external sources results from use of tools made of standard steel when operating stainless steel components

Frequent application leads to abrasion on steel tools

If these standard steel tools are used with stainless steel components, metal wear debris remains on the screwed connection

Wear debris and oxygen result in RUST!

For high-end applications in:

- Industry
- Aircraft sector
- Naval construction / Shipyards / Nautical sector
- Laboratory facilities
- Motor vehicle / Commercial vehicle sector
- In the medical technology and food industry sectors



Hand tools

6.3 1/4" Range of sockets

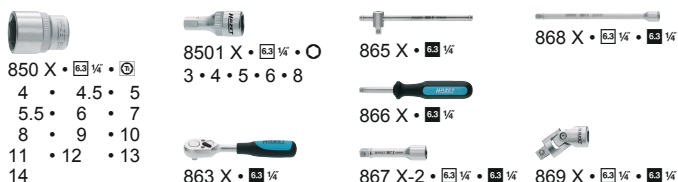
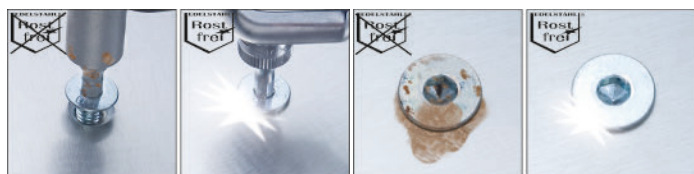


854 X Socket set *HINOX*

Made in Germany

- HINOX SmartCase (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E 6.3 1/4"



HAZET No.	L x W x H mm		EAN-No. 4000896+
854 X	185x153x52	24	121120

863 Reversible ratchet *HINOX*

Made in Germany

- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking ball

E 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
863 X	115	121335
Replacement set for ratchet wheel HINOX 6.3 = 1/4" consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 X		
863 X/7	-	132997

866 X Spin type speeder *HINOX*

Made in Germany

- Ergonomically shaped HAZET 2-component handle
- With locking ball

6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
866 X	134	121663

865 X Sliding T-handle *HINOX*

Made in Germany

- With locking ball

6.3 1/4"



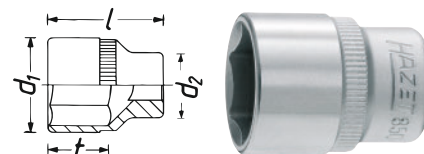
HAZET No.	l mm	EAN-No. 4000896+
865 X	115	121342

850 X 6-point socket *HINOX*

Made in Germany

- With knurling

6.3 1/4"



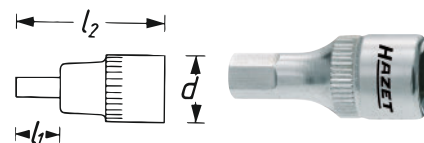
HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
850 X- 4	25	6.8	11	3.7	121380
850 X- 4.5	25	7	11	4.2	121397
850 X- 5	25	8	11	4.1	121403
850 X- 5.5	25	8.5	11	4.6	121410
850 X- 6	25	9	11	5.1	121427
850 X- 7	25	10.5	11.5	5.6	121533
850 X- 8	25	11.5	12.5	6.3	121540
850 X- 9	25	13	11.5	7.3	121557
850 X-10	25	14	12.5	7.3	121564
850 X-11	25	15.5	14	8.3	121571
850 X-12	25	17	15	9.3	121588
850 X-13	25	18	15	9.3	121595
850 X-14	25	19.5	16	10.8	121601

8501 X Screwdriver socket *HINOX*

Made in Germany

- With knurling

6.3 1/4"



HAZET No.	S mm	l1 mm	l2 mm	d mm	EAN-No. 4000896+
8501 X-3	3	6.5	28	12	121618
8501 X-4	4	6.5	28	12	121625
8501 X-5	5	6.5	28	12	121632
8501 X-6	6	6.5	28	12	121649
8501 X-8	8	6.5	28	12	121656

869 X Universal joint *HINOX*

Made in Germany

- With locking ball

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
869 X	36.5	121373

867 X Extension *HINOX*

Made in Germany

6.3 1/4" 6.3 1/4"



HAZET No.	l mm	EAN-No. 4000896+
867 X-2	55	121366
868 X	147	121359



10 3/8" Range of sockets

880 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 10 3/8"



880 • 10 3/8" • ⑤
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

8816 P • 10 3/8"

8820 • 10 3/8" • 10 3/8"

8821 • 10 3/8" • 10 3/8"
8821-10 • 8821-3 • 8821-6

HAZET No.	L x W x H mm		EAN-No. 4000896+
880/17	355x235x65	17	168361

880 N Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 10 3/8"



880 • 10 3/8" • ⑤
8 • 10 • 11 • 12
13 • 14 • 15 • 17
19 • 21 • 22

8815 • 10 3/8"

8816 P • 10 3/8"

8820 • 10 3/8" • 10 3/8"
8821 • 10 3/8" • 10 3/8"
8821-10 • 8821-5

HAZET No.	L x W x H mm		EAN-No. 4000896+
880 N-1	355x235x65	16	040926

880 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 10 3/8"



880 • 10 3/8" • ⑤
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20
21 • 22

8815 • 10 3/8"

8816 P • 10 3/8"

8820 • 10 3/8" • 10 3/8"
8821 • 10 3/8" • 10 3/8"
8821-3 • 8821-6

HAZET No.	L x W x H mm		EAN-No. 4000896+
880-2	355x235x65	22	039036

882 Socket set

Made in Germany

Combo set with 6.3 = 1/4" and 10 = 3/8" sockets and bits 6.3 = 1/4"

E TR 10 3/8" 6.3 1/4" 6.3 1/4"

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 • 10 3/8" • ⑤
4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 9
10 • 11 • 12 • 13

863 P • 10 3/8"

866 U • 10 3/8"

867-4 • 10 3/8" • 10 3/8"

869 • 10 3/8" • 10 3/8"

880 • 10 3/8" • ⑤
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

2204 • 10 3/8" • ⑤
3 • 4 • 5 • 6 • 8

2208 • 10 3/8" • ⑤
0.5x4 • 0.6x4.5
0.8x5.5 • 1x6

2215 • 10 3/8" • ⑤
PH 1 • PH 2

2216 • 10 3/8" • ⑤
PZ 1 • PZ 2

2250-1 • 10 3/8" • ⑤
2250-2 • 10 3/8" • ⑤

8816 P • 10 3/8"

8820 • 10 3/8" • 10 3/8"
8821-6 • 10 3/8" • 10 3/8"

HAZET No.	L x W x H mm		EAN-No. 4000896+
882	355x235x65	46	042289





Hand tools

10 3/8" Range of sockets



882 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 • 6.3 1/4 • ⑤
6 • 7 • 8 • 9 • 10 • 13

850 E • 6.3 1/4 • ⑤
E6 • E7 • E8 • E10

863 P • 6.3 1/4

866 U • 6.3 1/4

867-4 • 6.3 1/4 • 6.3 1/4

869 • 6.3 1/4 • 6.3 1/4



880 • 10 3/8 • ⑤
11 • 12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22

880 E • 10 3/8 • ⑤
E11 • E12 • E14

8816 P • 10 3/8

8820 • 10 3/8 • 10 3/8

8821-6 • 10 3/8 • 10 3/8

2204 • ⑤ • ⑤
4 • 5 • 6 • 8

2223 • ⑤ • ⑤
T10 • T15 • T20 • T25
T27 • T30 • T40

2224 • ⑤ • ⑤
T45 • T50

2250-1 • 6.3 1/4 • 6.3 1/4
2250-3 • 10 3/8 • 8 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
882-1	355x235x65	46	100361

884 N Socket set

Made in Germany

- Additionally with spark plug sockets
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



880 • 10 3/8 • ⑤
6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22

880 KF • 10 3/8 • ⑤
20.8 13/16
880 AKF • 10 3/8 • ⑤
16 5/8

8816 P • 10 3/8

8820 • 10 3/8 • 10 3/8

8821-5 • 10 3/8 • 10 3/8



HAZET No.	L x W x H mm		EAN-No. 4000896+
884 N-1	355x235x65	21	042531

885 N Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



880 • 10 3/8 • ⑤
6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22

8801 • 10 3/8 • ⑤
4 • 5 • 6 • 8

8803 • 10 3/8 • ⑤
1x5.5 • 1.2x8 • 1.6x10

8806 • 10 3/8 • ⑤
PH 1 • PH 2 • PH 3

8815 • 10 3/8

8816 P • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-5 • 8821-10



HAZET No.	L x W x H mm		EAN-No. 4000896+
885 N	344x188x56	32	042593

880 ZN Socket set

Made in Germany

- With 12-point sockets
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



880 • 10 3/8 • ⑤
8

880 Z • 10 3/8 • ⑤
10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 21 • 22

8815 • 10 3/8

8816 P • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-10 • 8821-5



HAZET No.	L x W x H mm		EAN-No. 4000896+
880 Z N-1	355x235x65	16	041992



888 ZN Socket set

Made in Germany

- With 12-point sockets
- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



880 Z • 10 3/8 • 12
9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

880 TZ • 10 3/8 • 12
9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

8801 • 10 3/8 • 12
3 • 4 • 5 • 6 • 7
8 • 9 • 10 • 12

8803 • 10 3/8 • 12
1 x 5.5 • 1.2 x 8 • 1.6 x 10

8806 • 10 3/8 • 12
PH 2 • PH 3 • PH 4

8812 U • 10 3/8

8814 • 10 3/8

8815 • 10 3/8

8816 P • 10 3/8

8820 • 10 3/8 • 12
8821 • 10 3/8 • 12
8821-3 • 8821-6
8821-8 • 8821-12

8821 • 10 3/8 • 12
8821-3 • 8821-6
8821-8 • 8821-12

8830 • 10 3/8 • 12

8858-2 • 10 3/8 • 12

HAZET No.	L x W x H mm		EAN-No. 4000896+
888 ZN	578x235x88	58	042654

880 LG Socket set

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size



880 LG Socket set

HAZET No.	l mm		EAN-No. 4000896+
• 10 pcs. 6-point sockets, Long style			
880 LG • 10 3/8 • 12			
10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 Lg/10 H	240	10	040865
• 10 pcs. 12-point sockets			
880 TZ • 10 3/8 • 12			
10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 TZ/10 H	240	10	041831
• 10 pcs. 6-point sockets with universal joint			
880 G • 10 3/8 • 12			
10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 G/10 H	240	10	040612
• 8 Screwdriver sockets for inside hexagon screws			
8801 • 10 3/8 • 12			
3 • 4 • 5 • 6 • 7 • 8 • 9 • 10			
8801/8 H	240	8	039463
8802 • 10 3/8 • 12			
T 15 • T 20 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50			
8802 T/8 H	240	8	039784
• Empty, with 16 retaining clamps			
• Suitable for sockets of 880 series			
880 HL • 10 3/8			
880 HL	430	—	040650

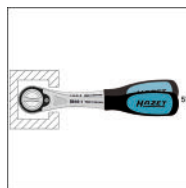
8816 Reversible ratchet, fine-tooth

Made in Germany

- Deep-set reversing switch prevents unintentional change-over
- Induction hardened internal teeth for long service life
- MIM coated cast cover plate and reversing switch

10 3/8

- HAZET 2-component handle
- Number of teeth: 72 (Opening angle 5°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
8816-1	186	185412

8816 Reversible ratchet

Made in Germany

- HAZET 2-component handle
- Number of teeth: 30 (Opening angle 12°)
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

E 10 3/8

HAZET No.	l mm	EAN-No. 4000896+
8816 P	199	042203



Hand tools

10 3/8" Range of sockets



8816 Reversible ratchet

Made in Germany

E 10 3/8"

- With locking device and quick release press button
- Safe locking of the sockets
- By pressing the button, attached tools are easily released – with just one hand
- HAZET 2-component handle
- Number of teeth: 30 (Opening angle 12°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
8816 S	199	042241

8816 Reversible ratchet with hinge joint

Made in Germany

E 10 3/8"

- Ratchet head can be swivelled > 180°
- HAZET 2-component handle
- Short design
- Number of teeth: 30 (Opening angle 12°)
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



Length non-standard

HAZET No.	l mm	EAN-No. 4000896+
8816 GK	218	042142

Made in Germany

E 10 3/8"

- Ratchet head can be swivelled > 180°
- HAZET 2-component handle
- Long design
- Number of teeth: 30 (Opening angle 12°)
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



Length non-standard

HAZET No.	l mm	EAN-No. 4000896+
8816 G	276	042104

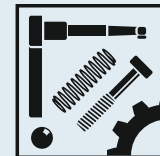
VDE reversible ratchet

See chapter VDE- / Tools for Electricians page 263



Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

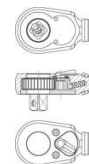


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set

Made in Germany



HAZET No.	EAN-No. 4000896+
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, pawl for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST 916 K, 2264-1, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1, 6402-1 S, 6408-1	
8816 P/6	144617
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 8816 G, 8816 GK, 8816 P, 8816 ST, 5110-2 CT 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	
8816 P/7 N	042234
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring for 8816 S, 6402-1 S as well as for refitting 8816 P, 8816 G, 8816 GK, 8816 ST, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	
8816 S/7	048465
Plastic handle for: 8814, 8816 P, 8816 F, 8816 G, 8816 GK, 2593 Lg-17	
8816 KG-02	042166
Replacement set for joint connection consisting of: screw and lock washer for 8814, 8816 G, 8816 GK	
8816 G-013	042111

8814 Flexible handle

Made in Germany

10 3/8"

- Ergonomically shaped HAZET 2-component handle
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
8814	250	042036



8812 U Spin type speeder

Made in Germany

- HAZET 2-component handle
- With locking ball
- Surface: chrome-plated

10 3/8"



HAZET No.	l mm	EAN-No. 4000896+
8812 U	137	067688

8815 Sliding T-handle

Made in Germany

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

10 3/8"



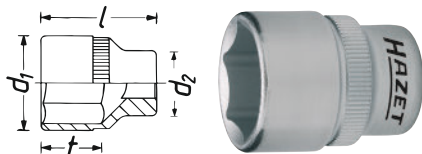
HAZET No.	l mm	EAN-No. 4000896+
8815	198	042067

880 6-point socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

10 3/8"



* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
880- 6 *	24	10	17	6.2	039104
880- 7	24	10.5	17	6.2	039111
880- 8	24	11.8	17	6.2	039128
880- 9	24	13	17	6.2	039135
880-10	25	14.4	17	7.2	038893
880-11	26	15.8	17.5	8.2	038916
880-12	27	17	18.5	9.2	038923
880-13	27.5	18.4	17	9.7	038930
880-14	29.5	19.5	17.5	11.7	038947
880-15	29.5	20.9	18	11.7	038954
880-16	29.5	22.1	18	11.7	038961
880-17	29.5	23.3	18.5	11.7	038978
880-18	31.5	24.8	19	13.5	038992
880-19	31.5	25.8	19.5	13.5	039005
880-20	31.5	26.8	21	13.5	039043
880-21	31.5	28.3	22.5	13	039050
880-22	34	29.6	23.5	16	039067

VDE 6-point socket

See chapter VDE- / Tools for Electricians page 263



880 LG 6-point socket

Made in Germany

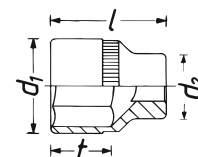
- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

10 3/8"



880 LG 6-point socket

10 3/8"



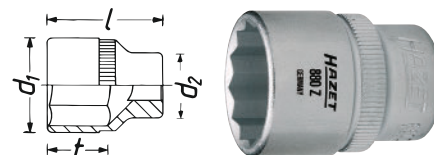
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
880 Lg- 8	54	12.1	17	7	052257
880 Lg- 9	54	13	17	10	040858
880 Lg-10	54	14.4	17	10	040698
880 Lg-11	54	15.8	17.2	11	040704
880 Lg-12	54	17	18.5	11	040711
880 Lg-13	54	18.4	18.5	12	040728
880 Lg-14	54	19.5	19.5	15	040759
880 Lg-15	60	20.8	19.5	15	040766
880 Lg-16	60	21.8	18.5	16	040773
880 Lg-17	60	23	18.5	16	040780
880 Lg-18	66	24.4	20	20	040797
880 Lg-19	66	25.5	20	20	040803
880 Lg-20	70	26.6	21	22	040810
880 Lg-21	70	28	22	22	040834
880 Lg-22	70	29.6	21	22	040841

880 Z 12-point socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

10 3/8"

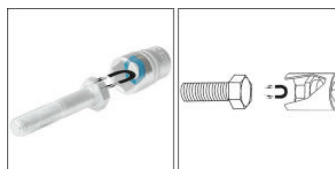


HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
880 Z- 9	24	13	17	6.2	041985
880 Z-10	25	14.4	17	7.2	041848
880 Z-11	26	15.8	17.5	8.2	041855
880 Z-12	27	17	18.5	9.2	041862
880 Z-13	27.5	18.4	17	9.7	041879
880 Z-14	29.5	19.6	17.5	11.7	041893
880 Z-15	29.5	20.9	18	11.7	041909
880 Z-16	29.5	22.1	18	11.7	041916
880 Z-17	29.5	23.3	18.5	11.7	041923
880 Z-18	31.5	24.6	19	13.5	041930
880 Z-19	31.5	25.8	19.5	13.5	041947
880 Z-20	31.5	26.8	20	13.5	041954
880 Z-21	31.5	28.3	22.5	13	041961
880 Z-22	34	29.6	23.5	15.5	041978

960 MGT Magnetic socket insert

- Universal application in all metric 6-point and 12-point sockets, sizes ≤ 10 up to 19 mm

- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable
- 10-piece set, for metric sockets ≤ 10 11 12 13 14 15 16 17 18 19 mm



HAZET No.	EAN-No. 4000896+
960 MGT	097661



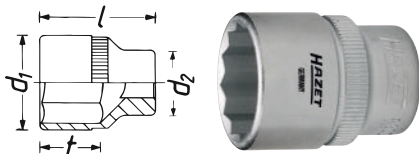
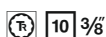
Hand tools

10 3/8" Range of sockets



880 A 12-point socket

- Made in Germany**
- American dimensions**
- With knurling
- Surface: chrome-plated, polished

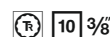


Sizes 1/4" and 5/16" with hexagon

HAZET No.	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
880 A- 1/4	24	10	17	040056
880 A- 5/16	24	11.8	17	040094
880 AZ- 3/8	25	13.8	17	040360
880 AZ- 7/16	26	15.8	17.5	040384
880 AZ- 1/2	27.5	18.7	17	040292
880 AZ- 9/16	29.5	20.1	17.5	040407
880 AZ- 19/32	29.5	21.1	18	040339
880 AZ- 5/8	29.5	22.1	18	040377
880 AZ- 11/16	29.5	23.8	18.5	040308
880 AZ- 3/4	31.5	25.8	19.5	040353
880 AZ- 25/32	31.5	26.8	21	040346
880 AZ- 13/16	32	28.3	22.5	040315
880 AZ- 7/8	34	30.3	23.5	040391
880 AZ- 15/16	36.5	32.3	23.5	040322

880 TZ 12-point socket

- Made in Germany**
- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
880 TZ- 9	54	13	17	10	041824
880 TZ-10	54	14.4	17	10	041602
880 TZ-11	54	15.8	17.2	11	041626
880 TZ-12	54	17	18.5	12.3	041633
880 TZ-13	54	18.4	18.5	12	041664
880 TZ-14	54	19.5	19.5	15	041688
880 TZ-15	60	20.8	19.5	15	041701
880 TZ-16	60	21.8	18.5	16	041718
880 TZ-17	60	23	18.5	16	041725
880 TZ-18	66	24.4	20	20	041749
880 TZ-19	66	25.5	20	20	041756
880 TZ-20	70	26.6	21	22	041763
880 TZ-21	70	28	22	22	041794
880 TZ-22	70	29.6	21	22	041800

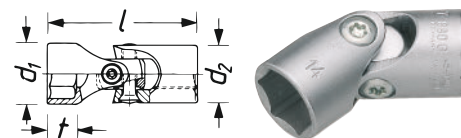
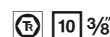
848 Z Box-end wrench, 12-point, open

- Made in Germany**
- Crowfoot Wrenches**
- For union nuts and tube connections
- With square mount
- Metric dimensions



880 G Joint socket

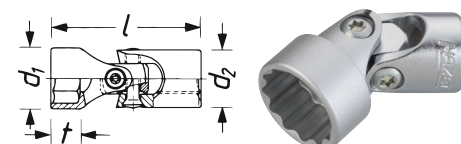
- Made in Germany**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
880 G-10	43	13.8	19	6.8	040414
880 G-11	43	15	19	6.8	040438
880 G-12	44	16.6	19	7.3	040445
880 G-13	44	17.8	19	7.3	040452
880 G-14	45	19	19	9.3	040469
880 G-15	45	20.4	19	9.3	040476
880 G-16	46	22	19	9.2	040483
880 G-17	46	22.8	19	9.2	040490
880 G-18	47	24.5	19	10.2	040506
880 G-19	48	25.2	19	11.2	040513

880 GZ Universal joint socket (12-point)

- Made in Germany**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished



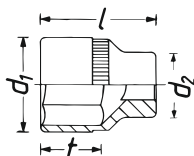
HAZET No.	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
880 G-Z 16	45.8	22	19	203734
880 G-Z 18	46.8	24.5	19	203529



880 MGT Spark plug socket

Made in Germany

- With permanent magnet
- Long design
- Surface: chrome-plated, polished



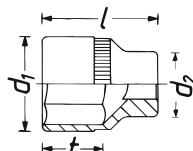
HAZET No.	S mm	l mm	d mm	EAN-No. 4000896+
880 Mg T	20.8	64	27.4	040872
880 A Mg T	16	64	21.7	040247

880 MGT Spark plug socket

Made in Germany

- With permanent magnet

- With outside hexagon 17 mm
- For motorcycles, e.g. HONDA, YAMAHA, SUZUKI, KAWASAKI etc.
- Long design
- Surface: chrome-plated, polished



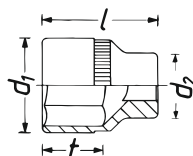
HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 Mg T-18	18	62	23.5	22.8	040889

880 AMGT Spark plug socket

Made in Germany

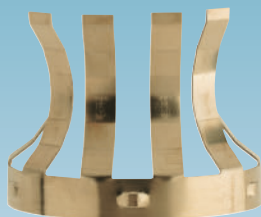
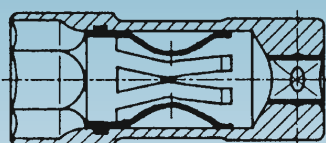
- With outside guide collar 23.6 mm for deeply located spark plugs

- With permanent magnet
- Long design
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 A Mg T-1	16	64	21.9	21	040254

Fixing clamp information



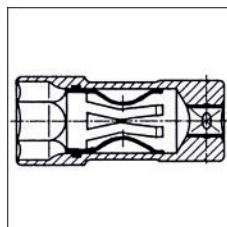
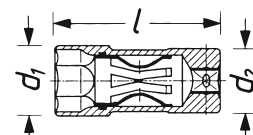
- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

880 KF Spark plug socket

Made in Germany

- The fixing clamp reduces the risk of insulator damage

- For spark plug changing
- With fixing clamp to hold the spark plug
- The fixing clamp reduces the risk of insulator damage
- Long design
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 KF	20.8	64	27.4	22	040674
880 A KF	16	64	21.6	25	040131

HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
4766	16	97	21.4	18	049295
4766-1	16	270	21.4	18	048991
4766-2	14	64	18	17.3	087655
4766-3	14	154	19.1	18	199976

880 KF Fixing clamp

Made in Germany

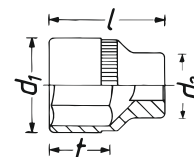


HAZET No.	EAN-No. 4000896+
Fixing clamp for 880 A KF, 900 A KF, 4766, 4766-1, 4767 A KF	
880 A KF-01	050130
Fixing clamp for 880 KF, 900 KF, 4767 KF	
880 KF-01	050123

880 E TORX® socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished



HAZET No.	l mm	d1 mm	d2 mm	mm	EAN-No. 4000896+
880-E 5	28	7	17	4.75	039258
880-E 6	28	8	17	5.74	039272
880-E 7	28	9	17	6.22	039296
880-E 8	28	10.5	17	7.52	039319
880-E 10	28	13	17	9.42	039159
880-E 11	28	14	17	10.08	039180
880-E 12	28	14.9	17	11.17	039197
880-E 14	28	16.5	18.5	12.90	039227



Hand tools

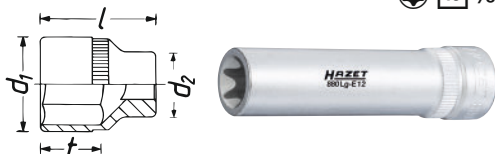
10 3/8 Range of sockets



880 LG TORX® socket

Made in Germany

- Long design
- Surface: chrome-plated, polished

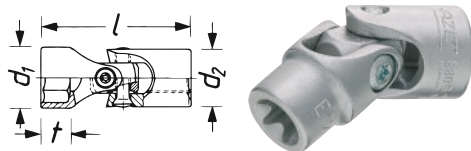


HAZET No.	l mm	d ₁ mm	d ₂ mm	mm	EAN-No. 4000896+
880 Lg-E 8	65	10.5	17	7.52	053070
880 Lg-E 10	65	13	17	9.42	053087
880 Lg-E 12	65	14.9	17	11.17	053100
880 Lg-E 14	65	16.5	18.5	12.90	053117

880 G TORX® socket

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished



880 G TORX® socket



10 3/8

HAZET No.	l mm	d ₁ mm	d ₂ mm	mm	EAN-No. 4000896+
880 G-E 8	43	19	19	7.52	040599
880 G-E 10	44	19	19	9.42	040537
880 G-E 12	46	19	19	11.17	040551
880 G-E 14	48	19	19	12.90	040575

880 G TORX® socket set

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished



880 G • 10 3/8 •
E 8 • E 10 • E 12 • E 14

HAZET No.	mm	EAN-No. 4000896+
880 G-E/4	4	040520

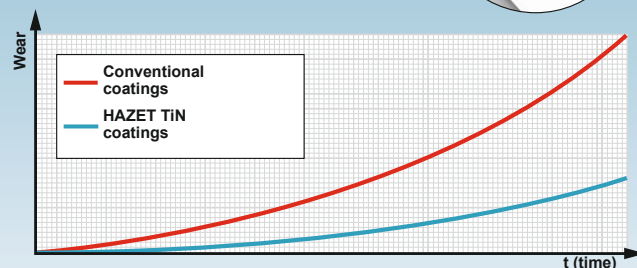
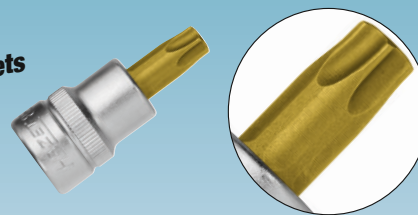
TiN coating



Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

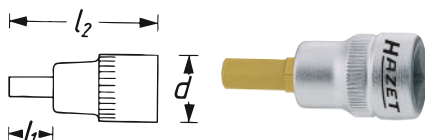
TiN-coated screwdriver sockets



8801 K Screwdriver socket

Made in Germany

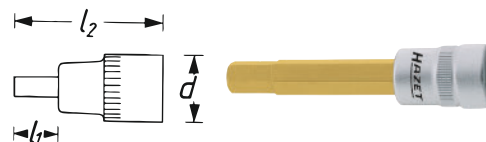
- Extra short design
- With knurling
- Surface: TiN
- DIN 7422



8801 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface: TiN
- DIN 7422



s 3–9–12: not according to DIN
+ = With offset blade

HAZET No.	s mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
8801- 3 +	3	23.5	50	17	039364
8801- 4 +	4	28.5	55	17	039371
8801- 5 +	5	33.5	60	17	039388
8801- 6	6	38.5	65	17	039395
8801- 7 +	7	43.5	70	19	039401
8801- 8	8	48.5	75	19	039425
8801- 9 +	9	52.5	80	19	039432
8801-10	10	57.5	85	19	039340
8801-11	11	60	87.5	19	166299
8801-12	12	62.5	90	19	039357

* = Not according to DIN

HAZET No.	s mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
8801 K- 3	3	17	43.5	17	053582
8801 K- 4 *	4	17	43.5	17	053599
8801 K- 5	5	17	43.5	17	053605
8801 K- 6	6	17	43.5	17	053612
8801 K- 7	7	17	43.5	19	053629
8801 K- 8	8	17	43.5	19	053636
8801 K- 9 *	9	17	43.5	19	053643
8801 K-10	10	17	43.5	19	053650



8801 Screwdriver socket set

Made in Germany

- Short design
- With knurling
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface:
- DIN 7422

10 3/8



8801 • 3/8 •
4 • 5 • 6 • 7 • 8 • 10

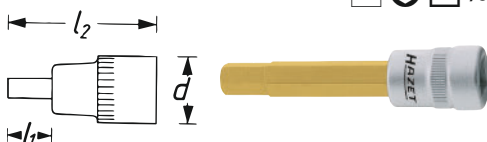
HAZET No.	L x W x H mm		EAN-No. 4000896+
8801/6	185x153x52	6	186853

8801 A Screwdriver socket

Made in Germany

- Short design
- American dimensions
- With knurling
- Surface:

10 3/8



+ = With offset blade

HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 A-1/8 +	23.5	50	17	039487
8801 A-3/32 +	28.5	55	17	039524
8801 A-3/16 +	33.5	60	17	039494
8801 A-7/32 +	38.5	65	17	039531
8801 A-1/4 +	43.5	70	19	039470
8801 A-5/16	48.5	75	19	039517
8801 A-3/8 +	52.5	80	19	039500

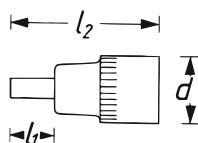
HAZET No.	S mm	d_2 mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584-8	8	19	6.6	24	149438
2784-1	7	19	6.6	24	148530

8801 KK Screwdriver socket

Made in Germany

- Long design
- With ball-head
- With knurling
- Surface:

10 3/8



HAZET No.	S mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 KK- 5	5	89.5	116	17	039586
8801 KK- 6	6	89.5	116	17	039593
8801 KK- 7	7	89.5	116	19	039609
8801 KK- 8	8	89.5	116	19	039616
8801 KK-10	10	88.5	116	19	039579

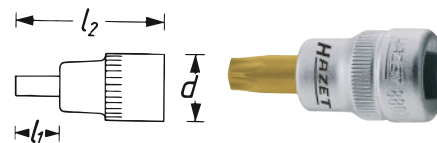
HAZET No.	S mm	d_2 mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2527-5	5	19	200	227	016303

8802 Screwdriver socket TORX®

Made in Germany

- Short design
- With knurling
- Surface:

10 3/8



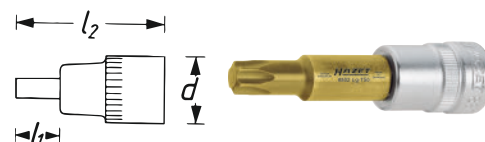
HAZET No.	l_1 mm	l_2 mm	d mm		EAN-No. 4000896+
8802-T 15	17	43.5	19	3.27	039647
8802-T 20	17	43.5	19	3.86	039654
8802-T 25	17	43.5	19	4.43	039661
8802-T 27	17	43.5	19	4.99	039678
8802-T 30	17	43.5	19	5.52	039685
8802-T 40	17	43.5	19	6.65	039708
8802-T 45	17	43.5	19	7.82	039722
8802-T 50	17	44.5	19	8.83	039753

8802 LG Screwdriver socket TORX®

Made in Germany

- Medium length design
- With knurling
- Surface:

10 3/8



HAZET No.	l_1 mm	l_2 mm	d mm		EAN-No. 4000896+
8802 Lg-T 50	42	69.5	19	8.83	159291

8803 Screwdriver socket

Made in Germany

- Medium length design
- With knurling
- Surface:
- DIN ISO 2380-1

10 3/8



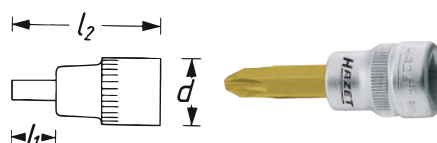
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8803-1x5.5	48.5	75	17	039814
8803-1.2x8	53.5	80	19	039791
8803-1.6x10	62.5	90	19	039807

8806 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface:
- Tip ISO 8764-1

10 3/8



HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8806-PH 1	23.5	50	17	039845
8806-PH 2	23.5	50	17	039852
8806-PH 3	28.5	55	19	039869
8806-PH 4	32.5	60	19	039876



Hand tools

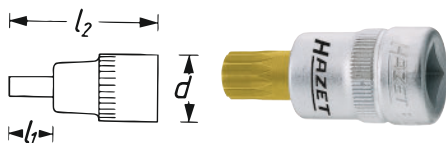
10 3/8" Range of sockets



8808 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface: TIN
- DIN 2324, DIN 2325

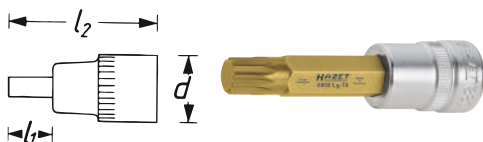


HAZET No.	M	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808- 5	5	13.5	40	19	039982
8808- 6	6	13.5	40	19	039999
8808- 8	8	14.5	41	19	040001
8808-10	10	14.5	42	19	039975

8808 LG Screwdriver socket

Made in Germany

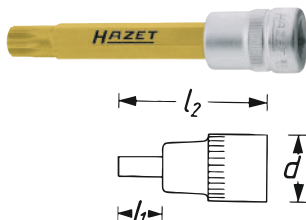
- Medium length design
- With knurling
- Surface: TIN
- DIN 2324, DIN 2325



HAZET No.	M	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808 Lg 70-10	10	42	69.5	19	159307

Made in Germany

- Long design
- With knurling
- Surface: TIN
- DIN 2324, DIN 2325



HAZET No.	M	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808 Lg- 8	8	61.5	88	19	040025
8808 Lg-10	10	61.5	89	19	040018

VDE Screwdriver Socket

See chapter VDE- / Tools for Electricians page 263



8858 Adapter

Made in Germany

- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316



8858 Adapter

HAZET No.	l mm	EAN-No. 4000896+
• drive 12.5 = 1/2" – drive 10 = 3/8"		
8858-1	36	042562
• drive 6.3 = 1/4" – drive 10 = 3/8"		
8858-2	26	042579

2250 Adapter

Made in Germany

- For manual operation
- With inside square and inside hexagon insert
- With clamping ball for bits
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• 6.3 = 1/4" – 10 = 3/8"		
2250-2	30	015450
• 8 = 5/16" – 10 = 3/8"		
2250-3	31	015474

8820 Universal joint

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
8820	46.5	042296

8821 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316



* = Length not according to DIN

HAZET No.	l mm	EAN-No. 4000896+
8821- 1 *	36	042302
8821- 3	74	042357
8821- 5	126	042364
8821- 6 *	150	042371
8821- 8 *	202	042388
8821-10	254	042319
8821-12 *	304	042326
8821-20 *	508	042333
8821-28 *	711	042340

VDE Extension

See chapter VDE- / Tools for Electricians page 263



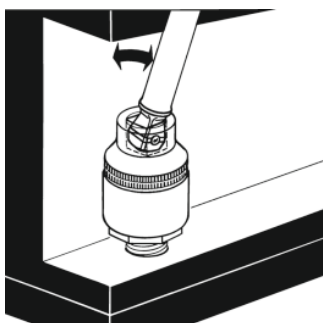


8822 Extension, can be pivoted

Made in Germany

10 3/8" 10 3/8"

- With ball-shaped, conical outside square, allows 8° angular movement to every side
- By attaching a socket until its end stop is reached, the wobble extension may also be used as a rigid connection
- With locking ball
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
8822- 1	36	042418
8822- 3	74	042432
8822-10	254	042425

8830 Flexible extension

Made in Germany

10 3/8" 10 3/8"

- Flexible shaft enables operation around troublesome edges and fast working even in areas with restricted access
- With locking ball



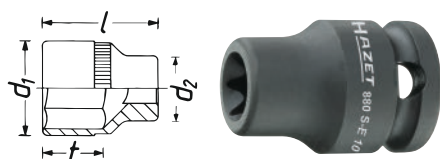
HAZET No.	l mm	EAN-No. 4000896+
8830	210	042487

880 S Impact socket (TORX®)

Made in Germany

10 3/8"

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	d1 mm	d2 mm	mm	EAN-No. 4000896+
880 S-E 10	28	14	19	9.42	041237
880 S-E 12	28	15.9	19	11.17	041251

8807 S Impact adaptor

Made in Germany

12 1/2" 10 3/8"

- Drive with borehole for locking pin and groove for O-ring, drive with locking pin



HAZET No.	l mm	EAN-No. 4000896+
8807 S-1	35.5	039951

8808 S Impact adapter

Made in Germany

10 3/8" 8 5/16"

- For impact sockets with □ drive 10 = 3/8"
- With locking pin
- Surface: steel grey, oiled



HAZET No.	l mm	EAN-No. 4000896+
8808 S-1	75	040032

880 S O-ring and connecting pin

Made in Germany

10 3/8"



HAZET No.	mm	EAN-No. 4000896+
880 S-G 612	13x3.5	041381
880 S-G 1317	16x3.5	041374
880 S-H 1317	2.5x16	041398

880 S Safety spring

Made in Germany

- For impact sockets according to DIN 3129



HAZET No.	mm	EAN-No. 4000896+
880 S-HF 612	16.6	041428
880 S-HF 1319	18.0	041411



Hand tools

12⁵ 1/2 Range of sockets



12⁵ 1/2 Range of sockets

900 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



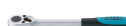
360°



900 • 12⁵ 1/2 • ⑤
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32



915 • 12⁵ 1/2



916 SP • 12⁵ 1/2



917-5 • 12⁵ 1/2 • 12⁵ 1/2



918-10 • 12⁵ 1/2 • 12⁵ 1/2



920 • 12⁵ 1/2 • 12⁵ 1/2

HAZET No.	L x W x H mm		EAN-No. 4000896+
900	355x235x65	25	042685

906 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



900 • 12⁵ 1/2 • ⑤
10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 22 • 24
27 • 30 • 32



915 • 12⁵ 1/2



916 SP • 12⁵ 1/2



917-5 • 12⁵ 1/2 • 12⁵ 1/2



918-10 • 12⁵ 1/2 • 12⁵ 1/2

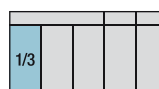
HAZET No.	L x W x H mm		EAN-No. 4000896+
906	355x235x65	17	045891

954 N Socket set

Made in Germany

- Additionally with screwdriver sockets coated with CVD titanium nitride (TIN), bits and adapter
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



900 • 12⁵ 1/2 • ⑤
10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27
28 • 30 • 32



915 • 12⁵ 1/2



916 SP • 12⁵ 1/2



917-5 • 12⁵ 1/2 • 12⁵ 1/2



918-10 • 12⁵ 1/2 • 12⁵ 1/2



920 • 12⁵ 1/2 • 12⁵ 1/2



986 • 12⁵ 1/2 • ①
5 • 6 • 7 • 8 • 10 • 12 • 14



2217 • ⑧ 1/4 • ①
PH 1 • PH 2 • PH 3 • PH 4



2218 • ⑧ 1/4 • ①
PZ 1 • PZ 2 • PZ 3 • PZ 4



2224 • ⑧ 1/4 • ①
T 27 • T 30 • T 40
T 45 • T 50



2250-5 • 12⁵ 1/2 • ⑧ 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
954 N	355x235x65	44	046621

905 Socket set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

E TR 12⁵ 1/2



900 • 12⁵ 1/2 • ⑤
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 20 • 21 • 22
23 • 24 • 25 • 26 • 27
28 • 30 • 32



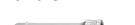
914-15 • 12⁵ 1/2



915 • 12⁵ 1/2



916 SP • 12⁵ 1/2



917-5 • 12⁵ 1/2 • 12⁵ 1/2



918-10 • 12⁵ 1/2 • 12⁵ 1/2



920 • 12⁵ 1/2 • 12⁵ 1/2



980 • 12⁵ 1/2 • ①
2 x 13

HAZET No.	L x W x H mm		EAN-No. 4000896+
905	435x215x62	30	045846



900 Z Socket set

Made in Germany

- With 12-point sockets
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



900 Z • 12⁵ 1/2 • 12⁵ 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • 12⁵ 1/2
916 SP • 12⁵ 1/2
917-5 • 12⁵ 1/2 • 12⁵ 1/2

918-10 • 12⁵ 1/2 • 12⁵ 1/2
920 • 12⁵ 1/2 • 12⁵ 1/2

HAZET No.	L x W x H mm		EAN-No. 4000896+
900 Z	355x235x65	25	045440

900 AZ Socket set

Made in Germany

- With 12-point sockets
- American dimensions
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



900 AZ • 12⁵ 1/2 • 12⁵ 1/2
3/8 • 7/16 • 1/2 • 9/16 • 5/8
5/8 • 11/16 • 3/4 • 29/32 • 13/16
7/8 • 15/16 • 31/32 • 1 • 1 1/16
1 1/8 • 1 3/16 • 1 1/4

915 • 12⁵ 1/2
916 SP • 12⁵ 1/2
917-5 • 12⁵ 1/2 • 12⁵ 1/2

918-10 • 12⁵ 1/2 • 12⁵ 1/2
920 • 12⁵ 1/2 • 12⁵ 1/2

HAZET No.	L x W x H mm		EAN-No. 4000896+
900 A Z	355x235x65	23	043569

932 Socket set

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

E TR 12⁵ 1/2



900 • 12⁵ 1/2 • 12⁵ 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27

916 SP • 12⁵ 1/2
917-5 • 12⁵ 1/2 • 12⁵ 1/2

918-10 • 12⁵ 1/2 • 12⁵ 1/2
920 • 12⁵ 1/2 • 12⁵ 1/2

HAZET No.	L x W x H mm		EAN-No. 4000896+
932/18	355x235x65	18	168378

900 HL Socket rail

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size
- Clear arrangement – sockets are always ready to hand
- Made of metal

12⁵ 1/2



HAZET No.	l mm	EAN-No. 4000896+
900 HL	430	043842

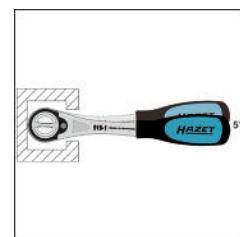
916 Reversible ratchet, fine-tooth

Made in Germany

- Deep-set reversing switch prevents unintentional change-over
- Induction hardened internal teeth for long service life
- MIM coated cast cover plate and reversing switch

12⁵ 1/2

- HAZET 2-component handle
- Number of teeth: 72 (Opening angle 5°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
916-1	245	162482



Hand tools

12⁵ 1/2 Range of sockets



916 Reversible ratchet

Made in Germany

- HAZET 2-component handle
- Number of teeth: 32 (Opening angle 11.25°)
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

E 12⁵ 1/2



360°



HAZET No.	l mm	EAN-No. 4000896+
916 SP	275	046317

Made in Germany

- With locking device and quick-release press-button
- Safe locking of the sockets
- By pressing the button, attached tools are easily released – with just one hand
- HAZET 2-component handle
- Number of teeth: 32 (Opening angle 11.25°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315

E 12⁵ 1/2



HAZET No.	l mm	EAN-No. 4000896+
916 S	275	046287

916 Reversible ratchet with hinge joint

Made in Germany

- Ratchet head can be swivelled > 180°
- HAZET 2-component handle
- Short design
- Number of teeth: 32 (Opening angle 11.25°)
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

E 12⁵ 1/2



HAZET No.	l mm	EAN-No. 4000896+
916 GK	270	046201

916 Reversible ratchet, short

Made in Germany

- Only 199 mm short, in compact design of a 12⁵ ratchet
- Max. torque 300 Nm
- HAZET 2-component handle
- Short design
- Number of teeth: 32 (Opening angle 11.25°)
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

E 12⁵ 1/2



916 Reversible ratchet, short

E 12⁵ 1/2



HAZET No.	l mm	EAN-No. 4000896+
916 K	199	155736

916 Reversible ratchet, long

Made in Germany

- Long lever arm reducing the expenditure of force

E 12⁵ 1/2

- Shank diameter: 15 mm
- HAZET 2-component handle
- Long design
- Number of teeth: 32 (Opening angle 11.25°)
- With locking ball
- Surface: chrome-plated
- DIN 3122, ISO 3315



Length non-standard

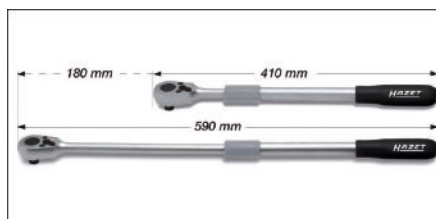
HAZET No.	l mm	EAN-No. 4000896+
916 L	389	165803

916 Reversible ratchet, extendable

Made in Germany

E 12⁵ 1/2

- Continuously adjustable from 410 to 590 mm
- Long lever arm reducing the expenditure of force
- Max. torque 600 Nm
- Easy fixation with knurled ring
- Plastic handle
- Long design
- Number of teeth: 32 (Opening angle 11.25°)
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315



Length non-standard

HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
916 Lg	410	590	116591



916 Reversible ratchet, long, with hinge joint

Made in Germany

12.5 1/2

• Ratchet head can be swivelled > 180°

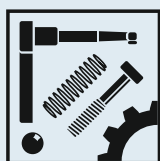
- HAZET 2-component handle
- Long design
- Number of teeth: 32 (Opening angle 11.25°)
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



HAZET No.	b mm	l mm	EAN-No. 4000896+
916 GL	40	511	202485

Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

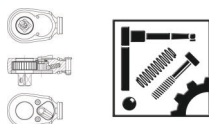


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

916 Replacement set

Made in Germany



HAZET No.	EAN-No. 4000896+
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, 2 screws, ball, compression spring, ratchet wheel with quick-release press-button and pawl for 916 S as well as for refitting 916 SP, 916 GK and 916 L	
916 S/7	046300
Replacement set for shift lever 12.5 = 1/2" ■ consisting of: shift lever, 2 screws, ball, compression spring and pawl for 916 S, 916 SP, 916 GK, 916 Lg, 916 L, 916 GL	
916 SP/6	144624
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, screws, ball, compression spring, ratchet wheel and pawl for 916 SP, 916 GK, 916 Lg, 916 L, 916 GL	
916 SP/7-1	046348
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, screws, ball, compression spring, ratchet wheel and pawl for 916 K	
916 K/7	155743

914 Flexible handle

Made in Germany

12.5 1/2

- HAZET 2-component handle
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated
- DIN 3122, ISO 3315



914 Flexible handle

12.5 1/2

HAZET No.	l mm	EAN-No. 4000896+
914-15	396	046027
914-18	472	046041

915 Sliding T-handle

Made in Germany

12.5 1/2

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



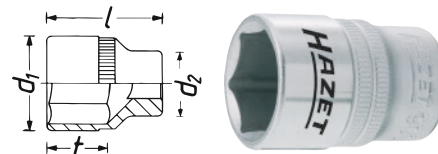
HAZET No.	l mm	EAN-No. 4000896+
915	298	046072

900 Socket (6-point)

Made in Germany

12.5 1/2

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



* = Not according to DIN

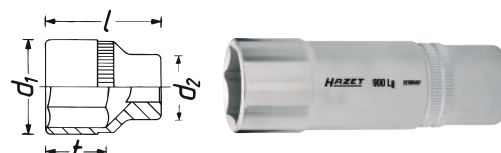
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900- 8	38	12	22	7.8	042968
900- 9 *	38	13.5	22	8.8	042975
900-10	38	14.9	22	10.8	042715
900-11	38	16.4	22	10.8	042722
900-12	38	17.5	22	11.3	042739
900-13	38	18.8	22	11.3	042746
900-14	38	20.3	22.5	11.8	042753
900-15	38	21.5	23.2	11.8	042760
900-16	38	22.7	23.6	12.2	042777
900-17	38	24.1	22	12.7	042784
900-18	38	25.4	22.4	14.2	042791
900-19	38	26.6	23	14.2	042807
900-20	38	27.8	24	14.2	042821
900-21	38	29	25	14.1	042838
900-22	41.5	30.4	26	17.6	042845
900-23	41.5	31.4	26	17.6	042869
900-24	44	32.6	26	18.2	042876
900-25	44	33.9	26	17.9	042883
900-26	44	35.1	24	17.8	042890
900-27	46	36.2	25	19.7	042906
900-28	47	37.5	26	20.6	042913
900-29 *	50	38.7	27	23.4	042920
900-30	50	40.1	28	23.3	042937
900-32	50	42.3	28	23	042944
900-34	52	46	28	23.3	042951
900-36	57	49	28	25.6	192519

900 LG Socket (6-point)

Made in Germany

12.5 1/2

- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





Hand tools

12⁵ 1/2 Range of sockets



900 LG Socket (6-point)

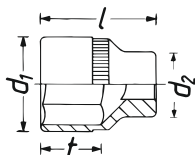
12⁵ 1/2

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 Lg-10	85	14.9	22	10	053438
900 Lg-12	85	17.5	22	12.3	043873
900 Lg-13	85	18.8	22	13.3	043880
900 Lg-14	85	19.9	22.5	14.2	043897
900 Lg-15	85	21.5	23.2	15.2	043903
900 Lg-16	85	22.7	23.6	16	043910
900 Lg-17	85	24.1	23.6	19	043927
900 Lg-18	85	24.6	23.6	19	043934
900 Lg-19	85	28.5	26	19	043941
900 Lg-21	85	28.6	24.5	19	043965
900 Lg-22	85	30.4	25	22	043972
900 Lg-24	85	32.6	27.5	25	043989
900 Lg-27	85	36.3	30	28	044009
900 Lg-30	85	40.1	33	31	044016
900 Lg-32	85	42.5	35	34.2	049660

900 Z Socket (12-point)

Made in Germany

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



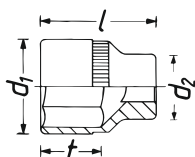
* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 Z- 8	38	12	22	7.5	045686
900 Z- 9 *	38	13.5	22	8.5	045693
900 Z-10	38	14.9	22	10.5	045457
900 Z-11	38	16.4	22	10.5	045464
900 Z-12	38	17.5	22	11	045471
900 Z-13	38	18.8	22	11	045488
900 Z-14	38	20.3	22.5	11.5	045495
900 Z-15	38	21.5	23.2	11.5	045501
900 Z-16	38	22.7	23.6	12.5	045518
900 Z-17	38	24.1	22	12.5	045525
900 Z-18	38	25.4	22.4	14	045532
900 Z-19	38	26.6	23	14	045549
900 Z-20	38	27.8	24	14	045556
900 Z-21	38	29	25	14	045563
900 Z-22	41.5	30.4	25	17.5	045570
900 Z-23	41.5	31.4	26	17.5	045587
900 Z-24	44	32.6	26	20	045594
900 Z-25 *	44	33.9	26.5	20	045600
900 Z-26 *	44	35.1	24	20	045617
900 Z-27	46	36.2	25	21	045624
900 Z-28 *	47	37.5	26	22	045631
900 Z-30	50	40.1	28	25	045655
900 Z-32 *	50	42.3	28	24	045662
900 Z-33 *	50	43.6	28	24	045679
900 Z-34	52	46	28	23.3	144792
900 Z-36	57	49	28	25.6	192502

900 AZ Socket (12-point)

Made in Germany

- American dimensions
- With knurling
- Surface: chrome-plated, polished



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 AZ-3/8	38	14.5	22	10.5	043699
900 AZ-7/16	38	16.4	22	10.5	043729
900 AZ-1/2	38	18.3	22	11	043620

900 AZ Socket (12-point)

12⁵ 1/2

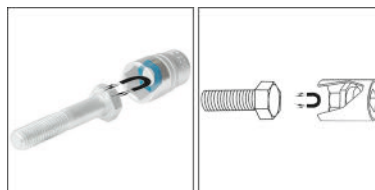
HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 AZ-9/16	38	20.5	22.5	11.5	043743
900 AZ-19/32	38	21.5	23.2	11.5	043668
900 AZ-5/8	38	22.7	23.6	12.5	043712
900 AZ-11/16	38	24.6	22	12.5	043637
900 AZ-3/4	38	26.8	23	14	043682
900 AZ-25/32	38	27.8	24	14	043675
900 AZ-13/16	38	28.6	25	14	043644
900 AZ-7/8	41.5	30.4	26	17.5	043736
900 AZ-15/16	44	32.6	26	20	043651
900 AZ-31/32	44	33.4	24.6	20	043705
900 AZ-1	44	34.6	24.8	20	043576
900 AZ-1.1/16	46	36.3	25	21	043583
900 AZ-1.1/8	47	38.2	26.5	22	043606
900 AZ-1.3/16	50	40.1	28	25	043613
900 AZ-1.1/4	50	42.3	28	24	043590

960 MGT Magnetic socket insert

- Universal application in all metric 6-point and 12-point sockets, sizes s 10 up to 19 mm

- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable

- 10-piece set, for metric sockets
s 10 11 12 13 14 15 16 17 18 19 mm



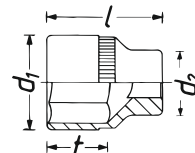
HAZET No.	EAN-No. 4000896+
960 MgT	097661

900 TZ Socket (12-point)

Made in Germany

12⁵ 1/2

- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



+ = With rubber ply for spark plugs

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 TZ-10	85	14.9	22	10	053452
900 TZ-11	85	16.4	22	11.5	053445
900 TZ-12	85	17.5	22	12.3	045242
900 TZ-13	85	18.8	22	13.3	045259
900 TZ-14	85	19.9	22.5	15.2	045266
900 TZ-15	85	21.5	23.2	15.2	045273
900 TZ-16	85	22.7	23.6	16	045280
900 TZ-17	85	24.1	23.6	19	045297
900 TZ-18	85	24.6	23.6	19	045310
900 TZ-19	85	26.8	26	19	045334
900 TZ-20.8-13/16 +	85	28.5	24.5	19	045341
900 TZ-21	85	28.6	24.5	19	045358
900 TZ-22	85	30.4	25	22	045365
900 TZ-24	85	32.6	27.5	25	045389
900 TZ-27	85	36.3	30	28	045419
900 TZ-30	85	40.1	33	31	045426



848 Z Box-end wrench, 12-point, open

Made in Germany

- Crowfoot Wrenches
- For union nuts and tube connections
- With square mount
- Metric dimensions

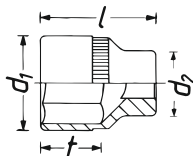


HAZET No.	mm	EAN-No. 4000896+
848 Z-10	□ 6.3 = 1/4"	079049
848 Z-12	□ 6.3 = 1/4"	079056
848 Z-13	□ 6.3 = 1/4"	079063
848 Z-14	□ 6.3 = 1/4"	079070
848 Z-16	□ 10 = 3/8"	079087
848 Z-17	□ 10 = 3/8"	079094
848 Z-18	□ 10 = 3/8"	079100
848 Z-19	□ 10 = 3/8"	079117
848 Z-21	□ 10 = 3/8"	079124
848 Z-22	□ 10 = 3/8"	079131
848 Z-24	□ 10 = 3/8"	079148
848 Z-27	□ 10 = 3/8"	079162
848 Z-30	□ 12.5 = 1/2"	079179
848 Z-32	□ 12.5 = 1/2"	079186
848 Z-36	□ 12.5 = 1/2"	079193
848 Z-41	□ 12.5 = 1/2"	079216
848 Z-46	□ 12.5 = 1/2"	079223

900 MGT Spark plug socket

Made in Germany

- With permanent magnet
- Surface: chrome-plated, polished

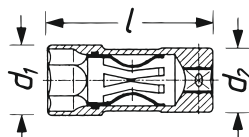
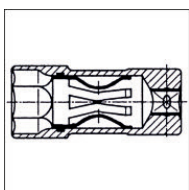


HAZET No.	s mm	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
900 Mg T	20.8	68	27.4	23.5	9	044023
900 A Mg T	16	71	22.5	22.5	8.5	043491

900 KF Spark plug socket

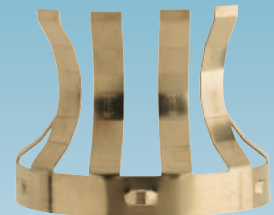
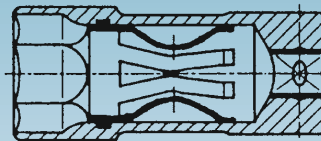
Made in Germany

- With fixing clamp to hold the spark plug
- The fixing clamp reduces the risk of insulator damage
- Surface: chrome-plated, polished



HAZET No.	s mm	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
900 KF	20.8	71	27.4	25	10	043859
900 A KF	16	71	22.5	22.5	10	043408

Fixing clamp information



- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

880 KF Fixing clamp

Made in Germany

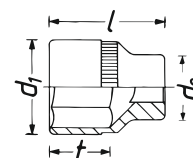


HAZET No.	EAN-No. 4000896+
Fixing clamp for 880 KF, 900 KF, 4767 KF	
880 KF-01	050123
Fixing clamp for 880 A KF, 900 A KF, 4766, 4766-1, 4767 A KF	
880 A KF-01	050130

900 E TORX® socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished



HAZET No.	l mm	d ₁ mm	d ₂ mm	mm	EAN-No. 4000896+
900-E 10	38	13.3	22	9.42	042982
900-E 11	38	14	22	10.08	043002
900-E 12	38	14.9	22	11.17	043019
900-E 14	38	16.7	22	12.90	043033
900-E 16	38	19	22	14.76	043057
900-E 18	38	21	27	16.70	043071
900-E 20	38	23.5	27	18.49	043095
900-E 24	41.2	28.5	27	22.16	043118

900 E TORX® socket set

Made in Germany

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: chrome-plated, polished



900 E • 12⁵ 1/2 • 12⁵ 1/2
E 10 • E 12 • E 14 • E 16 • E 18



HAZET No.	W x D mm	mm	EAN-No. 4000896+
900-E/5	172x50	5	129331



Hand tools

12⁵ 1/2 Range of sockets

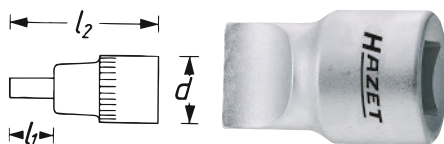


980 Screwdriver socket

Made in Germany

- Surface: chrome-plated

12⁵ 1/2



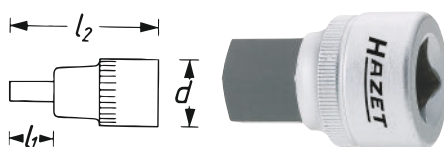
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
980-2x13	21	38	22	046737
980-3x19	20	38	23.7	046744

985 Screwdriver socket

Made in Germany

- Extra short design
- With knurling
- DIN 7422

12⁵ 1/2



* = Not according to DIN

HAZET No.	S mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
985- 4 *	4	5	38	22	046829
985- 5 *	5	5	38	23	046836
985- 6	6	6	38	23	046843
985- 8	8	8	38	23	046850
985-10	10	10	40	25	046775
985-12	12	12	40	25	046782
985-14	14	14	40	25	046799
985-17 *	17	17	42	28	046805
985-19 *	19	19	42	28	046812

985 Screwdriver socket set

Made in Germany

- Extra short design
- With knurling
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert
- DIN 7422

12⁵ 1/2



985 • 12⁵ 1/2 • 12⁵ 1/2
5 • 6 • 8 • 10
12 • 14 • 17 • 19

915 • 12⁵ 1/2

917-5 • 12⁵ 1/2 • 12⁵ 1/2

916 SP • 12⁵ 1/2

918-10 • 12⁵ 1/2 • 12⁵ 1/2

HAZET No.		EAN-No. 4000896+
985	12	046768

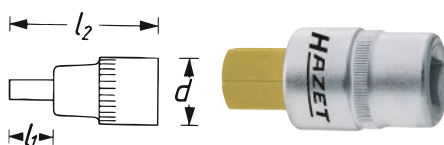
986 Screwdriver socket

Made in Germany

- With TiN-coated blades

TiN 12⁵ 1/2

- Short design
- With knurling
- Surface: TiN
- DIN 7422



986 Screwdriver socket

TiN 12⁵ 1/2

* = Not according to DIN

HAZET No.	S mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986- 4 *	4	22	60	23	046928
986- 5 *	5	22	60	23	046935
986- 6	6	22	60	23	046942
986- 7	7	22	60	23	046959
986- 8	8	22	60	23	046973
986- 9	9	22	60	23	146734
986-10	10	22	60	23	046874
986-12	12	22	60	24.6	046881
986-14	14	22	60	24.6	046898
986-17 *	17	20	60	28.5	046904
986-19 *	19	20	60	31.5	046911
986-22 *	22	20.5	60	28	082865

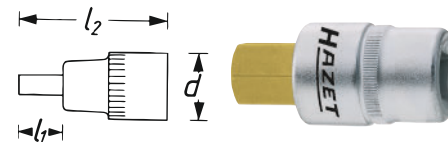
HAZET No.	S mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584	6	32	70	017041

986 A Screwdriver socket

Made in Germany

- Short design
- American dimensions
- With knurling
- Surface: TiN

TiN 12⁵ 1/2



HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 A-5/32	14	52	23	047048
986 A-3/16	14	52	23	047017
986 A-7/32	14	52	23	047062
986 A-1/4	14	52	23	047000
986 A-5/16	14	52	23	047031
986 A-3/8	14	52	23	047024
986 A-7/16	14	52	23	047055
986 A-1/2	14	52	23	046997

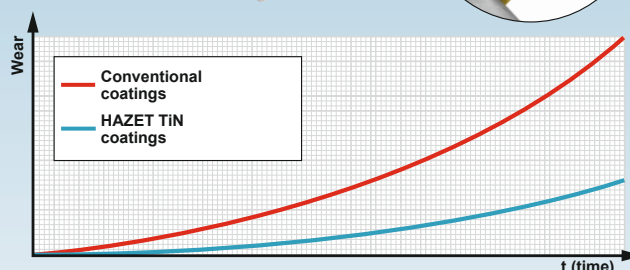
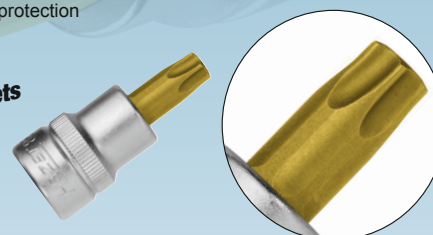
TiN coating

TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TiN-coated screwdriver sockets





986 LG Screwdriver socket

Made in Germany

- Long design
- With knurling
- Surface:
- DIN 7422

12⁵ 1/2



986 Lg-5 6 7 9 with offset blade

HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
986 Lg- 5 *	5	142	180	23	047109
986 Lg- 6	6	99	137	23	047116
986 Lg- 7	7	62	100	23	047123
986 Lg- 8	8	42	80	24.6	047130
986 Lg- 9	9	70	108	24.6	156481
986 Lg-10	10	103	141	24.6	047086

986 SLG Screwdriver socket

Made in Germany

- Extra long design
- With knurling
- Surface:
- DIN 7422

12⁵ 1/2



HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
986 S Lg-6	6	112	160	23	047147
986 S Lg-8	8	81	119	23	047154

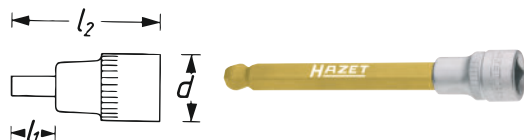
HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
2584-1	6	210	248	23	017058

986 KK Screwdriver socket

Made in Germany

- Especially for working in areas with restricted access (e.g. engine compartment)
- Long design
- With ball-head
- With knurling
- Surface:

12⁵ 1/2



HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
986 KK- 5	5	102	140	23	052103
986 KK- 6	6	102	140	23	050666
986 KK- 7	7	102	140	23	052110
986 KK- 8	8	102	140	23	052127
986 KK-10	10	102	140	23	052134
986 KK-12	12	102	140	24.6	052141

HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
2527-8	8	200	238	23	016310

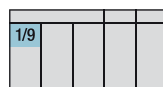
986 Screwdriver socket set

Made in Germany

- With TIN-coated blades

12⁵ 1/2

- Short design
- With knurling
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:
- DIN 7422



986 • 1/2 •
5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19

HAZET No.	L x W x H mm		EAN-No. 4000896+
986/9	185x153x52	9	051564

Made in Germany

- With TIN-coated blades

12⁵ 1/2

- Short design
- With knurling
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:
- DIN 7422



986 • 1/2 •
5 • 6 • 7 • 8 • 9 • 10 • 12 • 14 • 17

HAZET No.	L x W x H mm		EAN-No. 4000896+
986/9N	185x153x52	9	193530

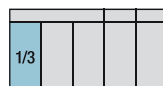
986 Screwdriver socket set

Made in Germany

- With TIN-coated blades

12⁵ 1/2

- With ball-head
- With knurling
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:
- DIN 7422



986 • 1/3 •
1 • 3 • 5 • 6 • 7 • 8 • 9 • 10 • 12 • 14 • 17 • 19





Hand tools

12⁵ 1/2 Range of sockets



986 Screwdriver socket set



986 • 12⁵ 1/2 • O
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • 12⁵ 1/2 • O
6 • 7 • 8 • 10

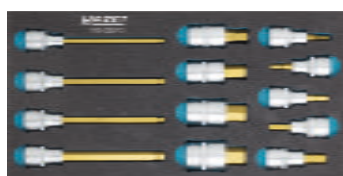
HAZET No.	L x W x H mm		EAN-No. 4000896+
986/13	355x235x65	13	168330

Made in Germany

- With ball-head
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:

12⁵ 1/2

1/3			
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986 • 12⁵ 1/2 • O
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • 12⁵ 1/2 • O
6 • 7 • 8 • 10

HAZET No.	W x D mm		EAN-No. 4000896+
163-220/13	342x172	13	168286

Made in Germany

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:

12⁵ 1/2



986 • 12⁵ 1/2 • O
5 • 6 • 7 • 8 • 10

1/9			
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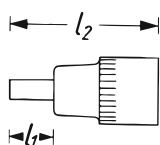


990 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface:

12⁵ 1/2



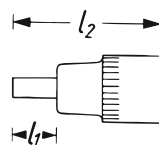
HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990- 5	5	14	52	23	047307
990- 6	6	14	52	23	047314
990- 8	8	15	53	23	047321
990-10	10	15	53	23	047253
990-12	12	17	55	23	047277
990-14	14	20	58	24.6	047284
990-16	16	22	60	24.6	047291
990-18	18	45	85	26	108916

990 LG Screwdriver socket

Made in Germany

- Long design
- With knurling
- Surface:

12⁵ 1/2



HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990 Lg- 6	6	62	100	23	056248
990 Lg- 8	8	62	100	23	047352
990 Lg- 9	9	62	100	23	103140
990 Lg-10	10	62	100	23	047338
990 Lg-12	12	62	100	23	047345
990 Lg-14	14	62	100	23	065240

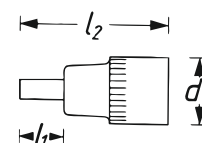
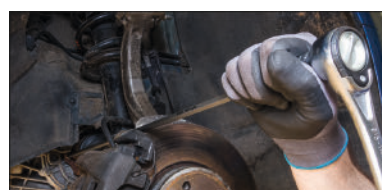
990 VLG Screwdriver socket

Made in Germany

- Putting together different tools is not necessary due to the length of the socket

12⁵ 1/2

- Extra long design
- With knurling



HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990 V Lg- 8	8	762	800	23	201815
990 V Lg-10	10	762	800	23	201822

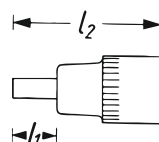
HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
2751	10	100	140	23	017508

990 SLG Screwdriver socket

Made in Germany

- Extra long design
- With knurling
- Surface:

12⁵ 1/2



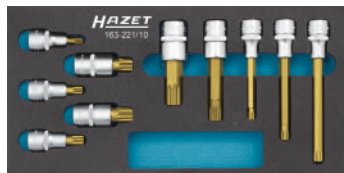
HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990 S Lg-10	10	82	120	23	047369
990 S Lg-12	12	102	140	23	047376



990 Screwdriver socket set

Made in Germany

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



990 • •
M 8 • M 10 • M 12
M 14 • M 16 • M 18

990 LG • •
M 8 • M 14

990 SLG • •
M 10 • M 12

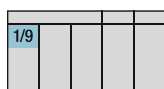
HAZET No.	W x D mm		EAN-No. 4000896+
163-221/10	342x172	10	168262

990 Screwdriver socket set (XZN)

Made in Germany

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:

990 • •
M 6 • M 8 • M 10 • M 12
M 14 • M 16 • M 18



HAZET No.	W x D mm		EAN-No. 4000896+
163-243/7	172x114	7	178032

990 Screwdriver socket set

Made in Germany

- With knurling
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



990 • •
M 8 • M 10 • M 12
M 14 • M 16 • M 18

990 LG • •
M 8 • M 14

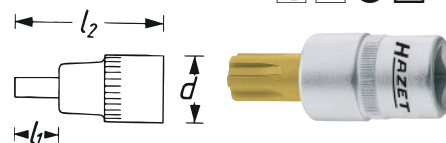
990 SLG • •
M 10 • M 12

HAZET No.	L x W x H mm		EAN-No. 4000896+
990/10	355x235x65	10	168347

991 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface:



HAZET No.	M	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
991- 6	6	25	63	23	047451
991- 7	7	25	63	23	132799
991- 8	8	25	63	23	047468
991- 9	9	25	63	23	132812
991-10	10	25	63	23	047406
991-12	12	25	63	23	047413
991-14	14	25	63	24.6	047420

991 Screwdriver socket set (RIBE-CV)

Made in Germany

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:

991 • •
M 6 • M 7 • M 8 • M 9
M 10 • M 12 • M 14



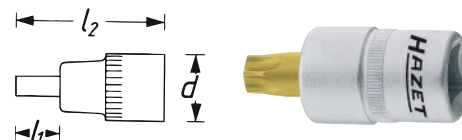
HAZET No.	W x D mm		EAN-No. 4000896+
163-250/7	172x114	7	178056

992 Screwdriver socket set TORX®

Made in Germany

- With TIN-coated blades

- Short design
- With knurling
- Surface:



HAZET No.	l_1 mm	l_2 mm	d mm		EAN-No. 4000896+
992-T 20	17	55	23	3.86	047475
992-T 25	17	55	23	4.43	047482
992-T 27	17	55	23	4.99	047499
992-T 30	17	55	23	5.52	047505
992-T 40	17	55	23	6.65	047512
992-T 45	17	55	23	7.82	047529
992-T 50	17	55	23	8.83	047543
992-T 55	18	56	24.6	11.22	047574
992-T 60	18	56	24.6	13.25	047598





Hand tools

12⁵ 1/2 Range of sockets



992 TORX® screwdriver socket set

Made in Germany

• With TIN-coated blades



- Short design
- With knurling
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



992 • •

T 20 • T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60

HAZET No.	L x W x H mm		EAN-No. 4000896+
992/9	185x153x52	9	051540

992 T TORX® screwdriver socket set

Made in Germany

- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



992 • •

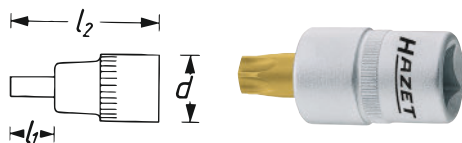
T 20 • T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60

HAZET No.	W x D mm		EAN-No. 4000896+
163-271/9	172x114	9	181056

992 H Screwdriver socket set TORX®

Made in Germany

- With front hole
- Short design
- With knurling
- Surface:



HAZET No.	l ₁ mm	l ₂ mm	d mm		EAN-No. 4000896+
992-T 30 H	17	55	23	5.52	050857
992-T 40 H	17	55	23	6.65	050864
992-T 45 H	17	55	23	7.82	050871
992-T 50 H	17	55	23	8.83	050888
992-T 55 H	18	56	23	11.22	050895

992 LG Screwdriver socket set TORX®

Made in Germany

- Long design
- With knurling
- Surface:



HAZET No.	l ₁ mm	l ₂ mm	d mm		EAN-No. 4000896+
992 Lg-T 50	62	100	23	8.83	103133
992 Lg-T 55	57	96	23.3	11.22	057337
992 Lg-T 60	45	83	23	13.25	100590
992 Lg-T 70	67	105	24.6	15.54	047611

992 SLG Screwdriver socket set TORX®

Made in Germany

- Extra long design
- Surface:

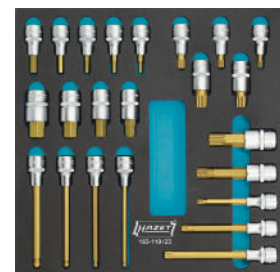
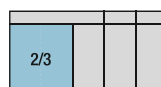


HAZET No.	l ₁ mm	l ₂ mm	d mm		EAN-No. 4000896+
992 S Lg-T 30	100	138	23	5.52	179183
992 S Lg-T 40	100	138	23	6.65	103539
992 S Lg-T 45	100	138	23	7.82	047635
992 S Lg-T 50	100	138	23	8.83	103454
992 S Lg-T 55	102	138	23	11.22	047642

163 Screwdriver socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



986 • •
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • •
6 • 7 • 8 • 10



990 LG • •
M 8 • M 14



990 • •
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 SLG • •
M 10 • M 12

HAZET No.	W x D mm		EAN-No. 4000896+
163-119/23	344x342	23	153510

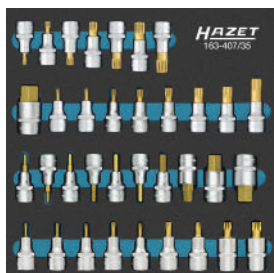


163 Screwdriver socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface:

2/3			
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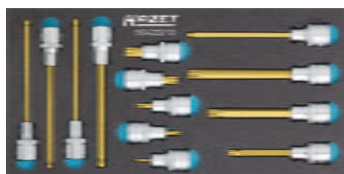
986 • 1/2 •	990 • 1/2 •	991 • 1/2 •	992 • 1/2 •
4 • 5 • 6 • 7	M 5 • M 6	M 6 • M 7	T 20 • T 25 • T 27
8 • 9 • 10 • 12	M 8 • M 10	M 8 • M 9	T 30 • T 40 • T 45
17 • 19 • 22	M 12 • M 14	M 10 • M 12	T 50 • T 55 • T 60
	M 16 • M 18	M 14	

HAZET No.	W x D mm		EAN-No. 4000896+
163-407/35	344x342	35	199990

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface:

1/3			
-----	--	--	--



986 KK • 1/2 •	990 LG • 1/2 •
5 • 6 • 7 • 8 • 10	M 8
990 • 1/2 •	990 SLG • 1/2 •
M 5 • M 6 • M 8	M 10 • M 12

HAZET No.	W x D mm		EAN-No. 4000896+
163-222/13	342x172	13	168279

958 Adapter

Made in Germany

- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
• Drive 20 = 3/4" – drive 12.5 = 1/2"		
958-1	50	046676
• drive 10 = 3/8" – drive 12.5 = 1/2"		
958-2	36	046683

958 N Adapter set

Made in Germany

- 1 adapter each
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

1/4" 3/8" 1/2" 3/4" 1/4" 3/8" 1/2" 3/4"



1/9			
-----	--	--	--



858-1 • 1/4" • 3/8"	8858-2 • 3/8" • 1/4"	958-2 • 1/2" • 3/8"
8858-1 • 3/8" • 1/2"	958-1 • 1/2" • 3/4"	1058-2 • 3/4" • 1/2"

HAZET No.	L x W x H mm		EAN-No. 4000896+
958 N/6	185x153x52	6	168316

163 Adapter set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

1/4" 3/8" 1/2" 3/4" 1/4" 3/8" 1/2" 3/4"

1/9			
-----	--	--	--



858-1 • 1/4" • 3/8"	8858-2 • 3/8" • 1/4"	958-2 • 1/2" • 3/8"
8858-1 • 3/8" • 1/2"	958-1 • 1/2" • 3/4"	1058-2 • 3/4" • 1/2"

HAZET No.	W x D mm		EAN-No. 4000896+
163-217/6	172x114	6	168231

2250 Adapter

Made in Germany

- For manual operation
- With inside square and inside hexagon insert
- With clamping ball for bits
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• 6.3 = 1/4" – 12.5 = 1/2"		
2250-4	35	015504
• 8 = 5/16" – 12.5 = 1/2"		
2250-5	36	015511



Hand tools

12.5° 1/2" Range of sockets



920 Universal joint

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

12.5° 1/2" 12.5° 1/2"



HAZET No.	l mm	EAN-No. 4000896+
920	70	046515

917 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316

12.5° 1/2" 12.5° 1/2"



917-1: Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
917-1	45	046362
917-3	76	046379
917-5	123	046386

918 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316

12.5° 1/2" 12.5° 1/2"



918-23 Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
918-10	248	046416
918-23	575	046423

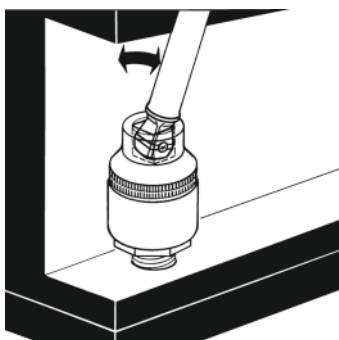
919 Extension, can be pivoted

Made in Germany

- With ball-shaped, conical outside square allows 12.5° angular movement to every side

12.5° 1/2" 12.5° 1/2"

- By attaching the socket until its end stop is reached, the wobble extension may also be used as a rigid extension
- With locking ball
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
919- 1	46	046447
919- 5	123	046461
919-10	248	046454

958 Adapter extension

Made in Germany

- For operating deeply located screws, e.g. on gearboxes
- With locking ball
- Surface: chrome-plated

10 3/8" 12.5° 1/2"



HAZET No.	l mm	EAN-No. 4000896+
958-28	700	046706

900 S Impact socket set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

E R 12.5° 1/2"



900 S • 12.5° 1/2" • 13 • 14 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27



900 SLG • 12.5° 1/2" • 13 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27



9006 S • 12.5° 1/2" • 12.5° 1/2"



900 S-HF 1530
900 S-HF 814



9005 S-5 • 12.5° 1/2" • 12.5° 1/2"

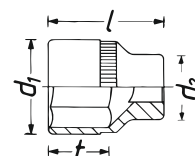
HAZET No.	L x W x H mm	mm	EAN-No. 4000896+
900 S	435x215x62	23	057153

900 S Impact socket (6-point)

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2

E R 12.5° 1/2"



* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 S-13	38	20.8	25	10	044146
900 S-14	38	22.1	25	10	044177
900 S-15	38	23.5	30	11	044191
900 S-16	38	24.8	30	11	044214
900 S-17	38	26.2	30	12	044238
900 S-18	38	27.5	30	12	044283
900 S-19	40	28.8	30	15	044306
900 S-21	40	31.3	30	15	044368
900 S-22	40	32.5	30	15	044382
900 S-24	44	35	30	17.5	044429
900 S-25 *	44	36.3	30	18.5	044450
900 S-27	45	38.8	30	19.5	044498
900 S-30	50	42	30	23.3	073207
900 S-32 *	50	44	30	23	073184



900 SK Impact socket set

Made in Germany

- Extra short design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

12⁵ 1/2



900 SK
13 • 17 • 19 • 21

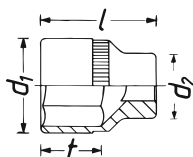
HAZET No.	l mm		EAN-No. 4000896+
900 SK/4	29	4	201785

900 SLG Impact socket (6-point)

Made in Germany

- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

12⁵ 1/2



+ = Reinforced design, with deep hexagon profile for wheel nuts/bolts

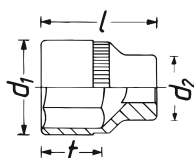
HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
900 S Lg-13	85	20.8	25	13	044764
900 S Lg-15	85	23.5	30	18	104277
900 S Lg-16	85	24.8	30	16	044788
900 S Lg-17	85	26.2	30	18.5	044801
900 S Lg-18	85	27.5	30	19	044825
900 S Lg-19	85	28.8	30	19.5	044849
900 S Lg-21 +	85	31.3	30	17.5	044863
900 S Lg-22	85	32.5	30	22	044887
900 S Lg-24	85	35	30	19.5	044917
900 S Lg-27	85	38.8	30	29	044931

901 SLG Impact socket (6-point)

Made in Germany

- Especially for wheel mounting or dismounting
- Extra slim style
- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

12⁵ 1/2



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
901 S Lg-15	85	23.5	30	16.5	118298
901 S Lg-17	85	25.7	30	18.5	045723
901 S Lg-19	85	28.2	30	19	045747
901 S Lg-21	85	29.5	30	19.5	118304

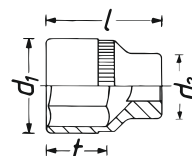
902 SLG Impact socket (6-point)

Made in Germany

- With plastic insert to protect the surface of the wheel bolts

12⁵ 1/2

- Extra slim style
- Long design
- With borehole for locking pin or safety spring and groove for O-ring



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
902 S Lg-17	85	25.7	30	18	045778
902 S Lg-19	85	28.2	30	19	045792

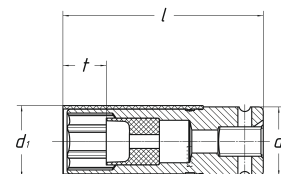
903 SLG Impact socket (6-point)

Made in Germany

- With plastic insert to protect the surface of the wheel bolts
- Additionally with rotating outside plastic sleeve (replaceable) to protect the rims when screwing the wheel bolts

12⁵ 1/2

- Colour-coded plastic sleeve facilitates finding the correct size
- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



903 S Lg-22 without plastic insert

HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
• Material-friendly wheel mounting or dismounting (alloy rims) ≤ 15 mm especially for Smart For Two >7li> • Plastic sleeve grey					
903 S Lg-15	85	26	30	14	072231
• Optimised contours for deeper rim holes in e.g. AUDI S-Line, AMG, OZ etc. • Plastic sleeve blue					
903 S Lg-17	85	30	30	14	045822
• Plastic sleeve yellow					
903 S Lg-19	85	30	30	18	045839
• Material-friendly wheel mounting or dismounting (alloy rims) ≤ 21 mm especially for TOYOTA, MAZDA and KIA and SMART For-Four • Optimised plastic insert, internal, for holding the cap nuts and for use of the entire profile length • Plastic sleeve red					
903 S Lg-21	85	30	31	17	055135
• Material-friendly wheel mounting or dismounting (alloy rims) ≤ 21 mm for VAUXHALL Insignia • Plastic sleeve green					
903 S Lg-22	85	30.5	30	22	155453



Hand tools

12⁵ 1/2 Range of sockets



903 SPC Impact socket (6-point)

Made in Germany

- With plastic insert to protect the surface of the wheel bolts
- Outside plastic sleeve (replaceable) to protect the rims when screwing the wheel bolts

- Colour-coded plastic sleeve facilitates finding the correct size
- Long design
- With borehole for locking pin or safety spring and groove for O-ring



903 SLG • 1/2 • 17 • 19 • 21



HAZET No.		EAN-No. 4000896+
903 SPC/3	3	128754

903 SLG Impact socket set

Made in Germany

- 3 sockets each in a practical storage box



HAZET No.	l mm		EAN-No. 4000896+
903 S Lg-17 (3x)			
903 S Lg-17/3	85	3	191697
903 S Lg-19 (3x)			
903 S Lg-19/3	85	3	191734

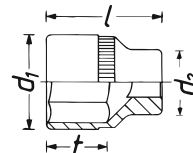


904 SLG Impact socket (6-point), extra long

Made in Germany

- With plastic insert to protect the surface of the wheel bolts

- Additionally with rotating outside plastic sleeve (replaceable) to protect the rims when screwing the wheel bolts
- Extra long design
- With borehole for locking pin or safety spring and groove for O-ring



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
Especially for wheel mounting and dismounting on AMG-rims and/or alloy rims with deeply located wheel bolts					
904 S Lg-17	130	28.3	30	18.3	100576
Particularly suitable for wheel mounting and assembly on SUVs e.g. PORSCHE Cayenne, Macan, AUDI Q7, Q5, VW Touareg					
904 S Lg-19	130	30.8	30	18	203710

905 SLG Impact socket (special profile)

Made in Germany

- Optimised outside contour

- Especially for wheel mounting and dismounting of light-alloy rims for hybrid wheel bolts in all new MERCEDES-BENZ vehicles
- With plastic insert to protect the surfaces of the wheel bolts
- With rotating outside plastic sleeve to protect the rims when screwing the wheel bolts – no aluminium corrosion through prevention of scratches
- Long design
- With borehole for locking pin or safety spring and groove for O-ring

Hybrid wheel bolts on e.g. MERCEDES-BENZ C-Class type 204, 204X E-Class type 211, 212, 207 SLK type 172 M-Class type 164, 166 S-Class type 221, 222 CL-Class type 216



HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
905 S Lg-17	86	28.4	30	18	198795



905 SLG Impact socket (special profile)

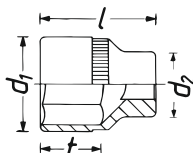
Made in Germany

12⁵ 1/2

- Plastic insert to protect the surface of the wheel bolts
- Rotating outside plastic sleeve to protect the rims when screwing the wheel bolts – no aluminium corrosion through prevention of scratches

- Long design
- With borehole for locking pin or safety spring and groove for O-ring

Wheel nuts with special profile ≤ 21 mm
on **HYUNDAI i30**, Tucson and **KIA**



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
905 S Lg-21	86.8	31	30	19.8	201624

900 SLG Plastic sleeve

Made in Germany

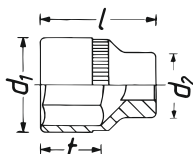
HAZET No.	EAN-No. 4000896+
• White, for 903 S Lg-15	
903 S Lg-015	081462
• Blue, for 903 S Lg-17	
903 S Lg-017	045808
• Yellow, for 903 S Lg-19	
903 S Lg-019	045815
• Red, for 903 S Lg-21	
903 S Lg-021	055692
• Green, for 903 S Lg-22	
903 S Lg-022	155255
• White, for 904 S Lg-17	
904 S Lg-017	203352
• Yellow, for 904 S Lg-19	
904 S Lg-019	205523
• White, for 905 S Lg-17	
905 S Lg-017	203833
• White, for 905 S Lg-21	
905 S Lg-021	203345

900 SZ Impact socket (12-point)

Made in Germany

12⁵ 1/2

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 S Z-12	38	19.5	25	6.8	061785
900 S Z-13	38	20.8	25	6.8	061792
900 S Z-14	38	22.1	25	9.3	061808
900 S Z-15	38	23.5	30	9.3	061815
900 S Z-16	38	24.8	30	9.2	061822

900 SZ Impact socket (12-point)

12⁵ 1/2

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 S Z-17	38	26.2	30	9.2	061839
900 S Z-18	38	27.5	30	10.7	061846
900 S Z-19	40	28.8	30	11.6	061853
900 S Z-21	40	30	31.3	11.7	075362
900 S Z-22	40	30	32.5	11.7	075379
900 S Z-24	44	35	30	17.5	115556
900 S Z-27	45	38.8	30	17.9	115822
900 S Z-30	50	42	30	23.3	086573
900 S Z-32	50	44.5	30	22.2	115921
900 S Z-34	55	47.5	30	22.2	116034
900 S Z-36	60	50	30	25	100132

900 SZ Impact socket set

Made in Germany

12⁵ 1/2

- Application: For operation of drive and cardan shaft screw connections, e.g. ≤ 24 mm for **VW** Touran since 2006 and Passat C ≤ 30 mm for axle shaft nut on **VW** Golf 4, Polo and New-Beetle, **AUDI** TT 1.8, **ŠKODA** Octavia, Superb, Fabia ≤ 32 mm for operation of the cardan shaft screw connection in the wheel hub on **VW** Touareg since 2003 ≤ 36 mm for axle shaft nut on **BMW** 3 series, 5 series, 7 series, Z3, M3, **VW** Polo since 2001, Golf Plus 1.8 TDI since 2005, **SEAT** Ibiza since 2002
- Surface: phosphatised, oiled



900 SZ • 12⁵ 1/2 • 12⁵ 1/2
24 • 30 • 32 • 36

HAZET No.	EAN-No. 4000896+
900 SZ/4	156375

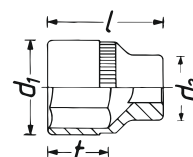
HAZET No.	s mm	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
3047-36	36	60	47	30	25	190683

900 S Impact socket (TORX®)

Made in Germany

12⁵ 1/2

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
900 S-E 10	38	14	25	9.42	044542
900 S-E 12	38	15.9	25	11.17	044566
900 S-E 14	38	17.7	25	12.90	044580
900 S-E 16	38	20	25	14.76	044603
900 S-E 18	38	22	30	16.70	044627
900 S-E 20	38	24.5	30	18.49	044641
900 S-E 24	41.2	30	30	22.16	044665



Hand tools

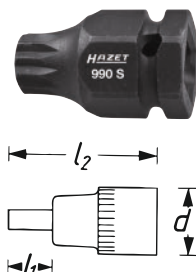
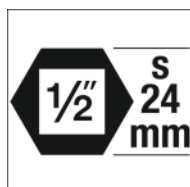
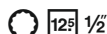
12.5 1/2 Range of sockets



990 S Impact screwdriver socket

Made in Germany

- Choice of □ drive 12.5 = 1/2" or ● 24mm
- Short design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

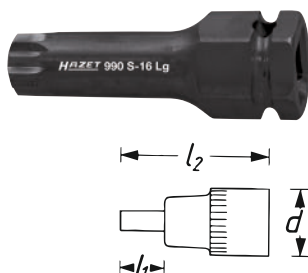
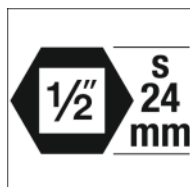
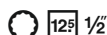


HAZET No.	M	l ₁ mm	l ₂ mm	EAN-No. 4000896+
VW Passat 3C rear brake carrier screw connection and front shock absorber screw connection, VW T4 lower supporting joint. Also suitable for holding up the shock absorber in VW Golf 5, 6, Polo 9N, 9N2, AUDI A3 type 8P, TT and SEAT Leon				
990 S-14	14	4	43	160846
Brake system, camshaft drive wheel and rear brake callipers e.g. VW Touareg and Phaeton				
990 S-16	16	5	43	160853
Installation and removal of the wheel bearing/hub unit e.g. VW Touran, model year 2004 →, AUDI A3, model year 2004 →, Golf 5 as well as identical ŠKODA				
990 S-18	18	6	43	160860

990 S Impact screwdriver socket

Made in Germany

- Choice of □ drive 12.5 = 1/2" or ● 24mm
- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

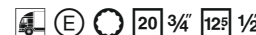


HAZET No.	M	l ₁ mm	l ₂ mm	EAN-No. 4000896+
Rear brake carrier screw connection and front shock absorber connection VW Passat 3C Flywheel MB 541-542-904 For holding up the shock absorber in VW Golf 5, 6, Polo 9N, 9N2, AUDI A3 type 8P, TT, SEAT Leon				
990 S-14 Lg	14	39.7	75	161003
Brake system, camshaft drive wheel and rear brake callipers e.g. VW T5, model year 2004 → 2.5 TDI engine code: AXD, BNZ, Touareg, model year 2003 → engine code: BAC, BPE and Phaeton, Atego flywheel.				
990 S-16 Lg	16	40.6	75	161010
Chassis and for installation and removal of the wheel bearing/hub unit e.g. VW Touran, model year 2004 →, AUDI A3, model year 2004, Golf 5 and identical ŠKODA				
990 S-18 Lg	18	41.1	75	161027

990 S Impact screwdriver socket set

Made in Germany

- 20 = 3/4 drive allows transmission of high separation forces



- Choice of □ drive 12.5 = 1/2" or ● 24mm
- With borehole for locking pin or safety spring and groove for O-ring
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: phosphatised, oiled
- Installation and removal of the wheel bearing/hub unit
- For e.g. AUDI A3, model year 2004 →, VW Touran, model year 2004 →, Golf 5, model year 2003 →, ŠKODA Octavia, model year 2008 →, SEAT Leon, model year 2005 →
- 990 S-14: VW Passat 3C rear brake carrier screw connection and front shock absorber screw connection, VW T4 lower supporting joint. Also suitable for holding up the shock absorber in VW Golf 5, 6, Polo 9N, 9N2, AUDI A3 type 8P, TT and SEAT Leon
- 990 S-16: brake system, camshaft drive wheel and rear brake callipers e.g. VW Touareg and Phaeton
- 990 S-18 Installation and removal of the wheel bearing/hub unit e.g. VW Touran, model year 2004 →, AUDI A3, model year 2004 →, Golf 5 as well as identical ŠKODA
- 990 S Lg-14: Rear brake carrier screw connection and front shock absorber connection VW Passat 3C Flywheel MB 541-542-904
- For holding up the shock absorber in VW Golf 5, 6, Polo 9N, 9N2, AUDI A3 Typ 8P, TT, SEAT Leon
- 990 S-16: brake system, camshaft drive wheel and rear brake callipers e.g. VW T5, model year 2004 → 2.5 TDI engine code: AXD, BNZ, Touareg, model year 2003 → engine code: BAC, BPE and Phaeton, Atego flywheel.
- 990 S Lg-18: Chassis and for installation and removal of the wheel bearing/hub unit e.g. VW Touran, model year 2004 →, AUDI A3, model year 2004, Golf 5 and identical ŠKODA



990 S • □ 1/2" • ○	990 S • □ 1/2" • ○	G H	1003 S-1
M 14 • M 16	M 14 • M 16	20 3/4	1000 S-G 1736
M 18	M 18	1000 S-H 1736	

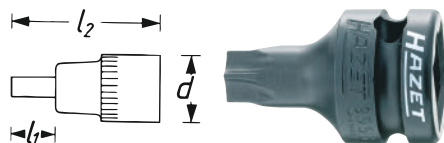
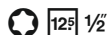
HAZET No.		EAN-No. 4000896+
990 S/11	11	162406



995 S Impact screwdriver socket set (TORX®)

Made in Germany

- Short design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l ₁ mm	l ₂ mm	d mm	mm	EAN-No. 4000896+
995 S-T 30	21.4	40	25.1	5.52	047666
995 S-T 40	21.1	40	25.1	6.65	047680
995 S-T 45	21.1	40	25.1	7.82	057597
995 S-T 50	22.4	40	25.1	8.83	047703
995 S-T 55	22.4	40	25.1	11.22	047727
995 S-T 60	22.1	40	25.1	13.25	047741

9007 S Impact adapter

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

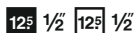


HAZET No.	l mm	EAN-No. 4000896+
• ■ drive 10 = 3/8" – □ drive 12.5 = 1/2"		
9007 S	37	072545
• ■ Drive 20 = 3/4" – □ drive 12.5 = 1/2"		
9007 S-1	49	043217

9006 S Impact universal joint

Made in Germany

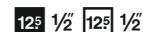
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
• Angular movement 25°		
9006 S	69	043170

9005 S Impact extension

Made in Germany



- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	EAN-No. 4000896+
9005 S-5	130	043163

900 S O-ring and connecting pin

Made in Germany



HAZET No.	mm	EAN-No. 4000896+
• For sockets □ 12.5 = 1/2"		
8–14 mm, 13 mm long style, E 10–E 16, T 30–T 60		
900 S-G 1014	Ø 19x4	044689
• For sockets □ drive 12.5 = 1/2"		
15–27 mm, 16–27 mm long style, E 18–E 24, extensions, universal joints, adapters		
900 S-G 1527	Ø 24x4	044696
• For sockets □ drive 12.5 = 1/2"		
8–14 mm, 13 mm long style, E 10–E 16, T 30–T 60		
900 S-H 1014	Ø 3x20	044702
• For sockets □ drive 12.5 = 1/2"		
15–27 mm, 16–27 mm long style, E 18–E 24, extensions, universal joints, adapters		
900 S-H 1527	Ø 3x26	044719

900 S Safety spring

Made in Germany

- For impact sockets according to DIN 3129



HAZET No.	mm	EAN-No. 4000896+
• For sockets □ 12.5 = 1/2"		
8–14 mm, E 10–E 16		
900 S-HF 814	Ø 21	044733
• For sockets □ drive 12.5 = 1/2"		
15–27 mm, E 18–24, extensions, universal joints, adapters		
900 S-HF 1530	Ø 25	044726



Hand tools

20 3/4" Range of sockets



20 3/4" Range of sockets

1000 Socket set

Made in Germany

- Sheet metal box (HAZET-blue)
- Soft foam insert



1000 • 20 3/4" • ●
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50

1014



1015-1 • 20 3/4"



1016 • 20 3/4"



1017-8 • 20 3/4" • 20 3/4"



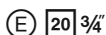
1018 • 20 3/4" • 20 3/4"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1000	578x235x88	15	000616

1002 Socket set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



1000 • 20 3/4" • ●
22 • 24 • 27 • 30
32 • 36 • 38 • 41
46 • 50 • 55 • 60

1014



1015-1 • 20 3/4"



1016 • 20 3/4"



1017-8 • 20 3/4" • 20 3/4"



1018 • 20 3/4" • 20 3/4"



1021 • 20 3/4" • 20 3/4"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1002	578x235x88	18	001736

1000 Z Socket set

Made in Germany

- With 12-point sockets
- Sheet metal box (HAZET-blue)
- Soft foam insert



1000 Z Socket set



1000 Z • 20 3/4" • ●
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50

1014



1015-1 • 20 3/4"



1016 • 20 3/4"



1017-8 • 20 3/4" • 20 3/4"



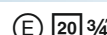
1018 • 20 3/4" • 20 3/4"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1000 Z	578x235x88	15	001477

1002 Z Socket set

Made in Germany

- With 12-point sockets
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



1000 Z • 20 3/4" • ●
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50



1000 • 20 3/4" • ●
55 • 60

1014



1015-1 • 20 3/4"



1016 • 20 3/4"



1017-8 • 20 3/4" • 20 3/4"



1018 • 20 3/4" • 20 3/4"



1021 • 20 3/4" • 20 3/4"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1002 Z	578x235x88	18	001743

1000 AZ Socket set

Made in Germany

- With 12-point sockets
- American dimensions
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



1000 AZ • 20 3/4" • ●
7/8 • 1 1/16 • 1 • 1 1/16
1 1/8 • 1 3/16 • 1 1/4 • 1 5/16
1 3/8 • 1 7/16 • 1 1/2 • 1 5/8
1 3/4 • 1 13/16 • 1 7/8 • 2

1014



1015-1 • 20 3/4"



1016 • 20 3/4"



1017-8 • 20 3/4" • 20 3/4"



1018 • 20 3/4" • 20 3/4"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1000 AZ	578x235x88	21	000982



1016 Reversible ratchet head

Made in Germany

- Number of teeth: 32 (Opening angle 11.25°)
- Shank with locking pin, drive with locking pin
- Surface: chrome-plated
- DIN 3122, ISO 3315

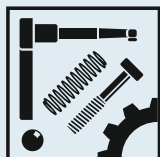
20 3/4"



HAZET No.	l mm	EAN-No. 4000896+
1016	165	001941

Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.



Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

Replacement set for shift lever consisting of:
shift lever, screws, ball, compression spring
for 1016, 1016/2,
6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT,
6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT,
6145-1 CT, 6145-01 CT, 6146-1 CT

1016/6 – 001972

Replacement set for ratchet wheel 20 = 3/4" ■
consisting of:
ratchet wheel, pawl, shift lever, screws, ball,
compression spring
for 1016, 1016/2,
6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT,
6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT,
6145-1 CT, 6145-01 CT, 6146-1 CT

1016/8 N – 001989

1014 Handle bar

Made in Germany

- For sliding head HAZET 1015-1 or ratchet head HAZET 1016
- With ball and pin locking device
- Surface: chrome-plated
- DIN 3122



HAZET No.	l mm	EAN-No. 4000896+
1014	500	001897

1016 Reversible ratchet head with handle bar

Made in Germany

- Shank with locking pin, drive with locking pin
- Surface: chrome-plated, polished



HAZET No.	l mm	2	EAN-No. 4000896+
1016/2	620	2	001965

1015 Handle bar with sliding head

Made in Germany

- Handle bar HAZET 1014 and sliding head 1015-1
- With locking pin
- Surface: chrome-plated, polished
- DIN 3122

20 3/4"



HAZET No.	l mm	2	EAN-No. 4000896+
1015/2	500	2	001927

1015 Sliding head

Made in Germany

- For handle bar HAZET 1014 or 1014 P
- With locking pin
- Surface: chrome-plated, polished
- DIN 3122

20 3/4"



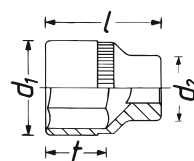
HAZET No.	l mm	EAN-No. 4000896+
1015-1	60	001910

1000 Socket (6-point)

Made in Germany

- Short design
- With knurling
- With locking pin
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

20 3/4"



* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1000-19 *	52	28	33.2	14.5	000623
1000-21	52	31	33.2	14	000647
1000-22	52	32	33.2	14	000654
1000-24	52	34	36	16.5	000661
1000-27	54	38	35	19.3	000678
1000-30	55	42	36	21.5	000692
1000-32	58	44.5	36	24	000708
1000-33	59	46	36	24.5	000715
1000-34	60	47.5	36	25.5	000722
1000-36	61.5	49.5	38	26.5	000746
1000-38 *	65	52.5	39	29	000760
1000-41	68.5	55.5	39	32	000784
1000-42 *	70	57.5	41	32	000791
1000-46	73	62	44	34	000807
1000-50	76	67	45	37.1	000814
1000-55 *	82	73.5	45	40.8	000821
1000-60 *	88	80	45	44.9	000838



Hand tools

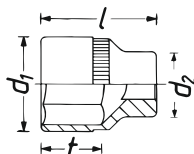
20 3/4" Range of sockets



1000 Z 12-point socket

Made in Germany

- Short design
- With knurling
- With locking pin
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



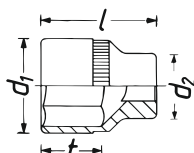
* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
1000 Z-22	52	32	33.2	13.5	001507
1000 Z-24	52	34	36	16	001521
1000 Z-27	54	38	35	18.8	001552
1000 Z-30	55	42	36	21	001583
1000 Z-32	58	44.5	36	23.4	001590
1000 Z-34	60	47.5	36	24.8	001613
1000 Z-35 *	61.5	48.5	35.5	25.8	001620
1000 Z-36	61.5	49.5	36	25.7	001637
1000 Z-38 *	65	52.5	38	28.3	001644
1000 Z-41	68.5	55.5	39	31.2	001651
1000 Z-46	73	62	44	34	001675
1000 Z-50	76	67	45	37.1	001699
1000 Z-55	82	73.5	45	40.8	001712

1000 AZ 12-point socket

Made in Germany

- Short design
- American dimensions
- With knurling
- With locking pin
- Surface: chrome-plated, polished



HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
1000 AZ-7/8	52	32	33.2	13.5	001170
1000 AZ-15/16	52	34	36	16.9	001132
1000 AZ-1	52	36.5	33.2	16.9	000999
1000 AZ-1 1/16	54	38	35	18.8	001002
1000 AZ-1 1/8	55	40	36	20.8	001033
1000 AZ-1 3/16	55	42	36	21	001064
1000 AZ-1 1/4	58	44.5	36	23.4	001026
1000 AZ-1 5/16	59	46	36	23.9	001095
1000 AZ-1 3/8	61.5	48.5	36	25.8	001088
1000 AZ-1 7/16	63	50	36	27.2	001118
1000 AZ-1 1/2	65	52.5	38	28.6	001019

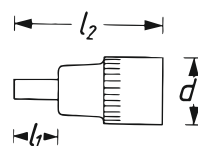
1000 AZ 12-point socket

HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
1000 AZ-1 5/8	68.5	55.5	39	31.2	001101
1000 AZ-1 3/4	72	60	41	33.6	001071
1000 AZ-1 13/16	73	62	44	34	001057
1000 AZ-1 7/8	73	64	45	35	001125
1000 AZ-2	78	68	45	38.7	001149

1010 Screwdriver socket

Made in Germany

- Short design
- With knurling
- With locking pin
- Surface: chrome-plated, tips burnished
- DIN 7422



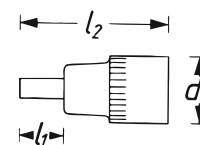
HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
1010-14	14	16.7	54.5	36	001842
1010-17	17	19.7	54.5	36	001859
1010-19	19	21.7	56.5	36	001866
1010-22	22	24.7	56.5	36	001873

2784 Brake calliper screwdriver socket

Made in Germany

- For the operation of the brake calliper fitting (Knorr-Brakes) on MERCEDES-BENZ commercial vehicles e.g. Actros

- Enables controlled screwing with the torque value required by the manufacturer (Follow manufacturer's instructions) e.g. with torque wrench HAZET 6144-1CT
- Drive allows transmission of high separation forces
- With knurling
- With locking pin



HAZET No.	S mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2784-14	14	60	110	155583





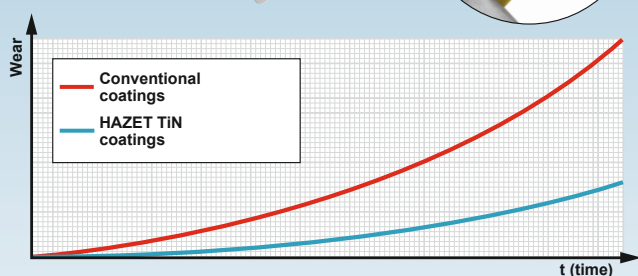
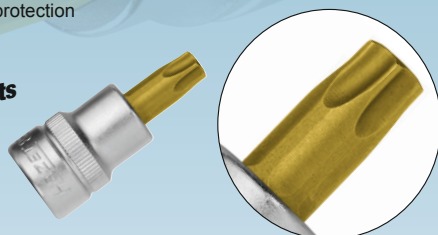
TiN coating

TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

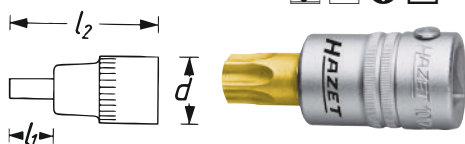
TiN-coated screwdriver sockets



1012 Screwdriver socket TORX®

Made in Germany

- Short design
- With knurling
- With locking pin
- Surface: **TiN**



HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
1012-T 60	28	80	13.25	087488
1012-T 70	28	80	15.54	087495
1012-T 80	28	80	17.59	087501
1012-T 90	28	80	19.95	087518
1012-T 100	28	80	22.15	087525

1058 Adapter

Made in Germany

- With locking pin
- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
• $\blacksquare$ drive 25 = 1" – $\square$ drive 20 = 3/4"		
• With locking pin		
1058-1	60.6	002061
• $\blacksquare$ drive 12.5 = 1/2" – $\square$ drive 20 = 3/4"		
• With locking ball		
• Replaceable square 1058-02		
1058-2	52.3	002078
• Insert square for 1058-2		
1058-02	–	111763

1021 Universal joint

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
1021	105	002054

1017 Extension

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished



1017-8 = DIN 3123, ISO 3316

HAZET No.	l mm	EAN-No. 4000896+
1017-3	75	001996
1017-8	200	002016

1018 Extension

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- DIN 3123, ISO 3316

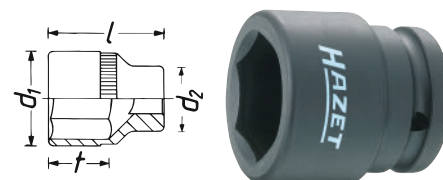


HAZET No.	l mm	EAN-No. 4000896+
1018	400	002030

1000 S Impact socket (6-point)

Made in Germany

- For extremely high load
- Short design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2



* = Not according to DIN

HAZET No.	l mm	d_1 mm	d_2 mm	f mm	EAN-No. 4000896+
1000 S-19 *	48	32	44	13	001231
1000 S-22	50	36.5	44	16	001248
1000 S-24	50	39.5	44	17	001255
1000 S-27	51	43.5	44	19	001262
1000 S-28 *	54	45	44	19	001279
1000 S-30	54	47.4	44	21	001293
1000 S-32	54	49.9	44	21	001309
1000 S-33 *	54	51.5	44	21	001316
1000 S-34	54	52.4	44	22	001323
1000 S-36	57	54.9	44	23	001330



Hand tools

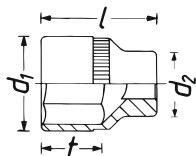
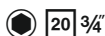
20 3/4" Range of sockets



1000 SLG Impact socket (6-point)

Made in Germany

- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2

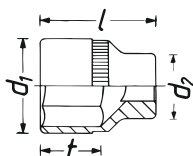


HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1000 S Lg-24	100	39.5	44	17	001392
1000 S Lg-27	100	43.5	44	19	001408
1000 S Lg-30	100	47.5	44	21	001422
1000 S Lg-32	100	50	44	21	001439
1000 S Lg-33	100	51.5	44	21	001446
1000 S Lg-36	100	55	44	23	001460

1004 S Impact socket (6-point)

Made in Germany

- E.g. for deeply located wheel nuts and bolts on commercial vehicles
- Extra long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2

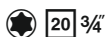


HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1004 S-32	400	48	44	32	055784

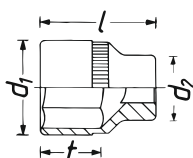
2850 Impact socket TORX®

Made in Germany

- For the operation of cylinder head bolts



- Reinforced design
- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	d ₁ mm	EAN-No. 4000896+
2850-E 20	110	18.49	079681
2850-E 24	110	22.16	146758

1003 Impact adapter

Made in Germany

- For operating impact screwdriver sockets 990 S



- □ Drive 20 = 3/4" – □ 24 mm
- Surface: phosphatised, oiled



HAZET No.	EAN-No. 4000896+
1003 S-1	161034

1007 S Impact adapter

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

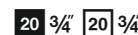


HAZET No.	l mm	EAN-No. 4000896+
1007 S-1	56	001804
1007 S-2	65	001828

1006 S Impact joint

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: burnished, oiled

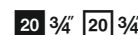


HAZET No.	l mm	EAN-No. 4000896+
1006 S	99	001781

1005 S Impact extension

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	EAN-No. 4000896+
1005 S- 7	175	001774
1005 S-13	330	001767

1000 S O-ring and connecting pin

Made in Germany

- For all □ 20 = 3/4" connections



HAZET No.	mm	EAN-No. 4000896+
1000 S-G 1736	∅ 36x5	001354
1000 S-H 1736	∅ 4x36	001361



25 1" Range of sockets

1100 Z Socket set

Made in Germany

- With 12-point sockets
- Sheet metal box (HAZET-blue)



1100 Z • 25 1" • 32 • 36 • 41 • 46 • 50 • 55 • 60 • 65 • 70 • 75 • 80

1114



1115-1 • 25 1"



1116 • 25 1"



1117 • 25 1" • 1117-8 • 1117-16



1121 • 25 1" • 25 1"

HAZET No.	L x W x H mm		EAN-No. 4000896+
1100 Z	759x305x115	17	002504

1116 Reversible ratchet head

Made in Germany

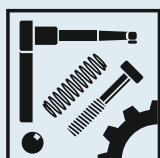
- Number of teeth: 32 (Opening angle 11.25°)
- Shank with locking pin, drive with locking pin
- Surface: chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
1116	195	003198

Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.



Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

Replacement set for shift lever consisting of:
shift lever, screws, ball, compression spring
for 1116, 6150-1 CT, 6160-1 CT, 6170-1 CT

1116/6 – 003228

Replacement set for ratchet wheel 25 = 1" ■ consisting of:
shift lever, screws, ball, compression spring, pawl, ratchet wheel
for 1116, 6160-1 CT, 6170-1 CT

1116/8 N – 003235

1114 Handle bar

Made in Germany

- For sliding head HAZET 1115-1 or ratchet head HAZET 1116
- With ball and pin locking device
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1114	700	003150

1116 Reversible ratchet with handle bar

Made in Germany

- Surface: chrome-plated,



polished

HAZET No.	l mm		EAN-No. 4000896+
1116/2	824	2	003211

1115 Handle bar with sliding head

Made in Germany

- With locking pin
- Surface: chrome-plated, polished

25 1"



HAZET No.	l mm		EAN-No. 4000896+
1115/2	700	2	003181

1115 Sliding head

Made in Germany

- For handle bar HAZET 1114
- With locking pin
- Surface: chrome-plated, polished

25 1"



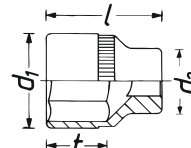
HAZET No.	l mm	EAN-No. 4000896+
1115-1	80	003167

1100 Z 12-point socket

Made in Germany

- Short design
- With knurling
- With locking pin
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

25 1"





Hand tools

25 1" Range of sockets



1100 Z 12-point socket

* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1100 Z-32 *	60	48	46	22	002511
1100 Z-36 *	67	52	48	28.5	002528
1100 Z-41	68	57	48	29.5	002535
1100 Z-46	72	62	48	32	002542
1100 Z-50	74	68	48	35	002559
1100 Z-55	78	74	48	36.5	002566
1100 Z-60	83	80	48	40.5	002573
1100 Z-65	86	88	60	43.5	002580
1100 Z-70	89	96	60	46.5	002603
1100 Z-75	92	102	60	49.5	002610
1100 Z-80	94	108.5	60	52.5	002627

1158 Adapter

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
1158-2	70	003297

1121 Universal joint

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1121	144	003273

1117 Extension

Made in Germany

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
1117- 8	200	003259
1117-16	400	003242

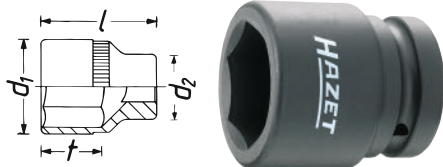




1100 S Impact socket (6-point)

Made in Germany

- For extremely high load
- Short design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2



* = Not according to DIN

HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1100 S-24	58	41.5	54	17	002207
1100 S-27	60	45	54	19	002214
1100 S-30	62	49	54	21	002221
1100 S-32	63	51.5	54	21	002238
1100 S-33 *	63	52.5	54	21	002252
1100 S-34	63	53.5	54	22	002269
1100 S-36	67	56.5	54	23	002276
1100 S-41	70	63	54	26	002290
1100 S-46	76	69.5	54	28	002320
1100 S-50	82	74.5	54	30	002344
1100 S-55	87	81	54	32	002351
1100 S-60	91	87	54	34	002375

1100 SLG Impact socket (6-point)

Made in Germany

- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2

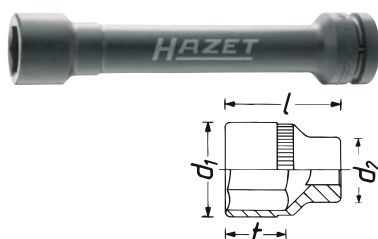


HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1100 S Lg-24	110	41.5	54	17	002405
1100 S Lg-27	110	45	54	19	002412
1100 S Lg-30	110	49	54	21	002429
1100 S Lg-32	110	51.5	54	21	002436
1100 S Lg-33	110	52.5	54	21	002443
1100 S Lg-36	110	56.5	54	23	002467
1100 S Lg-38	110	59	54	24	002474
1100 S Lg-41	110	63	54	26	002481
1100 S Lg-46	110	69.5	54	28	002498

1104 S Impact socket (6-point)

Made in Germany

- Extra long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled
- DIN 3129, ISO 2725-2



1104 S Impact socket (6-point)

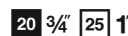


HAZET No.	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
1104 S-32	270	48.5	54	30.5	002665

1107 S Impact adapter

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled

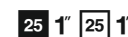


HAZET No.	l mm	EAN-No. 4000896+
1107 S	70	002733

1106 S Impact joint

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: burnished, oiled

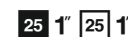


HAZET No.	l mm	EAN-No. 4000896+
1106 S	125	002719

1105 S Impact extension

Made in Germany

- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	EAN-No. 4000896+
1105 S- 7	180	002702
1105 S-13	330	002696

1100 S O-ring and connecting pin

Made in Germany

- For all □ 25 = 1" connections



HAZET No.	mm	EAN-No. 4000896+
1100 S-G 2260	Ø 45x7	002382
1100 S-H 2260	Ø 5x45	002399



TORX® Tools

1557 Tool set TORX®

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

6.3 1/4 10 3/8 12 1/2



850 E • 6.3 1/4 • 10
E 4 • E 5 • E 6



880 E • 10 3/8 • 12
E 8 • E 10 • E 12



900 E • 12 1/2 • 14
E 14 • E 18 • E 20



HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/9	185x153x52	9	003907

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant
- Surface:

TIN 6.3 1/4 10 3/8 12 1/2



8502 E • 8 1/4 • 10
T 8 • T 10 • T 15



8802 E • 10 3/8 • 12
T 20 • T 25 • T 30



992 E • 12 1/2 • 14
T 40 • T 50 • T 55 • T 60



HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/10	185x153x52	10	003716



1557 Tool set TORX®

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant
- Surface:

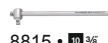
TIN 6.3 1/4 10 3/8



880 E • 10 3/8 • 12
E 5 • E 6 • E 7 • E 8
E 10 • E 11 • E 12 • E 14



8802 E • 10 3/8 • 12
T 15 • T 20 • T 25 • T 27
T 30 • T 40 • T 45 • T 50



8815 E • 10 3/8



8816 P • 10 3/8

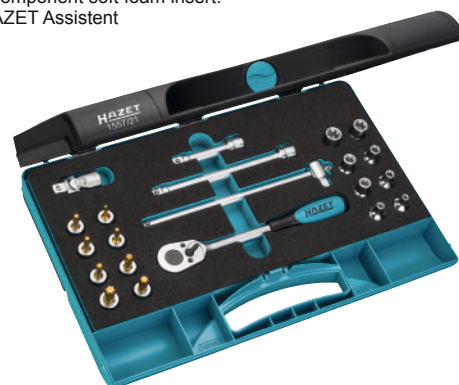


8820 E • 10 3/8 • 12



8821 E • 10 3/8 • 12

8821-3 • 8821-6



HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/21	355x235x65	21	003822

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistant

6.3 1/4 10 3/8 12 1/2



609 E • 6 x E 8 • E 10 x E 12
E 14 x E 18 • E 20 x E 24



900 E • 12 1/2 • 14
E 10 • E 12 • E 14



2223 E • 10 3/8 • 12
T 30 H



850 E • 6.3 1/4 • 10
E 5 • E 6 • E 7 • E 8



992 E • 12 1/2 • 14
T 55 • T 60



2223 LG E • 10 3/8 • 12
T 25



880 E • 10 3/8 • 12
E 10 • E 12 • E 14



2223 E • 10 3/8 • 12
T 10 • T 20 • T 25
T 27 • T 30



2250-1 E • 8 1/4 • 10
2250-3 E • 10 3/8 • 12
2250-5 E • 12 1/2 • 14



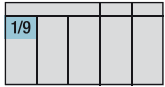
HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/29	355x235x65	29	003846



1557 Tool set TORX®

Made in Germany

- Equipped with 2 bits of each size
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



2223 • 6.3 1/4 • 1/4
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

2224 • 6.3 1/4 • 1/4
T 40 • T 45 • T 50 • T 55

2250-1 • 6.3 1/4 • 1/4 • 1/4
2250-2 • 10 3/8 • 1/4 • 1/4
2250-3 • 10 3/8 • 1/4 • 1/4
2250-5 • 12 1/2 • 1/4 • 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/32	185x153x52	32	003860

Made in Germany

- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



609 • 6
E 6x E 8 • E 10x E 12
E 14x E 18 • E 20x E 24

803 • 6
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

850 E • 6.3 1/4 • 1/4
E 4 • E 5 • E 6 • E 7 • E 8

880 E • 10 3/8 • 1/4
E 10 • E 11 • E 12 • E 14

8802 • 10 3/8 • 1/4
T 40 • T 45

900 E • 12 1/2 • 1/4
E 16 • E 18 • E 20 • E 24

992 • 12 1/2 • 1/4
T 50 • T 55 • T 60

2115 • 6
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • 6.3 1/4 • 1/4
T 6

2223 • 6.3 1/4 • 1/4
T 7H • T 8H • T 9H
T 10H • T 15H • T 20H
T 25H • T 27H • T 30H
T 40H

2223 LG • 6.3 1/4 • 1/4
T 25

2250-1 • 6.3 1/4 • 1/4 • 1/4
2250-2 • 10 3/8 • 1/4 • 1/4

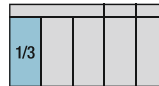
2264 • 6.3 1/4

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/58	355x235x65	58	003884

163 TORX® socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



850 E • 6.3 1/4 • 1/4
E 5 • E 6 • E 7 • E 8 • E 10

900 E • 12 1/2 • 1/4
E 10 • E 12 • E 14
E 16 • E 18 • E 20

2115-T77 R • 6

8502 • 6.3 1/4 • 1/4
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

992 • 12 1/2 • 1/4
T 30 • T 40 • T 45
T 50 • T 55

HAZET No.	W x D mm		EAN-No. 4000896+
163-192/24	342x172	24	162314

163 Tool set, TORX®

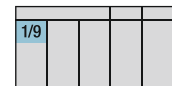
Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



900 E • 12 1/2 • 1/4
E 10 • E 12 • E 14
E 16 • E 18 • E 20

992 • 12 1/2 • 1/4
T 30 • T 40 • T 45
T 50 • T 55 • T 60



HAZET No.	W x D mm		EAN-No. 4000896+
163-245/12	172x114	12	178049

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



850 E • 6.3 1/4 • 1/4
E 4 • E 5 • E 6 • E 7
E 8 • E 10 • E 11

8502 • 6.3 1/4 • 1/4
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40



HAZET No.	W x D mm		EAN-No. 4000896+
163-251/14	172x50	14	178063

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface:



880 E • 10 3/8 • 1/4
E 8 • E 10 • E 12 • E 14

8802 • 10 3/8 • 1/4
T 25 • T 30 • T 40
T 45 • T 50



HAZET No.	W x D mm		EAN-No. 4000896+
163-252/9	172x50	9	178070



Screwdrivers / Bits

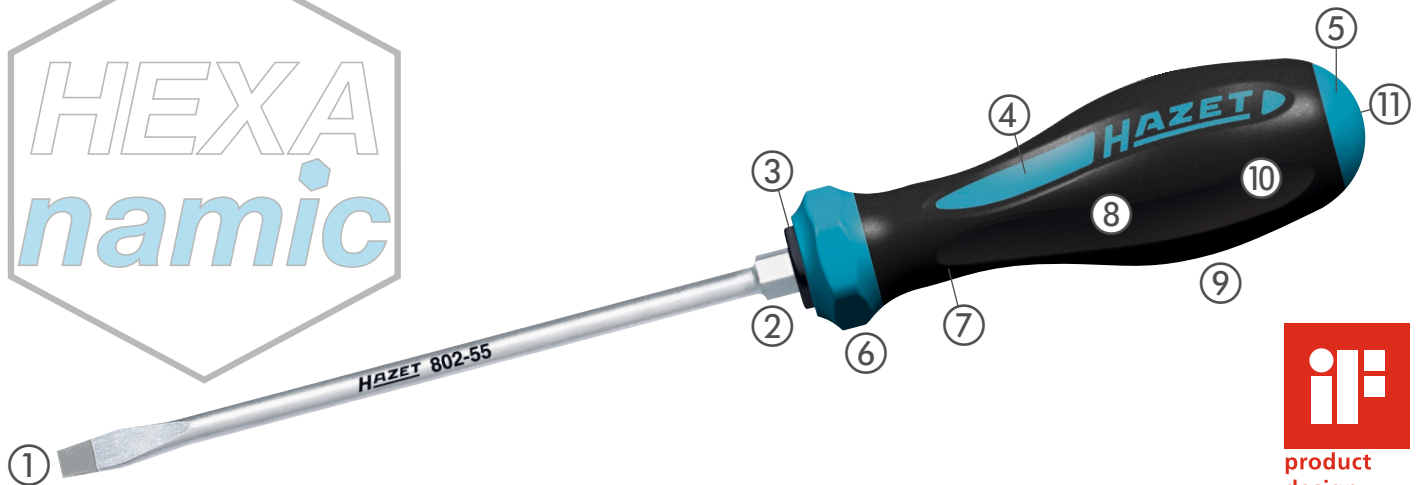


HEXAnamic® screwdriver with 3-component handle [802]		203–204
Screwdriver with 2-component handle, short form [801]		204
Screwdriver with impact cap, with 3-component handle [810 U]		204–205
Screwdriver with 3-component handle [810]		205
trinamic® screwdriver with single-component handle [803]		206–207
VDE screwdriver with protective insulation, 2-component handle [810]		264–265
Electronic screwdriver [805]		207
Socket [426 / 428]		208
Screwdriver with 2-component T-handle [828]		208–209
Offset screwdriver [819 / 2100 – 2116]		209–211
1/4" Bit sets [863 / 2200 / 2240]		213
1/4" Bits [2208 – 2225]		214
1/4" Operating tools and adapters for bits [810 / 863 / 2264 – 2265]		215–216
5/16" Bit sets [2272]		217
5/16" Bits [2210 – 2212]		217–218
5/16" Operating tools and adapters for bits [2250 – 2272]		218

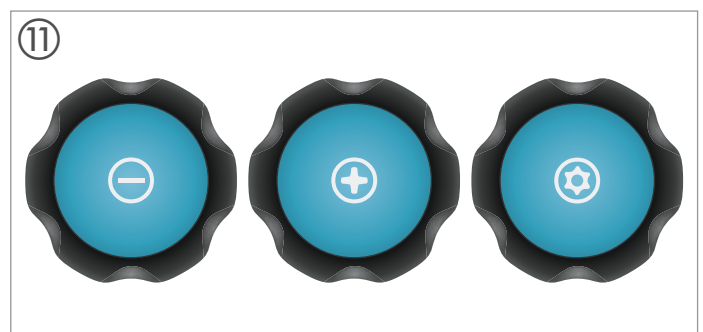
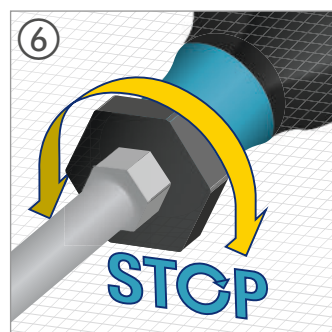
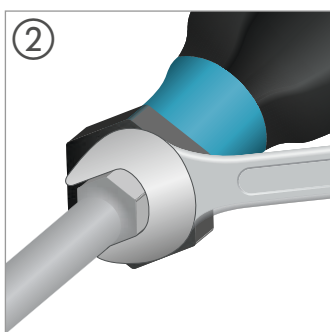


HAZET HEXAnamic screwdriver 802

Anatomically shaped screwdrivers according to the latest developments in ergonomic research



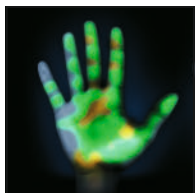
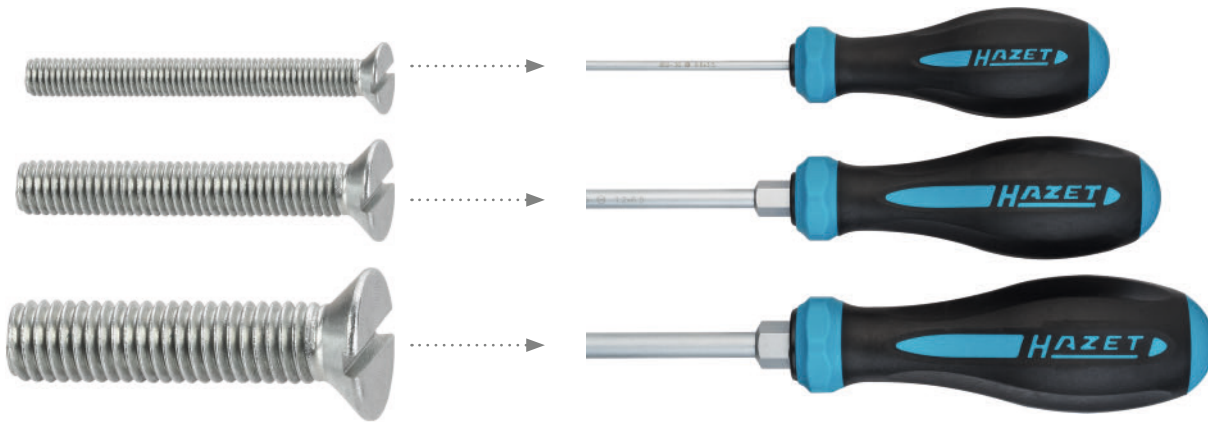
- ① Grey coated tip for **optimal protection against corrosion** and **perfect hold** of the blade in the screw head
- ② **Integrated hex bolster**
For use with wrench to transfer higher torques
- ③ **Component no. 1 (hard):** Optimal blade fixing
- ④ **Component no. 3 (soft):**
For exceptional slide-off protection at axial contact pressure
- ⑤ **Component no. 2 (hard):**
Stability against external impact
- ⑥ With **offset hexagon** at the front of the handle:
• **Slide-off protection**
• **Anti-roll protection**
- ⑦ Well-sized **spinning area**
- ⑧ **Non-slipping** even with greasy hands
- ⑨ Ergonomically shaped for perfect contact between hand and screwdriver
- ⑩ **6 deepened gripping areas** for optimal force transmission
- ⑪ **Imprinted screw profile** for finding the right screwdriver fast – At any time!



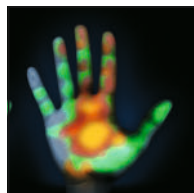


HAZET handle design 802

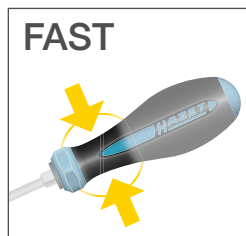
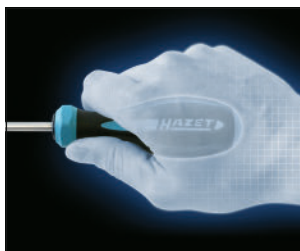
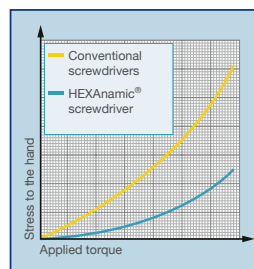
Optimally suited to the screw sizes



HEXAnamic® handle
= low pressure

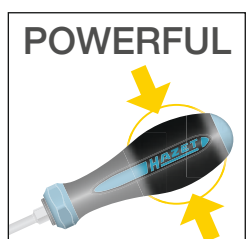


Conventional handle
= high pressure



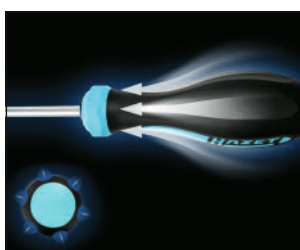
HAZET design elements for spinning

- Well-sized slim spinning area at the end of the handle guarantees fast turning
- Optimal for fast and sensitive screw connections



HAZET design elements for a powerful effect when working with screws

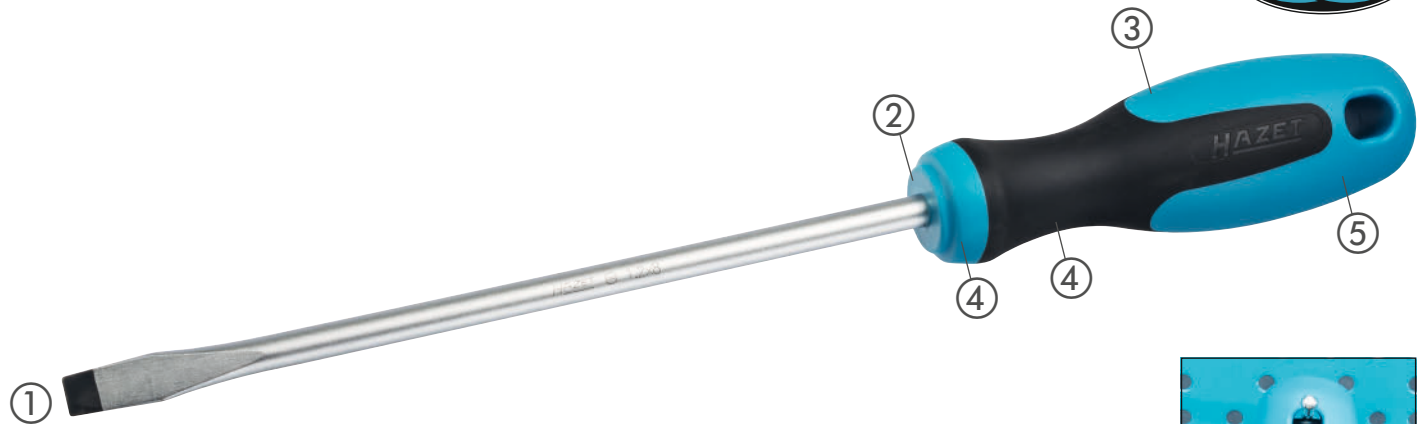
- 6 deepened hand-friendly gripping areas for high power transmission
- Ergonomically shaped handle for perfect contact between hand and screwdriver
- Also suited for continuous operation thanks to user-friendly design
- Strong slide-off protection for safe work and high tightening torque at axial contact pressure





HAZET Screwdrivers 810

The new economical screwdriver



① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

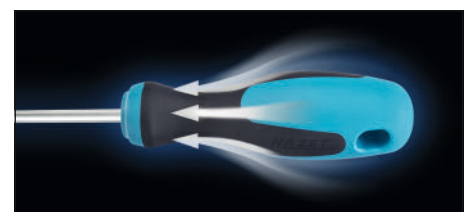
② • **Optimised slide-off protection**
• Protects against **uncontrolled rolling of the screwdriver**



③ The HAZET **3-component handle** always ensures optimum power and grip. The softer, non-slipping components allow for a secure hold. The distinct slide-off zones ensure power through perfect friction locking.

④ Hard component

⑤ Soft component





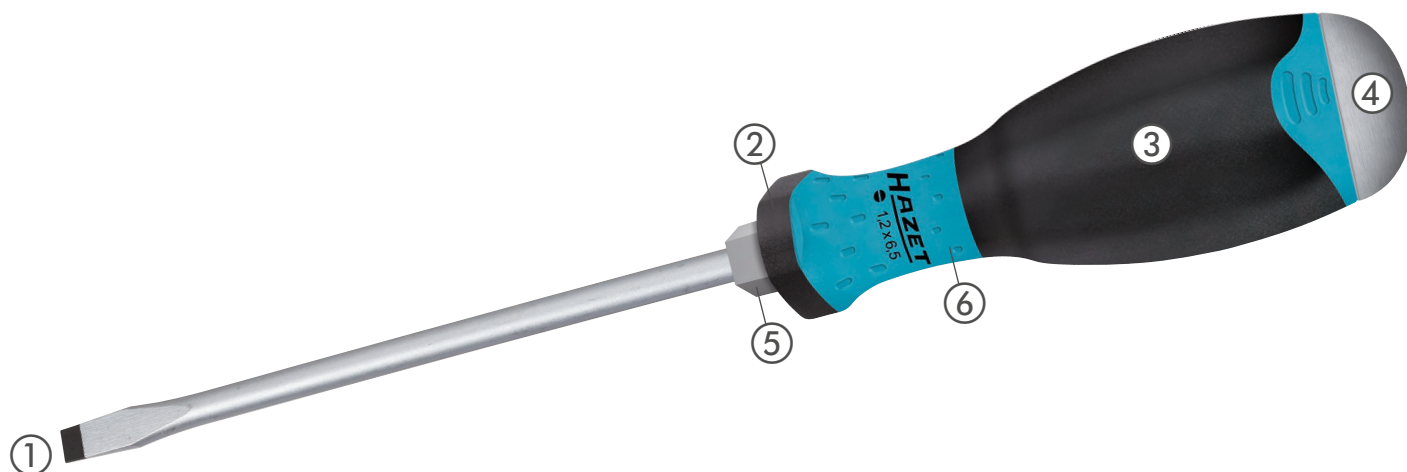
Hand tools

Screwdrivers / Bits



HAZET screwdriver 810 U with impact cap

For screwing and more!



- ① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

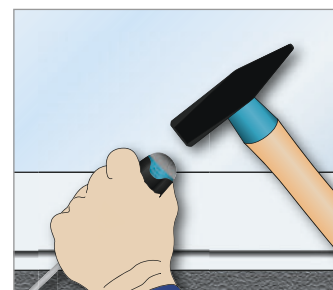
- ② • **Optimised slide-off protection**
• Protects against **uncontrolled rolling of the screwdriver**



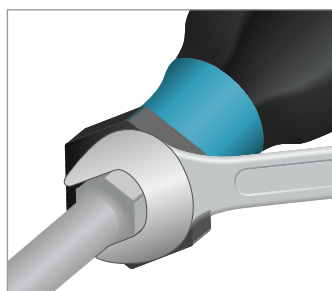
- ③ The HAZET **3-component handle** always ensures optimum power and grip. The softer, non-slipping components allow for a secure hold. The distinct slide-off zones ensure power from perfect friction locking.



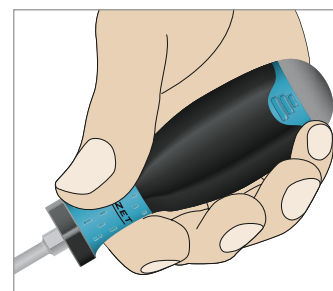
- ④ **Integrated steel cap** increases service life and reduces risk of chipping. For loosening jammed screws and for smaller chiseling jobs
Note: Always wear safety glasses for safety reasons!



- ⑤ Hex bolster for use with a wrench to transfer higher torques.



- ⑥ Well suited for continuous operation thanks to the ergonomically shaped handle that provides the perfect contact between your hand and the screwdriver.





HAZET trinamic® Screwdrivers 803

Synthesis of steel and plastic



① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

② trinamic® shape:
• Slide-off protection
• Anti-roll protection



③ Non-slipping even with greasy hands

④ Upset and pressed hex bolster enables power transfer that is many times higher when using an open-end wrench

⑤ Narrow shape with spinning area

⑥ trinamic®
1-component handle, ergonomically shaped and extremely resilient





Different HAZET handle designs

FAST



Well-sized spinning area

- Allows for safe and fast turning between thumbs and index finger
- Optimal guidance with slight widening to the offset hexagon as slide-off protection
- Ergonomically shaped handle for a perfect friction connection across all components

POWERFUL



HAZET 3-component handle for a perfect friction connection

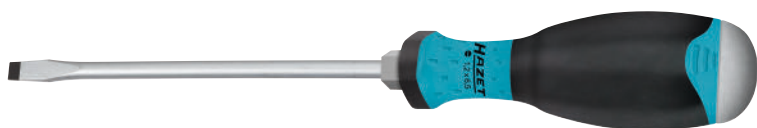
- Maximum friction connection with ergonomic 3-component handle
- Firm grip using entire fist around the handle possible
- Suited for continuous operation as the highly ergonomic development means there are no elements that cause pain when turning screws



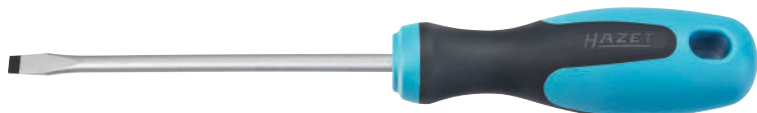
Screwdriver with 2-component handle, short design



HEXAnamic® with 3-component handle



Screwdriver with impact cap, with 3-component handle



Screwdriver with 3-component handle



trinamic® Screwdriver with 1-component handle



Electronic screwdriver



Clip screwdriver



Do you know?



High performance and durability

- Blade made from the best chrome-vanadium molybdenum steels is toughened throughout
- **Precise fitting into screw head**
- Blade tip produces with high precision and also burnished
- Permanent protection from corrosion
- Chrome-plated surface offers perfect protection from rust
- **Finding the right screwdriver fast**
- Imprinted screw profile makes it easier for the mechanic to always find the right grip
- **Suitable for continuous operation**
- Ergonomic handle prevents pressure marks and painful swelling

Additional advantage in work safety

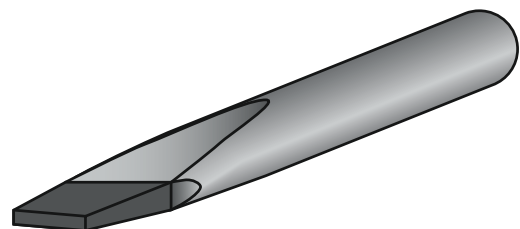
- Recessed hexagon roll protection prevents unintended sliding-off and provides additional slip-off protection for safe working

The HAZET 3-component handle ensures optimum power and grip thanks to its combination of materials

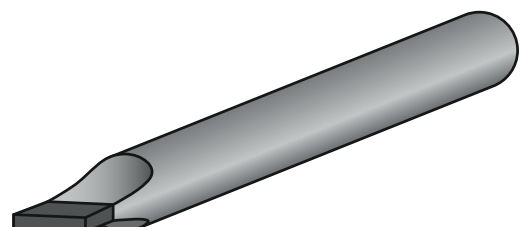
- Non-slip components enable safe holding and distinct slide-off zones provide power with the perfect friction connection

HAZET offers the following specific blades for slotted screws:

- Wedge-shaped blade tip for workshop applications
→ well suited for all work with screws
- In accordance with ISO 2380-1:2004, ISO 2380-2:2004



- Narrow, parallel blade tip for electrician applications → well suited for screws located deep inside screw shaft, e.g. in power sockets and insulating screw joints
- In accordance with ISO 2380-1; 2004, form B





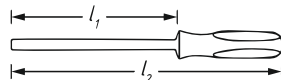
Hand tools

Screwdrivers / Bits



802 HEXAnamic® screwdriver

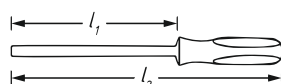
- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Surface: chrome-plated
- ISO 2380-1:2004, ISO 2380-2:2004



From size 55 on blade with hex bolster for use with a wrench, allows application of high torque values

HAZET No.	mm	mm	mm	mm	mm	mm	EAN-No. 4000896+
802- 30	–	3.5	0.6	80	179	144785	
802- 40	–	4	0.8	100	199	144808	
802- 55	8	5.5	1	125	239	144815	
802- 65	10	6.5	1.2	150	264	144822	
802- 80	13	8	1.2	150	279	144839	
802-100	13	10	1.6	175	304	144846	
802-120	16	12	2	200	329	144853	

- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- ISO 8764-1:2004, ISO 8764-2:2004

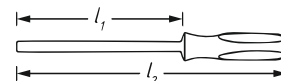


Size PH 3: blade with hex bolster

HAZET No.	mm	mm	mm	EAN-No. 4000896+
802-PH 0	–	60	159	144860
802-PH 1	–	80	194	144884
802-PH 2	–	100	214	144907
802-PH 3	13	150	279	144921

802 HEXAnamic® screwdriver

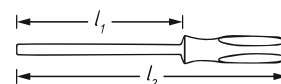
- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- ISO 8764-1:2004, ISO 8764-2:2004



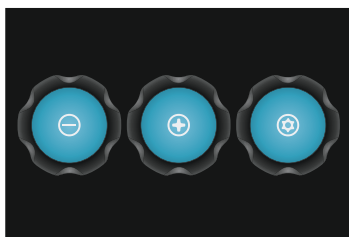
Size PZ 3: blade with hex bolster

HAZET No.	mm	mm	mm	EAN-No. 4000896+
802-PZ 0	–	60	159	145058
802-PZ 1	–	80	194	145065
802-PZ 2	–	100	214	145072
802-PZ 3	13	150	279	145089

- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade



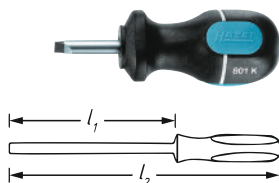
HAZET No.	mm	mm	mm	EAN-No. 4000896+
802-T 8 H	60	159	2.31	145102
802-T 9 H	60	159	2.50	145119
802-T 10 H	80	179	2.74	145126
802-T 15 H	80	179	3.27	145133
802-T 20 H	100	214	3.86	145140
802-T 25 H	100	214	4.43	145164
802-T 27 H	115	214	4.99	145171
802-T 30 H	115	229	5.52	145188
802-T 40 H	130	259	6.65	145195
802-T 45 H	130	259	7.82	145201





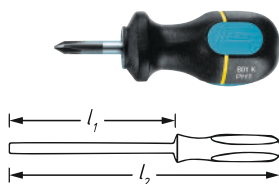
801 K Screwdriver

- Ergonomically shaped HAZET 2-component handle
- Short design
- Round blade



HAZET No.	mm	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
801 K-35	3.5	0.6	25	89	079964
801 K-55	5.5	1	25	89	079971
801 K-80	8	1.2	25	89	079988

- Ergonomically shaped HAZET 2-component handle
- Short design
- Round blade



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
801 K-PH 1	25	89	080038
801 K-PH 2	25	89	080045

802 HEXAnamic® screwdriver set

- Non-slip HAZET 3-component handle – allows high power transmission



product design award

2009



802 •	802 •	801 K •	801 K •
0.6x3.5 • 0.8x4	PH 1 • PH 2	PH 2	1x5.5
1x5.5 • 1.2x6.5			
1.2x8 • 1.6x10			

HAZET No.	mm	EAN-No. 4000896+
802/10	10	145577

- Non-slip HAZET 3-component handle – allows high power transmission
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

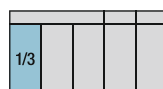


802 •
T 8H • T 9H • T 10H • T 15H • T 20H • T 25H • T 30H

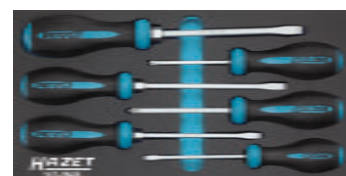
HAZET No.	W x D mm	mm	EAN-No. 4000896+
802 T H/7	342x172	7	145607

802 HEXAnamic® screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



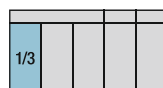
802 •	802 •
0.8x4 • 1x5.5	PH 1 • PH 2
1.2x6.5 • 1.2x8	



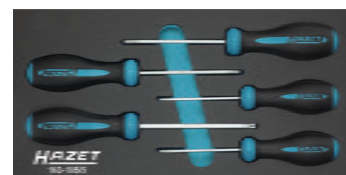
HAZET No.	W x D mm	mm	EAN-No. 4000896+
163-184/6	342x172	6	161461

802 TH HEXAnamic® screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



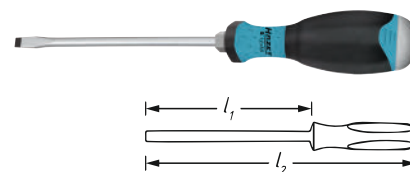
802 •
T 10H • T 15H • T 20H • T 25H • T 30H



HAZET No.	W x D mm	mm	EAN-No. 4000896+
163-185/5	342x172	5	161478

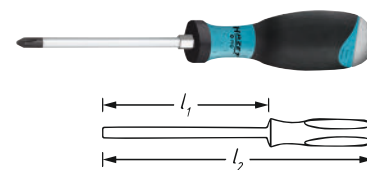
810 U Screwdriver

- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade



HAZET No.	mm	mm	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
810 U-45	8	4.5	0.8	75	175	200504
810 U-55	8	5.5	1	100	200	200511
810 U-70	10	7	1.2	125	225	200528

- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade



HAZET No.	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
810 U-PH 1	8	80	180	200498
810 U-PH 2	10	100	210	200481
810 U-PH 3	13	150	260	200474



Hand tools

Screwdrivers / Bits



810 U Screwdriver set

- With hex bolster (for use with a wrench) and impact cap
- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Surface: blade matt chrome-plated, tip burnished



810 U •
 0.8x4.5 • 1x5.5 • 1.2x7

810 U •
 PH 1 • PH 2

HAZET No.		EAN-No. 4000896+
810 U-1/5	5	179572

810 U Screwdriver set with impact cap

- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



810 U •
 0.8x4.5 • 1x5.5
 1.2x7

810 U •
 PH 1 • PH 2

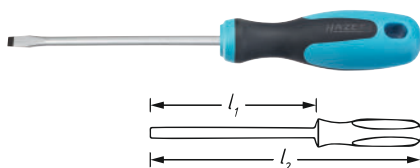
HAZET No.	W x D mm		EAN-No. 4000896+
163-264/5	342x172	5	180592

810 Screwdriver

- With hanging hole in handle



- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Surface: blade matt chrome-plated, tip burnished



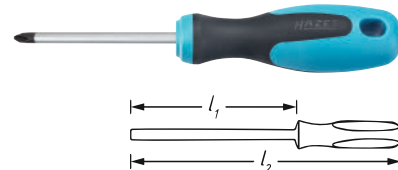
HAZET No.			l_1 mm	l_2 mm	EAN-No. 4000896+
810-30	3	0.5	80	165	205127
810-40	4	0.8	100	185	205134
810-55	5.5	1	125	230	205141
810-65	6.5	1.2	150	265	205158

810 Screwdriver

- With hanging hole in handle



- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Surface: blade matt chrome-plated, tip burnished

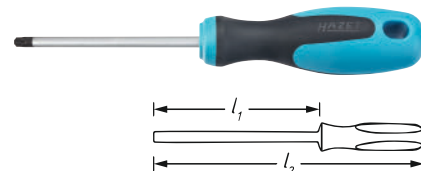


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810-PH 1	80	185	205165
810-PH 2	100	215	205172

- With hanging hole in handle



- Non-slip HAZET 3-component handle – allows high power transmission
- Round blade
- Surface: blade matt chrome-plated, tip burnished



HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
810-T 10	80	165	2.74	205189
810-T 15	80	165	3.27	205196
810-T 20	100	185	3.86	205202
810-T 25	100	205	4.43	205219
810-T 27	115	220	4.99	205226
810-T 30	115	230	5.52	205233

810 Screwdriver set

- With hanging hole in handle

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



810 •
 0.5x3 • 0.8x4
 1x5.5 • 1.2x6.5

810 •
 PH 1 • PH 2

HAZET No.		EAN-No. 4000896+
810/6	6	058808

- With hanging hole in handle

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



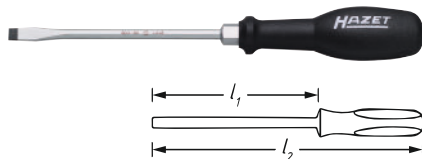
810 •
 T 10 • T 15 • T 20 • T 25 • T 27 • T 30

HAZET No.		EAN-No. 4000896+
810 T/6	6	204304



803 Screwdriver trinamic®

- Ergonomically shaped 1-component trinamic handle
- Round blade
- Surface: chrome-plated, tips burnished
- ISO 2380-2



- * = Blade with **hex bolster** for use with a wrench – allows application of high torque values
- + = Length l1 not according to ISO 2380-2

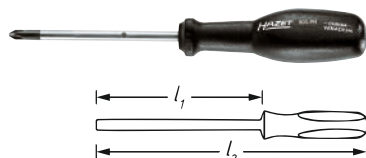
HAZET No.	mm	mm	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
803- 20 +	–	2	0.4	63	143	077434
803- 25	–	2.5	0.4	75	155	077441
803- 30 +	–	3	0.5	80	160	077458
803- 35	–	3.5	0.6	100	193	077465
803- 40	–	4	0.8	100	193	077472
803- 55	–	5.5	1	125	218	077489
803 S- 55 *	8	5.5	1	125	235	089109
803- 65	–	6.5	1.2	150	260	077496
803- 80 *	13	8	1.2	150	272	077502
803-100 *	13	10	1.6	175	309	077519
803-120 *	16	12	2	200	334	077526
803-140 *	16	14	2.5	250	384	077533

- For deeply located screw connections
- Ergonomically shaped 1-component trinamic handle
- Extra long design
- Round blade



HAZET No.	mm	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
803 Lg-55	5.5	1	410	520	077540

- Ergonomically shaped 1-component trinamic handle
- Round blade
- DIN ISO 8764-2, ISO 8764-2



From size PH 3 on, blade with hex bolster

HAZET No.	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
803-PH 0	–	60	140	077557
803-PH 1	–	80	173	077564
803-PH 2	–	100	210	077571
803-PH 3	13	150	272	077588
803-PH 4	16	200	334	077595

- Ergonomically shaped 1-component trinamic handle
- Extra long design
- Round blade

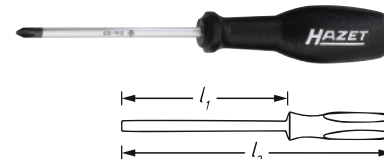


803 Screwdriver trinamic®



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
803 Lg-PH 1	250	343	077601
803 Lg-PH 2	250	360	077618

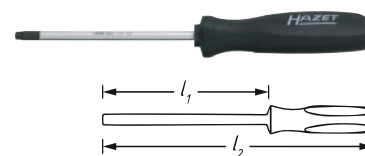
- Marking ring blue
- Ergonomically shaped 1-component trinamic handle
- Round blade



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
803-PZ 1	80	173	077632
803-PZ 2	100	210	077649

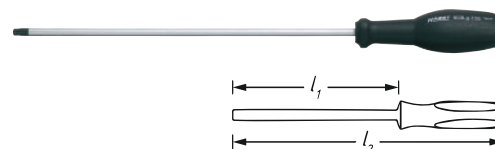
Made in Germany

- Ergonomically shaped 1-component trinamic handle
- Round blade



HAZET No.	l ₁ mm	l ₂ mm	mm	EAN-No. 4000896+
803-T 6	48	112	1.67	077670
803-T 7	48	112	1.99	077687
803-T 8	55	127	2.31	077694
803-T 9	55	127	2.50	077700
803-T 10	70	150	2.74	077717
803-T 15	70	150	3.27	077724
803-T 20	84	175	3.86	077731
803-T 25	84	175	4.43	077748
803-T 27	99	200	4.99	077755
803-T 30	99	200	5.52	077762
803-T 40	99	217	6.65	086214

- Application e.g. at the dashboard, car body, engine compartment as well as industry applications
- Ergonomically shaped 1-component trinamic handle
- Long design
- Round blade



HAZET No.	l ₁ mm	l ₂ mm	mm	EAN-No. 4000896+
803 Lg-T 15	250	330	3.27	087785
803 Lg-T 20	250	343	3.86	087792
803 Lg-T 25	250	345	4.43	087808
803 Lg-T 30	250	360	5.52	087815

Screwdriver for electricians

See chapter VDE- / Tools for Electricians page 265





Hand tools

Screwdrivers / Bits

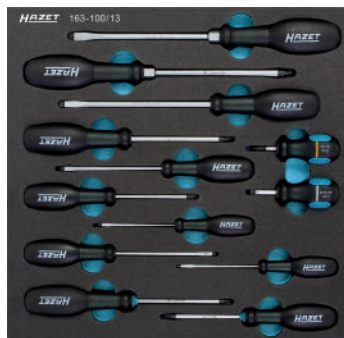


803 Screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



2/3			
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803 • 0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4
1.2x6.5 • 1.2x8

801 K • PH 2
 1x5.5

803 • PZ 1 • PZ 2
 803 • PH 1 • PH 2 • PH 3

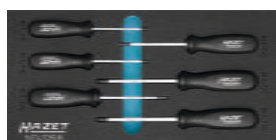
HAZET No.	W x D mm		EAN-No. 4000896+
163-100/13	344x342	13	145713

803 TORX® screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/3			
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803 • T 10 • T 15 • T 20 • T 25 • T 27 • T 30

HAZET No.	W x D mm		EAN-No. 4000896+
163-225/6	342x172	6	177394

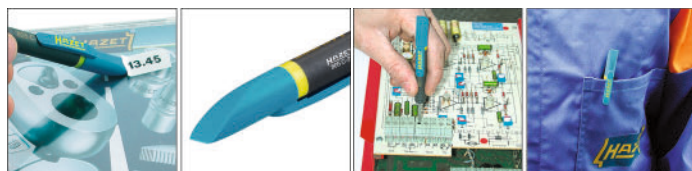
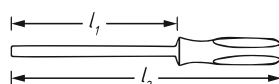
805 C Clip screwdriver

Made in Germany

- The versatile screwdriver for everyday use – always ready to hand



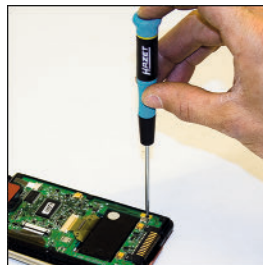
- With fibre-reinforced scraper for damage-free removal of stickers etc.
- Clip holds screwdriver tight in every pocket, e.g. breast or sleeve pocket
- Rotating clip – for improved handling
- Round blade
- Surface: blade chrome-plated



HAZET No.	W x D mm	W x D mm	L1 mm	L2 mm	EAN-No. 4000896+
805 C-25	2.5	0.4	30	130	089123

805 Electronic screwdriver

- For smallest screws
- With revolving head
- Firm grip thanks to recessed handle
- Round blade
- Surface: tip burnished



HAZET No.	W x D mm	W x D mm	L1 mm	L2 mm	EAN-No. 4000896+
805-02	2	0.4	60	153	032594
805-025	2.5	0.4	75	168	032600
805-03	3	0.5	75	168	032617

805 Electronic screwdriver set

- Plastic box
- 0.3x1.5 0.4x2 0.4x2.5 0.5x3
 PH 00 PH 0 PH 1



HAZET No.	L x W x H mm		EAN-No. 4000896+
805/7	205x125x20	7	032655

808 Electronic screwdriver set

- Plastic box
- T 5 T 6 T 7 T 8 T 9 T 10 T 15



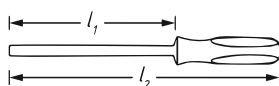
HAZET No.	L x W x H mm		EAN-No. 4000896+
808/7	205x125x20	7	055050



839 Voltmeter

Made in Germany

- 220–250 V according to standard VDE 0680
- Slotted blade, concave ground
- Extra long handle, 92 mm
- With clip
- Defective glow tube not replaceable according to VDE
- Round blade

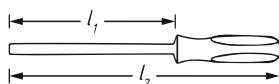


HAZET No.	$\frac{1}{4}$ mm	$\frac{3}{4}$ mm	l_1 mm	l_2 mm	EAN-No. 4000896+
839-1	2.8	0.5	58	150	035670

426 Nut driver, flexible

Made in Germany

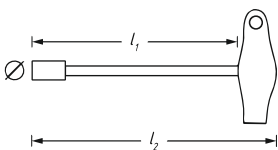
- Ergonomically shaped 1-component trinamic handle
- Blade shape: Flexible



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
426- 5	190	300	019243
426- 6	190	300	019250
426- 7	190	300	019267
426- 8	190	300	019274
426-10	190	300	019236

428 Nut driver

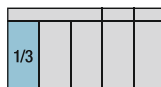
- Ergonomically shaped HAZET 2-component T-handle
- Short design
- Surface: chrome-plated



HAZET No.	$\varnothing$ mm	l_1 mm	l_2 mm	EAN-No. 4000896+
428- 6	9	230	256	019397
428- 7	11	230	256	019410
428- 8	12	230	264	019427
428-10	14	230	264	019281
428-11	16	230	264	019304
428-12	17	230	264	019328
428-13	18	230	264	019335

428 Nut driver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

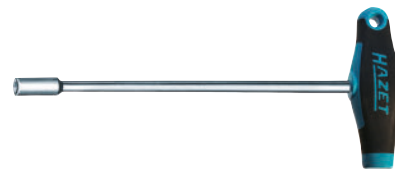
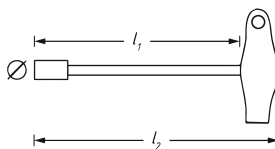


428 • ●
8 • 10 • 13

HAZET No.	W x D mm		EAN-No. 4000896+
163-122/3	342x172	3	153534

428 LG Nut driver

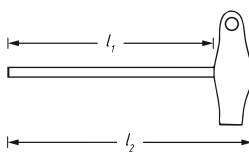
- Ergonomically shaped HAZET 2-component T-handle
- Long design
- Surface: chrome-plated



HAZET No.	$\varnothing$ mm	l_1 mm	l_2 mm	EAN-No. 4000896+
428 Lg- 8	12	350	384	019601
428 Lg-10	14	350	384	019526
428 Lg-13	18	350	384	019557

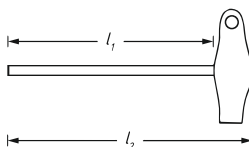
828 Screwdriver

- Ergonomically shaped HAZET 2-component T-handle
- 6-point blade
- Surface: chrome-plated, tips burnished



HAZET No.	S mm	l_1 mm	l_2 mm	EAN-No. 4000896+
828- 2	2	100	118	034123
828- 2.5	2.5	100	118	034130
828- 3	3	150	168	034161
828- 4	4	150	176	034192
828- 5	5	200	226	034222
828- 6	6	200	234	034246
828- 8	8	200	234	034260
828-10	10	200	234	034109

- Ergonomically shaped HAZET 2-component T-handle
- Round blade
- Surface: chrome-plated, tips burnished





Hand tools

Screwdrivers / Bits



828 Screwdriver

HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828-T 6	80	98	1.67	034451
828-T 7	80	98	1.99	034468
828-T 8	80	98	2.31	034475
828-T 9	80	98	2.50	034482
828-T 10	100	126	2.74	034291
828-T 15	100	126	3.27	034307
828-T 20	100	126	3.86	034321
828-T 25	110	136	4.43	034345
828-T 27	120	146	4.99	034376
828-T 30	130	156	5.52	034383
828-T 40	130	164	6.65	034413
828-T 45	130	164	7.82	034420

828 T-handle screwdriver set

- Safety-Insert-System, 2-component soft foam insert.
- Insert also suitable for HAZET Assistant



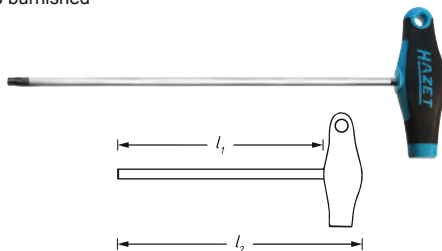
828 •

T 6 • T 7 • T 8 • T 9 • T 10 • T 15 • T 20 • T 25 • T 30

HAZET No.	W x D mm		EAN-No. 4000896+
163-182/9	342x172	9	162352

828 LG Screwdriver

- Ergonomically shaped HAZET 2-component T-handle
- Extra long design
- Round blade
- Surface: chrome-plated, tips burnished

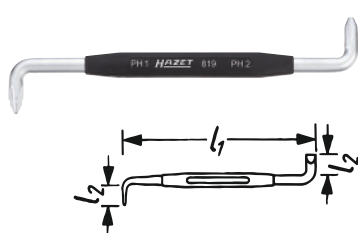


HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828 Lg-T 20	200	226	3.86	139941
828 Lg-T 30	290	316	5.52	116638

819 Offset screwdriver

• Made in Germany

- Round blade
- DIN 5208

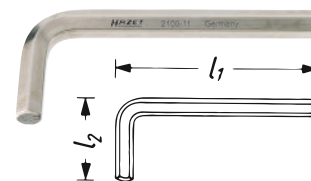


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
819-PH 1 + PH 2	125	20	033201

2100 Offset screwdriver

• Made in Germany

- Metric dimensions
- Surface: nickel-plated
- DIN ISO 2936



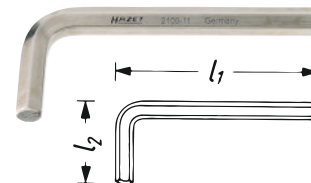
* = Not according to DIN

HAZET No.	S mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2100-015	1.5	46.5	15.5	011261
2100-02	2	52	18	011278
2100-025	2.5	58.5	20.5	011285
2100-03	3	66	23	011308
2100-04	4	74	29	011322
2100-05	5	85	33	011346
2100-06	6	96	38	011353
2100-07	7	102	41	011360
2100-08	8	108	44	011377
2100-09 *	9	119	47	011391
2100-10	10	122	50	011407
2100-11 *	11	130	53	011414
2100-12	12	137	57	011421
2100-14	14	154	70	011445
2100-17	17	177	80	011452
2100-19	19	199	89	011469
2100-22	22	222	102	011476
2100-24	24	248	114	011483
2100-27	27	277	127	011490

2100 A Offset screwdriver

• Made in Germany

- American dimensions
- Surface: nickel-plated



HAZET No.	S"	l_1 mm	l_2 mm	EAN-No. 4000896+
2100 A-5/64	5/64	52	18	011698
2100 A-3/32	3/32	58.5	20.5	011643
2100 A-1/8	1/8	66	23	011629
2100 A-5/32	5/32	74	29	011681
2100 A-3/16	3/16	84.5	32.5	011636
2100 A-7/32	7/32	90.5	35.5	011728
2100 A-1/4	1/4	96.5	38.5	011612
2100 A-5/16	5/16	108	44	011674
2100 A-3/8	3/8	121.5	49.5	011667
2100 A-1/2	1/2	144.5	62.5	011605
2100 A-9/16	9/16	154.5	69.5	011735
2100 A-5/8	5/8	176	76	011704
2100 A-3/4	3/4	199	89	011650

2100 Offset screwdriver set

• Made in Germany

- Metric dimensions
- Plastic tool holder



HAZET No.		EAN-No. 4000896+
2100 •		
3 • 4 • 5 • 6 • 8 • 10		
2100/6 H	6	011551



2100 Offset screwdriver set

Made in Germany

- With ring



HAZET No.		EAN-No. 4000896+
Metric dimensions		
2100 • O		
2 • 2.5 • 3 • 4 • 5 • 6 • 8		
2100/7 R	7	011599
American dimensions		
2100 A • O		
3/32 • 1/8 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16		
2100 A/7 R	7	011773

Made in Germany

- Plastic roll



HAZET No.		EAN-No. 4000896+
Metric dimensions		
2100 • O		
2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 12		
2100/10 P	10	011506
Metric dimensions		
2100 • O		
2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 12 • 14 • 17 • 19 • 22		
2100/14 P	14	011537
American dimensions		
2100 A • O		
5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16 • 3/8 • 1/2 • 9/16 • 5/8 • 3/4		
2100 A/13 P	13	011766

Made in Germany

- Metric dimensions
 - Plastic hinged tool holder
 - Surface: nickel-plated
 - DIN ISO 2936
- s 2.5 3 4 5 6 8

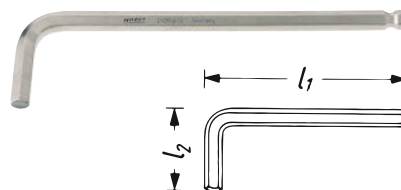


HAZET No.		EAN-No. 4000896+
2100/6 KH	6	072590

2105 LG Offset screwdriver

Made in Germany

- Ball head end = swivel range 20°
- Metric dimensions
- Extra long design
- With ball-head
- Surface: nickel-plated



HAZET No.	S mm	l1 mm	l2 mm	EAN-No. 4000896+
2105 Lg-015	1.5	91.5	15.5	011896
2105 Lg-02	2	102	18	011902
2105 Lg-025	2.5	114.5	20.5	011919
2105 Lg-03	3	129	23	011926
2105 Lg-04	4	144	29	011933
2105 Lg-05	5	165	33	011940
2105 Lg-06	6	186	38	011957
2105 Lg-07	7	207	43	011964
2105 Lg-08	8	208	48	011971
2105 Lg-10	10	234	55	011988
2105 Lg-12	12	262	68	011995

2105 LG Offset screwdriver set

Made in Germany

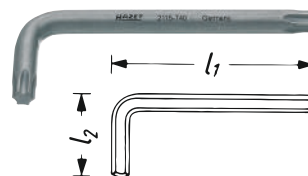
- Extra long design
- With ball-head
- Plastic tool holder



HAZET No.		EAN-No. 4000896+
2105 LG • O		
1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		
2105 Lg/9 H	9	012015
2105 ALG • O		
0.05 1/16 • 5/64 • 3/32 • 1/8 • 5/32 • 3/16 • 7/32 • 1/4 • 5/16		
2105 A Lg/10 H	10	083749

2115 Offset screwdriver

Made in Germany



HAZET No.	l1 mm	l2 mm	mm	EAN-No. 4000896+
2115-T 6	44.5	18.5	1.67	012220
2115-T 7	50.5	18.5	1.99	012244
2115-T 8	51	19	2.31	012251
2115-T 9	51	19	2.50	012268
2115-T 10	54	20	2.74	012121
2115-T 15	57.5	21.5	3.27	012138
2115-T 20	61	23	3.86	012145
2115-T 25	64.5	24.5	4.43	012152
2115-T 27	69.5	26.5	4.99	012169
2115-T 30	76	30	5.52	012176
2115-T 40	83	33	6.65	012183
2115-T 45	91	37	7.82	012190
2115-T 50	104	41	8.83	012206
2115-T 55	120	47	11.22	012213
2115-T 60	134	52	13.25	012237



Hand tools

Screwdrivers / Bits



2115 Offset screwdriver set

Made in Germany



HAZET
No.



EAN-No.
4000896+

2115 •
T 8 • T 10 • T 15 • T 20 • T 25 • T 30 • T 40
2115-T/7 R 7

012114

Made in Germany



HAZET
No.



EAN-No.
4000896+

2115 •
T 7 • T 8 • T 9 • T 10 • T 15 • T 25 • T 27
T 30 • T 40 • T 45 • T 50 • T 55 • T 60
2115-T/13 P 13

012107

2115 Offset screwdriver set

Made in Germany

- Plastic hinged tool holder
- T 9 T 10 T 15 T 20
T 25 T 27 T 30 T 40



HAZET
No.



EAN-No.
4000896+

2115/8 KH

8

072583

2116 LG Offset screwdriver set

Made in Germany

- With ball-head
- Plastic tool holder
- T 9 T 10 T 15 T 20
T 25 T 27 T 30 T 40



HAZET
No.



EAN-No.
4000896+

2116 Lg/8 H

8

051519





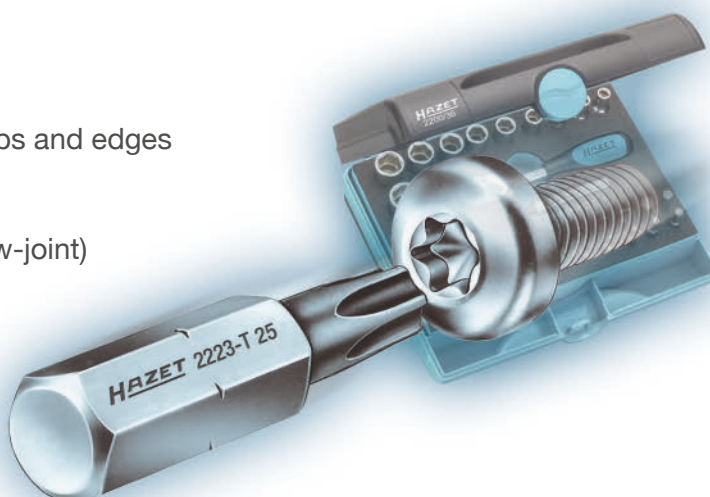
At a glance

The HAZET bit range

	Description	Profile	6.3 1/4"	8 5/16"
	Screwdriver bit Slot		2208 4-8	2210 5,5-12
	Screwdriver bit Cross recess PH		2215 PH 1-PH 4	2217 PH 1-PH4
	Screwdriver bit Cross recess PZ (Pozidriv)		2216 PHZ 1-PZ 3	2218 PZ 1-PZ 4
	Screwdriver bit Inside hexagon		2204 2-8	2206 5-10
	Screwdriver bit Internal serration (XZN)		2211 4-5	2212 6-10
	Screwdriver bit Inside TORX		2223 T 6-T 40	2224 T 25-T 55
	Screwdriver bit long Inside TORX		2223 T 25-T 30	2224 S Lg T 30-T 50
	Screwdriver bit Tamper TORX		2223 T 7 H-T 40 H	
	Screwdriver bit Inside 5-star bits with pin		2225 10 H-40 H	

Bits and accessories

- Special purpose steel for the highest demands
- High-precision, close-tolerance fabrication of tips and edges
- For electric and pneumatic power screwdrivers as well as for manual operation
- Tough and hard for threaded screws (hard screw-joint)
- Permanent hardness of 59 – 61 HR C for high demands in trade and industry
- High torque values, well above the DIN standard, over a long service life





Hand tools

Screwdrivers / Bits



863 Bit set

Made in Germany

• With solid reversible ratchet 863 MBIT





2208 Bit

Made in Germany

- Hexagon drive ISO 1173 C6.3 (1/4"), ISO 2351-1 - C 6.3



HAZET No.	$\frac{1}{4}$ mm	$\frac{3}{8}$ mm	l mm	EAN-No. 4000896+
2208- 4	4	0.5	25	014361
2208- 6	4.5	0.6	25	014385
2208- 8	5.5	0.8	25	014408
2208- 9	6	1	25	014415
2208-10	6.5	1.2	25	014323
2208-11	8	1.2	25	014347

2215 Bit

Made in Germany

- Hexagon drive ISO 1173 C6.3 (1/4"), ISO 2351-2 - C 6.3



+ = Reinforced design

* = Not according to ISO 2351-2

HAZET No.	l mm	EAN-No. 4000896+
2215-PH 1	25	014491
2215-PH 2	25	014521
2215-PH 3	25	014569
2215-PH 4 + *	32	014583

2216 Bit

Made in Germany

- Hexagon drive similar to ISO 1173 C6.3 (1/4")



HAZET No.	l mm	EAN-No. 4000896+
2216-PZ 1	25	014606
2216-PZ 2	25	014613
2216-PZ 3	25	014620

2223 Bit

Made in Germany

- Hexagon drive ISO 1173 C6.3 (1/4")



HAZET No.	$\frac{1}{4}$ mm	l mm	EAN-No. 4000896+
2223-T 6	1.67	25	015023
2223-T 7	1.99	25	015030
2223-T 8	2.31	25	015047
2223-T 9	2.50	25	015054
2223-T 10	2.74	25	014866
2223-T 15	3.27	25	014880
2223-T 20	3.86	25	014903
2223-T 25	4.43	25	014934
2223-T 27	4.99	25	014958
2223-T 30	5.52	25	014972
2223-T 40	6.65	25	014996

2223 LG Bit

Made in Germany

- Long design
- Hexagon drive similar to ISO 1173 C6.3 (1/4")



HAZET No.	$\frac{1}{4}$ mm	l mm	EAN-No. 4000896+
2223 Lg-T 25	4.43	65	015061
2223 Lg-T 30	5.52	70	015092

2223 Bit

Made in Germany

- Hexagon drive ISO 1173 C6.3 (1/4")



HAZET No.	$\frac{1}{4}$ mm	l mm	EAN-No. 4000896+
2223-T 7 H	1.99	25	058082
2223-T 8 H	2.31	25	058099
2223-T 9 H	2.50	25	058105
2223-T 10 H	2.74	25	014873
2223-T 15 H	3.27	25	014897
2223-T 20 H	3.86	25	014910
2223-T 25 H	4.43	25	014941
2223-T 27 H	4.99	25	014965
2223-T 30 H	5.52	25	014989
2223-T 40 H	6.65	25	015009

2204 Bit

Made in Germany

- Hexagon drive ISO 1173 C6.3 (1/4"), ISO 2351-3 - C 6.3



* = Not according to ISO 2351-3

HAZET No.	S mm	l mm	EAN-No. 4000896+
2204-2	2	25	014149
2204-2.5	2.5	25	014156
2204-3	3	25	014163
2204-4	4	25	014170
2204-5	5	25	014187
2204-6	6	25	014200
2204-7 *	7	25	151332
2204-8 *	8	25	014217

2211 Bit

Made in Germany

- DIN 65254



HAZET No.	M	l mm	EAN-No. 4000896+
2211-4	4	25	056392
2211-5	5	25	056408

2225 5-star bit

Made in Germany

- For the operation of inside 5-star screws with pin
- Hexagon drive ISO 1173 C6.3 (1/4")



HAZET No.	l mm	EAN-No. 4000896+
2225-10 H	25	097043
2225-15 H	25	097050
2225-20 H	25	097067
2225-25 H	25	097074
2225-27 H	25	097081
2225-30 H	25	097098
2225-40 H	25	097104



Hand tools

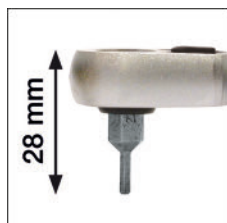
Screwdrivers / Bits



863 Reversible ratchet for bits, short

Made in Germany

- HAZET 2-component handle
- Number of teeth: 20 (Opening angle 18°)
- With locking spring
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
863 BK	95	158225

863 Reversible ratchet, solid steel, for bits

Made in Germany

• 89 mm short style



- Sturdy design in short, slim form
- Ergonomic finger support on the end of the handle
- Number of teeth: 20 (Opening angle 18°)
- Angled at 15° to reduce risk of entrapment
- With locking spring
- Surface: chrome-plated

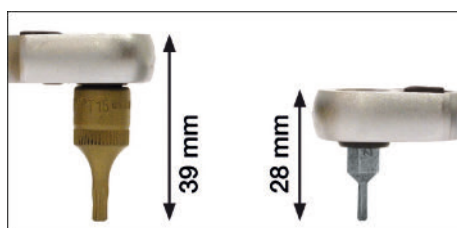


HAZET No.	l mm	EAN-No. 4000896+
863 M BIT	89	196111

2264 Reversible ratchet for bits

Made in Germany

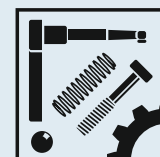
- HAZET 2-component handle
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
2264	115	015887

Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

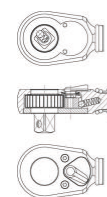


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

863 Replacement set

Made in Germany



HAZET No.	EAN-No. 4000896+
Replacement set for shift lever consisting of: shift lever, pawl, screws, ball, compression spring for 863 K, 863, 863 G, 863 P, 863 PC, 863 Q, 863 S, 863 ST, 863 BGL, 863 BKC, 863 BK, 863 MC, 863 Mbit, 2264	
863 P/6	144600
Replacement set for ratchet wheel $\varnothing 6.3 = 1/4"$ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 BGL, 863 BKC, 863 BK, 863 MBit, 2264	
2264/7	015917

810 SPC Bit holder

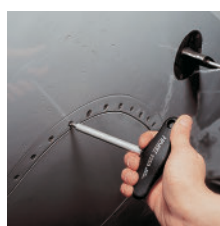
- With magnet
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: matt chrome-plated



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
810 SPC-6.3	100	210	165827

2253 Bit holder

- With permanent magnet
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
2253	135	015559



2255 Bit holder

Made in Germany

- With permanent magnet



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2255	80	190	015566

Made in Germany

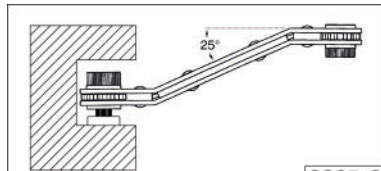
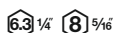
- Flexible shaft



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2255-1	200	310	050079

2265 Reversible ratchet for bits

- For bits with drive $\odot 6.3 = \frac{1}{4}"$, and $\odot 8 = \frac{5}{16}"$
- With magnetic bit retention
- Surface: bright chrome-plated



2265-2



HAZET No.	l mm	EAN-No. 4000896+
• Straight design		
2265-1	140	079636
• Angled design		
2265-2	137	076253

2239 Adapter

Made in Germany



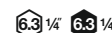
- With magnetic bit retention ensuring a safe grip of bits and screws
- Stainless steel socket
- Hexagon drive burnished
- DIN 7427-B, Connection according to ISO 1173
- For drilling machines and cordless screwdrivers
- $\odot 6.3 = \frac{1}{4}"$ $\bullet C 6.3$ mm



HAZET No.	l mm	EAN-No. 4000896+
2239-1	60	015375

2239 Adapter

Made in Germany

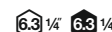


- With magnetic bit retention ensuring a safe grip of bits and screws
- Stainless steel socket
- Hexagon drive burnished
- DIN 7427-B, Connection according to ISO 1173
- For power screwdrivers
- $\odot D 6.3 = \frac{1}{4}"$ $\bullet E 6.3$ mm
- e.g. AEG, Atlas Copco, Black & Decker, Bosch



HAZET No.	l mm	EAN-No. 4000896+
2239-3	75	015399

Made in Germany



- With magnetic bit retention ensuring a safe grip of bits and screws
- Hexagon drive burnished
- DIN 7427-B, Connection according to ISO 1173



HAZET No.	l mm	EAN-No. 4000896+
2239-6	51.4	141418

2304 Adapter

Made in Germany

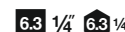
- Surface: phosphatised, oiled



HAZET No.	l mm	EAN-No. 4000896+
• Adapter $\blacksquare 6.3 = \frac{1}{4}"$ – $\bullet 6.3 = \frac{1}{4}"$		
2304	25	016020
• Adapter $\blacksquare 12.5 = \frac{1}{2}"$ – $\bullet 10 = \frac{3}{8}"$		
2311	38	016068

2238 Adapter

Made in Germany



- For the connection of sockets
- $\square 6.3 = \frac{1}{4}"$ (DIN 3120 – A 6.3) and operating tools with drive $\odot 6.3 = \frac{1}{4}"$, (ISO 1173-E 6.3)
- With ball retention
- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
2238-1	50	063741

2250 Adapter

Made in Germany



HAZET No.	l mm	EAN-No. 4000896+
• $\odot 6.3 = \frac{1}{4}"$ – $\square 6.3 = \frac{1}{4}"$		
2250-1	23.5	015443
• $\odot 6.3 = \frac{1}{4}"$ – $\square 10 = \frac{3}{8}"$		
2250-2	30	015450
• $\odot 6.3 = \frac{1}{4}"$ – $\square 12.5 = \frac{1}{2}"$		
2250-4	35	015504



Hand tools

Screwdrivers / Bits



2272 Impact bit screwdriver set

- For impact loosening and tightening tight screw connections     
- Switchable (right- and left-hand threads)
- Pretension impact screwdriver by rotating the handle left (loosening or right-hand thread) or right (tightening or left-hand thread) before every impact. Hit the head section of the impact screwdriver with a 300 g hammer
- No electricity, pressurised air or other resources needed



2206 •  • 
5 • 6 • 8 • 10

2217 •  • 
PH 2 • PH 3 • PH 4

2272 • 

2210 •  • 
0.8x5.5 • 1x5.5 • 1.2x6.5
1.6x8 • 2x12

2224 •  • 
T 30 • T 40 • T 45 • T 50

HAZET No.	L x W x H mm		EAN-No. 4000896+
2272/23 N	185x153x52	23	192687

2210 Bit

 **Made in Germany**

- Hexagon drive ISO 1173 C8 ($\frac{5}{16}$ "), ISO 2351-1 - C 8



HAZET No.	$\frac{1}{4}$ mm	$\frac{1}{2}$ mm	l mm	EAN-No. 4000896+
2210- 8	5.5	0.8	41	014477
2210- 9	5.5	1	41	014484
2210-10	6.5	1.2	41	014422
2210-12	8	1.6	41	014446
2210-14	12	2	41	014460

2217 Bit

 **Made in Germany**

- Hexagon drive ISO 1173 C8 ($\frac{5}{16}$ "), ISO 2351-2 - C 8



+ = Reinforced design

HAZET No.	l mm	EAN-No. 4000896+
2217-PH 1	32	014651
2217-PH 2	32	014668
2217-PH 3	32	014682
2217-PH 4 +	38	014699

2218 Bit

 **Made in Germany**

- Hexagon drive similar to ISO 1173 C8 ($\frac{5}{16}$ ")



+ = Reinforced design

HAZET No.	l mm	EAN-No. 4000896+
2218-PZ 1	32	014705
2218-PZ 2	32	014712
2218-PZ 3	32	014729
2218-PZ 4 +	38	014736

2224 Bit

 **Made in Germany**

- Hexagon drive ISO 1173 C8 ($\frac{5}{16}$ ")



HAZET No.	 mm	l mm	EAN-No. 4000896+
2224-T 25	4.43	35	015115
2224-T 27	4.99	35	015122
2224-T 30	5.52	35	015139
2224-T 40	6.65	35	015160
2224-T 45	7.82	35	015177
2224-T 50	8.83	35	015184
2224-T 55	11.22	35	015191

2224 SLG Bit

 **Made in Germany**

- Long design
- Hexagon drive ISO 1173 C8 ($\frac{5}{16}$ ")



HAZET No.	 mm	l mm	EAN-No. 4000896+
2224 S Lg-T 30	5.52	100	015245
2224 S Lg-T 40	6.65	100	015252
2224 S Lg-T 45	7.82	100	015269
2224 S Lg-T 50	8.83	100	015283

2206 Bit

 **Made in Germany**

- Hexagon drive ISO 1173 C8 ($\frac{5}{16}$ "), ISO 2351-3 - C 8



* = Not according to ISO 2351-3

HAZET No.	S mm	l mm	EAN-No. 4000896+
2206- 5	5	30	014262
2206- 6	6	30	014279
2206- 7	7	30	151349
2206- 8	8	30	014286
2206-10 *	10	30	014255



2212 Bit

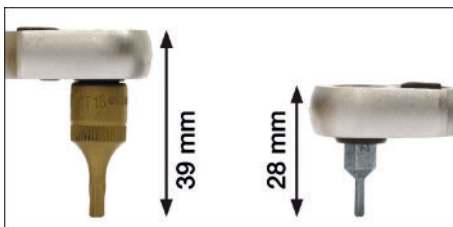
- Made in Germany
- DIN 65254



HAZET No.	M	l mm	EAN-No. 4000896+
2212- 6	6	32	056415
2212- 8	8	32	056422
2212-10	10	32	056439

2264 Reversible ratchet for bits

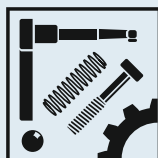
- Made in Germany
- Surface: chrome-plated, polished



HAZET No.	l mm	EAN-No. 4000896+
2264-1	200	015894

Wear? – No problem!

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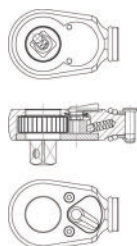


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set

- Made in Germany



8816 Replacement set

HAZET No.

EAN-No. 4000896+

Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, pawl for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST 916 K, 2264-1, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1, 6402-1 S, 6408-1

8816 P/6

144617

Replacement set for ratchet wheel $\bigcirc 8 = \frac{5}{16}"$ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 2264-1, 6408-1

2264-1/7

015900

2272 Impact screwdriver

- For impact loosening and tightening tight screw connections
- Up to 80 Nm loosening and tightening torque
- Switchable (right- and left-hand threads)
- Pretension impact screwdriver by rotating the handle left (loosening or right-hand thread) or right (tightening or left-hand thread) before every impact. Hit the head section of the impact screwdriver with a 300 g hammer
- No electricity, pressurised air or other resources needed



HAZET No.	l mm	EAN-No. 4000896+
2272	165	015979

8808 S Impact adapter

- Made in Germany

- For impact sockets with $\square 10 = \frac{3}{8}"$
- With locking pin
- Surface: steel grey, oiled



HAZET No.	l mm	EAN-No. 4000896+
8808 S-1	75	040032

2250 Adapter

- Made in Germany



HAZET No.	l mm	EAN-No. 4000896+
2250-3	31	015474
2250-5	36	015511

$\bigcirc 8 = \frac{5}{16}" - \square 10 = \frac{3}{8}"$

$\bigcirc 8 = \frac{5}{16}" - \square 12.5 = \frac{1}{2}"$



Hand tools

Pliers



Pliers



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The surface of the HAZET pliers

Top quality for a long service life

Bright chrome-plated



- Resistant to tarnishing
- Resistant to air, water, diluted acids and most alkalis
- Protection against corrosion and wear
- Elegant appearance

Polished and sand-blasted



- Non-glaring
- Increased scratch resistance, therefore longer service life

The handles

Ergonomically shaped



- ① Maximum safety with slip protection
- ② 2-component handle – excellent touch and feel with hard and soft zones distributed throughout
- ③ Ergonomically shaped – therefore free of fatigue in continuous operation

The wire classes

Cutting values according to DIN ISO 5744:

Material examples	Wire hardness	Tensile strength N/mm ²		
	Medium-hard	approx. 800	Nail, wire pin	
	Hard wire	approx. 1600	Steel wire, cable fibre	
	Piano wire	approx. 2300	Spring steel wire	



Hand tools

Pliers



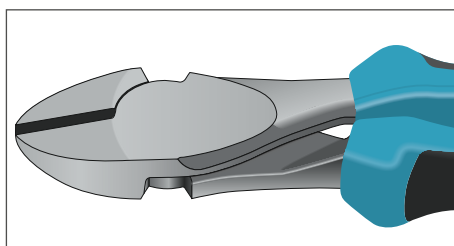
Pictogram key

	For flat material on pliers
	For round material on pliers
	Centre cutter
	Flush cutter

	Round nose pliers
	Flat nose pliers
	Snipe nose pliers

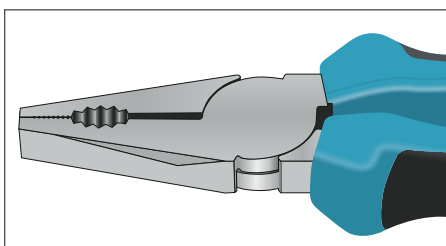
Small HAZET pliers 1x1

Joint types



Lay-on slip joint:

Here the two halves of the pliers sit on top of each other without special elaboration.



Lap joint:

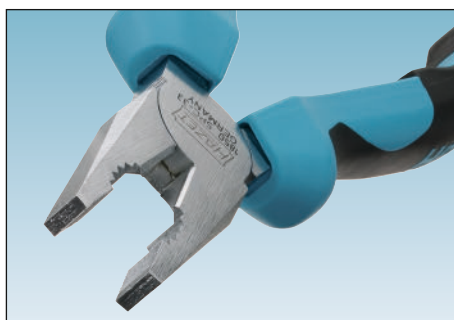
Here each shank of the pliers is wrought as far as half way inside the joint area in such a way that both shanks sit optimally inside each other



Box joint:

Here one half of the pliers shank is slotted so that the other half can be pushed through with an exact fit. Advantage: with the two-sided mounting of the joint bolt and the double guidance of the pliers' inside shank, this joint connection can withhold high loads.

Jaw forms



Flat



Snipe nose



Obtusely curved

Gripping area

- Chequered in accordance with DIN ISO 5742





1850 Combination pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated
- DIN ISO 5746



HAZET No.	l mm	EAN-No. 4000896+
1850-22	170	007141
1850-33	190	007165

1850 M Combination pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Surface: polished, blasted
- DIN ISO 5746



HAZET No.	l mm	EAN-No. 4000896+
1850 M-22	160	145034
1850 M-33	180	144747

1851 Heavy-duty combination pliers

Made in Germany

- Optimum leverage ratio due to small distance between joint and cutting edges

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Surface: chrome-plated, head high gloss
- DIN ISO 5746



HAZET No.	l mm	EAN-No. 4000896+
1851-44	210	055081

1851 M Heavy-duty combination pliers

Made in Germany

- Optimum leverage ratio due to small distance between joint and cutting edges

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Surface: polished, blasted
- DIN ISO 5746



HAZET No.	l mm	EAN-No. 4000896+
1851 M-44	200	144914

1803 Diagonal cutter

Made in Germany

- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 62 HRC
- Surface: bright chrome-plated
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² ○ 800	Rm N/mm ² ● 1600	EAN-No. 4000896+
1803-11	145	2.5	1.8	093854
1803-22	165	2.8	2	006106

1803 M Diagonal cutter

Made in Germany

- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 62 HRC
- Surface: polished, blasted
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² ○ 800	Rm N/mm ² ● 1600	EAN-No. 4000896+
1803 M-11	145	2.5	1.8	145218
1803 M-22	165	2.8	2	144945
1803 M-33	180	3	2.5	145225

1802 Heavy-duty diagonal cutters

Made in Germany

- Optimum leverage ratio due to small distance between joint and cutting edges

- Forged design
- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Surface: bright chrome-plated
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² ○ 800	Rm N/mm ² ● 1600	Rm N/mm ² ● 2300	EAN-No. 4000896+
1802-11	160	3.5	2.5	2	006038
1802-22	180	3.8	2.7	2.2	006052
1802-33	200	4.2	3	2.5	006076

1802 M Heavy-duty diagonal cutters

Made in Germany

- Optimum leverage ratio due to small distance between joint and cutting edges

- Forged design
- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Surface: polished, blasted
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² ○ 800	Rm N/mm ² ● 1600	Rm N/mm ² ● 2300	EAN-No. 4000896+
1802 M-11	160	3.5	2.5	2	144730
1802 M-22	180	3.8	2.7	2.2	144525
1802 M-33	200	4.2	3	2.5	144938

1804 N High-leverage diagonal cutter

Made in Germany

- Performance class H (piano wire, hardened steel wire)
- Leverage **reduces force expenditure by 40%**
- With opening spring and locking
- Handles with dip coating
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- DIN ISO 5747



HAZET No.	l mm	Rm N/mm ² ○ 800	Rm N/mm ² ● 1600	Rm N/mm ² ● 2300	EAN-No. 4000896+
1804 N-2	160	3	2.7	2.2	086276



Hand tools

Pliers



Pliers for Electricians (VDE)

See chapter VDE- / Tools
for Electricians page 266



1841 A Snipe nose pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated
- DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 a-22	165	006366
1841 a-33	205	006380

1841 MA Snipe nose pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Surface: polished, blasted
- DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 M a-11	145	145232
1841 M a-22	165	144754
1841 M a-33	205	144877

1841 B Snipe nose pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Flat round shape, induction-hardened cutting edges
- Obtusely curved (45°)
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated
- DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 b-33	200	006434

1841 MB Snipe nose pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Flat round shape, induction-hardened cutting edges
- Obtusely curved (45°)
- Cutting edge hardness: 60 HRC
- Surface: polished, blasted
- DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 M b-33	200	144891

1841 A Flat nose pliers

Made in Germany

- Extra long style

- Handles with dip coating
- Flat round shape



HAZET No.	l mm	EAN-No. 4000896+
1841 A-280	280	051489
1841 B-280	280	051694

1816 Flat nose pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Flat form
- Straight design
- Surface: bright chrome-plated
- Functional dimensions according to DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1816-22	160	006274

1849 Spark plug socket pliers

Made in Germany

- Especially suitable for hot terminals

- Application: For installing and removing **spark plug sockets**
- With side cutter
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849	195	007080

Made in Germany

- Safe application due to milled jaw profile

- Application: For installing and removing straight **spark plug sockets**
- Especially on **MERCEDES-BENZ**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-1	200	128037



1849 Spark plug socket pliers

Made in Germany

• Long style provides a better safety distance to the hot engine

- Application: For installing and removing straight **spark plug sockets**
- Especially for **deeply located spark plug sockets**, e.g. on **AUDI V6** and **V8 engines**, **JAGUAR 12 cyl.**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-2	290	007103

Made in Germany

• Especially suitable for hot terminals

- Application: For installing and removing **spark plug sockets**
- Long style
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-3	265	055098

1810 End cutting / tower pincers

Made in Germany

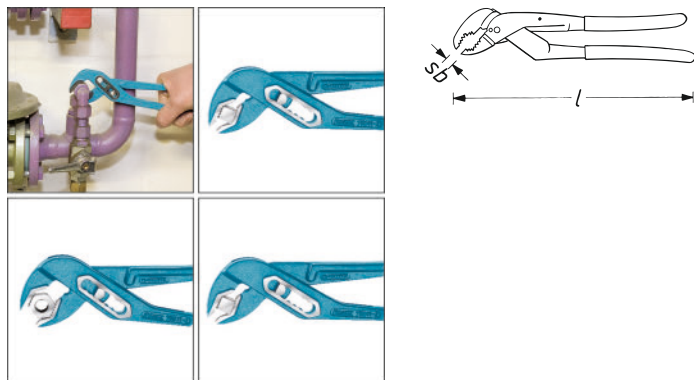
- Cutting edge hardness: 61 HRC
- DIN ISO 9242



HAZET No.	l mm	Rm N/mm ² Ø 800	Rm N/mm ² Ø 1600	EAN-No. 4000896+
1810-250	250	3.5	2	006236

759 N Universal pliers

- Water pump pliers
- Jaw and joint polished
- Box joint
- Surface: lacquered blue
- DIN ISO 8976

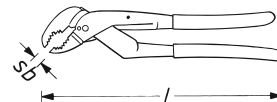


HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
759 N-1	175	25	5-31	151257
759 N-2	250	30	6-35	030415

760 N Universal pliers

Made in Germany

- Relief-milled guide flutes
- Jaws induction hardened
- Fluted lay-on slip joint
- Surface: chrome-plated
- DIN ISO 8976



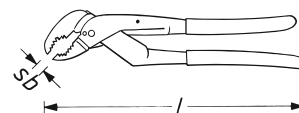
HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
760 N-1	180	30	45	030460
760 N-2	260	50	65	030484
760 N-3	310	65	80	030514
760 N-4	415	110	120	030538

760 Universal pliers

Made in Germany

• With quick-adjust lever: "Fits all your needs – ...it all depends on the right lever!"

- Comfortable quick adjustment thanks to **tip/step lever function**
- **Adjustment without re-gripping** – one-hand actuation possible
- A maximum clamping range of up to 50 mm width across flats makes these HAZET pliers some of the largest in their class
- The integral clamping protection prevents injuries (e.g. crushing)
- Handles with dip coating
- DIN ISO 8976



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
760-2	260	50	50	188451
Special version for left-handed people				
760 L-2	260	50	50	191291



YouTube Clip



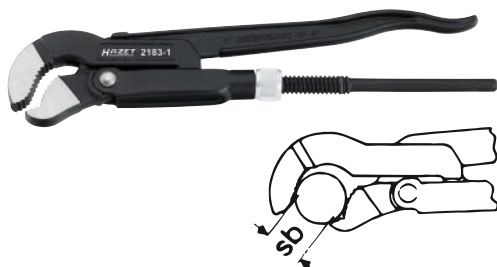
Hand tools

Pliers



2183 Swedish pattern wrench

- Swedish pattern
- Self-locking, safe and firm grip even of smooth tubes due to 3-point tensioning
- Application on nuts and tubes, 25 mm = 1" – 37 mm = 1 1/2" – 50 mm = 2"
- Handles with double-T-section profile
- Slim, S-shaped jaws, 45° angle
- Induction-hardened teeth offset against direction of rotation
- Forged design
- Surface: powder coated, polished jaws
- DIN 5234

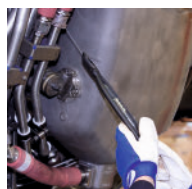


HAZET No.	l mm	sb mm	EAN-No. 4000896+
2183-1.5	416	46	013753
2183-2	535	65	013760

1811 Wire twisters

- With side cutter and serrated jaws

- Right-hand drive
- Bevelled at 30°
- For wires up to 1.6 mm Ø
- Solid metal design
- Head polished



HAZET No.	l mm	EAN-No. 4000896+
1811-250	250	078936

1845 A Circlip pliers

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body – extremely resilient metal core extends far into the pliers' shanks – light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Straight design (form A)
- For outside lockings
- DIN 5254



1845 A Circlip pliers

HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1845 A- 3	3–10	140	0.9	048663
1845 A-10	10–25	140	1.3	048670
1845 A-19	19–60	180	1.8	048687

1845 B Circlip pliers

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body – extremely resilient metal core extends far into the pliers' shanks – light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Tips bent 90° (form B)
- For outside lockings



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1845 B- 3	3–10	130	0.9	048694
1845 B-10	10–25	130	1.3	048700
1845 B-19	19–60	172	1.8	048717

1845 C Circlip pliers

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body – extremely resilient metal core extends far into the pliers' shanks – light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Straight design (from C)
- For inside lockings
- DIN 5256



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1845 C- 8	8–11	140	0.9	048724
1845 C-12	12–25	140	1.3	048731
1845 C-19	19–60	180	1.8	048748



1845 D Circlip pliers

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body
 - extremely resilient metal core extends far into the pliers' shanks
 - light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Tips bent 90° (form D)
- For inside lockrings



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1845 D- 8	8–11	133	0.9	048755
1845 D-12	12–25	133	1.3	048762
1845 D-19	19–60	170	1.8	048779

1845 Circlip pliers set

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body
 - extremely resilient metal core extends far into the pliers' shanks
 - light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- DIN 5254



1845 A	1845 B	1845 C	1845 D
1845 A-10	1845 B-10	1845 C-8	1845 D-8
1845 A-19	1845 B-19	1845 C-19	1845 D-19

HAZET No.	mm	EAN-No. 4000896+
1845/8	8	048656

Made in Germany

- Safe and fast working
- Firmer hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatised)
- Solid plastic body
 - extremely resilient metal core extends far into the pliers' shanks
 - light-weight – ergonomically shaped
- With readjusting spring
- Twist-safe, tips are welded to the solid metal core
- DIN 5254



1845 Circlip pliers set



1845 A-19



1845 B-19



1845 C-19



1845 D-19

HAZET No.	mm	EAN-No. 4000896+
1845/4	4	184132

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

1/3				
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1845 A-19



1845 B-19



1845 C-19



1845 D-19

HAZET No.	W x D mm	mm	EAN-No. 4000896+
163-124/4	342x172	4	153602

1846 A Circlip pliers

Made in Germany

- Cylindrical tips worked out in optimal angle
- Exactly defined, extra stable cone tips
- Safe fit of the locking
- Electrothermic hardening and tempering
- Straight design (from C)
- For inside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5256 form C



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 a-0	8–13	139	0.9	006793
1846 a-1	12–25	140	1.3	006809
1846 a-2	19–60	180	1.8	006816
1846 a-3	40–100	225	2.3	006823
1846 a-4	85–140	310	3.2	006830

1846 B Circlip pliers

Made in Germany

- Tips bent 90° (form D)
- For inside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5256 form D



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 b-0	8–13	139	0.9	006847
1846 b-1	10–25	140	1.3	006854
1846 b-2	19–60	180	1.8	006861
1846 b-3	40–100	225	2.3	006878
1846 b-4	85–165	310	3.2	006885



Hand tools

Pliers



1846 C Circlip pliers

Made in Germany

- Straight design (form A)
- For outside lockings
- Surface: chrome-plated, tip steel grey
- DIN 5254 form A



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 c-0	3– 10	139	0.9	006892
1846 c-1	10– 25	140	1.3	006908
1846 c-2	19– 60	180	1.8	006915
1846 c-3	40–100	225	2.3	006922
1846 c-4	85–140	310	3.2	006939

1846 D Circlip pliers

Made in Germany

- Tips bent 90° (form B)
- For outside lockings
- Surface: chrome-plated, tip steel grey
- DIN 5254 form B



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 d-0	3– 10	139	0.9	006946
1846 d-1	10– 25	140	1.3	006953
1846 d-2	19– 60	180	1.8	006960
1846 d-3	40–100	225	2.3	006977
1846 d-4	85–140	310	3.2	006984

1846 A Circlip pliers

Made in Germany

Quick-releasing locking mechanism for holding the respective removal or installation position

- Shanks made of sheet steel
- Tips tempered, screwed, replaceable
- Straight design (from C)
- For inside lockings
- Surface: powder coated



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
• Straight jaws for inside lockings (bore holes)				
1846 a-5	122–300	545	3.5	081271
• Replacement tips, straight				
• For 1846 a-5				
1846 a-05/2	–	–	–	081288
Conversion tips, bent at 90°, to convert the Pliers 1846 a-5				
1846 b-05/2	–	–	–	081318

1846 B Circlip pliers

Made in Germany

- With long bent jaws (90°)

- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Jaws curved 90°
- Surface: chrome-plated



1846 B Circlip pliers

HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 b-1.6	12–30	195	1.5	061457

1846 C Circlip pliers

Made in Germany

- Shanks made of sheet steel
- Tips tempered, screwed, replaceable
- Straight design (form A)
- For outside lockings
- Surface: powder coated



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
• Straight jaws for outside lockings (shafts)				
1846 c-5	122–300	538	3.5	081332
• Replacement tips, straight				
• For 1846 c-5				
1846 c-05/2	–	–	–	081349
Conversion tips, bent at 90°, to convert the pliers 1846 c-5				
1846 d-05/2	–	–	–	081370

1847 Circlip pliers

Made in Germany

- Jaws bent 90°, tips chequered
- For outside lockings
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-2	200	007011

Made in Germany

- For homocinetic joint or drive shaft
- Jaws bent 10°, tips chequered
- For outside lockings
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-3	200	007028



1847 Circlip pliers

Made in Germany

- Jaws bent 30°
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-6	200	050468

Made in Germany

- Jaws bent 30°
- Surface: chrome-plated

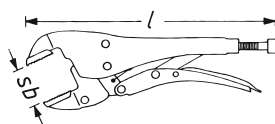


HAZET No.	l mm	EAN-No. 4000896+
1847-61	200	058761

757 Grip pliers

Made in Germany

- Half-round jaws
- Quick-release lever
- With wirecutter
- Surface: nickel-plated



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
757- 5	142	25	0-30	062300
757- 7	178	20	8-35	030347
757-10	230	50	6-50	030293
757-12	300	30	10-65	030323

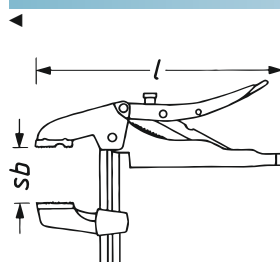
753 Grip pliers

Made in Germany

- For small round parts and bulky work pieces
- Parallel grip jaws – clamping function
- One-sided prismatic groove
- Long guide pin
- Quick-release lever
- Surface: nickel-plated



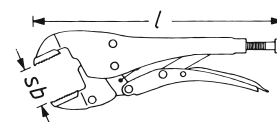
753 Grip pliers



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
753-2	260	200	5-75	030231

Made in Germany

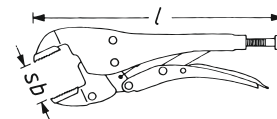
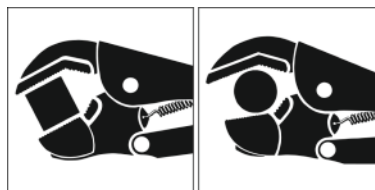
- Straight jaws – for flat material
- Quick-release lever
- Surface: nickel-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
753-10	250	40	030200

Made in Germany

- One jaw straight, one half-round, with one swivel jaw for flat and asymmetrical material
- Surface: nickel-plated

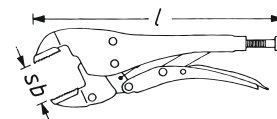


HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
753-10 S	250	45	16-45	030217

758 Grip pliers

Made in Germany

- Malleable iron jaws – extremely heat-resistant – especially resistant to welding bead deposits
- Quick-release lever
- Jaw angle 90°
- Surface: nickel-plated



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
758-1	280	51	35-70	030361



Hand tools

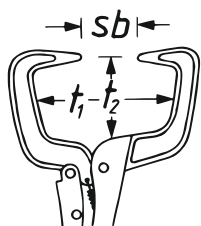
Pliers



758 Grip pliers

Made in Germany

- Quick-release lever
- Surface: nickel-plated

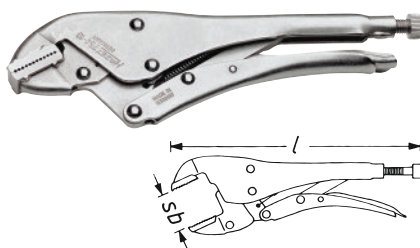


HAZET No.	l mm	sb mm	st mm	EAN-No. 4000896+
758-2	280	90	95-77	030378

754 Grip pliers, parallel

Made in Germany

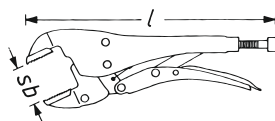
- Straight jaws
- Surface: nickel-plated



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
754-10	250	50	50	030248

755 Grip pliers, self-adjusting

- One-handed use and automatic adjustment
- Variable adjustment of jaw pressure
- Easy and safe release – the jaws are locked until the release lever is pressed
- Cam mechanism – allows automatic adjusting of the pliers to any size when applying a constant jaw pressure
- With wirecutter
- Anti-slip surface



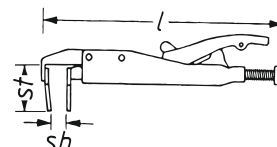
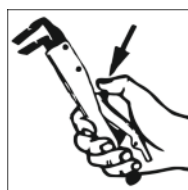
755 Grip pliers, self-adjusting

HAZET No.	l mm	sb mm	EAN-No. 4000896+
755- 6 A	161	0-32	126569
755- 7 A	192	0-44	126576
755-10 A	230	0-44	126590

752 Grip pliers

- Especially suitable for working with curves due to the slim design

- Gripping power works in axial direction
- Quick-release lever
- For working on U-beams and weld seams in the fold
- Surface: bright nickel-plated



HAZET No.	l mm	b mm	sb mm	st mm	EAN-No. 4000896+
752-2	205	18	15	18	030125

752 Micro-grip pliers

- One-hand operation possible
- Ergonomic design, 120 g light
- Smooth rounded edges
- Straight motion of the mobile jaw
- Brass screw for fine adjustment
- High-quality, tempered aluminium alloy



HAZET No.	l mm	sb mm	EAN-No. 4000896+
752-10	92	12	071920

798 Hose clamp pliers

Made in Germany

- Application: Simple hose clamps, e.g. on washing machines
- Rotating jaws – for areas with restricted access
- Surface: chrome-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798	206	40	031832



798 Hose clamp pliers

Made in Germany

• With locking device, adjustable jaw opening

- Application: Simple hose clamps
- Rotating jaws – for areas with restricted access
- Surface: chrome-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-1	285	45	031900

798 Hose clip pliers

Made in Germany

- Application: Reusable CLIC type hose clips on fuel lines
- For e.g. on VW, AUDI, VAUXHALL, PEUGEOT and ALFA
- Open and close easily by turning the pliers by 180°
- Fixed jaws, bent 90°



YouTube Clip

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-2	175	20	051397

798 Hose clamp pliers

Made in Germany

- Application: For clamping multi-use CLIC-type hose clips
- AUDI, VW, OPEL, PEUGEOT, SMART and MERCEDES-BENZ
- Open and close easily by turning the pliers by 180°
- Surface: nickel-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-3	206	35	102433

798 Hose clamp pliers

Made in Germany

- Application: Self-gripping spring band hose clamps
- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-4	205	35	031948

Made in Germany

- Application: For spring band hose clamps, e.g. on VW, AUDI and VAUXHALL
- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-5	210	6–40	031955

Made in Germany

- Application: For spring band hose clamps, 12 and 15 mm width, 13–22 mm Ø
- Rotating safety jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-6	235	39	031962

Made in Germany

- Self-adjusting joint allows easy working even on spring band hose clamps with large diameter

- Application: For self-gripping spring band hose clamps, 12 and 15 mm width

- With locking device
- Handles with dip coating
- Self-adjusting joint
- Rotating safety jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-8	290	45	076697



Hand tools

Pliers



798 Hose clamp pliers

🇩🇪 **Made in Germany**

- With locking device



- Application: Especially for spring band hose clamps **12 and 15 mm width** e.g. cooling and heating system
- Handles with dip coating
- Rotating jaws, bent 110° – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-9	250	60	072163

🇩🇪 **Made in Germany**

- With locking device



- Application: For spring band hose clamps – especially for **12 mm and 15 mm spring band hose clamps** e.g. on VAUXHALL, VW, FORD, RENAULT, FIAT, PEUGEOT, CITROËN, PORSCHE, ALFA-ROMEO, MERCEDES-BENZ, SMART

- Adjustable jaw opening
- Fixed jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-10	320	90	031917

🇩🇪 **Made in Germany**

- With locking device



- Application: Self-gripping spring band hose clamps
- Adjustable jaw opening
- Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-12	320	80	031931

798 Hose clamp pliers

🇩🇪 **Made in Germany**



- For use in areas with restricted access where the clamp cannot be reached straightforwardly

- Application: For the **operation of spring band hose clamps whose three ends fit directly on the hose**, e.g. on tank ventilation lines and fuel lines on VW, AUDI, SEAT and ŠKODA

- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-13	192	27	155248

🇩🇪 **Made in Germany**



- Application: For the operation of spring band hose clamps whose three ends fit tightly on the hose
- For e.g. on fuel lines and tank ventilation lines on VW, AUDI, SEAT, ŠKODA
- Surface: nickel-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-14	177	8–20	109128





798 Hose clamp pliers

Made in Germany



• Bowden cable (610 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible

• Application: Operation of self-gripping spring band and space-saving hose clamps sb 7–60 mm $\varnothing$, e.g. on the cooling and heating systems

• One-hand operation thanks to automatic toothed fixing device

• Newly developed sliding guide device with integrated tension spring and adjustable reversible plate

• Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 A	875	7–60	097258
Bowden cable for 798-15 A complete: bowden cable, coating, 2 headless screws, spring			
798-0151 A	–	–	097753
Bowden cable for 798-15 A and B			
798-0152 A	–	–	097760
Sliding guide device for 798-15 A and B			
798-0153 A	–	–	097784

Made in Germany



• Particularly suitable for areas with severely restricted access where the direct application of usual pliers is not possible

• Application: For the operation of self-gripping spring band and space-saving hose clamps on the cooling and heating system

• Plastic-coated, semi-flexible Bowden cable

• The Bowden cable enables working without a guiding hand

• Sliding guide device with integrated tension spring and adjustable reversible plate

• One-hand operation thanks to automatic toothed fixing device

• Handles with dip coating



798 Hose clamp pliers



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 B	875	7–60	117727
Flexible hose for 798-15 B			
798-0150 B	–	–	142439
Bowden cable for 798-15 A and B			
798-0152 A	–	–	097760
Sliding guide device for 798-15 A and B			
798-0153 A	–	–	097784

Made in Germany



• With reinforced Bowden cable and sliding guide device

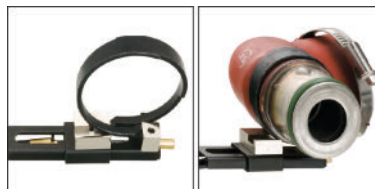
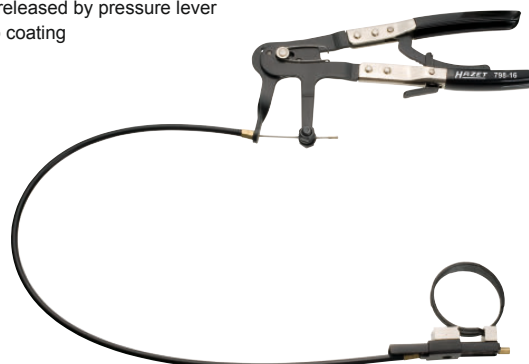
• Application: Especially suitable for hose clamp with parallel clamp ends, e.g. at the charge-air cooler connection on VW Passat or T5

• Bowden cable enables application in areas with restricted access

• With toothed fixing device and one-hand operation

• Fixing device is released by pressure lever

• Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-16	875	3–50	149032
• Bowden cable for 798-16			
798-0162	–	–	149056
• Sliding guide device for 798-16			
798-0163	–	–	149063

Made in Germany



• Application: For the operation of self-gripping space-saving hose clamps on coolant and fuel hoses in the entire vehicle area, in particular on VW, AUDI, SEAT, ŠKODA

• Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-17	210	40	186068



Hand tools

Pliers



Universal pliers 760-2 – Job well done – by HAZET!

 **Made in Germany**



HAZET hammer

More safety at work!

BluGuard:



Wedge



Higher flexibility strength thanks to surrounding angled stabilizing band

Steel handle protection sleeve: extra safety from HAZET

- Highest level of protection against handle breakage in case of mishits
- Higher flexibility strength thanks to surrounding angled stabilizing band
- HAZET steel handle protection sleeve guarantees maximum protection in case of mishits



BluGuard: HAZET steel handle protection sleeve after failures:

- No deformations
→ just small scratches
- Exact firm fit



Handle without steel handle protection sleeve:

- Extremely noticeable handle damage
- Shortened service life and high risk of handle breakage

BluGuard:

 **Made in Germany**



Hand tools

Hammer / Chisel / Center Punch



Engineer's hammer
BluGuard:



Sledge hammer



Machinist's hammer, British design



Club hammer
BluGuard:



Plastic soft-faced hammer



Plastic hammer



Rubber hammer



Copper hammer

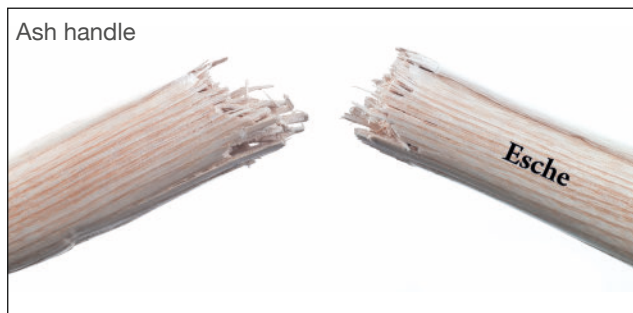
Hickory handle guarantees a high level of safety – why?

- Three to four times greater resilience safety compared with standard handles made from ash
- Long-fibre wood structure: even when damaged the handle is still held together, this guarantees significantly greater safety in the case of breakage
- Hammer heads will not fly off when the wooden handle is old
- Reduces vibration, extremely resistant to bending and durable

Hickory handle



Ash handle



Thanks to its long fibres, hickory wood holds the handle together even after breakages.



2140 BluGuard Engineer's hammer

Made in Germany

- Quality range A
- **Steel handle protection sleeve – Extra safety from HAZET**
 - Highest level of protection against handle breakage in the case of faults
 - Higher flexibility strength thanks to surrounding angled stabilising band
 - HAZET steel handle protection sleeve guarantees maximum protection in the case of faults
- Hickory handle
- DIN 1041



BluGuard



HAZET No.	l mm	g	EAN-No. 4000896+
2140- 20	280	200 g	196135
2140- 30	300	300 g	196142
2140- 40	310	400 g	196159
2140- 50	320	500 g	196166
2140- 80	350	800 g	196173
2140-100	360	1000 g	196180

2142 BluGuard club hammer

Made in Germany

- **Steel handle protection sleeve – Extra safety from HAZET**
 - Highest level of protection against handle breakage in the case of faults
 - Higher flexibility strength thanks to surrounding angled stabilising band
 - HAZET steel handle protection sleeve guarantees maximum protection in the case of faults
- Hickory handle
- With handle protection sleeve
- DIN 6475



BluGuard



HAZET No.	l mm	g	EAN-No. 4000896+
2142-1	260	1000 g	196227
2142-2	270	1250 g	196234
2142-3	280	1500 g	196241
2142-4	300	2000 g	196258

2139 Sledge hammer

Made in Germany

- Particularly safe thanks to double wedge (1 ring wedge + 1 wooden wedge)
- Hickory handle
- DIN 1042



HAZET No.	l mm	g	EAN-No. 4000896+
2139-1	600	3000 g	196197
2139-2	800	5000 g	196203
2139-3	900	8000 g	196210

2141 Machinist's hammer, English design

Made in Germany

- Round face and ball
- Hickory handle



HAZET No.	l mm	g	EAN-No. 4000896+
2141-0	290	½ lbs	012732
2141-3	360	1 – ½ lbs	012770
2141-4	380	2 lbs	012787

1953 Plastic hammer

Made in Germany

- **Non-rebound:** due to steel-ball filling in the centre part of the hammer head and the special material of impact heads
- Replaceable hammer heads made of polyurethane, non-spalling and non-crumbling
- Gentle and careful working
- Abrasion-proof, long service-life
- PVC handle, resistant to oil and gasoline
- Steel tube handle



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
1953-30	30	113	008636
1953-35	35	115	008650
1953-40	40	123	008667
1953-50	50	133	008681
1953-60	60	163	008698

1953 Spare head

Made in Germany

- Polyurethane, non-spalling and non-crumbling
- Cramp worn-out head in a vice and twist to remove.
- Use a hammer to bump on new head.



HAZET No.	Ø mm	EAN-No. 4000896+
Spare Heads (pair) for 1953-30		
1953-030	30	008575
Spare Heads (pair) for 1953-35		
1953-035	35	008582
Spare Heads (pair) for 1953-40		
1953-040	40	008599
Spare Heads (pair) for 1953-50		
1953-050	50	008612
Spare Heads (pair) for 1953-60		
1953-060	60	008629

1952 Plastic hammer

Made in Germany

- Replaceable Desmopan® heads with low rebound
- Joint-protecting, ergonomic handle
- Zinc-cast centre part with protective guide bush for the handle
- Ash handle



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
1952-28	28	269	008506
1952-35	35	290	008520
1952-40	40	317	008544
1952-50	50	342	008551



Hand tools

Hammer / Chisel / Center Punch



1952 Spare head

Made in Germany

- Made of extremely tough Desmopan® material
- To remove worn-out heads turn to the left.
- Bump on new head with a hammer or by pressure without turning.



HAZET No.	Ø mm	EAN-No. 4000896+
Spare heads (pair) for 1952-28		
1952-028	28	008391
Spare heads (pair) for 1952-35		
1952-035	35	008414
Spare heads (pair) for 1952-40		
1952-040	40	008438
Spare heads (pair) for 1952-50		
1952-050	50	008452

2143 Rubber hammer

- Made from tough hard rubber (90 shore), non-elastic, with strong impact
- Ash handle
- DIN 5128



HAZET No.	l mm	Ø mm	Weight	EAN-No. 4000896+
2143	320	Ø 54 mm x 90 mm	225 g	012794
2143-1	340	Ø 64 mm x 113 mm	520 g	196265
2143-2	380	Ø 74 mm x 127 mm	770 g	196272

1951 Plastic hammer, low rebound

Made in Germany

- Replaceable heads made from impact-resistant cellulose acetate
- Low rebound
- Ash handle



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
1951-27	27	265	196326
1951-32	32	280	196333
1951-35	35	290	196340
1951-40	40	320	196357
1951-50	50	340	196364

2144 Copper hammer

Made in Germany

- Hickory handle

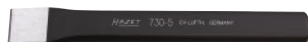


HAZET No.	l mm	Weight	EAN-No. 4000896+
2144-1	330	750 g	196289
2144-2	350	1000 g	196296
2144-3	360	1500 g	196302
2144-4	400	2000 g	196319

730 Flat chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
- Regrinding without rehardening
- Flattened oval shaft
- Surface: immersion-lacquered
- DIN 6453



730 Flat chisel

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
730-2	125	15	029563
730-3	150	18	029570
730-5	175	21	029594
730-6	200	24	029600
730-7	250	25	029617
730-8	300	26	029624

730 HS Hand guard

Made in Germany



HAZET No.	EAN-No. 4000896+
• Hand guard for flat chisel 730-6, 7 8 • Made of shock-resistant plastic	
730 HS	029631

731 Flat chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
- Regrinding without rehardening
- Octagonal shaft
- Surface: immersion-lacquered



HAZET No.	l mm	Ø mm	EAN-No. 4000896+
731-2	125	11	029648
731-5	150	15	029655

740 Cape chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
- Regrinding without rehardening
- Flattened oval shaft
- Surface: immersion-lacquered
- DIN 6451



HAZET No.	l mm	Ø mm	EAN-No. 4000896+
740-3	150	6	029679

741 Cape chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
- Regrinding without rehardening
- Octagonal shaft
- Surface: immersion-lacquered



HAZET No.	l mm	Ø mm	EAN-No. 4000896+
741-1	125	4	029709



745 Drift punch

Made in Germany

- Octagonal shaft
- Surface: matt black
- DIN 6458



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
745-1	1	120	029716
745-2	2	120	029723
745-3	3	120	029730

745 A Drift punch

Made in Germany

- Heavy design (D)
- Octagonal shaft



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
745 a-2	2	120	029778
745 a-3	3	120	029785
745 a-4	4	120	029792
745 a-5	5	120	029808
745 a-6	6	120	029815

746 Centre punch

Made in Germany

- Octagonal shaft
- DIN 7250



HAZET No.	l mm	Ø mm	EAN-No. 4000896+
746-1	120	10	029846
746-2	120	13	029853

750 Chisel, drift punch, centre punch set

Made in Germany



HAZET No.		EAN-No. 4000896+
750		
731-2 • 731-5 • 741-1 • 745-3 • 745 a-4 • 746-1		
750/6	6	030026
750		
730-3 • 730-6 • 740-3 • 745-2 • 745 a-4 • 746-2		
750/6-1	6	030033

747 Centre punch, self-punching

Made in Germany

- Impact force 3 to 30 kg
- Progressively adjustable
- Tough punch tip
- The impact force is applied by simply pressing down the upper part



747 Centre punch, self-punching



HAZET No.	l mm	EAN-No. 4000896+
747-1	135	051434
• Punch tip for 747-1		
747-02	–	051380

748 A Drift pin

Made in Germany

- Octagonal shaft
- DIN 6450 form C



+ = Long style

HAZET No.	Ø mm	l mm	EAN-No. 4000896+
748 a- 2	2	115	029884
748 a- 3	3	125	029891
748 b- 2	2	150	029907
748 b- 3	3	150	029914
748 b- 4	4	150	029921
748 b- 5	5	150	029938
748 b- 6	6	150	029945
748 b- 8	8	150	029952
748 c- 6 +	6	180	029976
748 c- 8 +	8	200	029983
748 c-10 +	10	200	029969

748 LGB Drift pin

Made in Germany

- Long style



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
748 Lg b-3	3	175	100040
748 Lg b-4	4	175	029990

751 Drift pin set

Made in Germany



HAZET No.		EAN-No. 4000896+
751		
748 a-2 • 748 a-3 • 748 b-4 • 748 b-5 • 748 c-6 • 748 c-8		
751/6	6	030088
751		
748 b-2 • 748 b-3 • 748 b-4 • 748 b-5 • 748 b-6 • 748 b-8		
751/6-1	6	030095



Hand tools

Hammer / Chisel / Center Punch



751 KHS Drift pin, short

Made in Germany

- Short design with hand guard



HAZET No.	l_1 mm	l_2 mm	$\varnothing$ mm	EAN-No. 4000896+
751 KHS-3	10	109	3	159987
751 KHS-4	10	109	4	159994

751 HS Drift pin set

Made in Germany

- Ergonomic 2-component hand guard cover adapted to hand shape guarantees:
 - Less risk of injury
 - Depressant effect (less stress to the hand due to impacts)
 - Safe gripping

Contents:

5 3 4 5 6 8 mm

• DIN 6450 form C

• Hand guard length: 75 mm



HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
751 HS/5	75	150	5	148257

751 HS Drift pin set, long

Made in Germany

- Ergonomic 2-component hand guard cover adapted to hand shape guarantees:
 - Less risk of injury
 - Depressant effect (less stress to the hand due to impacts)
 - Safe gripping

Contents:

5 3 4 5 6 8 mm

• DIN 6450 form C

• Hand guard length: 85 mm



HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
751 L HS/5	90	175	5	205530

2534 Brass mandrel

Made in Germany



HAZET No.	$\varnothing$ mm	l mm	EAN-No. 4000896+
2534	20	200	016365

2164 Pry bar set

- Flat and bevelled tips allow application in areas with restricted access
- Solid square blades guarantee high power transmission



HAZET No.		EAN-No. 4000896+
2164/3	3	080281

2165 Pry bar

Made in Germany

- Surface: bright nickel-plated



HAZET No.	l mm	EAN-No. 4000896+
2165-1	400	013302
2165-2	400	013319
2165-3	400	013326

2166 Double-handled pry bar for commercial vehicles

- Shock-resistant and ergonomic plastic handle allows two-hand operation
- Hexagon blade passes through the handle
- With solid impact head for maximum stress
- Hardened and tempered



HAZET No.	l mm	EAN-No. 4000896+
2166-4	1116	161072



3-arm HAZET puller

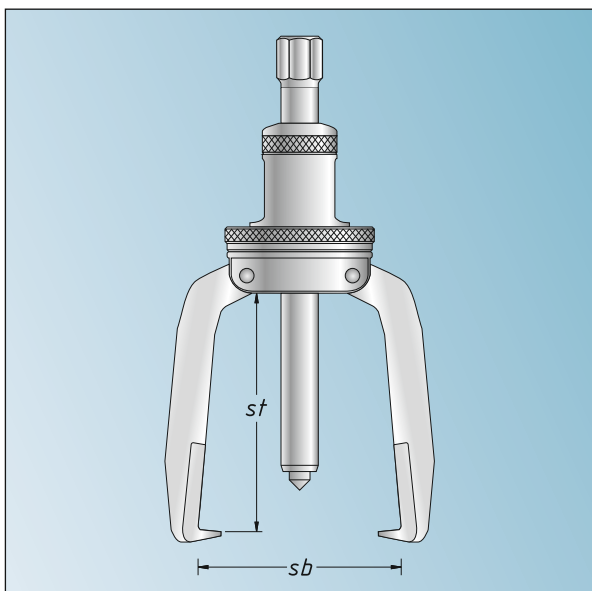
Easy application due to new quick pulling system



- ① Precisely manufactured head permits a fast and accurate application
- ② Maintenance-free encapsulated mechanics
- ③ High-quality steel and thermo-chemical treatment provide the highest spindle pressure load and hook tensile load
- ④ Flexible, interchangeable spindle tip provides various application possibilities

 **Made in Germany**

A simple rotary motion opens the hook and automatically encloses the part to be pulled off, even for vertical application (no readjustment necessary)

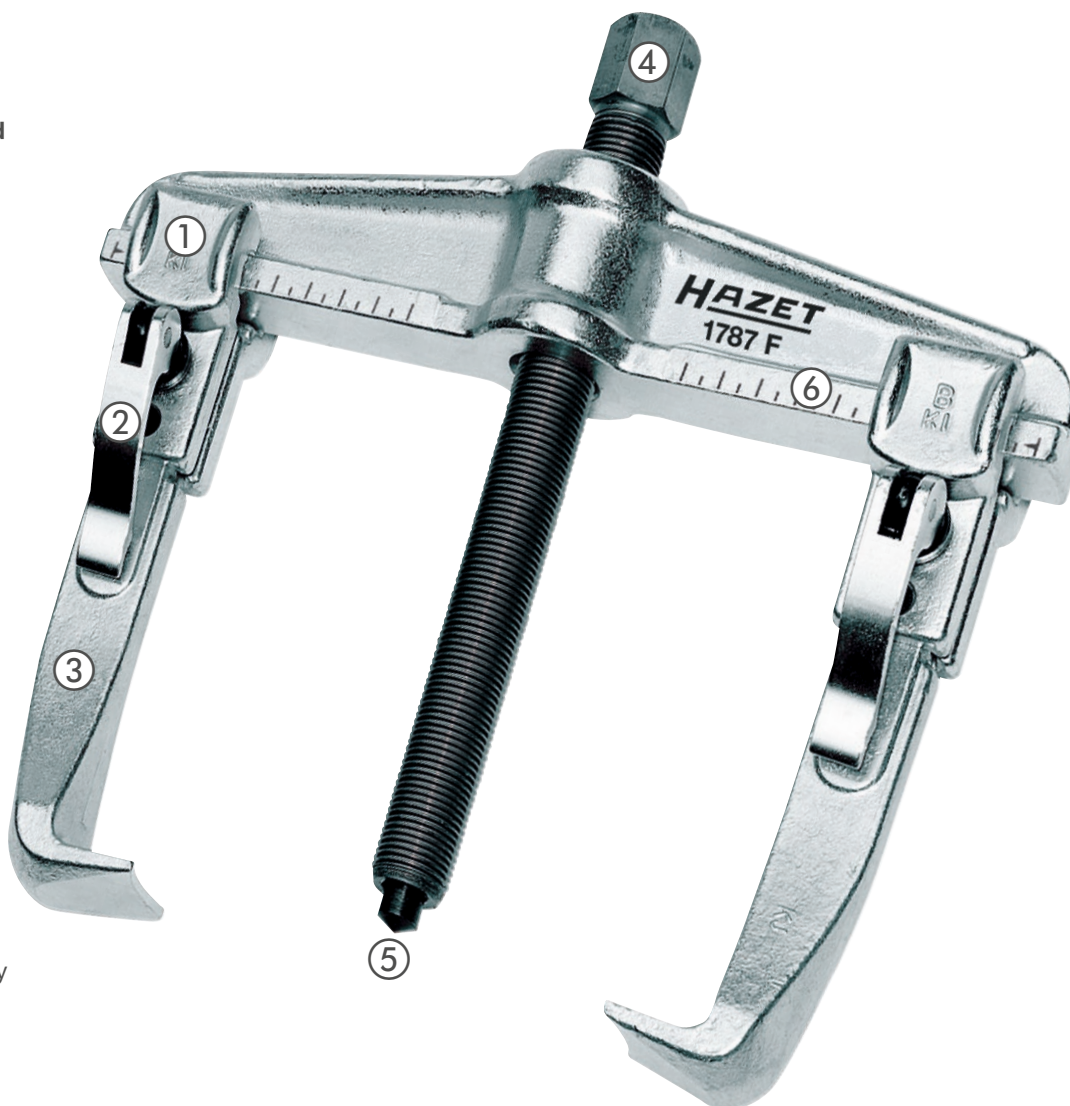




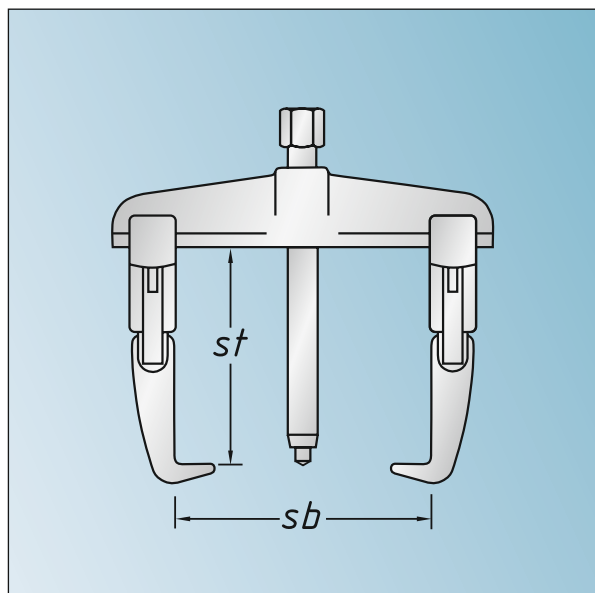
2-arm HAZET puller With quick-clamping device

- To quickly and safely pull off ball bearings, pulleys, sprockets, etc.

- ① Very rugged, **drop-forged** hooks and crossbars
- ② Hand-operated **quick-clamping devices** enable fast and simple adjusting
- ③ To be used as **internal and external puller** by inverting the hooks
- ④ Nitrided spindle – extra hard!
Maintenance-free – no lubrication necessary
- ⑤ Can be retrofitted with **hydraulic grease pressure spindle** from thread size G 1/2"
"Tuning" for the puller
- ⑥ **Setting scale** to uniformly adjust the puller hooks



 **Made in Germany**



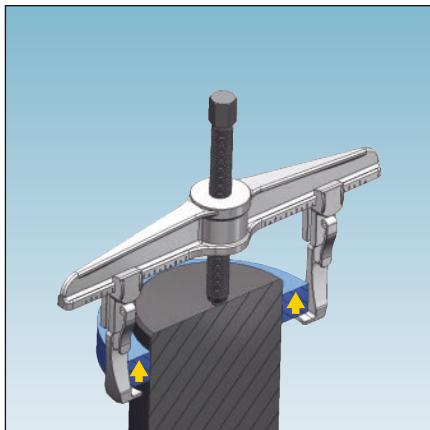


Puller 1x1

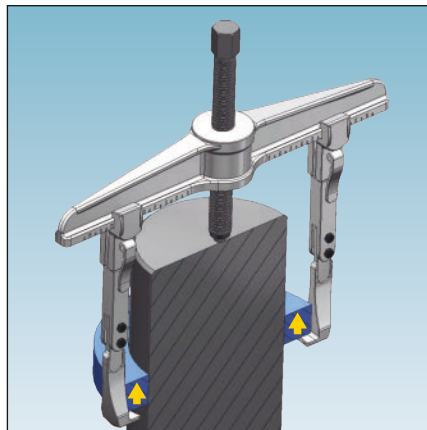
Always find the correct puller

HAZET external pullers

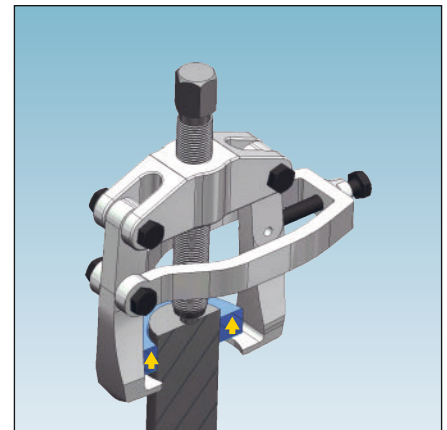
The most common pulling procedure is external pulling, i.e. the component to be pulled off (ball bearing, pulley, sprocket, etc.) is gripped from the outside and pulled off. The actual pulling off procedure then occurs by operating a spindle.



Standard design HAZET external pullers

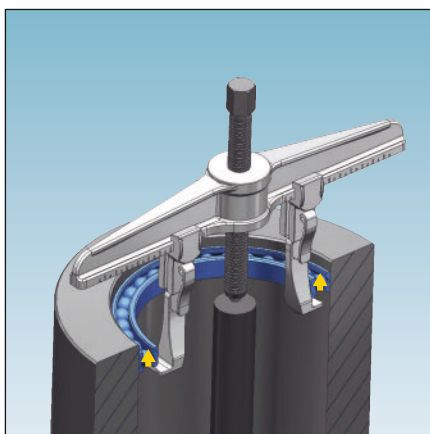


HAZET external pullers with long puller hooks



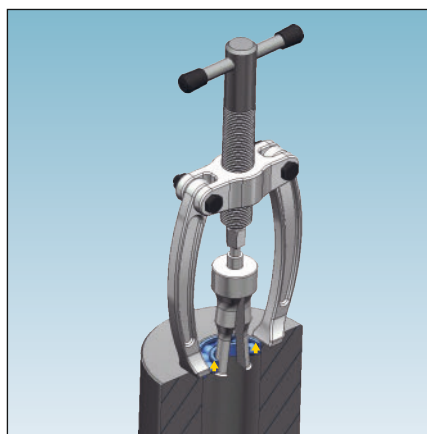
HAZET external puller with lateral tension clamp

HAZET external pullers can also be used as internal pullers

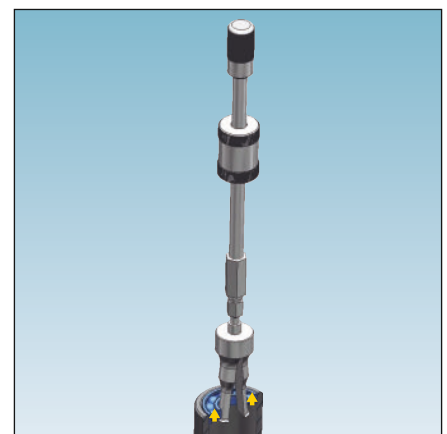


Pullers of the HAZET series nos. 1787 F 9-35, 1787-52, 1787 S-1 and 2, 1783-22 can also be used as internal pullers by **simply turning the puller hook** on the crossbar. A shaft in the centre of the component is required for this, against which the spindle supports itself.

HAZET internal pullers



Internal pullers and counter stays are normally used for this application.



If there is insufficient space, the counter stay should be dispensed with and a sliding hammer should be used.

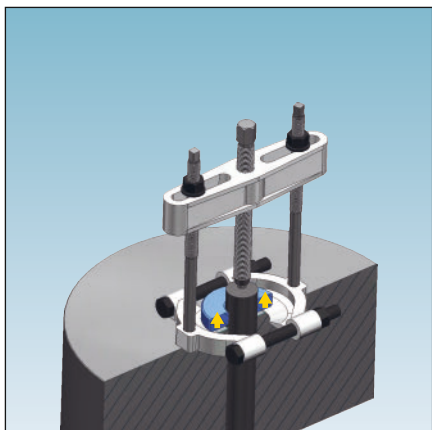
Puller application examples with specialty tools

- In industry, for motor vehicle and commercial vehicle components
- Pitman arm
- Ball joints, ball bearings, washers, wheels
- Sprockets, cogs

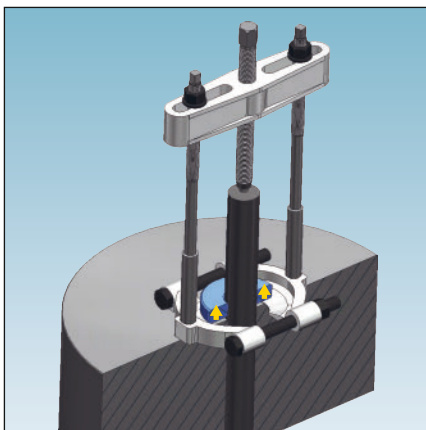


HAZET separators and pullers

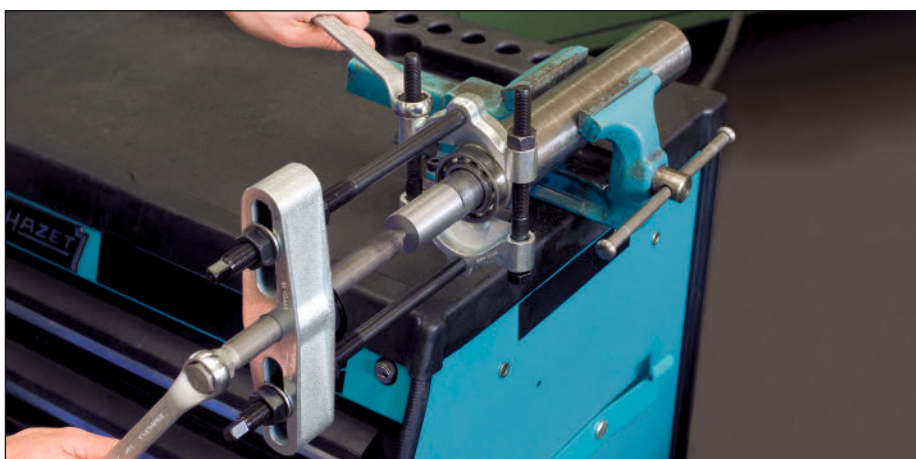
If it is not possible to use a standard external puller, e.g. with overlaying parts, it is possible to use the so-called separation puller



For this application, a separating device and a pulling device are normally used in combination.

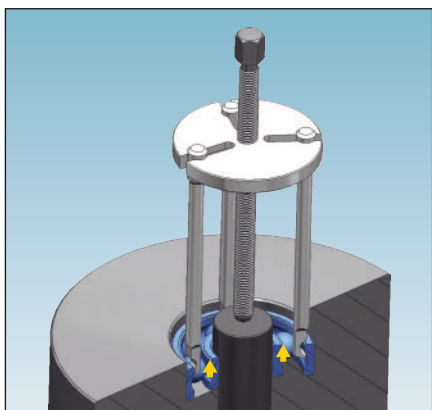


To pull longer shafts, it is also possible to extend the pulling device.



HAZET bearing extractor

HAZET bearing extractors are used when the bearings sit on a shaft and in a housing.



With HAZET No.1778-3/40 the bearing cage is operated on

Industrial bearings





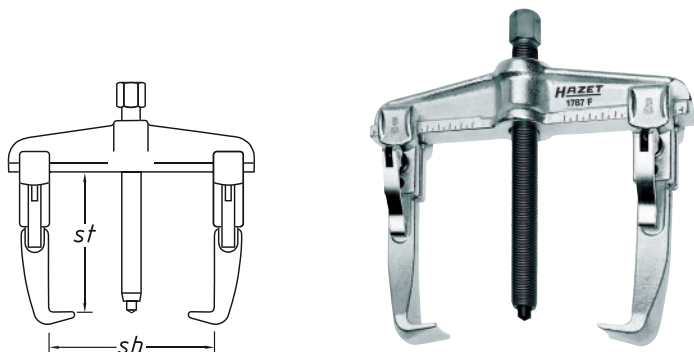
Puller, 2-arm

1787 F Quick-clamping puller, 2-arm

Made in Germany

• With quick-clamping device

- Nitrided spindle – extra hard!
Maintenance-free – no lubrication necessary
- To be used as internal and external puller by inverting the hooks
- New type of quick-clamping allows fast and simple adjusting
- Very rugged, drop-forged pullers
- Can be equipped with hydraulic spindle from thread size G 1/2"
- Setting scale for even adjusting of puller hooks

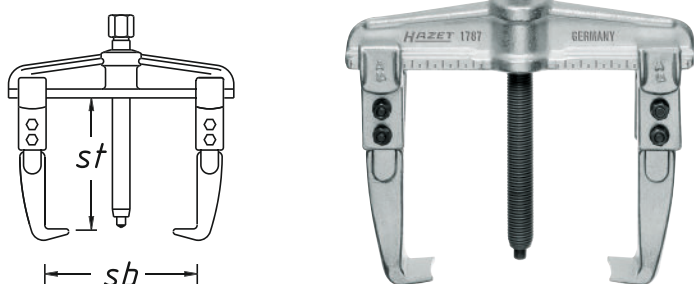


HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1787 F- 9	3	90	100	M 14x1.5x140 mm	134151
1787 F-13	3	130	100	M 14x1.5x140 mm	134168
1787 F-16	5	160	150	G 1/2"x210 mm	134175
1787 F-20	5	200	150	G 1/2"x210 mm	134182
1787 F-25	7.5	250	200	G 3/4"x280 mm	134199
1787 F-35	7.5	350	200	G 3/4"x280 mm	136094

1787 Puller, 2-arm

Made in Germany

- To be used as internal and external puller by inverting the hooks
- Spindle G1 x310
- **Optional accessories:** hydraulic spindle 1786 H-03
- Surface: galvanised



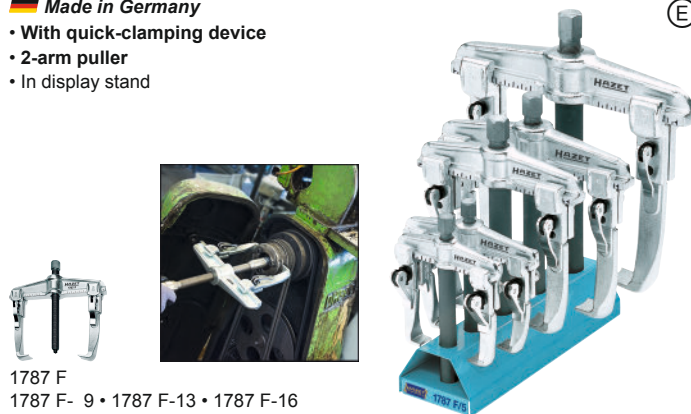
HAZET No.	Max. t.	sb mm	st mm	EAN-No. 4000896+
1787-52	10	520	208	136100



1787 F Quick-clamping puller set, 2-arm

Made in Germany

- With quick-clamping device
- 2-arm puller
- In display stand



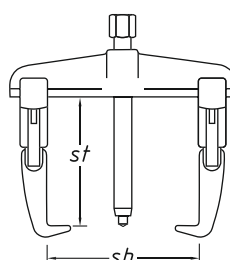
1787 F
1787 F- 9 • 1787 F-13 • 1787 F-16
1787 F-20 • 1787 F-25

HAZET No.		EAN-No. 4000896+
1787 F/5	5	133017

1787 S Puller set, 2-arm

Made in Germany

- With slender hooks
- "3 in 1"
- 6 slender **forged hooks** in 3 pairs of different lengths
- Ideal for working in areas with restricted access



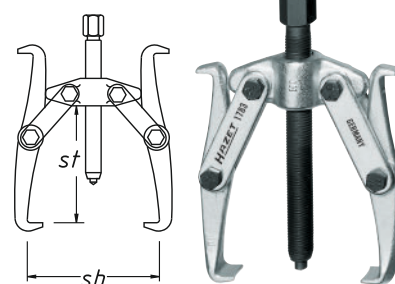
HAZET No.	sb mm	st mm	EAN-No. 4000896+
• Spindle M 14 x 1.5 x 140 mm • Max. 3 tons • 2 hooks each 1786 S-100 -200 -250 mm long			
1787 S-1	130	100–200–250	133222
• Spindle G 1/2 x 210 mm • Max. 5 tons • 2 hooks each 1786 S-150 -220 -300 mm long			
1787 S-2	200	150–220–300	133239

1783 Universal pullers, 2-arm

Made in Germany

- Puller hooks can be used from both sides; hooks with one narrow side for areas with restricted access

- Application: For removing sprockets and ball bearings
- Automatic gripping of the puller hooks
- 2-arm design
- Surface: galvanised



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1783-22	5	220	170	M 18x1.5x170 mm	136063



Hand tools

Pullers / Extractors – Puller, 3-arm



1792 Fan pullers, 2-arm

Made in Germany

- 2-arm design
- Very slender hooks with 3 clamping depth adjustments
- Rugged and drop-forged design



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1792-1	2	150	200	M 14x1.5x155 mm	147830

1776 Pitman arm puller, 2-arm

Made in Germany

- For ball bearings, toothed wheels, pinions, **pitman arms** and similar
- The clamp clip is used for pressing the puller jaws on the parts to be extracted
- Surface: galvanised



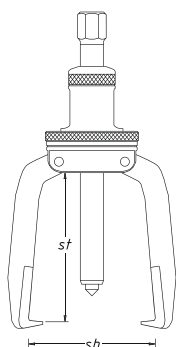
HAZET No.	sb mm	st mm	Spindle	EAN-No. 4000896+
1776- 85	90	85	M 18x1.5x130 mm	135943
1776-100	90	100	M 18x1.5x130 mm	135950
1776-140	150	140	G ½"x175 mm	135967

Puller, 3-arm

1785 Puller, 3-arm

Made in Germany

- Easy application due to new quick pulling system
- Precisely manufactured head allowing quick and accurate application
- High-quality steel and thermo-chemical treatment providing a high pressure capacity of the spindle and a high tensile capacity of the hooks
- Flexible, interchangeable spindle tip provides various application possibilities
- Hooks open by simple rotation and enclose automatically the part to be pulled out, even for vertical application (no readjustment necessary)
- Encapsulated mechanics, maintenance-free



1785 Puller, 3-arm

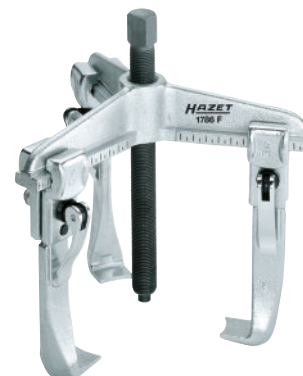
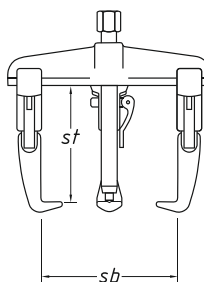


HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1785-150	6.5	150	130	G ½"x250 mm	133154
1785-250	6.5	250	250	G ½"x350 mm	133161

1786 F Quick-clamping puller, 3-arm

Made in Germany

- With quick-clamping device
- Provides uniform load distribution, safe gripping and centred pulling
- Nitrided spindle – extra hard maintenance-free – no lubrication necessary
- Can be equipped with hydraulic spindle 1786 H-01, 02 from thread size G ½"



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1786 F- 9	3	90	100	M 14x1.5x140 mm	133505
1786 F-13	3	130	100	M 14x1.5x140 mm	133529
1786 F-16	5	160	150	G ½"x210 mm	133536
1786 F-20	5	200	150	G ½"x210 mm	133567
1786 F-25	7.5	250	200	G ¾"x280 mm	133574

1786 S Puller set, 3-arm

Made in Germany

- With slender hooks
- "3 in 1"
- 9 slender **forged hooks** in 3 pairs of different lengths
- Ideal for working in areas with restricted access
- 3-arm design, 3 hooks each
- Provides uniform load distribution, safe gripping and centred pulling action



HAZET No.	sb mm	st mm	EAN-No. 4000896+
• Spindle M14x1.5x140 mm • Max. 3 tons • 3 hooks each 1786 S-100 -200 -300 mm long			
1786 S-1	130	100–200–250	133246
• Spindle G ½"x210 mm • Max. 5 tons • 3 hooks each 1786 S -150 –220 –300 mm long			
1786 S-2	200	150–220–300	133932



1786 FS Quick-clamping puller set

Made in Germany

- With 3 hooks
- Ideal basic set with quick-clamping device
- To be used as internal and external puller by inverting the hooks
- Slender hooks especially suitable for gear box repair (as standard hooks cannot be used in areas with restricted access)
- Plastic box
- Soft foam insert



HAZET No.	sb mm	st mm	Spindle		EAN-No. 4000896+
Quick-clamping puller set, contents:					
1786-01					
1786-21 31					
1786 FS-100 (3x)					
1786 FS/6	90	100	M 14x1.5x140 mm	6	133871

Made in Germany

- To be used as internal and external puller by inverting the hooks

- 3 hooks with quick-clamping device
- Slender forged puller hooks especially suitable for gear box repair (as standard hooks cannot be used in areas with restricted access)
- Plastic box
- Soft foam insert



HAZET No.	sb mm	st mm	Spindle		EAN-No. 4000896+
Quick-clamping puller set, contents:					
1786 S-03					
1786-22 33					
1786 FS-150 (3x)					
1786 FS/6-1	160	150	G 1/2"x210 mm	6	147373

1786 S Puller set, 3-arm

Made in Germany

- With 9 hooks
- Professional set for all current clamping widths and depths (100–250 mm)
- Plastic box
- Soft foam insert



1786 S Puller set, 3-arm

HAZET No.	sb mm	st mm		EAN-No. 4000896+
Puller set, contents:				
1786-01				
1786-2 3				
1786 S-100 (3x)				
1786 S-200 (3x)				
1786 S-250 (3x)				
1786 S/12	120	100–200–250	12	133888

1789 Universal pullers, 3-arm

Made in Germany

- Puller hooks can be used from both sides; hooks with one narrow side for areas with restricted access

- Application: For removing sprockets and ball bearings
- Automatic gripping of the puller hooks
- 3-arm design
- Surface: galvanised



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1789- 9	3	90	80	M 14x1.5x125 mm	147427
1789-16	5	160	130	M 18x1.5x170 mm	136070
1789-22	5	220	170	M 18x1.5x170 mm	136087
1789-32	12	320	260	G 1/2"x350 mm	147731
1789-40	12	400	320	G 1/2"x350 mm	147748

1785 Pole and battery terminal puller, 3-arm

Made in Germany

- Manageable and rugged design, with drop-forged hooks

- Application: For the removal of small parts such as battery terminals, ball bearings, pulleys, sprockets, etc.
- Automatic gripping of hooks
- 3-arm design



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1785-40	0.8	60	40	M 10x1.5x 60 mm	133659
1785-60	0.8	60	60	M 10x1.5x 80 mm	133338
1785-80	1	70	80	M 10x1.5x100 mm	133369

1786 H Grease hydraulic pressure spindle

- "Tuning for your puller" suitable for series 1781-5, 1783, 1784, 1786 and 1787, 1790, 1794, 1796
- Designed for safe and controlled pulling work
- Replaces a mechanic standard spindle
- Considerable reduction of force expenditure
- Maximum stroke: 12 mm



HAZET No.	M	l mm	Max. t.	EAN-No. 4000896+
1786 H-01	G 1/2"	350	12	133024
1786 H-02	G 3/4"	420	12	133130
1786 H-03	G 1"	465	15	133147



Hand tools

Pullers / Extractors – Puller components



Puller components

1787 F Puller hook with quick-clamping device

Made in Germany

- Per piece
- For pullers 1786 F and 1787 F



HAZET No.	s t mm	EAN-No. 4000896+
• For 1786 F-9 13 • 1787 F-9 13 1787 F-0913	100	136117
• For 1786 F-16 20 • 1787 F-16 20 1787 F-1620	150	136124
• For 1786 F-25 35 • 1787 F-25 35 • 1787-52 1787 F-2552	200	136131

1787 Puller hook without quick-clamping device

Made in Germany

- Per piece
- For pullers
1786 F-25 35
1787 F-25 35
1787-52



HAZET No.	s t mm		EAN-No. 4000896+
1787-2552	200	–	136148
1787 Lg-0913	200	–	136155
1787 Lg-1620	300	–	136162
1787 Lg-2552	305	–	136179
1787 Lg-2552/4	406	4	136186
1787 Lg-2552/5	504	5	136193

1786 S Slender puller hook

Made in Germany

- Per piece
- For pullers 1786 S-1 and S-2 as well as 1787 S-1 and S-2



HAZET No.	s t mm	EAN-No. 4000896+
1786 S-100	100	134762
1786 S-150	150	134816
1786 S-200	200	134779
1786 S-220	220	134823
1786 S-250	250	134786
1786 S-300	300	134830

Separator

1775 N Separator

Made in Germany

- The separator is closed by tightening the nuts on the stud bolts
- Surface: galvanised/burnished



1775 N Separator

HAZET No.	Ø mm	M	EAN-No. 4000896+
1775 N- 60	5– 60	M10	135936
1775 N- 75	12– 75	M10	134540
1775 N-115	22–115	M14x1.5	134656

1775 N Puller

Made in Germany

- Application: For extracting ball bearings, roller bearings and inner rings
- Together with separator
HAZET 1775 N-60 75 115, the tension bolts are screwed into the threaded holes of the separation jaws
- Surface: galvanised/burnished



HAZET No.	s b mm	Spindle	Tension Bolts	EAN-No. 4000896+
1775 N-12	40–120	M 14x120 mm	M 10	134922
1775 N-16	60–165	M 15x170 mm	M 10	134588
1775 N-21	70–215	G ½"x210 mm	M 14x1.5	134618

1775 N Extension

Made in Germany

- Per pair
- Surface: burnished, oiled
- For 1775-12 and -16



HAZET No.	M	l mm	EAN-No. 4000896+
1775 N-012	M10	100	134366

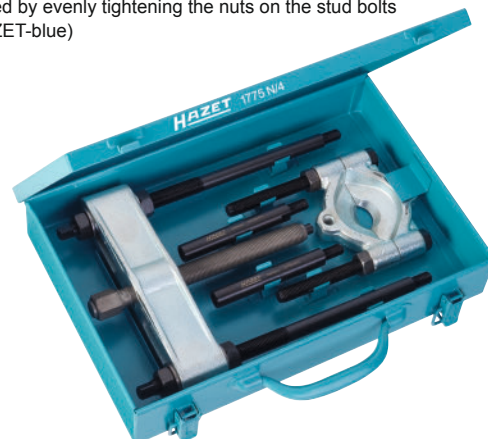
1775 N Separator and puller set

Made in Germany

- For very confined spaces and tightly adjusted bearings

(E)

- Separators and pullers with extension
- The tension bolts are screwed into the threaded holes of the separation jaws together with the separators
- The separator is closed by evenly tightening the nuts on the stud bolts
- Sheet metal box (HAZET-blue)



HAZET No.	s b mm		EAN-No. 4000896+
1775 N 1775 N-16 • 1775 N-75 • 1775 N-012 1775 N/4	60–165	4	133208
1775 N 1775 N-21 • 1775 N-115 • 1775 N-021 1775 N-1/4	70–215	4	133215

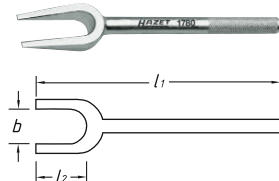


1780 Removal and assembly fork

Made in Germany

• Proven and economical system

- Application: Wedge-shaped fork end allows fast removal of push rod and steering tie rod ends, pitman arms and other parts of the steering
- Easy application
- Also suitable for removing shock absorbers and other separation work
- Application possible in confined spaces
- Sturdy forged design



HAZET No.	l ₁ mm	l ₂ mm	b mm	EAN-No. 4000896+
1780-18	340	80	18	133345
1780-23	340	80	23	133352
1780-29	350	80	29	133376

Internal extractor

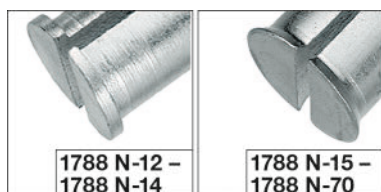
1788 N Internal extractor

Made in Germany

• Application: For extracting **ball bearings, outer rings and bushings**

• To be used with counter stays 1788 N-835 and -4570

+ = With reinforced collar for safe removal of needle bearings, ball bearings and brass sleeves



HAZET No.	Ø mm	M	EAN-No. 4000896+
1788 N-12 +	12–14	M10	147694
1788 N-14 +	14–19	M10	147700
1788 N-15	12–15	M10	134861
1788 N-19	15–19	M10	134878
1788 N-25	19–25	M10	134885
1788 N-30	25–30	M10	134892
1788 N-35	30–35	M10	134915
1788 N-45	35–45	M14x1.5	134502
1788 N-55	45–55	M14x1.5	136209
1788 N-70	55–70	M14x1.5	136216

1788 N Counter stay

Made in Germany

- For internal extractors HAZET 1788 N-12 up to -70
- Surface: chrome-plated



HAZET No.	Spindle	EAN-No. 4000896+
• For internal extractors 1788 N-12 up to 35		
1788 N- 835	M 10 mm	134854
• For internal extractors 1788 N-45 up to 55		
1788 N-4570	M 14x1.5 mm	134908

1788 N Internal extractor set

Made in Germany

For extracting ball bearings, outer rings and bushings

- Internal extractor and counter stay
- Sheet metal box (HAZET-blue)



HAZET No.		EAN-No. 4000896+
1788 N		
1788 N-835 • 1788 N-4570 • 1788 N-15 • 1788 N-19		
1788 N-25 • 1788 N-30 • 1788 N-35 • 1788 N-45		
1788 N/8	8	133185
1788 N		
1788 N-835 • 1788 N-4570 • 1788 N-15 • 1788 N-19 • 1788 N-25		
1788 N-30 • 1788 N-35 • 1788 N-45 • 1788 N-55 • 1788 N-55		
1788 N/10	10	147939
845-1 • 1784-40 • 1787-9 • 1787-16 • 1788 N-835 • 4570		
1788 N-15 • 1788 N-19 • 1788 N-25 • 1788 N-30 • 1788 N-35		
1788 N-45 • 1788 N-55 • 1788 N-70 • 1788-532		
1788 N/15	15	147960

1788 T Internal extractor set

Made in Germany

- With **titanium nitrided surface** extra-hard and wear-resistant
- For tightly-packed ball bearings, rings, bushings and shaft seals Simmer®
- Made of high-quality, flexible material
- Absolutely precise manufacturing accuracy providing a higher power transfer
- High ease of use
- **Only 4** Internal Extractors allow to cover the range from 5 to 36 mm
- To be used sliding hammer or counter stay
- Well-composed set
- Hard and wear-resistant titanium nitrided surfaces providing a better and heat-resistant surface protection
- **Application:**
- Insert internal extractor into bearing and screw in spindle
- The sharp shells press behind the part to be removed
- Place sliding hammer or counter stay in position
- Plastic box



HAZET No.	M	l mm		EAN-No. 4000896+
• Internal extractor set, contents:				
1788 T-1 1788 T-8.5				
1788 T-15 24 36				
1788 T/5	–	–	5	133666
• Sliding hammer (sliding weight 200g) with coupler thread M 10				
• For the removal of caps with inside thread, ball bearings, pulleys etc.				
• To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35				
1788 T-1	M10	226	–	134304



Hand tools

Pullers / Extractors – Internal extractor



1788 T Stud bolt set

Made in Germany

- Application: For the removal of different caps with inside thread
- **6-piece set**, stud bolts with M 10 coupler thread, contents:
1 piece each threaded insert M 4, M 5, M 6, M 8, M 10, M 12
To be used with sliding hammer 1788 T-1



HAZET No.		EAN-No. 4000896+
1788 T-1/6	6	141647

1788 T Sliding hammer

Made in Germany

- Application: For disassembly of tight common rail injectors without removing the cylinder head



HAZET No.	M	l mm	EAN-No. 4000896+
1788 T-1	M10	226	134304

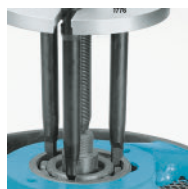
- Sliding hammer (sliding weight 200g) with coupler thread M 10
- For the removal of caps with inside thread, ball bearings, pulleys etc.
- To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35

1778 Ball bearing extractor set

Made in Germany

- **Considerably easier application than existing systems on the market providing more efficiency and productivity**
- Application: Removal of ball bearings mounted on shafts and located in housings
- Suitable for more than 40 standard ball bearings up to size 6311
- User-friendly device prevents the puller hooks from falling off
- 100 % power transmission due to self-gripping closure
- **40 pieces**
For ball bearing 6000 to 6407

1778 Ball bearing extractor set



HAZET No.		EAN-No. 4000896+
1778-3/40	40	133697

1774 Beam puller

Made in Germany

- **Drop forged, tempered hooks**

- Application: For tensioning, pulling, pressing of timbers
- **Beam puller**
- Galvanized hooks, chrome-plated ratchet
- Ergonomic design – with reversible ratchet
- Smooth running acme thread TR 16x5
- Span: 115 mm
Total width: 440 mm
Length of ratchet: 275 mm



HAZET No.		EAN-No. 4000896+
1774-1		180578

**Ball joint puller tools can be found under
Specialty Tools → Chassis → Wheel Bearing / Wheel Hub from page 418**





Grinding, Separation and Cutting

2128 Twist drill bits in case

- 25-part, $\varnothing$ 1–13 mm, increasing by 0.5 mm
- 118° standard point
- DIN 338



HAZET No.	EAN-No. 4000896+
2128-1	103775

1967 Welding spot drill

Made in Germany

- Self-cutting centring tip resharpenable

- High performance, high-speed steel, blued



HAZET No.	$\varnothing$ mm	l mm	EAN-No. 4000896+
1967-70	7	74	009343
1967-80	8	79	009350
1967-90	9	79	009367

1967 Welding spot drill

Made in Germany

- Fits power drills of all types
- 7 mm hexagon shank prevents slippage in drill chuck
- Replaceable cutting crown (right-hand thread) made of high-speed steel (oiled)
- Cutting crown for use at both ends
- With screw for gauge depth adjustment (*)



HAZET No.	$\varnothing$ mm	l mm	EAN-No. 4000896+
1967	11	70	009312
Cutter crowns, set of 10 pieces for 1967			
1967-01	–	–	009329
Center tip for 1967			
1967-02	–	–	009336

2150 Marking tool

- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
2150	240	013012

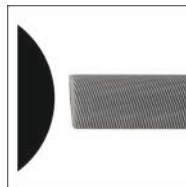
- Special steel for long-lasting use
- With fastening clip



HAZET No.	l mm	EAN-No. 4000896+
2150-1	150	144129

2119 Half-round file

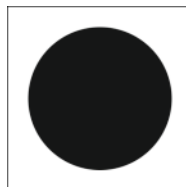
- Teeth (cut): 2 = medium
- Plastic handle
- DIN 7261 form E



HAZET No.	l mm	EAN-No. 4000896+
2119- 8	200	012398
2119-10	250	012381

2120 Round file

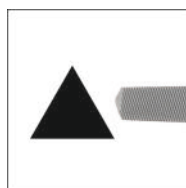
- Teeth (cut): 2 = medium
- DIN 7261 form F



HAZET No.	l mm	EAN-No. 4000896+
2120- 8	200	012411
2120-10	250	012404

2123 Three square file

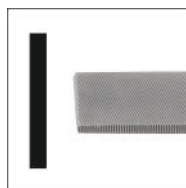
- Teeth (cut): 2 = medium
- DIN 7261 form C



HAZET No.	l mm	EAN-No. 4000896+
2123- 8	200	012473
2123-10	250	012466

2122 Flat hand file

- Teeth (cut): 2 = medium
- DIN 7261 form A



HAZET No.	l mm	EAN-No. 4000896+
2122- 8	200	012435
2122-10	250	012428



Hand tools

Grinding, Separation and Cutting

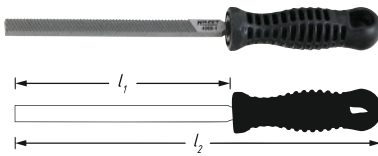


4968 Brake calliper file

- One-sided cut prevents damage to the dust boot at the brake piston



- 12 mm wide
- Cut of the file: coarse, bevel cut on one side
- With integrated blunt scraper at the face side for removing crude residues
- Plastic handle

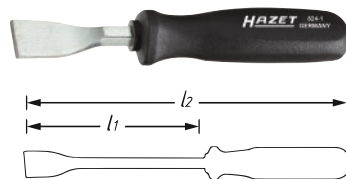


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-1	165	275	084739

824 Blunt scraper

Made in Germany

- 824 long blade
- 824-1 short blade
- Surface: galvanised



HAZET No.	b mm	l_1 mm	l_2 mm	EAN-No. 4000896+
824	23	150	270	033881
824-1	23	55	165	033898

825 Blunt scraper

- With exchangeable hard-metal tip

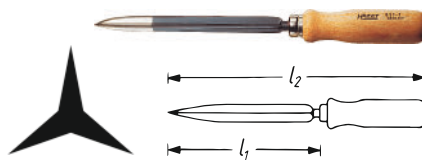


HAZET No.	b mm	l_1 mm	l_2 mm	EAN-No. 4000896+
825-25	25	267	397	033959
• Replacement hard-metal tip for 825-25				
825-025	25	–	–	033928

821 Hollow three-square scraper

Made in Germany

- Tips ground



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
821-1	150	260	033683
821-2	200	315	033690

823 Fine three-square scraper

Made in Germany

- All-round protective coating made of viscoplastic and impact-resistant plastic material



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
823	25	148	033874

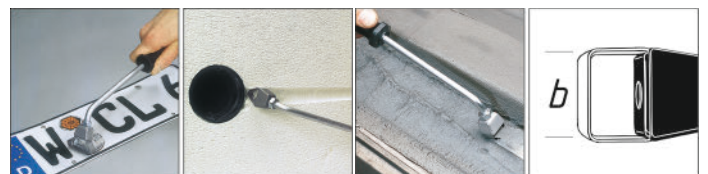
822 Angle scraper

Made in Germany

- With replaceable and reversible blades made of HSS bimetal



- Scraping sealing residues, e.g. at the cylinder head
- Scraping cable channels in Ytong blocks
- Environmentally friendly work:
 - no formation of dust
 - no generation of noise
 - no production of chlorine or dioxin gas (as it occurs e.g. when burning residues)
- Surface: chrome-plated



HAZET No.	b mm	l mm	EAN-No. 4000896+
• Handle only with blade 822-01 (flat)			
822	20	270	033713
• Blade Set for 822 (5 pieces per set)			
822-01/5	–	–	033720

1980 N Hack saw

- With blade tensioning end screw
- With 1 saw blade
- For 300 mm saw blades
- DIN 6494 form A



HAZET No.	l mm	EAN-No. 4000896+
1980 N	390	009824
• Saw blade		
• 24 teeth / inch		
• 300 mm long		
• One-sided		
• Fully hardened and elastic		
1980 B-2	300	009817

1981 Small hack saw

Made in Germany

- For saw blades 150 mm
- With 1 saw blade
- Handle made of glass fiber reinforced plastic
- Special steel St 2 K 40



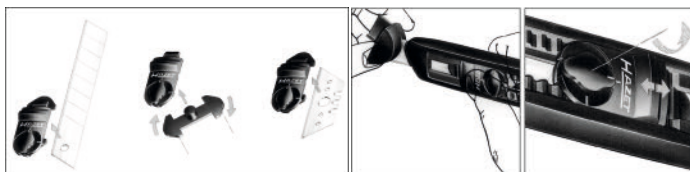
HAZET No.	l mm	EAN-No. 4000896+
1981	252	009831
• Saw blade for 1981, made of chrome-alloyed tool steel		
1981-01	150	009848



2157 Universal knife

- Multipurpose Knife
- With **spare blades deposit**
- One snap-off, straight and hook blade each included
- **Housing made of fibre-glass reinforced plastic**
- One-hand operation for blade insertion and locking
- Blade is securely locked

(E)



HAZET No.	l mm	EAN-No. 4000896+
2157	167	013203
Snap-off blades , e.g. for trimming knife 2157 (7 break-away parts) 100 x 18 mm set of 10 pieces		
2157-04	—	013210
Blades with 2 holes , (e.g. for trimming knife 2157), set with 10 pieces		
2157-05	—	013227
Hook blades , e.g. for trimming knife 2157, set of 10 pieces		
2157-06	—	013234

2157 Jack-knife

- Quick blade changing
- With 5 blades
- Comfortable handle made of impact resistant ABS
- Blade magazine with safety lock
- Thumb cushion enables joint-protecting working
- Length in hinged position: 100 mm

(E)



HAZET No.	l mm	EAN-No. 4000896+
2157-1	159.9	147236
Blades with 3 holes , (e.g. for 2157-1) set with 10 pieces		
2157-07	—	150977

2157 Mini utility knife

- Quick blade changing
- Blade fastener
- Convenient handle made of ABS
- Release lever for comfortable blade closing
- Blade magazine with safety lock
- With 5 spare blades
- Length in hinged position: 57 mm

(E)



2157 Mini utility knife

(E)



HAZET No.	l mm	EAN-No. 4000896+
2157-2	100	164318
• Spare blades for 2157-2. Set with 10 pieces		
2157-08	—	166022

2158 Universal shear

- **Ergonomic design allows one-hand operation of the locking device**

(E)

- With locking device
- Additionally with round cutter for wire stripping (1 or 1.5 mm²)
- HAZET 2-component handle



HAZET No.	l mm	EAN-No. 4000896+
2158	194	057856

2180 Tube cutter

- **4 guide rollers for optimum hold on the pipe whilst cutting**

(E)

- Integrated NOGA deburring blade, can be pulled out completely
- Quick change system allows the cutting wheel to be changed quickly without tools
- Incl. 2 cutting wheels (2180N-021): one installed in head and one in rotary knob cap
- Steel supported spindle for better sliding
- Body made of magnesium die-cast
- Slide and turn knob made of zinc die-cast



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
2180 N-2	6–35	145	198986
• Spare cutter wheel for 2180 N-2 and 2181 N-1			
2180 N-021	—	—	198993



Hand tools

Grinding, Separation and Cutting



2181 Small tube cutter

- For cutting aluminium, copper and thin-walled metal tubes



- "Instant Change System (ICS)" allows the cutting wheel to be changed quickly without tools
- Steel supported spindle for better sliding
- Significantly reduced work radius
- Incl. 1 cutting wheel (2180 N-21)
- Ergonomic rotary knob for optimum handling
- Body, carriage and rotary knob made from die-cast zinc
- Surface: lacquered



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
2181 N-1	3–16	52	198979
• Spare cutter wheel for 2180 N-2 and 2181 N-1			
2180 N-021	–	–	198993

4682 Chain tube cutter

- Easy adjustment due to T-screw during cutting process



- Application: For cutting e.g. exhaust pipes especially made from V2A steel up to a wall thickness of 2.5 mm and 75 mm Ø
- Extended cutting diameters are achieved by using extension chain HAZET 4682-01
- Little effort, fixed with Grip technique
- Surface: nickel-plated

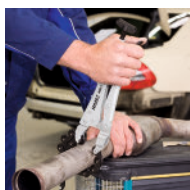


HAZET No.	Ø mm	l mm	EAN-No. 4000896+
4682	15–75	255	022168
Replacement set (9 pieces) for cutting chain 4682-01			
4682-01/9	–	–	057214

- Easy adjustment due to T-screw during cutting process



- Application: For cutting pipes made of galvanized or stainless (V2A) steel, copper, PVC and aluminium up to a wall thickness of 6 mm and 115 mm Ø
- 15 cutting wheels made of alloyed steel
- Surface: nickel-plated



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
4682-1	20–115	315	149384
Spare chain for 4682-1			
4682-03	–	–	149421

2130 Wire brush

- Made in Germany



- Wear-resistant wire bristles

- 4 rows
- Trim size: 25 mm
- Wooden body
- With suspension hole



HAZET No.	l mm	EAN-No. 4000896+
2130	290	012510

- For e.g. sheet steel made of V2A and aluminium



- 4 rows
- V2A bristles
- Wooden body
- With handle hole



HAZET No.	l mm	EAN-No. 4000896+
2130-1	280	012527

2131 Spark plug brush

- Made in Germany



- Special corrugated brass wire bristles

- Application: For cleaning electrodes and contacts on spark plugs
- 3 rows
- Trim size: 15 mm
- Wooden body



HAZET No.	l mm	EAN-No. 4000896+
2131	150	012541

4968 Brake calliper brush

- Made in Germany



- Slim design

- Application: For the removal of stubborn brake dust and dirt from the disc brake calliper
- Plastic handle with suspension hole



HAZET No.	l mm	EAN-No. 4000896+
4968-2	225	084821

4968 Brass brake calliper brush

- Made in Germany



- Soft brass bristles facilitate damage-free cleaning

- Application: For cleaning aluminium brake callipers
- Slim design – allows working in areas with restricted access
- Plastic handle with suspension hole



HAZET No.	l mm	EAN-No. 4000896+
4968-3	225	089147



Thread repair

840 Screw extractor

Made in Germany

- Ground



HAZET No.	Ø mm	mm	M	EAN-No. 4000896+
840-1	1.8	1.4– 3.6	3– 6	035687
840-2	2.6	2.1– 4.9	6– 8	035694
840-3	3.7	3.1– 6.5	8– 11	035700
840-4	5.5	4.8– 8.8	11– 14	035717
840-5	7	6.2– 11	14– 18	035724

840 Screw extractor set

Made in Germany

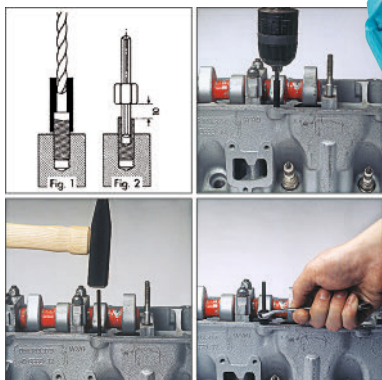
- Plastic box



HAZET No.		EAN-No. 4000896+
• Screw extractor set, contents: 840-1 2 3 4 5		
840/5	5	035762
• Screw extractor set, contents: 840-1 2 3 4 5 6 7 8		
840/8	8	035786

841 Stud extractor set

- Plastic box
- Surface: burnished, oiled



HAZET No.		EAN-No. 4000896+
25 pieces, in plastic box		
841/25	25	060993
• Union Nuts		
841-01	–	074433
841-02	–	074440
841-03	–	074457
841-04	–	074464
841-05	–	074471
• Tapping Sleeves		
841-06	–	074488
841-07	–	074495
841-08	–	074501
841-09	–	074518
841-010	–	074525

841 Stud extractor set

HAZET No.		EAN-No. 4000896+
841-011	–	074532
841-012	–	074549
841-013	–	074556
841-014	–	074563
841-015	–	074570
• Stud extractor		
841-016	–	074587
841-017	–	074594
841-018	–	074600
841-019	–	074617
841-020	–	074624

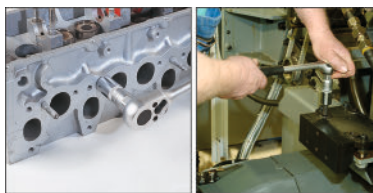
Tapping sleeve	Drill Ø mm	Stud extractor	Suitable for	
841-06	4	841-016	M 5	3/16"
841-07	4	841-016	M 6	9/32" 1/4"
841-08	4	841-016	M 7	9/32"
841-09	4	841-016	M 8	5/16"
841-010	5	841-017	M 8	5/16"
841-011	5	841-017	M 9	11/32"
841-012	5	841-017	M10	3/8"
841-013	6	841-018	M11	7/16"
841-014	7,5	841-019	M12	15/32"
841-015	8,5	841-020	M14	9/16"

844 Stud bolt extractor

Made in Germany

- For installing and removing stud bolts and set screws with right-hand or left-hand thread without damage
- ☐ drive 12.5 = 1/2" or ≤ 21 mm outside hexagon
- Surface: chrome-plated, polished

125 1/2



HAZET No.	Ø mm	l mm	Ø mm	EAN-No. 4000896+
844- 6	23	65	6	035823
844- 7	23	65	7	035830
844- 8	23	65	8	035847
844-10	27	75	10	035809
844-12	27	75	12	035816

844 Stud bolt extractor set

Made in Germany

- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Surface: chrome-plated, polished

E 125 1/2





Hand tools

Thread repair

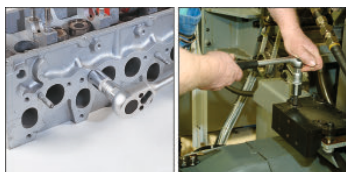


844 Stud bolt extractor set

Ⓔ 12 1/2



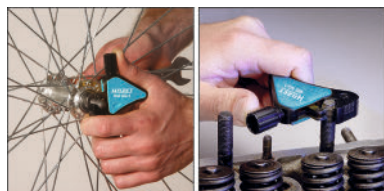
844 • 12 1/2
844- 6 • 844- 7 • 844-8
844-10 • 844-12



HAZET No.	L x W x H mm		EAN-No. 4000896+
844/5	185x153x52	5	035878

842 AG Universal thread repair tool

- For thread diameters 4–13 mm ($\frac{5}{32}$ " – $\frac{1}{2}$ ")
- Application: Repairs right-hand and left-hand threads (observe direction of rotation!)
All forms of metric and non-metric threads (60° flank measurement)
- Quick fixation due to adjusting screw
- Blade automatically adapts to any thread pitch within range



HAZET No.	M	EAN-No. 4000896+
842 AG-1	4–13 mm / $\frac{5}{32}$ " – $\frac{1}{2}$ "	140718

- For thread diameters 16–38 mm ($\frac{5}{8}$ " – $1\frac{1}{2}$ ")
- Application: Repairs right-hand and left-hand threads (observe direction of rotation!)
all forms of metric and non-metric threads (60° flank measurement)
- Quick fixation due to adjusting screw
- Blade automatically adapts to any thread pitch within range



HAZET No.	M	EAN-No. 4000896+
842 AG-3	16–38 mm / $\frac{5}{8}$ " – $1\frac{1}{2}$ "	149230

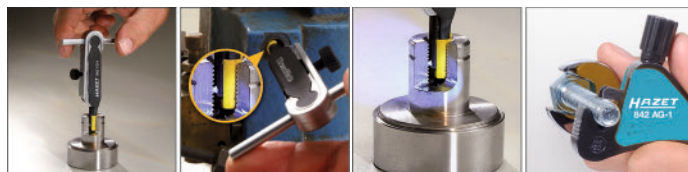
842 AIG Universal thread repair tool set

- For outside thread 4–13 mm ($\frac{5}{16}$ " – $\frac{1}{2}$ ") and inside thread 5–12 mm ($\frac{13}{64}$ " – $\frac{1}{2}$ ")

- Application: Repairs right-hand and left-hand threads (all forms of metric and non-metric threads)
- Simple and quick fixation due to knurled screw
- Also suitable for aluminium threads
- 1 tool for outside threads
- 2 tools for inside threads
- Protective covers for aluminium threads



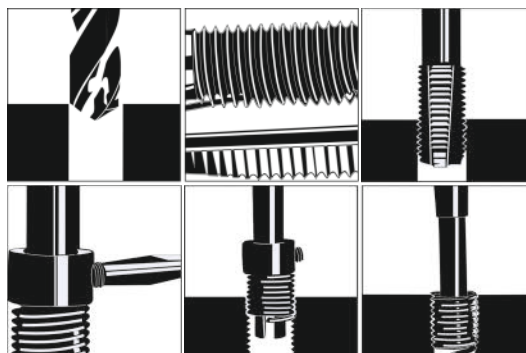
842 AIG Universal thread repair tool set



HAZET No.		EAN-No. 4000896+
842 AIG-1/4	4	153428

842 N Thread repair tool set

- Thread reinforcement of materials presenting a low shearing resistance. Application e.g. in machine construction, automotive engineering, electrical and medical engineering
- High-quality chrome-nickel stainless steel provides good inside threads resisting the influences of weathering and corrosion
- Plastic box



HAZET No.		EAN-No. 4000896+
--------------	--	---------------------

- 130-piece set M5 to M12, contents:
- 25 threaded inserts each
M5x0.80 mm x 7.5 mm
M6x1.00 mm x 9.0 mm
M8x1.25 mm x 12.0 mm
M10x1.50 mm x 15.0 mm
- 10 threaded inserts M12x1.75 mm x 18.0 mm
- 5 twist drills, 5 thread cutters, 5 assembly tools, 5 pins breaks

842 N-512/130 130 167289

- 118-piece set, M6 to M14
- M14 in particular for spark plug thread
- Contents:
25 threaded inserts each
M6x1.00 mm x 9.0 mm
M8x1.25 mm x 12.0 mm
M10x1.50 mm x 15.0 mm
- 10 threaded inserts M 12 x 1.75 mm x 18.0 mm
- 5 threaded inserts each
M14x1.25 mm x 8.4 mm
M14x1.25 mm x 12.4 mm
M14x1.25 mm x 16.4 mm
- 4 twist drills, 5 thread cutters, 5 assembly tools, 4 pins breaks

842 N-614/118 118 167272

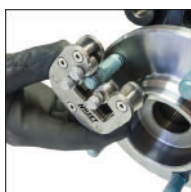


843 Thread roll set

Made in Germany

• For tensionless thread repair

- Smooth and effortless maintenance of a defect thread
- Tensionless thread restoration
- No replacement of expensive vehicle components through new professional repair option
- Maintenance of components often possible in the installed state
- Strength of the component is maintained
- Even the beginning of the thread is able to be restored without any problems
- Application of the thread-roll set ensures burnishing, the corrosion decreases
- Extremely practical tool also facilitates work in areas with restricted access (especially with large diameters)
- Easy manual operation without much physical effort
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



HAZET No.	L x W x H mm		EAN-No. 4000896+
• For threads with $\varnothing$ 5 to 16 mm 1 roller set, 1.25 mm pitch – right-hand thread 1 roller set, 1.5 mm pitch – right-hand thread		1/9	
• SmartCase (1/9) 165-S 1 base component, 1 offset screwdriver			
843-1/8	185x153x52	8	200566
• For threads with $\varnothing$ 10 to 36 mm 1 roller set, 1.5 mm pitch – right-hand thread 1 roller set, 2.0 mm pitch – right-hand thread		1/3	
• SmartCase (1/3) 165-L 1 base component, 2 offset screwdrivers			
843-2/9	355x235x65	9	200559
• For threads with $\varnothing$ 10 to 60 mm 1 roller set, 1.5 mm pitch – right-hand thread 1 roller set, 2.0 mm pitch – right-hand thread		1/3	
• SmartCase (1/3) 165-L 1 base component, 2 offset screwdrivers			
843-3/9	355x235x65	9	200542
• For threads with $\varnothing$ 50 to 110 mm 1 roller set, 1.5 mm pitch – right-hand thread 1 roller set, 1.5 mm pitch – left-hand thread (*) (*) 1.5 mm right and left-hand threads are e.g. often used on commercial vehicle axles		1/3	
• SmartCase (1/3) 165-L 1 base component, 2 offset screwdrivers			
843-4/9	355x235x65	9	200535



849 Tap and die set

• High performance thread cutter made of HSS steel

(E)

- Application: For problem-free **rethreading** even in areas with restricted access
- Operation with reversible ratchet
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- Tap and die set, contents:
849 IG-M 3 M 4 M 5 M 6 M 8 M 10 M 12
849 AG-M 3 M 4 M 5 M 6 M 8 M 10 M 12
849 IG-6.3 8
849 AG-6.3 10
2100-025 2250-1 3



HAZET No.	L x W x H mm		EAN-No. 4000896+
849	355x235x65	21	035984

849 IG COMPONENTS

HAZET No.	M	l mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
• Taps for female threads					
849 IG-M 3	M3x0.5	–	–	–	036127
849 IG-M 4	M4x0.7	–	–	–	036134
849 IG-M 5	M5x0.8	–	–	–	036141
849 IG-M 6	M6x1.0	–	–	–	036158
849 IG-M 8	M8x1.25	–	–	–	036165
849 IG-M 10	M10x1.5	–	–	–	036103
849 IG-M 12	M12x1.75	–	–	–	036110
• Dies for male threads					
849 AG-M 3	M3x0.5	–	–	–	036035
849 AG-M 4	M4x0.7	–	–	–	036042
849 AG-M 5	M5x0.8	–	–	–	036059
849 AG-M 6	M6x1.0	–	–	–	036066
849 AG-M 8	M8x1.25	–	–	–	036073
849 AG-M 10	M10x1.5	–	–	–	036011
849 AG-M 12	M12x1.75	–	–	–	036028



Hand tools

Thread repair / Measurement



849 IG COMPONENTS

HAZET No.	mm	l mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
• Collet chuck • 6.3 = 1/4", for taps 849 IG-M 3 to M 6 (in conjunction with adapter 2250-1) 849 IG-6.3 – – – – 036080					
• Collet chuck • 8 = 5/16", for taps 849 IG-M 8 to M 12 (in conjunction with adapter 2250-3) 849 IG-8 – – – – 036097					
• Tool holder □ drive 6.3 = 1/4", for dies 849 AG-M 3 to M 6 849 AG-6.3 – – – – 036004					
• Tool holder □ drive 10 = 3/8", for dies 849 AG-M 8 to M 12 849 AG-10 – – – – 035991					
• Offset screwdriver 2100-025 – – 58.5 20.5 011285					
• 6.3 = 1/4" – □ 6.3 = 1/4" 2250-1 – 23.5 – – 015443					
• 8 = 5/16" – □ 10 = 3/8" 2250-3 – 31 – – 015474					

2126 Thread restorer

- Application: For restoring damaged outside or inside threads
- Surface: nickel-plated
- For threads M 5 to M 27



HAZET No.	l mm	EAN-No. 4000896+
2126	230	012497

847 Mechanical nut splitter

Made in Germany

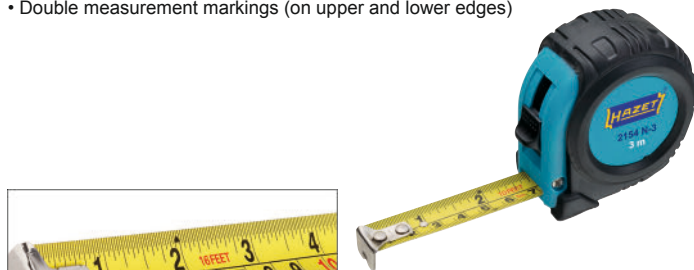


HAZET No.	mm	EAN-No. 4000896+
• For splitting tight nuts of the quality ranges 5 and 6 847-0410 A 7–16 139903 847-1027 A 13–24 139910 Spare chisel for 847-0410 A and 1027 A 847-10 A – 144150		

Measurement

2154 N Measuring tape

- With belt clip
- Extra large tape reduces flexure
- Lockable using slide button with integrated slide control
- Special hook (end of blade) for accurate interior and exterior measurements
- Shock-absorbing two-component plastic housing
- High-quality spring allows that the blade is automatically pulled in
- Tough coating protects from corrosion and wear
- Double measurement markings (on upper and lower edges)



2154 Measuring tape

Made in Germany

- For inside and outside measurements
- Euro-Standard II
- 2 m
- Solid ABS-plastic housing, 76 x 56 mm



HAZET No.	l mm	EAN-No. 4000896+
2154-2	2000	013159

2154 Precision vernier calliper

- Measuring range up to 150 mm
- With depth gauge
- mm and inch increments
- Nonius 0.05 mm and 1/128"
- With fixing screw
- In pocket
- Made of stainless steel
- DIN 862



HAZET No.	l mm	EAN-No. 4000896+
2154-10	234	013142



2154 N Vernier calliper, digital

- Measuring range up to 150 mm
- With depth gauge
- Reversible from mm to inch
- With interface RS 232 C for data processing
- On/off switch
- Battery included
- Made of stainless steel
- Plastic box
- DIN 862



HAZET No.	l mm	EAN-No. 4000896+
2154 N-20	234	127696

2155 N Precision micrometer

- With clamp ring and ratchet stop
- Spindle hidden inside, ground and hardened, adjustable
- With insulating plates
- Carbide tipped measuring surface
- Pitch 0.5 mm reading 0.01 mm
- Wooden box
- DIN 863/III



HAZET No.	EAN-No. 4000896+
2155 N-25	127702
2155-50	073276

2155 Dial gauge



2155 Dial gauge



HAZET No.	EAN-No. 4000896+
Magnetic dial gauge stand	
• Magnetic base with prism support (e.g. for shafts) • On/Off switch for magnetic force • Dial gauge holder for 4.5 mm and 8 mm shaft • Horizontal rod for fine adjustment and articulation	
2155-60	144303
Mechanical Dial Gauge	
• Scale graduation: 0.01 mm • Measuring range: 8 mm • 1 needle rotation: 1 mm • Rotary and lockable scale • Target area can be limited by two needles • Clamping shaft: $\varnothing$ 8 mm • Suitable for application with TDC Position Tool 3688-10	
2155-65	144501

2145 Precision knife-edge straightedge



- Measuring edge hardened

- Application: For inspecting the evenness (flatness) of surfaces, e.g. cylinder head
- Ground and lapped
- Stainless
- Non-glaring
- With insulating handle
- In artificial leather case
- DIN 874-2



HAZET No.	l mm	EAN-No. 4000896+
2145-500	500	073146

2147 Feeler gauge



HAZET No.	l mm	mm	EAN-No. 4000896+
• mm dimensions = feeler gauge set D • 20 pieces 0.05–1.0 • Length of blades (bore hole – tip: 69.73 mm) • Radius on the tip 15 mm • For checking the electrode distance in spark plugs			
2147	106	0.05–1.0	012824
• 2147 MS: made from brass – non-magnetic – • For setting e.g. sensors at ABS • For checking the electrode distance of platinum spark plugs • 20 pieces increasing by 0.05–1.0 mm • For checking the electrode distance in spark plugs			
2147 MS	106	0.05–1.0	057603



VDE Assortment

263

VDE Socket

263

VDE Screwdriver

264–265

VDE Pliers

266–267

Tools for Electricians

268–268

VDE torque wrench

269





VDE tools

For safe application up to 1000 volts

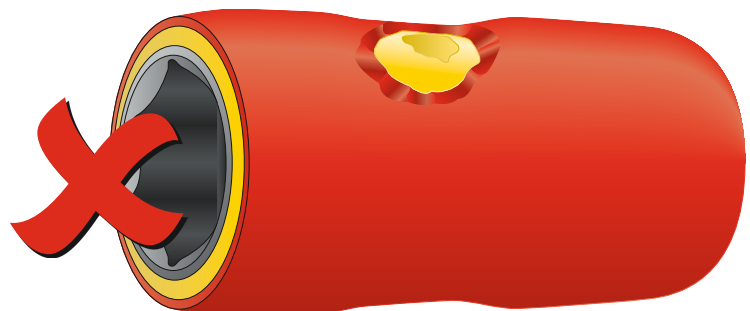
What are VDE tools?

- VDE tools have a special protective insulation and must be tested according to IEC 60900.
- The standard also prescribes the marking with the manufacturer name, model and type designation and year of manufacture. VDE tools are identified by the “Double triangle” logo and the 1000 V specification and the VDE logo.
- All requirements stipulated in the DIN ISO for the torque, forces and hardness, for example, must be complied with.



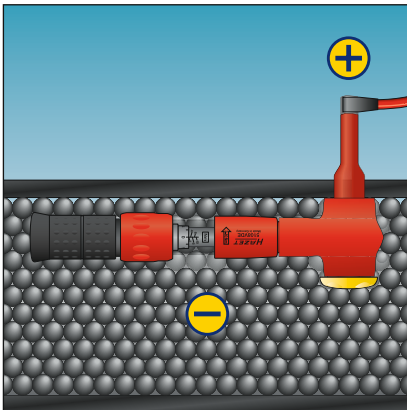
Special HAZET VDE protective insulation

- HAZET VDE tools normally have a two-tone multilayer safety insulation, i.e. a red layer on the outside and a yellow layer on the inside. This design supports building regulation BGV A3 (VBG-4)
- The insulation must not exhibit any visual damage. If the inner yellow insulation layer is visible anywhere, the tool must be disposed of immediately since there is a risk of electric shock. It is no longer possible and extremely dangerous to work with the power connected.
- VDE tools with sprayed on insulation only have a single red layer. For safety reasons, the user should therefore check that the insulation is intact before starting work with the power connected to guarantee his safety.



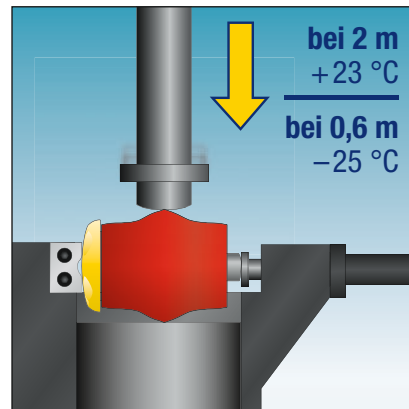


Requirements for a VDE protective insulation using the example of a HAZET VDE torque wrench



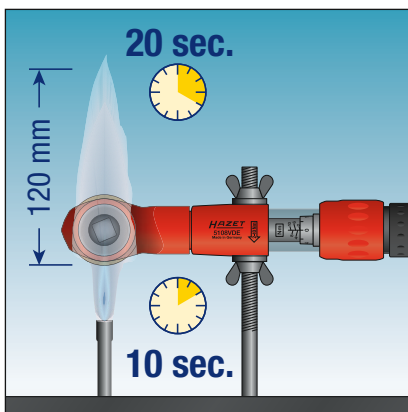
Electrical test [type testing]

No breakdowns or arcing may occur in the vicinity of the insulation after 48 hours of moisture-proof storage with a 3-minute measurement under 10,000 V.



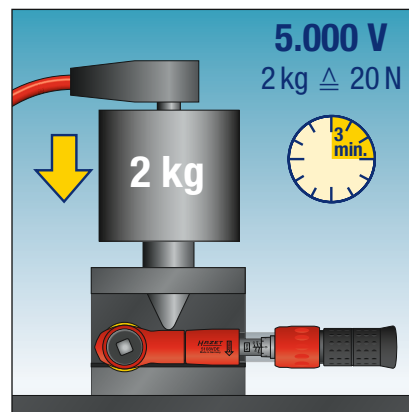
Cold impact test [type testing]:

With a retention time of 2 hours at an ambient temperature of -25 °C, the insulation must not present any cracks or other damage during targeted shocks and impacts (falling height 0.6 m).



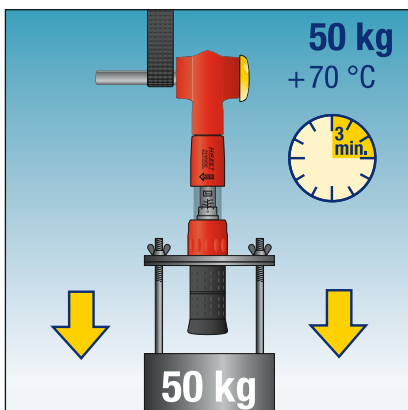
Burn test [type testing]:

After 10 seconds in a flame, the insulation must not prove to be “easily combustible”.



Pressure test [type testing]:

After being stored for 2 hours at a temperature of 70 °C, at a pressure load of 20 N and with a 3-minute measurement under 5,000 V, there must be no punctures or arcing in the insulation.



Test for adhesion:

The insulation must not come loose or slacken when under a tensile load for 3 minutes with 500 N after 168 hours in a climatic chamber at +70°C.

**All VDE tools go through a
10,000 V individual inspection!**



VDE tools



This test mark is assigned by the German Electrotechnology, Electronics and Information Technology Association (VDE). It certifies compliance with high safety standards and standard conformity for electrotechnical products or products in the sense of the Product Safety Law (ProdSG) in an electrical, mechanical, thermal and toxic respect.

This symbol indicates individually tested tools (in individual test) that have been tested with 10000 V AC (alternating current) according to EN 60900/IEC 60900.

The GS mark is a German seal and stands for "Tested Safety". Then the product is inspected on a regular basis. Testing is carried out by the TÜV or the VDE Institute, for example. Due to the Equipment Safety Law, the GS mark must only be used in conjunction with the test body symbol.

Do you know?



Things to know before working with VDE tools

Here are some safety recommendations for your own protection and safety:

- All work under electrical voltage must only be carried out by trained specialist personnel
- Only tools and equipment that have the "Double triangle" and 1000 V icon on them (see also building regulation BGV A3) are permitted
- The insulation must be checked for damage every time before starting work
- Dispose of damaged tools or ensure that they are NO LONGER used for work under voltage
- Comply with regulations from professional associations, etc. and/or power supply companies
- HAZET VDE tools ensure safe and risk-free work up to 1000 V AC (alternating current) and 1500 V (direct current)



Hand tools

VDE tools



0-20 Tool assortment VDE

• Tool assortment for electricians



810 VDE • •
0.4 x 2.5 • 0.6 x 3.5 • 0.8 x 4

810 VDE • •
PH 1 • PH 2

839 • •
0.5 x 2.8

1803 VDE-33

1816 VDE-22

1826 VDE-22

1841 a VDE-22

1841 b VDE-33

1850 VDE-22

1862

2154 N-3

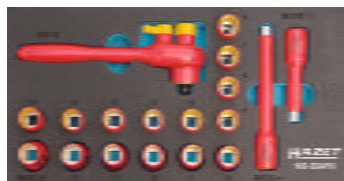
HAZET No.		EAN-No. 4000896+
0-20/14	14	192526

163 VDE socket set

• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/3				
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880 VDE • • •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22

8816 VDE • •

8821 VDE • • •
8821 VDE-3 • 8821 VDE-5

HAZET No.	W x D mm		EAN-No. 4000896+
163-230/18	342 x 172	18	177837

8816 Reversible ratchet

- Number of teeth: 30 (Opening angle 12°)
- With locking ball
- Surface: with protective insulation

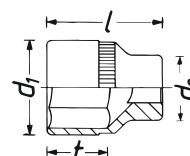


HAZET No.	l mm	EAN-No. 4000896+
8816 VDE	194	173211

880 VDE 6-point socket

• Made in Germany

- Surface: with protective insulation
- EN/IEC 60900:2004

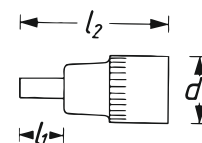


HAZET No.	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
880 VDE- 6	40	23	12	6.5	172832
880 VDE- 7	40	23	13	6.5	172849
880 VDE- 8	40	23	14.1	6.5	172856
880 VDE- 9	40	23	15.4	6.5	172863
880 VDE-10	41	23	16.6	7.3	172870
880 VDE-11	42	23	18	8.4	172887
880 VDE-12	43	23	19	9.3	172894
880 VDE-13	43.5	23	20.5	9.8	172900
880 VDE-14	45.5	23	22	11.8	172917
880 VDE-16	45.5	23	24.2	11.7	172924
880 VDE-17	45.5	23	25.4	11.7	172931
880 VDE-18	47.5	23	26.7	13.7	172948
880 VDE-19	47.5	23	28	13.7	172955
880 VDE-20	47.5	23	29	13.7	172979
880 VDE-22	50	23	32	15.6	172962

8808 LG Screwdriver socket

• Made in Germany

- Medium length design
- Surface: with protective insulation
- DIN 2324, DIN 2325, EN/IEC 60900:2004



HAZET No.	M	l ₁ mm	l ₂ mm	d ₁ mm	EAN-No. 4000896+
8808 Lg- 8 VDE	8	98.9	144.5	23	173563
8808 Lg-10 VDE	10	98.8	145.3	23	173556
8808 Lg-12 VDE	12	99	145.3	23	173358

8821 VDE Extension

• Made in Germany

- With locking ball
- Surface: with protective insulation



HAZET No.	l mm	EAN-No. 4000896+
8821 VDE-3	90	170791
8821 VDE-5	142	172986



150 Tool set for hybrid and electric vehicles

• In trolley case



Joint development with one of the leading car manufacturer and in accordance with the German TÜV SÜD

Trolley case:

- With 4-position telescopic slide-out from 950–1,150 mm
- Capacity: up to 40 kg
- Pushing or pulling is possible
- Rubberised, bearing big castors
- Tilt-resistant due to wide wheelbase
- Sturdy case made of break-proof X-ABS
- With double aluminium frame
- Sturdy tool boards

In addition, the set contains:

- 5 end caps each Ø 10 mm and 20 mm
- 2 warning signs "Hybrid", "Hybrid switch"
- 500 m barrier tape (width 50 mm)



759 N-2 VDE



810 VDE • 0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4



810 VDE • PH 1 • PH 2 • PH 3



810 VDE • T 20 • T 25 • T 30



880 VDE • 6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22



8808 LG • M 8 • M 10 • M 12



8816 VDE • 8821 VDE • 8821 VDE-3 • 8821 VDE-5



8821 VDE • 8821 VDE-3 • 8821 VDE-5



1802 VDE-22



1804 VDE-33



1816 VDE-22



1841 b VDE-33



1850 VDE-44



2156 VDE-2

804 VDE VDE screwdriver set

• Made in Germany

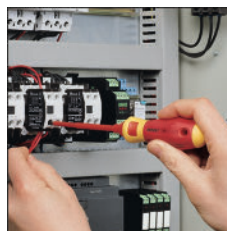
• Safety tool according to DIN ISO 60900



- All screwdrivers 10,000 volts tested, safe working guaranteed up to 1,000 volts
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Round blade
- Sheet metal box
- Surface: with protective insulation

- 2,5x0,4 3,0x0,5 3,5x0,6
- 4,0x0,8 5,5x1,0 6,5x1,2

- PH 1 PH 2
- PZ 2
- T 10 T 15 T 20



HAZET No.

804 VDE/14



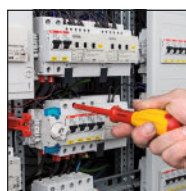
14

EAN-No. 4000896+

133000

810 VDE screwdriver set

• Voltmeter, 220–250 V as per VDE 0680



810 VDE • 0.4x2.5 • 0.6x3.5 • 0.8x4

810 VDE • PH 1 • PH 2



839 • 0.5x2.8

HAZET No.

810/6 VDE



6

EAN-No. 4000896+

179329



Hand tools

VDE tools



810 VDE VDE screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/3				
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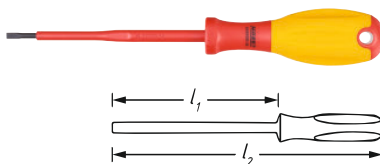
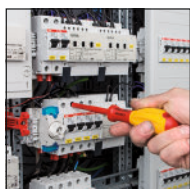
810 VDE • 
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4

810 VDE • 
PH 1 • PH 2 • PH 3

HAZET No.	W x D mm		EAN-No. 4000896+
163-229/7	342x172	7	177844

810 VDE Screwdriver for electricians

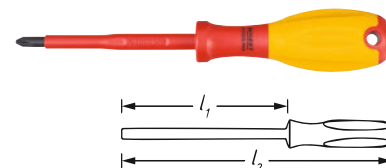
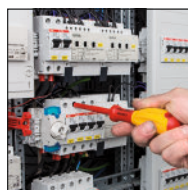
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Round blade
- Surface: tip burnished, with protective insulation



HAZET No.	 mm	 mm	l_1 mm	l_2 mm	EAN-No. 4000896+
810 VDE-25	2.5	0.4	75	155	174089
810 VDE-30	3	0.5	100	180	174355
810 VDE-35	3.5	0.6	100	190	174362
810 VDE-40	4	0.8	100	190	174379

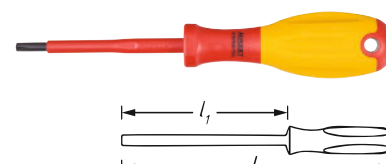
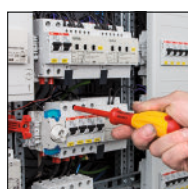
810 VDE Screwdriver for electricians

- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Round blade
- Surface: tip burnished, with protective insulation



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810 VDE-PH 1	80	180	174386
810 VDE-PH 2	100	210	174393
810 VDE-PH 3	150	270	174409

- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Round blade
- Surface: tip burnished, with protective insulation



HAZET No.	l_1 mm	l_2 mm	 mm	EAN-No. 4000896+
810 VDE-T 20	80	180	3.86	174416
810 VDE-T 25	80	180	4.43	174423
810 VDE-T 30	100	210	5.52	174430

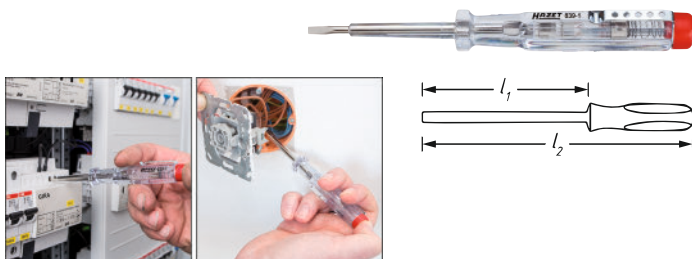




839 Voltmeter

Made in Germany

- 220–250 V according to standard VDE 0680
- Slotted blade, concave ground
- Extra long handle, 92 mm
- With clip
- Defective glow tube not replaceable according to VDE
- Round blade



HAZET No.	mm	mm	l_1 mm	l_2 mm	EAN-No. 4000896+
839-1	2.8	0.5	58	150	035670

163 VDE pliers set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



759 N-2 VDE	1803 VDE-22	1841 b VDE-33	1850 VDE-22
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HAZET No.	W x D mm		EAN-No. 4000896+
163-226/4	342x172	4	177875

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1802 VDE-22	1804 VDE-33	1860 VDE-11
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HAZET No.	W x D mm		EAN-No. 4000896+
163-227/3	342x172	3	177868

1850 VDE VDE combination pliers

Made in Germany

- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5746



HAZET No.	l mm	EAN-No. 4000896+
1850 VDE-22	160	007202
1850 VDE-33	180	007219
1850 VDE-44	200	007226

1803 VDE VDE diagonal cutter

Made in Germany

- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² Ø 800	Rm N/mm ² ● 1600	EAN-No. 4000896+
1803 VDE-22	160	2.8	2	006137
1803 VDE-33	180	3	2.5	006144

1802 VDE VDE heavy-duty diagonal cutter

Made in Germany

- Optimum leverage ratio due to small distance between joint and cutting edges



- Forged design
- Easy motion joint free of clearance
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5749



HAZET No.	l mm	Rm N/mm ² Ø 800	Rm N/mm ² ● 1600	Rm N/mm ² ● 2300	EAN-No. 4000896+
1802 VDE-22	180	3.8	2.7	2.2	086382



Hand tools

VDE tools



1804 VDE VDE cable shears

Made in Germany



- With twin cutting edge
- Cutting of copper- and aluminium cables without squeezing
- Handles with dip coating
- Surface: with protective insulation



HAZET No.	l mm	EAN-No. 4000896+
1804 VDE-33	208	173631

1841 AVDE VDE snipe nose pliers

Made in Germany



- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 a VDE-22	160	006397

1841 BVDE VDE snipe nose pliers

Made in Germany



- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Flat round shape, induction-hardened cutting edges
- Obtusely curved (45°)
- Cutting edge hardness: 60 HRC
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1841 b VDE-33	200	006441

1816 VDE VDE flat nose pliers

Made in Germany



- With long jaws
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Flat form
- Straight design
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1816 VDE-22	160	006298

1826 VDE VDE round-nose pliers

Made in Germany



- With long jaws
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1826 VDE-22	160	006328

759 N VDE Universal pliers

Made in Germany



- Water pump pliers
- Box-joint
- Jaw and joint polished
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Box joint
- Surface: with protective insulation
- EN/IEC 60900:2004, DIN ISO 8976



HAZET No.	l mm	sb mm	sb mm	EAN-No. 4000896+
759 N-2 VDE	251	30	10-36	174072

1860 VDE VDE wire stripper

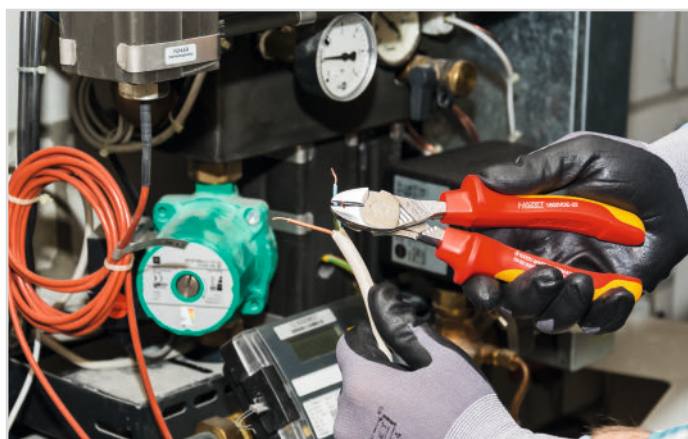
Made in Germany



- For wire with a cross-section up to 6 mm²
- With adjusting screw and opening spring
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- EN/IEC 60900:2004



HAZET No.	l mm	EAN-No. 4000896+
1860 VDE-11	160	007288





1862 Automatic wire stripper

Made in Germany

- For PVC-insulated solid and flexible cables, conductor cross-section 0.5 up to 4 mm²
- Automatic adjustment to the conductor's cross-section, easy application – perfect result
- Integrated side cutter for wire cutting
- Plastic housing



HAZET No.	l mm	EAN-No. 4000896+
1862	180	007301

1863 Automatic wire stripper

Made in Germany

- Automatic adjustment to insulation thickness, easy application – perfect result
- Application: For wire stripping of electrical conductors, stranded conductors and cables
- For copper and aluminium conductors
- Stripping range PVC-insulated conductors, cross-section 0.2 up to 6 mm²
- Maximum stripping length 18 mm
- Spring-loaded knife-type blades
- With wire cutter for 4 mm² single-wired and 6 mm² fine-stranded conductors



HAZET No.	l mm	EAN-No. 4000896+
1863	205	007325

4656 Crimping pliers

Made in Germany

- Crimping of conductor crimp and insulation crimp in one working step

- Intensive insulation crimp with special profile geometry
- Integrated lock with releasing mechanism provides complete crimp
- All stressed parts are specially tempered
- Easy handling
- Profile coding
- Profiles / cross-sectional areas:
red: 0.5–1.0 mm² / AWG 20–16
blue: 1.5–2.5 mm² / AWG 16–14
yellow: 4.0–6.0 mm² / AWG 12–10
- Ergonomic soft grip handles with anti-slip covers
- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
4656-1	220	127351

4658 Crimping pliers

Made in Germany

- With quick-change system (locking pins allow fast and easy changing of the pliers' head)
- For a multitude of non-insulated cable and plug-type connectors
- Integrated lock with release mechanism ensures complete crimping process
- Less expenditure of force due to an optimal force transmission ratio
- Linear crimping providing consistent rolling of conductor and insulator crimp
- The insulation stop allows the positioning of the contact in the crimping profile independent of the type of contact used
- With change head for cross sections 0.35–1.5 mm² complete, basic tool included
- Profile 1: 0.35–0.5 mm²
- Profile 2: 1.5 mm²
- Profile 3: 0.5–1.0 mm²
- Conductor crimp = B-crimp / insulation crimp = O-crimp



HAZET No.	l mm	EAN-No. 4000896+
4658-10	150	129515

2156 Cable Knives

- Blade made of stainless steel
- Plastic handle



HAZET No.	l mm	EAN-No. 4000896+
2156	110	013180

2156 VDE Cable stripping knife

Made in Germany

- With protection cap
- Blade made of stainless steel
- Plastic handle



HAZET No.	l mm	EAN-No. 4000896+
2156 VDE-2	180	173549

196 VDE Insulating mat

- For working on high-current parts, in carrier bag

- Rubber Mat, tested: 50.000 V, according to VDE 0303
- One side smooth and one side anti-slipping, grooved
- Dimensions: 1000 x 1000 x 4.0 mm
- Carrier bag design
- Carrying strap removable
- Length: 1000 mm
- Diameter: 160 mm
- Polyester, red



HAZET No.		EAN-No. 4000896+
196 VDE-8/2	2	174836



5000 VDE VDE torque wrench

Made in Germany

• Can be readjusted and recalibrated

Possible repairs to the VDE torque wrenches in the HAZET Service Centre

- Long life/accuracy through the option of:
 - Disassembly
 - Adjustment
 - Repair (if necessary)
 - Calibration
 - Assembly
- Suitable for control of inspection and test equipment
- Sustainable and environmentally sound
- Fine scale graduation with vernier scale
- Locking against unintentional adjustment of the setting value
- Safe torque release:
 - palpable (close gap release)
 - audible ("click" sound)
- Right/left release by square box wrench, thereby tightening at torque setting both to the right and to the left within the specified tolerance
- VDE-tested
- Using sockets from other manufacturers is possible provided they conform to the standard IEC 60900:2012 or DIN EN 60900
- Low weight for good handling and fatigue-free work

Product design features

- Slim design in strict accordance with the required insulating properties (material strength/overlaps)
- Smooth transitions on switching and moving parts with ergonomic handle design and calibration notch
- Consistent appearance even when using other components (e.g. red insulated sockets)
- Attractive colour design of the housing and head with established VDE signal colours red/yellow
- Handle colour in black to make a distinction with the colour and to prevent it appearing dirty quickly
- No disturbing projecting parts (e.g. shift lever)



ATTENTION:

Repairs may only be carried out by the HAZET Service Center, as repair works must be followed by a 10,000 V routine test in accordance with IEC 60900

HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %		EAN-No. 4000896+
5108 VDE	10 %	275	2–10	0.2	6	1.0 – 5.0	200023
5109 VDE	10 %	305	5–25	0.5	4	2.1 – 11.0	200139





Torque technology



5000-2 CT	With reversible ratchet	$\pm 4 / 6\%$	1–320 Nm		288
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5000 CLT	With display and reversible ratchet	$\pm 4\%$	20–320 Nm		289
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5000 VDE	VDE-tested	$\pm 4\%$	2 – 25 Nm		269
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6000 CT	With reversible ratchet	$\pm 2 / 4\%$	1–800 Nm		290–291
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6000 CT	Can be disassembled, with reversible ratchet	$\pm 3 / 4\%$	400–2000 Nm		292
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6000 CT	US Standard, with reversible ratchet	$\pm 3\%$	5–600 lbf.ft		293
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6000 CT	With insert square	$\pm 2 / 4\%$	2–500 Nm		293–295
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6000 CT	Torque tool sets				295
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7000 eTAC	Electronic, with insert square and reversible ratchet	$\pm 2\% / \pm 1 \text{ digit}$	10–500 Nm		297–299
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6000	Torque screwdrivers for bits	$\pm 6 / 10\%$	0,4–5,4 Nm		300
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6000	Torque screwdrivers for bits	$\pm 5\%$	0,1–6 Nm		300
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6300 CT	With insert square and adjustable fixed value	$\pm 2\%$	2–320 Nm		301–302
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Insert tool holders



302–306

Torque testers, torque multipliers and accessories



307–309



Pictogram key

<i>b</i>	Width in mm
<i>a</i>	Height in mm
<i>l</i>	Length in mm
<i>s</i>	Wrench size in mm or inches
	TORX® Size in mm
	Actuating force in kg
	For inside hexagon screws
	For outside hexagon screws
	For inside TORX® screws
	TRACTION PROFILE 6-point

	TRACTION PROFILE 12-point
	Nominal size 6.3
	Nominal size 10
	Nominal size 12.5
	Nominal size 20
	Nominal size 25
	Inside square
	Outside square
	Inside hexagon
	Outside hexagon

	Female connection 9 x 12 mm in torque wrenches
	Female connection 14 x 18 mm in torque wrenches
	Number of teeth
	Rotation angle
	Scale graduation
	Passenger car
	Commercial vehicle
	Industry

The HAZET Service Centre

Direct contact and coordination point for services for all of our products



PHONE +49(0)2191/792-355
FAX +49(0)2191/792-523
e-mail service-center@hazet.de

- In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.
- Mainly the HAZET Service Centre provides you with the following services:
 - Repair, adjustment, calibration and certification of HAZET torque wrenches
 - All service tasks on HAZET torque wrenches, pneumatic tools, tool trolleys and the rest of the catalogue programme
 - Short response times
 - Contact partner in service matters

1. PDF-Formular vollständig ausfüllen und anschließend ausdrucken
 2. Ausgeschickten Lieferscheine der Ware beilegen
 3. Ware vorsorglich versichern, um Transportrisiken zu vermeiden
 4. Punkt ausreichend freierhand an HAZET-WERK • Remscheid versenden

Fragen: ☎ 02191 792-355 • FAX 02191 792-523 • service-center@hazet.de

HAZET-WERK
 Service-Center
 Goldenwerther Bahnhofstraße 25 - 29
 42857 Remscheid

HAZET
 Gernsse Werkzeug

Für alle Informationen oder weitere Hilfe:

HAZET-WERK
 Service-Center
 Goldenwerther Bahnhofstraße 25 - 29
 42857 Remscheid

Lieferschein-Nr.: **HAZET**
 Datum: **HAZET**
 Rechnungsempfänger: **HAZET**
 Warenrücksendung an: **HAZET**

Sehr geehrte Damen und Herren,
 anbei erhalten Sie folgende Werkzeuge zur Reklamation:
 Anzahl Artikel-Nr. Seriennummer *) Reklamationsgrund

Meldungsnummer





Adjustment/calibration

- A HAZET torque wrench should be checked and readjusted regularly. This is recommended after approx. 5000 screw operations (but this should be no later than twelve months).
- The checking frequency depends on the usage frequency. A HAZET torque tester is suitable for this.
- If a suitable torque tester with a click point indication is not available, we accept the HAZET torque wrench from your HAZET partner for inspection and adjustment at the factory.
- After testing and possible adjustment, the torque wrenches and torque testers sent to HAZET are given back to you with a test certificate.



HAZET SERVICE for torque wrenches and pneumatic tools

All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise about all the services provided by the HAZET Service Centre as well as local on-site services.



HAZET – Competence for calibration of torque and rotation angles

Accredited according to DIN EN ISO/IEC 17025 for measured values:

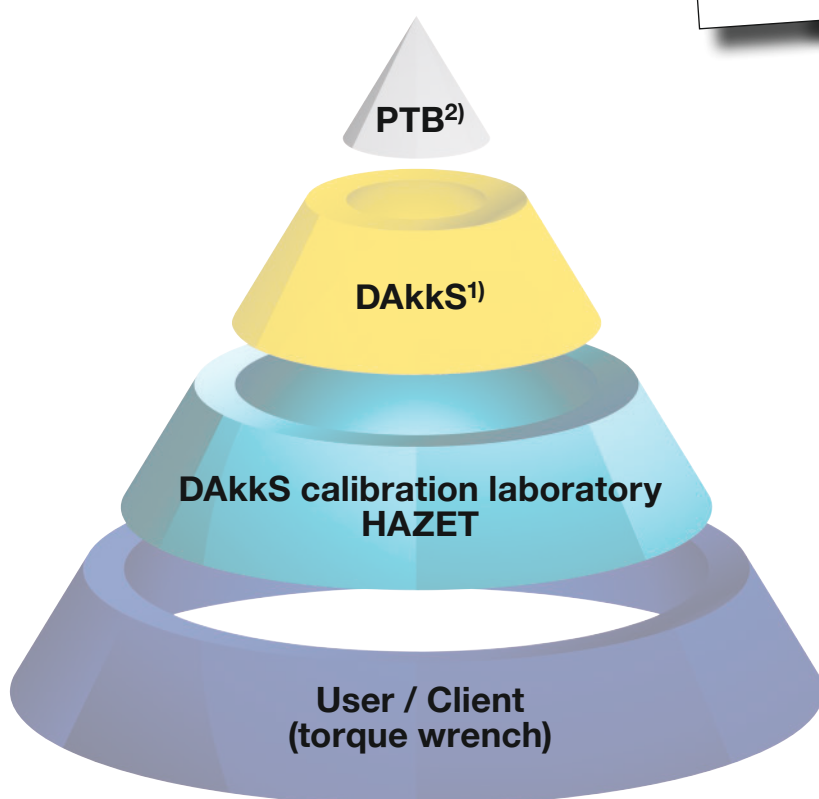
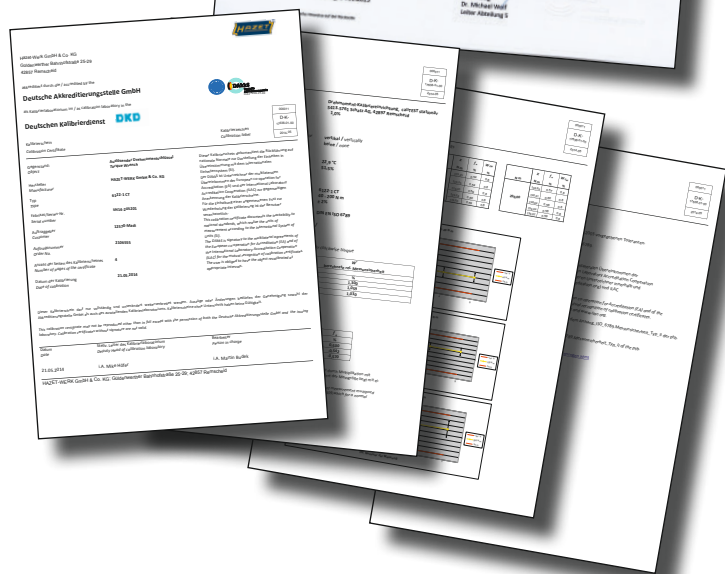
- Torque (DIN EN ISO 6789)
- Rotation angle (VDI/VDE 2648 page 2; without item 4.2)

Complies with special demands of ISO/TS 16949 for calibration laboratories

(mandatory requirement for all suppliers of the automotive industry)

HAZET-owned calibration laboratory guarantees optimal technical calibration competence by accreditation

Authorised to issue calibration certificates



Deutsche Akkreditierungsstelle
D-K-17638-01-00

1) DAkkS: Deutsche Akkreditierungsstelle GmbH (Nat. accreditation body for the Federal Republic of Germany, Berlin)

2) PTB: Physikalisch Technische Bundesanstalt (PTB is the national metrology institute providing scientific and technical services)



Torque technology



DAkkS calibration laboratory

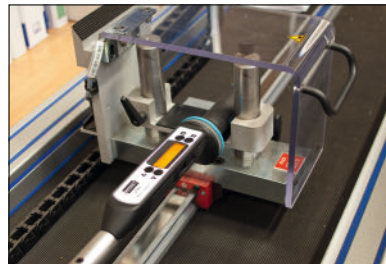
Competence for calibration of torque and rotation angles



Deutsche
Akkreditierungsstelle
D-K-17638-01-00

Do you know?

- Accredited according to DIN EN ISO/IEC 17025 for measured values:
 - **Torque** (DIN EN ISO 6789)
 - **Rotation angle** (VDI/VDE 2648 page 2; without item 4.2)
- Complies with special demands of ISO/TS 16949 for calibration laboratories (mandatory requirement for all suppliers of the automotive industry)
- HAZET-owned calibration laboratory guarantees optimal technical calibration competence by accreditation
- Authorised to issue calibration certificates



New wrenches with DAkkS calibration certificate

6106-1 CT CAL	6143-1 CT CAL	6290-1 CT CAL	7291-1 eTAC CAL
6108-1 CT CAL	6144-1 CT CAL	6291-2 CT CAL	7292-1 eTAC CAL
6109-1 CT CAL	6145-1 CT CAL	6291-1 CT CAL	7294-1 eTAC CAL
6110-1 CT CAL	6150-1 CT CAL	6292-1 CT CAL	7291-2 eTAC CAL
6111-1 CT CAL	6160-1 CT CAL	6293-1 CT CAL	7292-2 eTAC CAL
6121-1 CT CAL	6280-1 CT CAL	6294-1 CT CAL	7294-2 eTAC CAL
6122-1 CT CAL	6282-1 CT CAL	6295-1 CT CAL	
6123-1 CT CAL	6281-2 CT CAL	6296-1 CT CAL	

- DAkkS calibration for existing wrenches now possible



...with the highest safety for the professional user, in particular for:

- Aviation industry
- Automobile industry
- New-energy, wind turbines, offshore wind farms
- Petrochemical industry (oil/gas)

Documented traceability guarantees complete verifiability!



ELECTRONIC TORQUE WRENCH WITH BUILT-IN ANGLE GAUGE

- **Torque ranges: 10 – 400 Nm**
- As Workshop, Basic and TOP version
- Precise torque
Workshop version $\pm 2\%$, ± 1 Digit
Basic version $\pm 2\%$, ± 1 Digit
TOP version $\pm 1\%$, ± 1 Digit
- Choice of torque units:
Workshop version: Nm
Basic version: Nm/lbf.ft
TOP version: Nm / lbf.ft / lbf.in / kgf.m
- Rotation angle range (adding) up to 999 degrees
- 360° LED signal
- Vibration
- Audible signal
- Display 180° switchable



WORKSHOP VERSION (BLUE)

$\pm 2\%$, ± 1 Digit (or = 1°)

BASIC VERSION (WHITE)

$\pm 2\%$, ± 1 Digit (or = 1°)

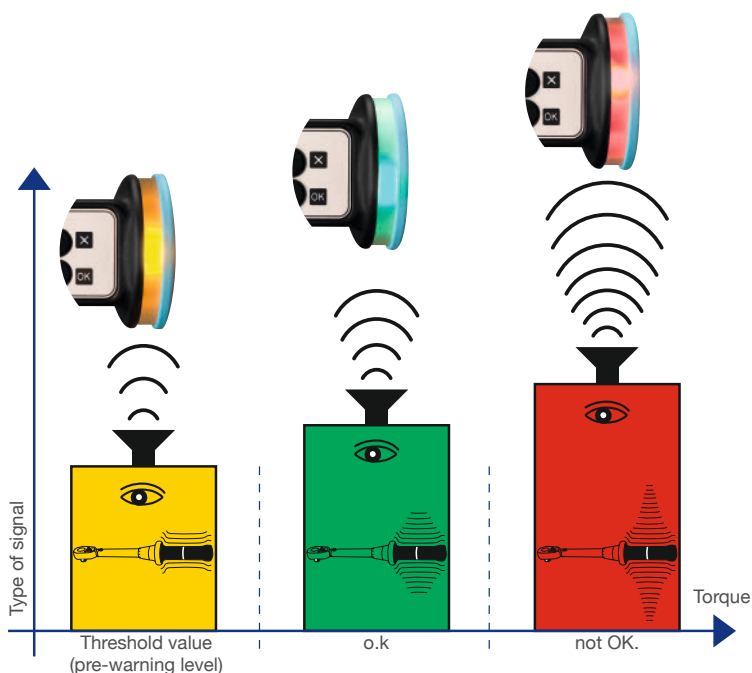
TOP VERSION (SILVER)

$\pm 1\%$, ± 1 Digit (or = 1°)



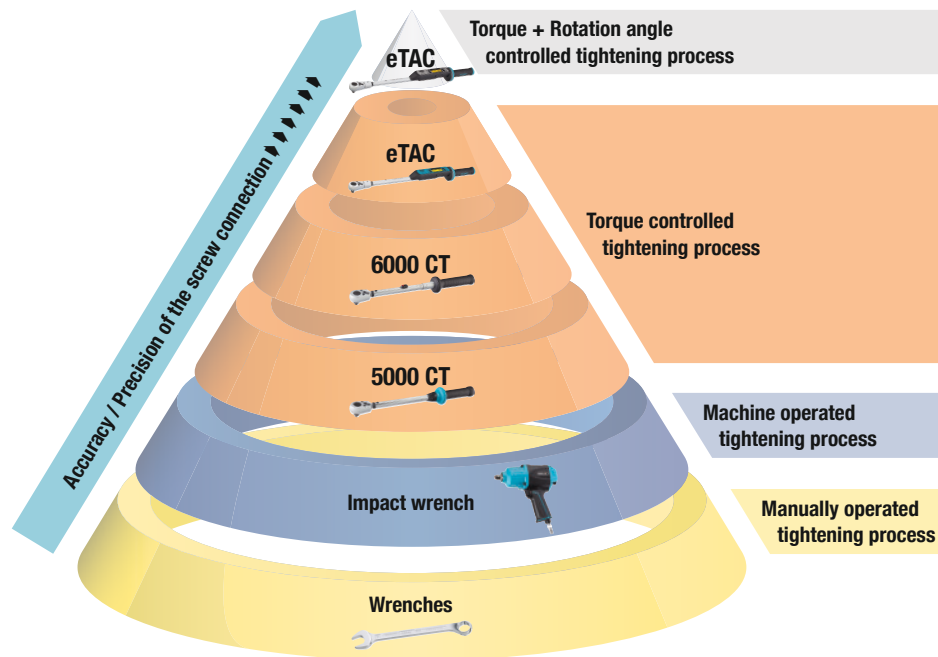
Signal types 7000 eTac: Workshop, Basic and TOP version

- Visual
+ Audible
+ Vibration
- = 3 times proven screwing reliability according to the principle of HAZET

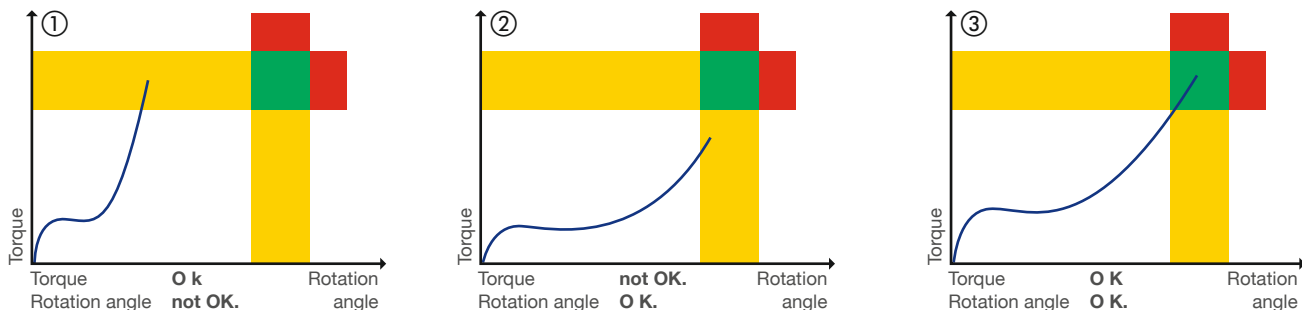




Increased screw connection quality through improvement in the screw tightening



The complete screw connection is only OK (Fig. ③) if the torque and rotation angle are both OK



Important: In particular for the joints using threaded fasteners of the category A (according to VDI guideline 2862), e.g. belt, airbag or rotor blades for wind energy plants!

Figure 1:
The torque is reached, but the rotation angle isn't. – Possible causes:

- Use of an incorrect screw that is too long.
- The component to be screwed is too thin, screw or nut is stuck in the end of the thread.
- The head and / or thread friction are too high because the surfaces are too rough and the screw has possibly "jammed", for example. The coating of the screw is not correct because a screw with a different coating was used or the coating is incomplete. There is not sufficient lubrication or an incorrect lubricant has been used.
- Screw or thread is damaged.
- Thread is incorrectly cut and not deep enough.
- There are chips from the thread cutting in the blind hole.
- A washer or a seal has been forgotten and the screw is in place.

Figure 2:
The rotation angle is reached, but the torque isn't. – Possible causes:

- Use of an incorrect screw that is too short and the thread has been ripped out.
- Use of an incorrect screw with insufficient strength.
- The head and / or thread friction are too low because the screw coating is incorrect.
- Use of an incorrect screw.
- Use of an incorrect lubricant.
- The screw or the thread is damaged and the thread has been ripped out.
- Installation of an incorrect seal that is too soft.



Product overview of HAZET torque wrenches

	HAZET No.	Release accuracy		Measuring range
	5107-2 CT	6 %	6.3 1/4"	1–9 Nm
	5108-2 CT	4 %	6.3 1/4"	2.5–25 Nm
	5110-2 CT	4 %	10 3/8"	10–60 Nm
	5120-2 CT	4 %	12⁵ 1/2"	10–60 Nm
	5121-2 CT	4 %	12⁵ 1/2"	20–120 Nm
	5122-2 CT	4 %	12⁵ 1/2"	40–200 Nm
	5123-2 CT	4 %	12⁵ 1/2"	60–320 Nm
	5121-2 CLT	4 %	12⁵ 1/2"	20–120 Nm
	5122-2 CLT	4 %	12⁵ 1/2"	40–200 Nm
	5123-2 CLT	4 %	12⁵ 1/2"	60–320 Nm
	5108 VDE	6 %	10 3/8"	2–10 Nm
	5109 VDE	4 %	10 3/8"	5–25 Nm
	6106-1 CT	4 %	6.3 1/4"	1–6 Nm
	6108-1 CT	2 %	6.3 1/4"	2–10 Nm
	6109-2 CT	2 %	6.3 1/4"	4–40 Nm
	6110-1 CT	2 %	10 3/8"	5–60 Nm
	6111-1 CT	2 %	10 3/8"	20–120 Nm
	6121-1 CT	2 %	12⁵ 1/2"	20–120 Nm
	6122-1 CT	2 %	12⁵ 1/2"	40–200 Nm
	6123-1 CT	2 %	12⁵ 1/2"	60–320 Nm
	6143-1 CT	2 %	20 3/4"	100–400 Nm
	6144-1 CT	2 %	20 3/4"	200–500 Nm
	6145-1 CT	2 %	20 3/4"	300–800 Nm
	6150-1 CT	3 %	20 3/4"	400–1000 Nm
	6160-1 CT	3 %	25 1"	600–1600 Nm
	6170-1 CT	4 %	25 1"	800–2000 Nm
	6114-1 CT	3 %	10 3/8"	5–40 lbf.ft
	6115-1 CT	3 %	10 3/8"	20–100 lbf.ft
	6127-1 CT	3 %	12⁵ 1/2"	40–200 lbf.ft
	6128-1 CT	3 %	12⁵ 1/2"	50–250 lbf.ft
	6132-1 CT	3 %	20 3/4"	120–600 lbf.ft



Torque technology



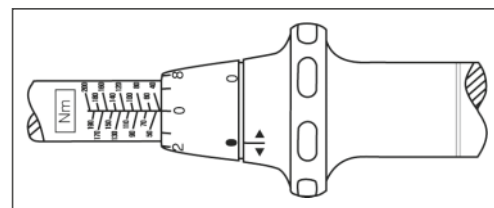
	HAZET No.	Release accuracy		Measuring range
	6280-1 CT	2 %	9 x 12	2–10 Nm
	6282-1 CT	2 %	9 x 12	4–40 Nm
	6281-2 CT	4 %	9 x 12	5–13 Nm
	6290-1 CT	2 %	9 x 12	5–60 Nm
	6291-2 CT	2 %	9 x 12	20–120 Nm
	6291-1 CT	2 %	14 x 18	20–120 Nm
	6292-1 CT	2 %	14 x 18	40–200 Nm
	6293-1 CT	2 %	14 x 18	60–320 Nm
	6294-1 CT	2 %	14 x 18	100–400 Nm
	6295-1 CT	2 %	14 x 18	200–500 Nm
	7292-eTAC	2 % / 1 Digit	14 x 18 12 ⁵ 1/2"	10–200 Nm
	7291-1 eTAC	2 % / 1 Digit	9 x 12 10 3/8"	10–100 Nm
	7292-1 eTAC	2 % / 1 Digit	14 x 18 12 ⁵ 1/2"	20–200 Nm
	7294-1 eTAC	2 % / 1 Digit	14 x 18 20 3/4"	40–400 Nm
	7291-2 eTAC	1 % / 1 Digit	9 x 12 10 3/8"	10–100 Nm
	7292-2 eTAC	1 % / 1 Digit	14 x 18 12 ⁵ 1/2"	20–200 Nm
	7294-2 eTAC	1 % / 1 Digit	14 x 18 20 3/4"	40–400 Nm
	6001-1.4/3	10 %	6.3 1/4"	0.4–1.4 Nm
	6001-1.5/3	10 %	6.3 1/4"	0.6–1.5 Nm
	6001-3.0/3	6 %	6.3 1/4"	1.5–3 Nm
	6001-5.4/3	6 %	6.3 1/4"	3–5.4 Nm
	6002 CT	5 %	6.3 1/4"	10–120 cNm
	6003 CT	5 %	6.3 1/4"	100–600 cNm
	6391-12 (V)	2 %	9 x 12	2–12 Nm
	6391-25 (V)	2 %	9 x 12	2–25 Nm
	6391-35 (V)	2 %	9 x 12	15–35 Nm
	6391-50 (V)	2 %	9 x 12	5–50 Nm
	6391-85 (V)	2 %	9 x 12	15–85 Nm
	6392-200 (V)	2 %	14 x 18	50–200 Nm
	6392-320 (V)	2 %	14 x 18	60–320 Nm



Torque wrench system 5000-2 CT

“The Classic Workshop Tool!”

- **Torque ranges: 1 – 320 Nm**
- Release accuracy (in direction of actuation)
± 4% of the scale value according to DIN EN ISO 6789:2003 (D)
- Safe torque release:
 - palpable (close gap release)
 - audible (“click” sound)
- Safe and fast adjustment of the desired torque value by turning the handle
- Indispensable for the torque controlled screw tightening



Ergonomically shaped handle with collar reducing the risk of slipping-off and injury

Accuracy – fine (vernier) scale graduation

Safety locking of the handle due to rotary assembly – no risk of injury!

Tested and certified

Individual serial number

With serial number and certificate



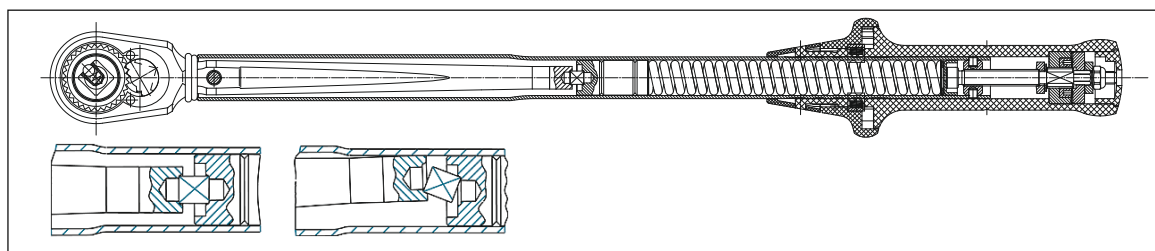
User-friendly reversible ratchet

Service friendly (do-it-yourself repair sets for ratchets available)

No risk of losing the square like there is with the wrench

Integrated shift lever with free-running function on model 1/2 reducing the risk of injury and malfunction

Square according to DIN 3120, ISO 1174-1, DIN EN ISO 6789:2003 (D)

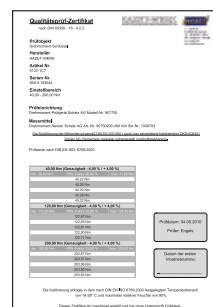




Torque Wrenches System 5000 CLT, Click-Lens-Type

The “Classic Workshop Tool”, easy to read

- **Torque ranges: 20 – 320 Nm**
- Click-Lens-Type (CLT) with value readout in the display guarantees security for the user
- Release accuracy (in direction of actuation)
± 4% of the scale value according to DIN EN ISO 6789:2003 (D)
- Torque release
 - palpable – by close-gap release
 - audible – by click-sound



With serial number
and certificate

Awarded with the





Torque wrench system 6000 CT

“High-precision premium measuring tools for highest demands!”

- **Torque ranges: 1 – 2000 Nm**
- Release accuracy tolerance (in direction of actuation) $\pm 2\%$ of the preset scale value according to DIN EN ISO 6789:2003 (3% of the preset scale value: 6150-1 CT, 6160-1 CT / 4%: 6170-1 CT)
Accuracy tolerance $\pm 3\%$ of the preset scale value according to US standards:
6114-1 CT up to 6132-1 CT
- Tested and certified
- Knob for additionally locking the set value
- Square according to DIN 3120 A, ISO 1174-1A
- Individual serial number
- Reversible ratchets **6.3 1/4" 10 3/8 125 1/2 20 3/4"**
- Ergonomically shaped
- Safe torque release:
 - palpable (close gap release)
 - audible (“click” sound)
 - visual (signal transmitter, depending on model)



Now also available with DAKKS calibration certificate

...with the highest safety for the professional user, in particular for:

- Aviation industry
- Automobile industry
- New-energy, wind turbines, offshore wind farms
- Petrochemical industry (oil/gas)

Documented traceability guarantees complete verifiability!



Conversion

Conversion factors of torque values

Conversion formula:

Given unit x factor = Desired unit

Example:

Conversion of: 20 lbf.ft to Nm

$$20 \times 1.356 = 27.12 \text{ Nm}$$

Given unit	Desired unit						
	mNm	cNm	Nm	kpm	ozf.in	lbf.in	lbf.ft
1 mNm	1	0.1	0.001	0.0001	0.142	0.009	0.0007
1 cNm	10	1	0.01	0.001	1.416	0.088	0.007
1 Nm	1000	100	1	0.102	141.6	8.851	0.738
1 kpm	9807	980.7	9.807	1	1389	86.8	7.233
1 ozf.in	7.062	0.706	0.007	0.0007	1	0.0625	0.005
1 lbf.in	113	11.3	0.113	0.0115	16	1	0.083
1 lbf.ft	1356	135.6	1.356	0.138	192	12	1

Design and Function

- In action, a HAZET torque wrench signals when it has attained the set torque
 - audibly by clicking
 - palpably by close-gap release
 - visibly by the signal button jutting out ①.
- Then the working procedure must be stopped immediately.
- The greater the set torque, the stronger the audible and palpable signals.



Adjustment/calibration

- A HAZET torque wrench should be checked and readjusted regularly. This is recommended after approx. 5000 screw operations (but this should be no later than twelve months).
- The checking frequency depends on the usage frequency. A HAZET torque tester is suitable for this.
- If a suitable torque tester with a click point indication is not available, we accept the HAZET torque wrench from your HAZET partner for inspection and adjustment at the factory.
- After testing and possible adjustment, the torque wrenches and torque testers sent to HAZET are given back to you with a test certificate.

Pipes hardened and hard chrome-plated

- Optimised weight / wall thickness
- Robust and protected surface



Functionality of the new generation of torque wrench handles from > 100 Nm, e.g. 6143-1 CT etc. (from page 291)

- Unlocking
- Slide the handle forward approximately 8 mm and gently turn it in the desired direction
- After engaging the handle, simply continue turning it to the desired torque (without pressing)
- Turn the handle back a little bit
- Locking



Twist lock

● = Ready to be set / NOT usable
(Setting not complete)

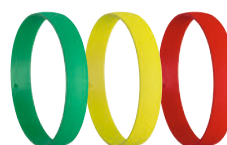
Twist lock

● = Ready for work / usable

ATTENTION: Twist lock = RED – do not use, unintended torque variation is possible!

Application examples for coding rings

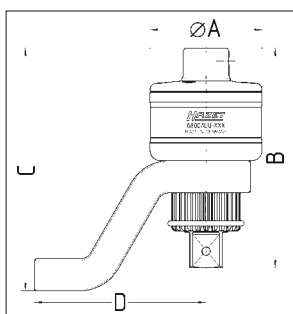
- **Fast recognition of individually set Nm ranges**
e.g. Green = always 250 Nm
- **Recognition of particular departments/work areas or people**
e.g. Red = maintenance and repair department
- **Fast identification the various torque wrenches**
e.g. Yellow = HAZET 6160-1CT (2 pieces);
Red = HAZET 6170-1CT (3 pieces)
- **Clear allocation of defined workflows**
e.g. Tools marked with red
= workflow 1,
Tools marked with green
= workflow 2



Incl. 3 further coloured coding rings for personalisation or identifying workflows

Torque multiplier

Up to 30% less weight than steel versions – only 1.6 kg!



HAZET No.	Transfer ratio	Drive □	Output ■	Nm max.	A Ø mm	B mm	C mm		D mm	kg
							min.	max.		
6800 ALU-700	ca. 1:3,5	12,5 = 1/2"	20 = 3/4"	700	67	125	149	160	101	2,1
6800 ALU-1400	ca. 1:3,5	20 = 3/4"	25 = 1"	1400	88	172,5	190	212	135	4,8
6800 ALU-Lg 1400	ca. 1:3,5	20 = 3/4"	25 = 1"	1400	88	252,5	216	292	135	4,8
6800 ALU-2800	ca. 1:11	20 = 3/4"	25 = 1"	2800	88	260,5	308	320	176,5	8,3





Tightening torque for DIN 912 screws according to strength classes for coarse thread

Dimension	Wrench size	Insert tools				Pre-loading force (kN)						Tightening torque (Nm)					
						Strength class						Strength class					
						4.6	5.6	6.8	8.8	10.9	12.9	4.6	5.6	6.8	8.8	10.9	12.9
M 2x0,40	4	-	-	-	-	0,338	0,422	0,675	0,901	1,267	1,52	0,13	0,163	0,261	0,348	0,489	0,587
M 3x0,50	5,5	-	-	-	-	0,845	1,056	1,689	2,253	3,168	3,801	0,48	0,6	0,961	1,281	1,801	2,161
M 4x0,70	7	9x12	-	-	-	1,463	1,829	2,927	3,902	5,487	6,585	1,115	1,393	2,229	2,972	4,18	5,016
M 5x0,80	8	9x12	-	-	-	2,395	2,994	4,79	6,387	8,982	10,778	2,261	2,827	4,523	6,03	8,48	10,176
M 6x1,00	10	9x12	-	-	-	3,379	4,224	6,758	9,011	12,671	15,205	3,843	4,803	7,685	10,247	14,41	17,292
M 8x1,25	13	9x12	14x18	-	-	6,202	7,753	12,404	16,539	23,258	27,909	9,349	11,686	18,698	24,931	35,059	42,07
M 10x1,50	17	9x12	14x18	-	-	9,876	12,345	19,752	26,336	37,034	44,441	18,54	23,18	37,09	49,45	69,54	83,44
M 12x1,75	19	9x12	14x18	-	-	14,4	18	28,801	38,401	54,001	64,801	32,37	40,46	64,74	86,32	121,38	145,66
M 14x2,00	22	-	14x18	-	-	19,775	24,719	39,551	52,734	74,158	88,989	51,77	64,71	103,54	138,06	194,14	232,97
M 16x2,00	24	-	14x18	-	-	27,221	34,027	54,443	72,591	102,08	122,497	80,62	100,77	161,24	214,98	302,32	362,78
M 18x2,50	27	-	14x18	-	-	33,078	41,347	66,155	88,207	124,041	148,85	111,09	138,86	222,17	296,23	416,58	499,89
M 20x2,50	30	-	14x18	-	-	42,534	53,167	85,067	113,423	159,501	191,401	157,46	196,82	314,91	419,88	590,46	708,55
M 22x2,50	32	-	14x18	21/26	-	53,175	66,469	106,35	141,8	199,406	239,288	215,1	268,9	430,2	573,7	806,7	968
M 24x3,00	36	-	14x18	21/26	-	61,248	76,56	122,497	163,329	229,681	275,617	272,1	340,1	544,2	725,6	1020,3	1224,4
M 27x3,00	41	-	14x18	21/26	-	80,67	100,837	161,339	215,119	302,512	363,014	399,9	499,9	799,9	1066,5	1499,7	1799,7
M 30x3,50	46	-	-	21/26	-	98,027	122,533	196,054	261,405	367,6	441,12	541,7	677,2	1083,4	1444,6	2031,5	2437,7
M 33x3,50	50	-	-	-	-	122,241	152,801	244,482	325,976	458,404	550,084	738,5	923,2	1477,1	1969,4	2769,5	3323,4
M 36x4,00	55	-	-	-	-	143,413	179,266	286,826	382,434	537,798	645,358	948	1185	1896	2528	3555	4265,9
M 39x4,00	60	-	-	-	-	172,42	215,525	344,839	459,786	646,574	775,888	1229	1536	2457	3276	4607	5529
M 42x4,50	65	-	-	-	-	197,407	246,758	394,813	526,417	740,275	888,329	1519	1899	3038	4050	5696	6835
M 45x4,50	70	-	-	-	-	231,206	289,007	462,412	616,549	867,022	1040,426	1898	2373	3796	5062	7118	8541
M 48x5,00	75	-	-	-	-	280,008	325,01	520,015	693,354	975,029	1170,035	2282	2853	4565	6086	8559	10271
M 52x5,00	80	-	-	-	-	312,056	390,07	624,112	832,149	1170,209	1404,251	2954	3692	5907	7876	11076	13292
M 56x5,50	85	-	-	-	-	359,843	449,804	719,689	959,581	1349,411	1619,293	3672	4591	7345	9793	13772	16526
M 60x5,50	90	-	-	-	-	420,651	525,813	841,301	1121,735	1577,44	1892,928	4582	5728	9164	12219	17183	20619
M 64x6,00	95	-	-	-	-	475,86	594,825	951,72	1268,96	1784,476	2141,371	5536	6920	11071	14762	20759	24911
M 68x6,00	100	-	-	-	-	545,427	681,784	1090,855	1454,473	2045,353	2454,423	6720	8400	13440	17919	25199	30239

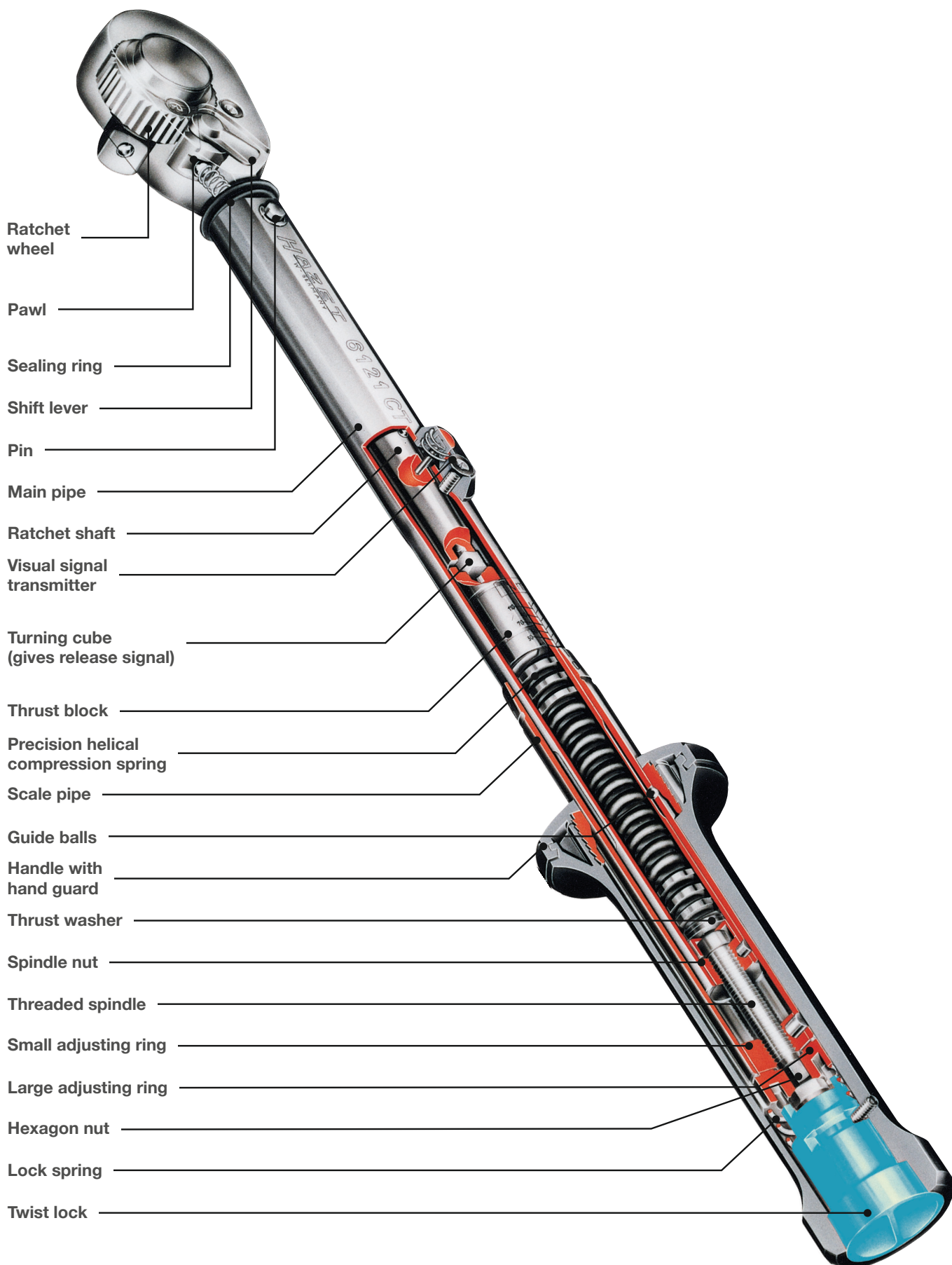
Tightening torque for DIN 912 screws according to strength classes for fine pitch thread

Dimension	Wrench size	Insert tools				Pre-loading force (kN)						Tightening torque (Nm)					
						Strength class						Strength class					
						4.6	5.6	6.8	8.8	10.9	12.9	4.6	5.6	6.8	8.8	10.9	12.9
M 8x1,00	13	9x12	14x18	-	-	6,805	8,507	13,611	18,148	25,52	30,624	10,08	12,6	20,15	26,87	37,79	45,35
M 10x1,25	17	9x12	14x18	-	-	11,418	14,272	22,835	30,447	42,816	51,379	20,83	26,04	41,66	55,55	78,11	93,73
M 12x1,50	19	9x12	14x18	-	-	15,312	19,14	30,624	40,832	57,42	68,904	34,01	42,51	68,02	90,69	127,54	153,05
M 14x1,50	22	-	14x18	-	-	21,934	27,418	43,868	58,491	82,253	98,703	56,25	70,32	112,51	150,01	210,96	253,15
M 16x1,50	24	-	14x18	-	-	29,741	37,177	59,483	79,31	111,53	133,836	86,5	108,12	172,99	230,66	324,36	389,23
M 18x1,50	27	-	14x18	-	-	38,733	48,417	77,467	103,289	145,25	174,3	125,95	157,44	251,91	335,88	472,33	566,8
M 20x1,50	30	-	14x18	-	-	48,91	61,138	97,82	130,427	183,413	220,096	175,9	219,8	351,7	468,9	659,4	791,3
M 22x1,50	32	-	14x18	21/26	-	60,272	75,34	120,543	160,724	226,019	271,223	237,4	296,8	474,8	633,1	890,3	890,3
M 24x2,00	36	-	14x18	21/26	-	72,818	91,022	145,635	194,18	273,066	327,68	311,8	389,8	623,7	831,6	1169,4	1403,3



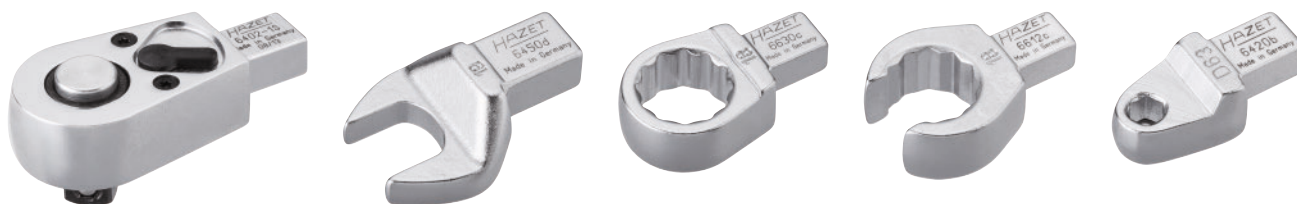
Quality through and through

Cutaway view of a HAZET torque wrench 6000 CT





Insert Tools



Data for effective length of torque wrenches with (different) insert tool holders

MDE = Torque to be selected

MDV = Prescribed torque

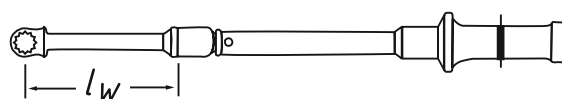
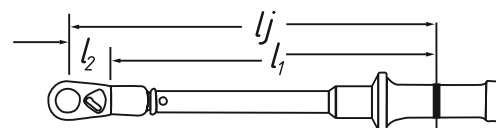
l_j = Standard length adjustment with adjusting tool

l_1 = Effective torque wrench length

l_2 = Gauge dimension of adjusting tool

l_w = Gauge dimension of extended insert tool holder

$$MDE = \frac{(l_1 + l_2) \times MDV}{l_1 + l_w}$$



Formula: Torque correction factor for change in effective length

HAZET torque wrenches are adjusted/calibrated with the " l_2 insert dimensions".
If other insert tool holders are used, then the formula must be observed.

Dimensions of the various HAZET torque wrenches:

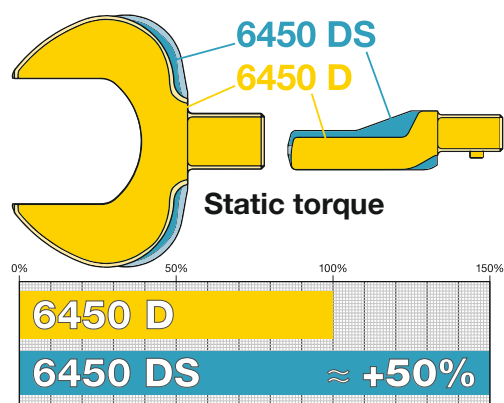
HAZET No.	l_1 mm	Adjusted with HAZET No.	l_2 mm
6145-1 CT	1073	- *	97,5
6280-1 CT	140	6401-1 (S)	19,5
6281-2 CT	99	6401 N	17,5
6282-1 CT	200	6401-1 (S)	19,5
6290-1 CT	245	6402-1 (S)	30
6291-1 CT	330	6404-1 (S)	38,5

HAZET No.	l_1 mm	Adjusted with HAZET No.	l_2 mm
6291-2 CT	312	6402-1 (S)	30
6292-1 CT	432	6404-1 (S)	38,5
6293-1 CT	547	6404-1 (S)	38,5
6294-1 CT	640	6406	44
6295-1 CT	880	6406	44
6296-1 CT	1120	6406	44

HAZET No.	l_1 mm
6391- 12 (V)	100
6391- 25 (V)	130
6391- 35 (V)	130
6391- 50 (V)	190

HAZET No.	l_1 mm
6391- 85 (V)	260
6392-200 (V)	345
6392-320 (V)	570

* Not pre-adjusted, since socket (ring shell tool) has been changed and the torque has thus been recalculated.



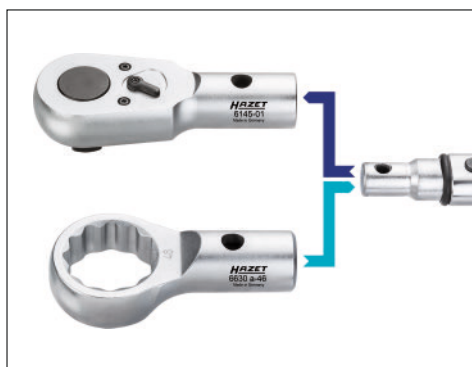
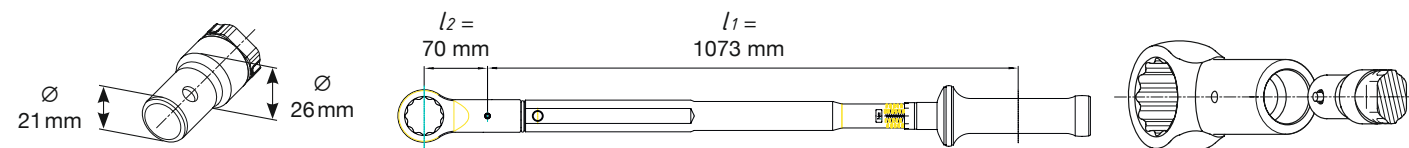
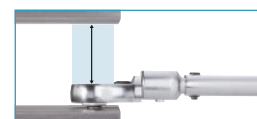
Conventional application



Insert reversible ratchet



Ratcheting insert box-end wrench





System 5000 CT

VDE torque wrench

See chapter VDE- / Tools
for Electricians page 269

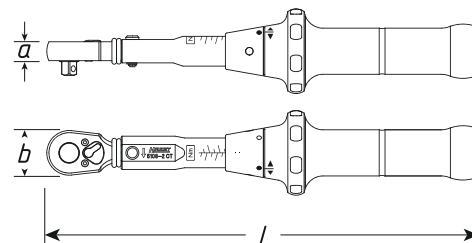
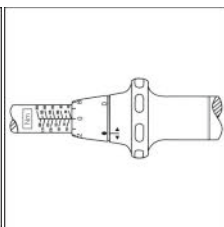
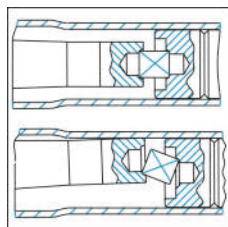


5000-2 CT Torque wrench · SYSTEM 5000-2 CT (with reversible ratchet) · 1–320 Nm

Made in Germany

- Release accuracy tolerance $\pm 4\%$ of scale value (in direction of actuation)
(5107-2 CT $\pm 6\%$ release accuracy tolerance)
- Safe torque release:
 - palpable (close gap release)
 - audible ("click" sound)
- Easy and safe adjustment of the desired torque value by turning the handle
- Safety locking of the handle due to blue rotary assembly - **no risk of injury!**
- User-friendly reversible ratchet
- **Service-friendly** (Do-it-yourself repair kits for ratchets available)
- Integrated shift lever
- Accuracy – fine scale graduation
- Ergonomically shaped
- With serial number and certificate
- Robust and well-priced
- Millionfold proven
- Indispensable for the torque controlled screw tightening
- Delivery in sturdy Hexa plastic box
- Square according to DIN 3120, ISO 1174-1, DIN EN ISO 6789:2003 (D)

(E)



HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
• Perfect for working on motorcycles, bicycles and tyre pressure control systems • Release accuracy tolerance $\pm 6\%$ of scale value (in direction of actuation)									
5107-2 CT	■ 6.3 = 1/4"	235	1–9	0.1	6	0.6 – 5.1	10.2	24	191260
• Perfect for working on motorcycles and bicycles									
5108-2 CT	■ 6.3 = 1/4"	232	2.5–25	0.25	4	1.5 – 16.4	10.2	24	119752
5110-2 CT	■ 10 = 3/8"	320	10–60	0.5	4	4.1 – 25.8	14.5	32	154098
• Extra short style – particularly compact • Specifically also for commercial vehicles									
5120-2 CT	■ 12.5 = 1/2"	320	10– 60	0.5	4	4.1 – 25.8	14.5	32	180233
5121-2 CT	■ 12.5 = 1/2"	408	20–120	1	4	6.3 – 39.7	19.6	44	022434
5122-2 CT	■ 12.5 = 1/2"	513	40–200	1	4	9.6 – 50.5	19.6	44	022489
5123-2 CT	■ 12.5 = 1/2"	632	60–320	2	4	11.2 – 61.7	19.6	44	073948



Torque technology

System 5000 CLT



System 5000 CLT

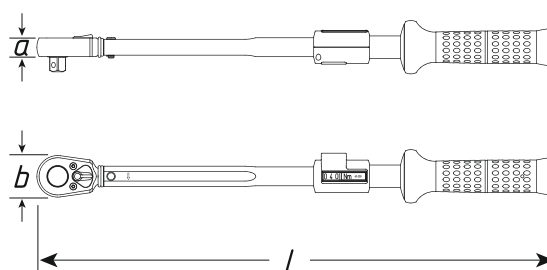
5000 CLT Torque wrench · SYSTEM 5000 CLT · Release accuracy tolerance $\pm 4\%$ · 20–320 Nm

Made in Germany

• Click-Lens-Type with value readout in the display guarantees security for the user

12.5 1/2

- Release accuracy tolerance $\pm 4\%$ of scale value (in direction of actuation)
- Torque release – palpable by close-gap release – audible by click-sound
- Reversible ratchet
- Easy and safe adjustment of the desired torque value by turning the handle
- Knob for locking the set value
- Three large digits for an easy-to-read torque setting
- With serial number and certificate
- Delivery in safe box
- Surface: hard chrome plated
- DIN EN ISO 6789:2003 (D)



HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
5121-2 CLT	■ 12.5 = 1/2"	435	20–120	1	4	5.9 – 37.0	19.6	44	104215
5122-2 CLT	■ 12.5 = 1/2"	545	40–200	1	4	9.0 – 47.4	19.6	44	104192
5123-2 CLT	■ 12.5 = 1/2"	660	60–320	2	4	10.8 – 59.4	19.6	44	104222

System 6000 CT

6000-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 2\%$ *) · 1–40 Nm

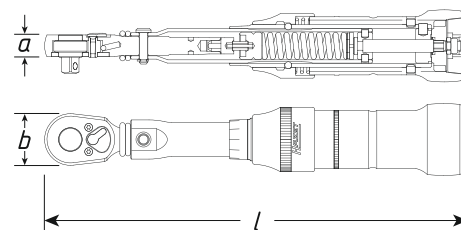
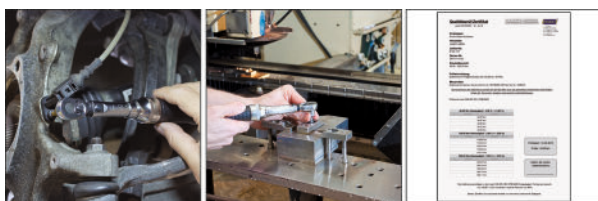
Made in Germany

- With automatic close-gap release, palpable and audible when torque setting is reached
- Easy and safe adjustment of the desired torque value by turning the handle
- **Release accuracy tolerance** (in direction of actuation) $\pm 2\%$ of scale value
6106-1 CT: $\pm 4\%$ release accuracy tolerance
- Application: engines, gearboxes, industry, machinery, model making
- DIN EN ISO 6789:2003 (D), Square according to DIN 3120, ISO 1174-1

Ⓔ 6.3 1/4"



YouTube Clip



HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
6106-1 CT	■ 6.3 = 1/4"	197	1 – 6	0.1	4	0.7 – 4.4	10.2	24	173167
6108-1 CT	■ 6.3 = 1/4"	198	2 – 10	0.2	2	1.4 – 7.3	10.2	24	062218
6109-2 CT	■ 6.3 = 1/4"	256	4 – 40	0.4	2	2.0 – 21.4	10.2	24	080564
• Torque wrench including DAKS calibration certificate									
6106-1 CT CAL	■ 6.3 = 1/4"	197	1 – 6	0.1	4	0.7 – 4.4	10.2	24	192892
6108-1 CT CAL	■ 6.3 = 1/4"	198	2 – 10	0.2	2	1.4 – 7.3	10.2	24	192908
6109-2 CT CAL	■ 6.3 = 1/4"	256	4 – 40	0.4	2	2.0 – 21.4	10.2	24	193318





Torque technology

System 6000 CT

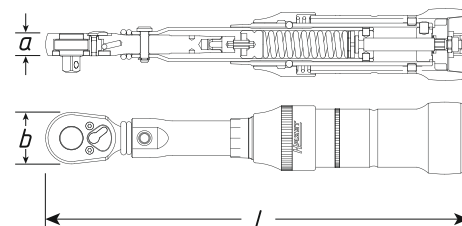
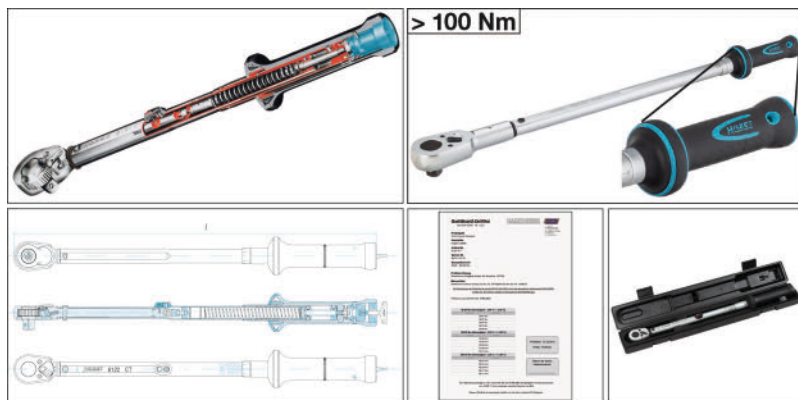


6000-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 2\%$ · 5–800 Nm

Made in Germany

- **Release accuracy tolerance $\pm 2\%$ of scale value** (in direction of actuation)
- High-precision measuring tools for highest demands
- **Hard chrome-plated** steel tube – slim, but very sturdy and wear-resistant
- Secure storage in safe box with display window
- Safe torque release:
 - Palpable (close gap release)
 - Audible ("click" sound)
 - Optical (signal transmitter – models up to 320 Nm)
- User-friendly reversible ratchet
- **Service-friendly** (Do-It-Yourself repair kits for ratchets available)
- Integrated shift lever
- Easy and safe adjustment of the desired torque value by turning the handle
- Knob for locking the set value
- Ergonomically shaped handle with collar **reducing the risk of slipping-off and injury**
- Accuracy – fine scale graduation
- With serial number and certificate
- Surface: hard chrome plated
- DIN EN ISO 6789:2003 (D), Square according to DIN 3120, ISO 1174-1

Ⓔ



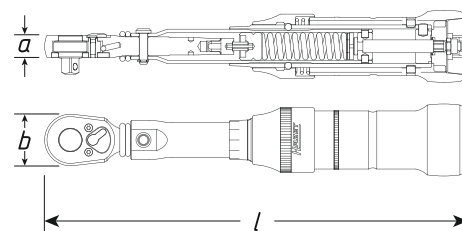
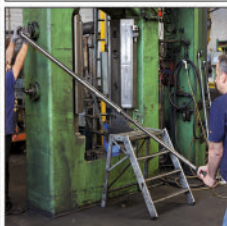
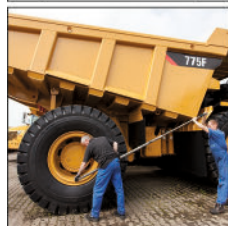
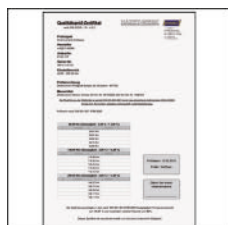
HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %	Signal transmitter		a mm	b mm	EAN-No. 4000896+
6110-1 CT	■ 10 = 3/8"	335	5– 60	0.5	2	✓	1.9 – 24.7	14.5	32	025022
6111-1 CT	■ 10 = 3/8"	389	20–120	1	2	✓	6.7 – 42.4	14.5	32	025077
6121-1 CT	■ 12.5 = 1/2"	435	20–120	1	2	✓	6.0 – 37.4	19.6	44	025220
6122-1 CT	■ 12.5 = 1/2"	543	40–200	1	2	✓	9.0 – 47.5	19.6	44	025268
6123-1 CT	■ 12.5 = 1/2"	659	60–320	2	2	✓	10.8 – 59.6	19.6	44	025367
• 2-component handle for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • With 3 additional coloured coding rings for markings with personalizations or special workflows • Without signal transmitter										
6143-1 CT	■ 20 = 3/4"	802	100–400	2.5	2	✗	14.5 – 59.2	28.5	64	025466
6144-1 CT	■ 20 = 3/4"	1046	200–500	2.5	2	✗	21.6 – 54.6	28.5	64	025541
• Change between provided snap-on ratchet and ring shell tool 6630 A (optional) possible • 2-component handle for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • With 3 additional coloured coding rings for markings with personalizations or special workflows • Without signal transmitter										
6145-1 CT	■ 20 = 3/4"	1283	300–800	2.5	2	✗	25.9 – 70.2	28.5	64	025565
• Torque wrench including DAkKS calibration certificate										
6110-1 CT CAL	■ 10 = 3/8"	335	5– 60	0.5	2	✓	1.9 – 24.7	14.5	32	192915
6111-1 CT CAL	■ 10 = 3/8"	389	20–120	1	2	✓	6.7 – 42.4	14.5	32	193011
6121-1 CT CAL	■ 12.5 = 1/2"	435	20–120	1	2	✓	6.0 – 37.4	19.6	44	193028
6122-1 CT CAL	■ 12.5 = 1/2"	543	40–200	1	2	✓	9.0 – 47.5	19.6	44	193233
6123-1 CT CAL	■ 12.5 = 1/2"	659	60–320	2	2	✓	10.8 – 59.6	19.6	44	193240
• Torque wrench including DAkKS calibration certificate • 2-component handle for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • With 3 additional coloured coding rings for markings with personalizations or special workflows										
6143-1 CT CAL	■ 20 = 3/4"	802	100–400	2.5	2	✗	14.5 – 59.2	28.5	64	192922
6144-1 CT CAL	■ 20 = 3/4"	1046	200–500	2.5	2	✗	21.6 – 54.6	28.5	64	193035
6145-1 CT CAL	■ 20 = 3/4"	1283	300–800	2.5	2	✗	25.9 – 70.2	28.5	64	193042

6000-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 3\%$ (6170-1 CT 4%) · 400–2000 Nm

Made in Germany

For highest torque values

- Release accuracy tolerance $\pm 3\%$ of scale value (in direction of actuation) (6170-1 CT $\pm 4\%$)
- Especially suited for industrial climbers
- Application on wind turbines, dockyards, in the aviation and heavy industries, on commercial vehicles etc.
- To be disassembled in two parts (6170-1 CT: three parts) with release tool
- Bag included for safe storage and for carrying or wearing on your back
- Faster screw tightening also only possible with ratchet shaft. For torque controlled screw tightening always use the complete wrench
- 2-component handle** for improved feel
- Simplified locking for adjusting the torque value
- Viewing window for visual checking of the locking
- With 3 additional coloured coding rings for markings with personalizations or special workflows



HAZET No.	Output	l mm	Nm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
1000 Nm Torque wrench Weight only approx. 10 kg									
• Actuating force only 590 N (60 kg) at 1000 Nm									
• Length of ratchet shaft 903 mm, handle 930 mm									
6150-1 CT	■ 20 = ¾"	1789	400–1000	5	3	24.2 – 61.0	36	77	141067
1600 Nm Torque Wrench Weight only approx. 14 kg									
• Actuating force only 685 N (70 kg) at 1600 Nm									
• Length of ratchet shaft 1205 mm, handle 1320 mm									
6160-1 CT	■ 25 = 1"	2455	600–1600	5	3	26.1 – 70.1	36	77	155316
2000 Nm Torque wrench Weight only approx. 18 kg									
• Actuating force only 685 N (70 kg) at 2000 Nm									
6170-1 CT	■ 25 = 1"	3033	800–2000	6	4	27.9 – 70.1	36	77	177776
• Torque wrench including DAkkS calibration certificate									
• 2-component handle for improved feel									
• Simplified locking for adjusting the torque value									
• Viewing window for visual checking of the locking									
• With 3 additional coloured coding rings for markings with personalizations or special workflows									
6150-1 CT CAL	■ 20 = ¾"	1789	400–1000	5	3	24.2 – 61.0	36	77	193059
6160-1 CT CAL	■ 25 = 1"	2455	600–1600	5	3	26.1 – 70.1	36	77	193066



Torque technology

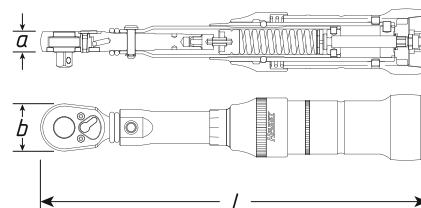
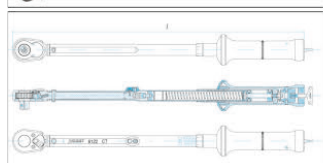
System 6000 CT



6000-1 CT-US Torque wrench · SYSTEM 6000 CT · US STANDARD · Release accuracy tolerance $\pm 3\%$ · 5–600 lbf.ft

Made in Germany

- According to US standards
- Scale graduation in lbf.ft
- Release accuracy tolerance $\pm 3\%$ of scale value in direction of actuation
- With reversible ratchet
- Knob for locking the set value
- Secure storage in safe box
- DIN EN ISO 6789:2003 (D), Square according to DIN 3120, ISO 1174-1

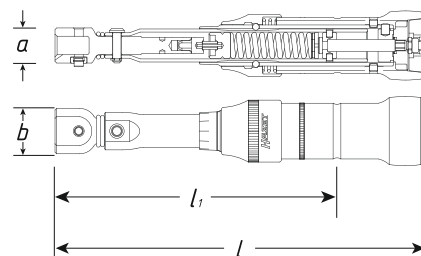
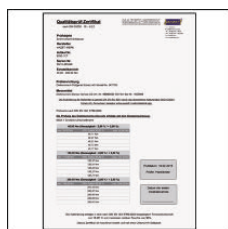


HAZET No.	Output	l mm	Nm	lbf.ft	Release accuracy tolerance %	Signal transmitter	lbf.ft.	kg	a mm	b mm	EAN-No. 4000896+
6114-1 CT	10 = 3/8"	333	6.8–54.2	0.5	3	✓	5–40	2.6–21.8	14.5	32	078424
6115-1 CT	10 = 3/8"	390	27.1–135.6	0.5	3	✓	20–100	9.1–48.2	14.5	32	025084
6127-1 CT	12.5 = 1/2"	545	54.2–271.2	1	3	✓	40–200	12.3–64.6	19.6	44	025381
6128-1 CT	12.5 = 1/2"	660	67.8–339	2	3	✓	50–250	12.2–62.6	19.6	44	076116
• 2-component handle for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • With 3 additional coloured coding rings for markings with personalizations or special workflows • Without signal transmitter											
6132-1 CT	20 = 3/4"	1284	162.7–813.5	2	3	✗	120–600	14.0–71.6	28.5	64	078455

6200-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 2\%$ · 2–40 Nm

Made in Germany

- With plug-and-socket connection to accommodate insert tools
- Release accuracy tolerance (in direction of actuation): $\pm 2\%$ of scale value
- DIN EN ISO 6789:2003 (D)



HAZET No.	Output	l mm	l _t mm	Nm	lbf.ft	Release accuracy tolerance %	kg	a mm	b mm	EAN-No. 4000896+
6280-1 CT	9x12	180	140	2–10	0.2	2	1.3–6.6	17	22	026005
6282-1 CT	9x12	240	200	4–40	0.4	2	1.9–19.8	17	22	080540
• Torque wrench including DAkkS calibration certificate										
6280-1 CT CAL	9x12	180	140	2–10	0.2	2	1.3–6.6	17	22	193073
6282-1 CT CAL	9x12	240	200	4–40	0.4	2	1.9–19.8	17	22	193080

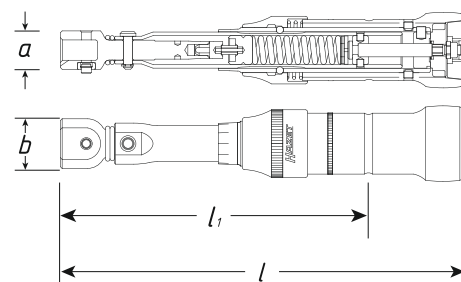
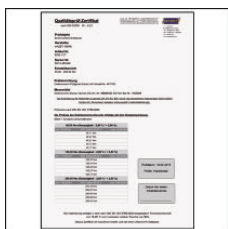


6200-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 4\%$ · 5–13 Nm

Made in Germany

- With plug-and-socket connection to accommodate insert tools
- **Release accuracy tolerance** (in direction of actuation): $\pm 4\%$ of scale value
- DIN EN ISO 6789:2003 (D)

(E) 9 x 12



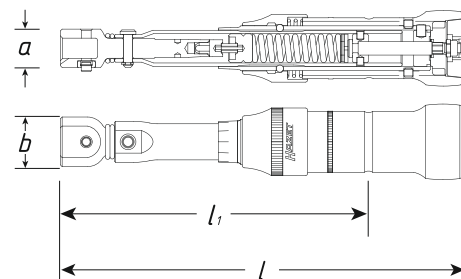
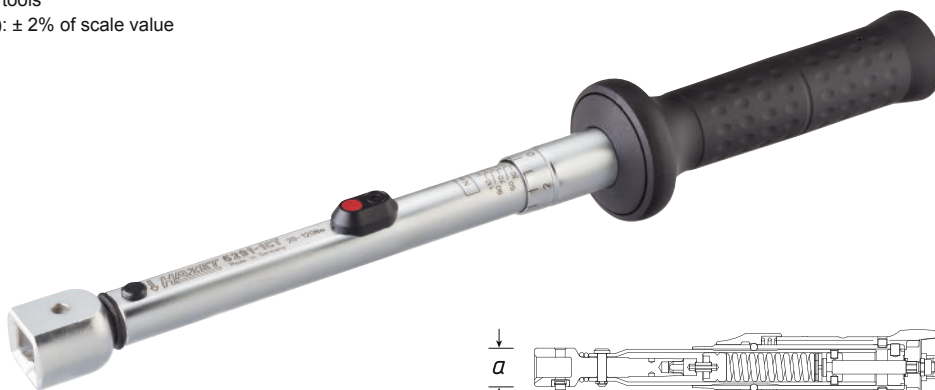
HAZET No.	Output	l mm	l_1 mm	Nm	Nm	Release accuracy tolerance %	kg	a mm	b mm	EAN-No. 4000896+
6281-2 CT	☐ 9x12	125.4	99	5–13	0.2	4	4.4 – 11.8	17	22	183326
• Torque wrench including DAkkS calibration certificate										
6281-2 CT CAL	☐ 9x12	125.4	99	5–13	0.2	4	4.4 – 11.8	17	22	193295

6200-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 2\%$ · 5–320 Nm

Made in Germany

- With plug-and-socket connection to accommodate insert tools
- **Release accuracy tolerance** (in direction of actuation): $\pm 2\%$ of scale value
- In safe box
- DIN EN ISO 6789:2003 (D)

(E)



HAZET No.	Output	l mm	l_1 mm	Nm	Nm	Release accuracy tolerance %	Signal transmitter	kg	a mm	b mm	EAN-No. 4000896+
6290-1 CT	☐ 9x12	305	245	5–60	0.5	2	✓	1.8 – 23.1	17	22	026043
6291-2 CT	☐ 9x12	388	312	20–120	1	2	✓	5.9 – 36.7	18	23	026104
6291-1 CT	☐ 14x18	400	330	20–120	1	2	✓	5.6 – 34.7	23	30	026074
6292-1 CT	☐ 14x18	510	432	40–200	1	2	✓	10.8 – 44.9	23	30	026135
6293-1 CT	☐ 14x18	620	547	60–320	2	2	✓	10.3 – 56.8	23	30	026173
• Torque wrench including DAkkS calibration certificate											
6290-1 CT CAL	☐ 9x12	305	245	5–60	0.5	2	✓	1.8 – 23.1	17	22	193097
6291-2 CT CAL	☐ 9x12	388	312	20–120	1	2	✓	5.9 – 36.7	18	23	193257
6291-1 CT CAL	☐ 14x18	400	330	20–120	1	2	✓	5.6 – 34.7	23	30	193264
6292-1 CT CAL	☐ 14x18	510	432	40–200	1	2	✓	10.8 – 44.9	23	30	193271
6293-1 CT CAL	☐ 14x18	620	547	60–320	2	2	✓	10.3 – 56.8	23	30	193288



Torque technology

System 6000 CT

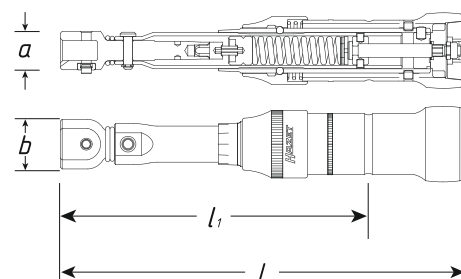


6200-1 CT Torque wrench · SYSTEM 6000 CT · Release accuracy tolerance $\pm 2\%$ · 100–500 Nm

Made in Germany

- With plug-and-socket connection to accommodate insert tools
- **Release accuracy tolerance** (in direction of actuation): $\pm 2\%$ of scale value
- In safe box
- **2-component handle** for improved feel
- Simplified locking for adjusting the torque value
- Viewing window for visual checking of the locking
- With 3 additional coloured coding rings for markings with personalizations or special workflows
- Without signal transmitter
- DIN EN ISO 6789:2003 (D)

(E) 14 x 18



HAZET No.	Output	l mm	l_1 mm	Nm	$\frac{1}{N} Nm$	Release accuracy tolerance %	 kg	b mm	EAN-No. 4000896+
6294-1 CT	☐ 14x18	718	649	100–400	2.5	2	14.7 – 59.9	35.5	026197
6295-1 CT	☐ 14x18	962	893	200–500	2.5	2	21.8 – 55.1	35.5	026203
• Torque wrench including DAkkS calibration certificate									
6294-1 CT CAL	☐ 14x18	718	649	100–400	2.5	2	14.7 – 59.9	35.5	193103
6295-1 CT CAL	☐ 14x18	962	893	200–500	2.5	2	21.8 – 55.1	35.5	193110

6200-1 CT Torque tool set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

(E) 9 x 12



6200-1 CT •  
6290-1 CT



6450 C •  • 
7 • 8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17



6630 C •  • 
7 • 8 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17



6402-1 •  •  5/8



6612 C •  • 
10 • 11 • 12 • 13 • 14 • 17

HAZET No.	$L \times W \times H$ mm		EAN-No. 4000896+
6290-1 CT/29	435x215x62	29	026067

6200-1 CT Torque tool set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

(E) 14 x 18



6200-1 CT •  
6292-1 CT



6450 D •  • 
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32



6630 D •  • 
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32



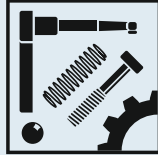
6404-1 •  •  1 1/2

HAZET No.	$L \times W \times H$ mm		EAN-No. 4000896+
6292-1 CT/28	578x235x88	28	026166



Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

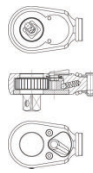


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

6100 Replacement set

Made in Germany



(E)

HAZET No.	EAN-No. 4000896+
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	
1016/6	001972
Replacement set for ratchet wheel 20 = 3/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	
1016/8 N	001989
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1116, 6150-1 CT, 6160-1 CT, 6170-1 CT	
1116/6	003228
Replacement set for ratchet wheel 25 = 1" ■ consisting of: shift lever, screws, ball, compression spring, pawl, ratchet wheel for 1116, 6160-1 CT, 6170-1 CT	
1116/8 N	003235
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, pawl for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST 916 K, 2264-1, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1, 6402-1 S, 6408-1	
8816 P/6	144617
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 8816 G, 8816 GK, 8816 P, 8816 ST, 5110-2 CT, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	
8816 P/7 N	042234
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1, 6401-1 S, 6408	
6401-1/6	146048
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 5107-2 CT, 5108-2 CT, 6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1	
6401/7	111169
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring for 6401-1 S	
6401-1 S/7	111152
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, spring washer and locking ring for 6403-1, 6403-1 S, 6404-1, 6404-1 S	
6403-1/7	070756

6100 Replacement set

(E)

HAZET No.	EAN-No. 4000896+
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 6403-1, 6404-1	
6403-1/9	070749
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 6403-1 S, 6404-1 S	
6403-1 S/9	070817
Replacement set for lock consisting of: lock spring, lock cap, cylinder, key, 2 headless screws for 6110 CT	
6110-26	025046
Replacement set for twist lock , consisting of: lock spring, twist lock with 2 headless screws for 6010-1 CT, 6110-1 CT, 6114-1 CT, 6290-1 CT	
6110-27	025053
Replacement set for lock consisting of: lock spring, lock cap, cylinder, key, 2 headless screws for 6121 CT, 6122 CT, 6123 CT	
6122-26	025282
Replacement set for twist lock , consisting of: lock spring, twist lock with 2 headless screws for 5121-2 CLT, 5122-2 CLT, 5123-2 CLT, 6021-1 CT, 6022-1 CT, 6023-1 CT, 6111-1 CT, 6115-1 CT, 6121-1 CT, 6122-1 CT, 6123-1 CT, 6127-1 CT, 6128-1 CT, 6291-1 CT, 6292-1 CT, 6293-1 CT, 6722 TAC, 6291-2 CT	
6122-27	025299
Replacement set for optical signal transmitter , consisting of: red button, compression spring, housing (black), pin, screw for 6021-1 CT, 6022-1 CT, 6023-1 CT, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6121 CT, 6121-1 CT, 6122 CT, 6122-1 CT, 6123 CT, 6123-1 CT, 6127-1 CT, 6128-1 CT, 6291-1 CT, 6291-2 CT, 6290-1 CT, 6291 CT, 6292-1 CT, 6293-1 CT	
6122-29	025305
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, spring washer, circlip for 5121-2 CLT, 5121-2 CT, 5122-2 CLT, 5122-2 CT, 5122 ST-1, 5123-2 CLT, 5123-2 CT, 5128-2 CLT, 6121-1 CT, 6121 CT, 6122-1 CT, 6122 CT, 6123-1 CT, 6123 CT, 6127-1 CT, 6128-1 CT, 6722 TAC	
6122/7	025329
Replacement set for ratchet wheel 20 = 3/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 6150-1 CT	
6150/8	151431
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 5121-2 CLT, 5121-2 CT, 5122-1 CT, 5122-2 CT, 5122-2 CLT, 5122 ST-1, 5123-2 CLT, 5123-2 CT, 5128-2 CLT, 6121 CT, 6121-1 CT, 6122-1 CT, 6122 CT, 6123-1 CT, 6123 CT, 6127-1 CT, 6128-1 CT, 6722 TAC	
6122/9 N	025343
Reversible ratchet with screw complete (replaceable): ■ 20 = 3/4" until the end of 2004 for 6132-1 CT, 6143 CT, 6143-1 CT, 6144 CT, 6144-1 CT, 6145 CT, 6145-1 CT, 6146-1 CT	
6143-01	111190
Replacement set for twist lock , consisting of: twist lock, lock spring and cylinder screw for 6132-1 CT, 6143-1 CT, 6144-1 CT, 6145-1 CT, 6150-1 CT, 6160-1 CT, 6243-1 CT, 6244-1 CT, 6245-1 CT, 6146-1 CT, 6246-1 CT, 6294-1 CT, 6295-1 CT, 6296-1 CT	
6144-01/3	025527
Reversible ratchet with pin complete (replaceable): ■ 20 = 3/4" model years 2005 → for 6132-1 CT, 6144 CT, 6144-1 CT, 6145 CT, 6145-1 CT, 6146-1 CT	
6145-01	111206



Torque technology

System 7000 eTAC



System 7000 eTAC

7000 ETAC

Torque wrench with built-in angle gauge, electronic ·
SYSTEM 7000 eTAC · workshop version · 10–200 Nm

Made in Germany

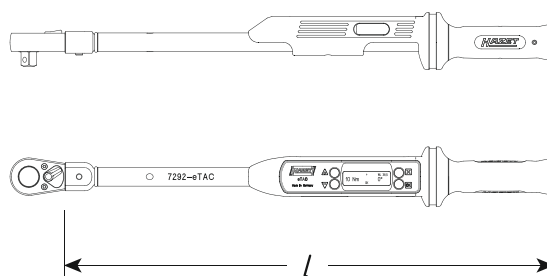
• Workshop version: Easy handling due to fast menu navigation (Torque / Rotation angle with only 2 clicks)

14 x 18 12.5 1/2"

- Reduced menu structure due to fix pre-adjustment, e.g. tolerance, Nm-unit
- Testing accuracy $\pm 2\%$ / ± 1 digit (or $\pm 1^\circ$) in rotation to the right or left
- Relative measurement uncertainty for torque measuring range: $\pm 2\%$ / ± 1 digit
- Torque tolerance range: $\pm 8\%$
- Measuring range for rotation angle (adding): 5° to 995°
- Relative measurement uncertainty for rotation angle measuring range: $\pm 2\%$ / $\pm 1^\circ$
- Rotation angle tolerance range: 5° to $15^\circ \pm 1^\circ$
 20° to $25^\circ \pm 2^\circ$
 30° to $35^\circ \pm 3^\circ$
from $90^\circ \pm 10^\circ$
- Offers possibility to select or program the effective length for other insert tools (requirement for correct torque / angle rotation measurements)
- Protection rating: IP 40
- Release accuracy tolerance according to ISO 6789
DIN EN ISO 6789 – NF EN ISO 6789
- High-precision torque wrench with built-in angle gauge
- Three signals alert the user during screwing process: audible signal (buzzer), vibration signal and a 360° LED display with "traffic light function" that is visible from all around
- Big and easily readable display, 180° rotatable
- Indication of the measuring values including a rating of the screwing process (o.k. / not o.k.)
- Safety switch-on and switch-off (2 different buttons) and automatic, time-dependent, energy-saving stand-by mode
- Battery display
- 4 standard batteries (AA–1.5 V) ensure long service life
- Torque unit: Nm
- Torque display range (Nm): 5 to 200
- Torque measuring range (Nm): 10 to 200
- Length with/without insert tool (mm): 580 / 518
- Weight with / without insert tool (kg): 1.25 / 0.98
- Release accuracy tolerance according to ISO 6789 - DIN EN ISO 6789 - NF EN ISO 6789



YouTube Clip



HAZET No.	Output	l mm	Nm		EAN-No. 4000896+
7292-eTAC	☐ 14x18, ☒ 12.5 = 1/2"	518	10–200	4.1 – 40.7	189571

7000 ETAC

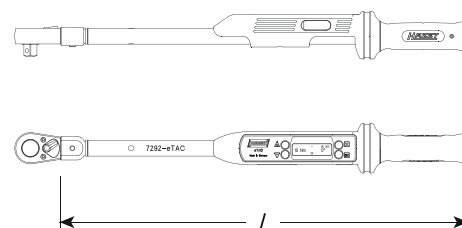
Torque wrench with built-in angle gauge, electronic · SYSTEM 7000 eTAC · basic version · 10–400 Nm

Made in Germany

- Testing accuracy $\pm 2\%$ / ± 1 digit (or $\pm 1^\circ$) in rotation to the right or left
- Three signals alert the user during screwing process: audible signal (buzzer), vibration signal and a 360° LED display with "traffic light function" that is visible from all around
- Big and easily readable display, 180° rotatable
- Indication of the measuring values in 13 mm font size, including a rating of the screwing process (o.k. / not o.k.)
- Safety switch-on and switch-off (2 different buttons) and automatic, time-dependent, energy-saving stand-by mode
- Choice of measuring units: Nm and lbf.ft
- Rotation angle range up to 999 degrees
- Menu locking to prevent unintentional change of setting values, 4-digit code is freely selectable
- Indication of battery condition and memory
- 4 standard batteries (AA – 1.5 V) ensure long service life
- Memory capacity up to 200 readings, incl date and time (data reading in the display)
- Includes detailed operating instructions and certificate in aluminium frame case with foam insert, also includes HAZET Insert Reversible Ratchet
- Offers possibility to select or program the effective length for other insert tools (precondition for the correct torque / angle measurements)
- Release accuracy tolerance according to ISO 6789 - DIN EN ISO 6789 - NF EN ISO 6789



YouTube Clip



HAZET No.	Output	l mm	Nm		EAN-No. 4000896+
• Delivery includes insert reversible ratchet 6402-1 ■ 10 = $\frac{3}{8}$" • Length with / without insert tool: 425.5 mm / 380.5 mm • Weight with / without insert tool: 870 g / 780 g					
7291-1 eTAC	□ 9x12, ■ 10 = $\frac{3}{8}$ "	380.5	10–100	2.9 – 28.7	160938
• Delivery includes insert reversible ratchet 6404-1 ■ 12.5 = $\frac{1}{2}$" • Length with / without insert tool: 580 mm / 518 mm • Weight with / without insert tool: 1250 g / 980 g					
7292-1 eTAC	□ 14x18, ■ 12.5 = $\frac{1}{2}$ "	518	20–200	4.1 – 40.7	160952
• Delivery includes insert fine-tooth reversible ratchet 6406 ■ 20 = $\frac{3}{4}$" • Length with / without insert tool: 1018.5 mm / 942.5 mm • Weight with / without insert tool: 3200 g / 2300 g					
7294-1 eTAC	□ 14x18, ■ 20 = $\frac{3}{4}$ "	942.5	40–400	4.4 – 43.8	160976
• Torque wrench including DAKS calibration certificate					
7291-1 eTAC CAL	□ 9x12, ■ 10 = $\frac{3}{8}$ "	380.5	10–100	2.9 – 28.7	193127
7292-1 eTAC CAL	□ 14x18, ■ 12.5 = $\frac{1}{2}$ "	518	20–200	4.1 – 40.7	193134
7294-1 eTAC CAL	□ 14x18, ■ 20 = $\frac{3}{4}$ "	942.5	40–400	4.4 – 43.8	193165



Torque technology

System 7000 eTAC



7000 ETAC

**Torque wrench with built-in angle gauge, electronic ·
SYSTEM 7000 eTAC · TOP version · 10–400 Nm**

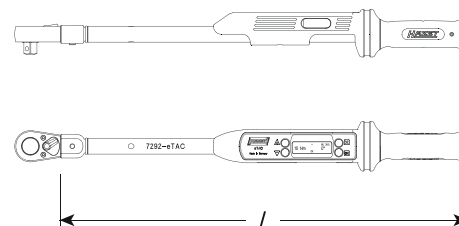
Made in Germany

• Menu languages now also available: Italian, French and Chinese (sep. HAZET No. on request)

- **Testing accuracy $\pm 1\%$ / ± 1 digit (or $\pm 1^\circ$) in rotation to the right or left**
- Three signals alert the user during screwing process: audible signal (buzzer), vibration signal and a 360° LED display with "traffic light function" that is visible from all around
- Big and easily readable display, 180° rotatable
- **Adjustable signals:** audible signal (buzzer) **on/off** and vibration **on/off**
- Indication of the measuring values in 13 mm font size, including a rating of the screwing process (o.k. / not o.k.)
- Safety switch-on and switch-off (2 buttons) and automatic **time dependent** and energy-saving stand-by mode
- Choice of measuring units: Nm, lbf.ft, **lbf.in** and **kgf.m**
- Rotation angle range up to 999 degrees
- Menu locking to prevent unintentional change of setting values, 4-digit code is freely selectable
- Indication of battery condition and memory
- 4 standard batteries (AA – 1.5 V) ensure long service life
- Memory capacity for up to **2000 readings**, incl. date and time
- Includes detailed operating instructions and certificate in aluminium frame case with foam insert, also includes HAZET Insert Reversible Ratchet
- Offers possibility to select or program the effective length for other insert tools (precondition for the correct torque / angle measurements)
- Read-out software for storage data with access via Mini-USB connection optionally available
- Alterable threshold value (pre-warning level)
- Switchable display backlight
- Offers possibility to program flow charts and sets of parameters
- Programmable: angle control during torque tightening and torque control during angle tightening
- Release accuracy tolerance according to ISO 6789 - DIN EN ISO 6789 - NF EN ISO 6789



YouTube Clip



HAZET No.	Output	l mm	Nm		EAN-No. 4000896+
• Delivery includes insert reversible ratchet 6402-1 ■ 10 = $\frac{3}{8}$" • Length with / without insert tool: 425.5 mm / 380.5 mm • Weight with / without insert tool: 870 g / 780 g					
7291-2 eTAC	□ 9x12, ■ 10 = $\frac{3}{8}$ "	380.5	10–100	2.9 – 28.7	160945
• Delivery includes insert reversible ratchet 6404-1 ■ 12.5 = $\frac{1}{2}$" • Length with / without insert tool: 580 mm / 518 mm • Weight with / without insert tool: 1250 g / 980 g					
7292-2 eTAC	□ 14x18, ■ 12.5 = $\frac{1}{2}$ "	518	20–200	4.1 – 40.7	160969
• Delivery includes insert fine-tooth reversible ratchet 6406 ■ 20 = $\frac{3}{4}$" • Length with / without insert tool: 1018.5 mm / 942.5 mm • Weight with / without insert tool: 3200 g / 2300 g					
7294-2 eTAC	□ 14x18, ■ 20 = $\frac{3}{4}$ "	942.5	40–400	4.4 – 43.8	160983
• Torque wrench including DAkkS calibration certificate					
7291-2 eTAC CAL	□ 9x12, ■ 10 = $\frac{3}{8}$ "	380.5	10–100	2.9 – 28.7	193141
7292-2 eTAC CAL	□ 14x18, ■ 12.5 = $\frac{1}{2}$ "	518	20–200	4.1 – 40.7	193158
7294-2 eTAC CAL	□ 14x18, ■ 20 = $\frac{3}{4}$ "	942.5	40–400	4.4 – 43.8	193172

Torque screwdrivers

6001 Torque screwdriver · 0.4–5.4 Nm

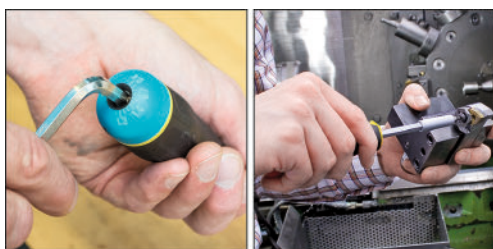
- For all fittings with low torque e.g. disc brakes on bicycles

6.3 1/4"

- Torque release clearly palpable and audible by ratcheting when torque setting is reached
- Loosening without torque function possible
- Fast and precise setting of torque values with hex-head wrench (HAZET 2100-06, included in delivery)
- Insert bit holder with magnet for all bits with $\odot$ drive or HAZET Adapter 2304 for connection to $\square$ 1/4" HAZET 850 socket
- Release accuracy (tolerance) according to EN ISO 6789

Contents:

Torque handle with bit holding adapter 2239-7, hex-head wrench 2100-06



HAZET No.	Output	Drive	l mm	Nm	Release accuracy tolerance %		EAN-No. 4000896+
- For all screw connections with low torque e.g. valve cores on tyre pressure control systems - For torque values from 0.4 -1.4 Nm							
6001-1.4/3	$\odot$ 6.3 = 1/4"	—	—	0.4–1.4	10	3	190980
For torque values from 0.6 up to 1.5 Nm							
6001-1.5/3	$\odot$ 6.3 = 1/4"	—	—	0.6–1.5	10	3	141678
According to VW Service Information e.g. for the fastening screws at the air-filter housing on 1.4 l engine with turbocharger on VW Eos, Golf, Golf Plus and Passat							
6001-3.0/3	$\odot$ 6.3 = 1/4"	—	—	1.5–3	6	3	141685
6001-5.4/3	$\odot$ 6.3 = 1/4"	—	—	3–5.4	6	3	141692
Adapter $\square$ 6.3 = 1/4" — $\bullet$ 6.3 = 1/4"							
2304	$\square$ 6.3 = 1/4"	$\bullet$ 6.3 = 1/4"	25	—	—	—	016020

6000 CT Torque screwdriver · SYSTEM 6000 CT · Release accuracy tolerance $\pm$ 5% · 0.1–6 Nm

- Release accuracy tolerance $\pm$ 5% of scale value (in direction of actuation)
- For bits with 6.3 = 1/4" outside hexagon drive
- Operation of sockets ($\square$ drive 6.3 = 1/4") with HAZET 2304 adapter
- DIN EN ISO 6789:2003 (D)

6.3 1/4"



HAZET No.	Output	Drive	l mm	Nm	$\frac{1}{N}$ Nm	cNm	EAN-No. 4000896+
6002 CT	$\odot$ 6.3 = 1/4"	—	170	0.1–1.2	0.01	10–120	023004
6003 CT	$\odot$ 6.3 = 1/4"	—	230	1–6	0.1	100–600	023011
Adapter $\square$ 6.3 = 1/4" — $\bullet$ 6.3 = 1/4"							
2304	$\square$ 6.3 = 1/4"	$\bullet$ 6.3 = 1/4"	25	—	—	—	016020



System 6300 CT

- **With lockable torque setting**

- Especially suitable for application in industrial series production

Adjusting the desired torque value with adjustment wrench 6399 in conjunction with HAZET torque tester 6903, 6905 or any other suitable device.

All torque wrenches of this line (HAZET 6391-6392) are without scale and without signal transmitter

6300 Torque wrench · 2–35 Nm

Made in Germany

- **Release accuracy tolerance: $\pm 2\%$ of scale value** (in direction of actuation)

- With plug-and-socket connection to accommodate insert tools

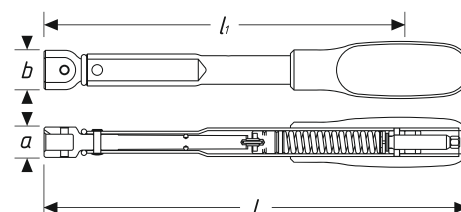
- **With lockable torque setting**

- Especially suitable for application in industrial series production

Adjusting the desired torque value with adjustment wrench 6399 in conjunction with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device.

All torque wrenches of this line (HAZET 6391-6392) are without scale and without signal transmitter

- DIN EN ISO 6789:2003 (D)



HAZET No.	Output	l mm	l_1 mm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
6391-12	☐ 9x12	125	100	2–12	2	1.7 – 10.1	17	22	027026
6391-25	☐ 9x12	180	130	2–25	2	1.2 – 14.6	17	22	027040
6391-35	☐ 9x12	180	130	15–35	2	8.8 – 20.5	17	22	027057
• With factory-set release torque according to your needs									
6391-12 V	☐ 9x12	125	100	2–12	2	1.7 – 10.1	17	22	145850
6391-25 V	☐ 9x12	180	130	2–25	2	1.2 – 14.6	17	22	145867
6391-35 V	☐ 9x12	180	130	15–35	2	8.8 – 20.5	17	22	145874

6300 Torque wrench · 5–85 Nm

Made in Germany

- **Release accuracy tolerance: $\pm 2\%$ of scale value** (in direction of actuation)

- With plug-and-socket connection to accommodate insert tools

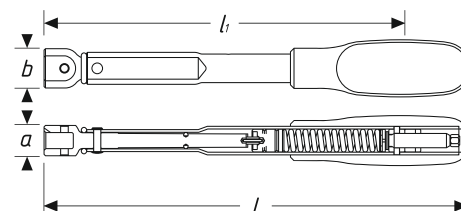
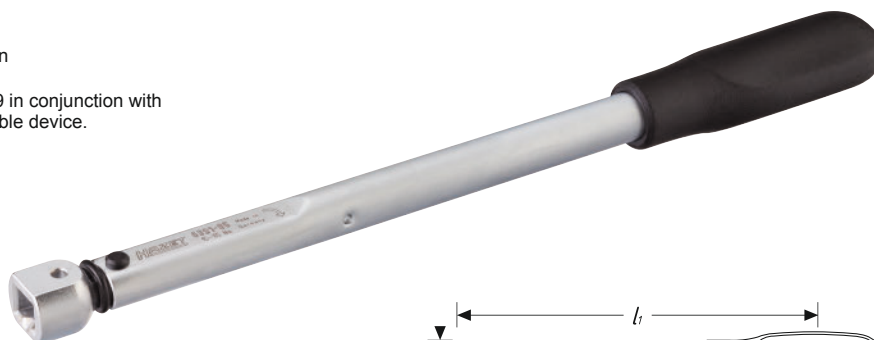
- **With lockable torque setting**

- Especially suitable for application in industrial series production

Adjusting the desired torque value with adjustment wrench 6399 in conjunction with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device.

All torque wrenches of this line (HAZET 6391-6392) are without scale and without signal transmitter

- DIN EN ISO 6789:2003 (D)



HAZET No.	Output	l mm	l_1 mm	Nm	Release accuracy tolerance %		a mm	b mm	EAN-No. 4000896+
6391-50	☐ 9x12	240	190	5–50	2	2.2 – 22.0	17	22	027064
6391-85	☐ 9x12	315	260	15–85	2	5.0 – 28.2	17	22	027071
• With factory-set release torque according to your needs									
6391-50 V	☐ 9x12	240	190	5–50	2	2.2 – 22.0	17	22	145881
6391-85 V	☐ 9x12	315	260	15–85	2	5.0 – 28.2	17	22	145898

6300 Torque wrench · 50–320 Nm

Made in Germany

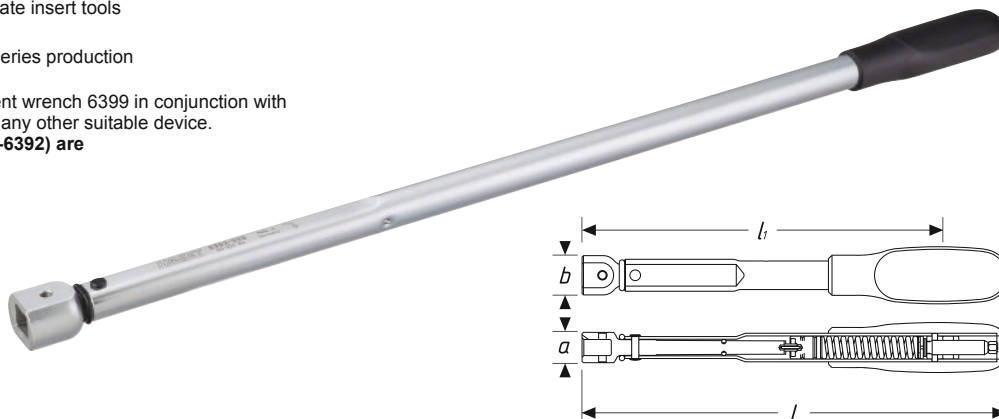
- Release accuracy tolerance: $\pm 2\%$ of scale value (in direction of actuation)
- With plug-and-socket connection to accommodate insert tools
- With lockable torque setting
- Especially suitable for application in industrial series production

Adjusting the desired torque value with adjustment wrench 6399 in conjunction with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device.

All torque wrenches of this line (HAZET 6391-6392) are without scale and without signal transmitter

• DIN EN ISO 6789:2003 (D)

E 14 x 18



<i>HAZET</i> No.	Output	<i>l</i> mm	<i>l</i> ₁ mm	Nm	Release accuracy tolerance %		<i>a</i> mm	<i>b</i> mm	EAN-No. 4000896+
6392-200	☐ 14x18	400	345	50–200	2	12.9 – 51.4	23	30	027118
6392-320	☐ 14x18	630	570	60–320	2	9.8 – 52.2	23	30	027125
• With factory-set release torque according to your needs									
6392-200 V	☐ 14x18	400	345	50–200	2	12.9 – 51.4	23	30	145904
6392-320 V	☐ 14x18	630	570	60–320	2	9.8 – 52.2	23	30	145911

6399 Adjustment wrench

Made in Germany

- For HAZET torque wrenches 6391 to 6392 (V)



HAZET No.	l mm	EAN-No. 4000896+
6399	167	027170

Insert tool holders

6396 Tool holder

Made in Germany

- Forged from solid steel
- With plug-and-socket connection to accommodate insert tools
- Without any torque function



HAZET No.	Output	l mm	EAN-No. 4000896+
6396	☐ 9 x 12	405	027132
6397	☐ 14 x 18	635	027149



Torque technology

Insert tool holders

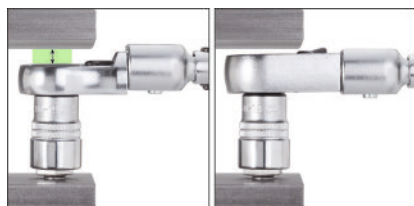
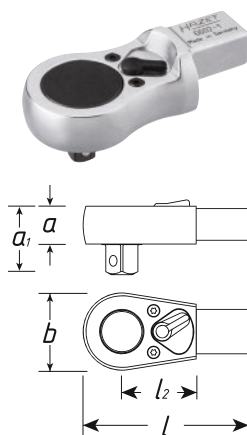


6602 Insert reversible ratchet

Made in Germany

- 40 teeth
- Max. 200 Nm (6602-1)
Max. 320 Nm (6604-1)
- Surface: chrome-plated
- Square according to DIN 3120, ISO 1174-1

14 x 18



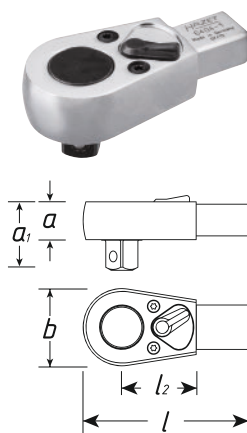
HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6602-1	10 = 3/8"	14 x 18	81	36	40	14.3	20.5	179695
6604-1	12.5 = 1/2"	14 x 18	81	36	40	14.3	20.5	179701

6401-1 Insert reversible ratchet

Made in Germany

- 6401-1 20 teeth – max. 40 Nm
- 6402-1 30 teeth – max. 120 Nm
- 6403-1 32 teeth – max. 120 Nm
- 6404-1 32 teeth – max. 300 Nm
- Drop forged
- Surface: chrome-plated
- Square according to DIN 3120, ISO 1174-1

(E)



HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	EAN-No. 4000896+
6401-1	6.3 = 1/4"	9 x 12	46.5	19.5	21.8	9.9	027439
6402-1	10 = 3/8"	9 x 12	61	30	30	15	027460
6403-1	12.5 = 1/2"	9 x 12	74.5	38.5	40	19.6	027521
6404-1	12.5 = 1/2"	14 x 18	83.5	38.5	40	19.6	027552

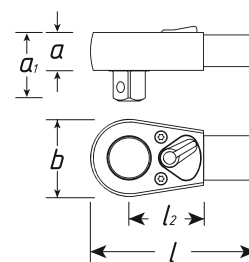
6401 Insert reversible ratchet

Made in Germany

- Fine tooth, 72 teeth, rotation angle 5°
- Drop-forged
- Surface: chrome-plated
- Square according to DIN 3120, ISO 1174-1



6401 Insert reversible ratchet



HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6401 N	6.3 = 1/4"	9 x 12	46	17.5	25	11	16.5	115204
6402	10 = 3/8"	9 x 12	58.5	26	34.5	14.5	22.7	027453
6403	12.5 = 1/2"	9 x 12	58.5	26	34.5	14.5	22.5	027514
6404	12.5 = 1/2"	14 x 18	70.5	27	37	15.7	24.1	027545
6406	20 = 3/4"	14 x 18	101	44	64	24	35.6	027576

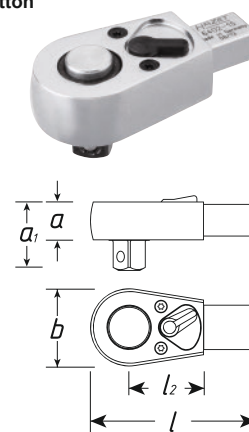
6401 S Insert reversible ratchet

Made in Germany

- With locking device and quick release press button

- 6401-1 S 20 teeth
- 6402-1 S 30 teeth
- 6403-1 S 32 teeth
- 6404-1 S 32 teeth
- Drop-forged
- Surface: chrome-plated
- Square according to DIN 3120, ISO 1174-1

(E)



HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6401-1 S	6.3 = 1/4"	9 x 12	46.5	19.5	21.8	9.9	12.2	027446
6402-1 S	10 = 3/8"	9 x 12	61	30	30	15	17.2	027477
6403-1 S	12.5 = 1/2"	9 x 12	74.5	38.5	40	19.6	22.7	027538
6404-1 S	12.5 = 1/2"	14 x 18	83.5	38.5	40	19.6	22.7	027569

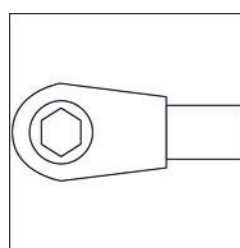
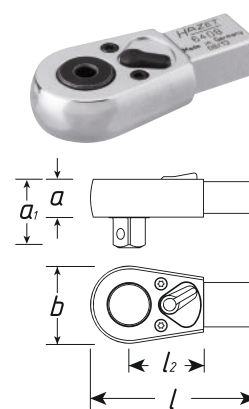
6408 Insert reversible ratchet for bits

Made in Germany

- For screwdriver bits
- Drop-forged
- Surface: chrome-plated

(E)

9 x 12

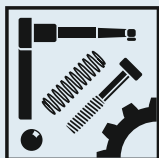


HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6408	6.3 = 1/4", 9 x 12	9 x 12	46.5	19.5	21.8	9.9	11.7	027583
• drive 8 = 5/16"								
• 30 teeth								
6408-1	8 = 5/16", 9 x 12	9 x 12	46.5	30	30	15	15.3	027590



Wear? – No problem!

- HAZET tools are manufactured to the **highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

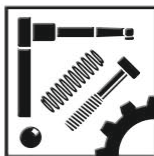
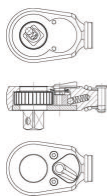


Please also see our spare parts shop www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set

Made in Germany



HAZET
No. EAN-No.
4000896+

Replacement set for shift lever consisting of:
shift lever, screws, ball, compression spring, pawl
for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST
916 K, 2264-1,
6110 CT, 6110-1 CT, 6111-1 CT,
6114-1 CT, 6115-1 CT,
6402-1, 6402-1 S, 6408-1

8816 P/6 144617

Replacement set for ratchet wheel $10 = \frac{3}{8}$ " consisting of:
ratchet wheel, pawl, shift lever, screws, ball, compression spring
for 8816 G, 8816 GK, 8816 P, 8816 ST,
5110-2 CT
6110 CT, 6110-1 CT, 6111-1 CT,
6114-1 CT, 6115-1 CT, 6402-1

8816 P/7 N 042234

Replacement set for shift lever consisting of:
shift lever, screws, ball, compression spring
for 6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1, 6401-1 S, 6408
6401-1/6 146048

Replacement set for ratchet wheel $6.3 = \frac{1}{4}$ " consisting of:
ratchet wheel, pawl, shift lever, screws, ball, compression spring
for 5107-2 CT, 5108-2 CT
6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1
6401/7 111169

Replacement set for ratchet wheel $6.3 = \frac{1}{4}$ " consisting of:
ratchet wheel with quick-release press-button,
pawl, shift lever, screws, ball, compression spring
for 6401-1 S

6401-1 S/7 111152

Replacement set for shift lever consisting of:
shift lever, screws, ball, compression spring, spring washer and locking ring
for 6403-1, 6403-1 S, 6404-1, 6404-1 S
6403-1/7 070756

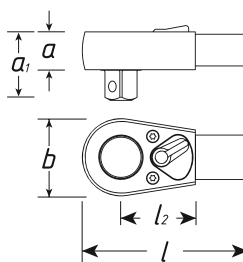
Replacement set for ratchet wheel $12.5 = \frac{1}{2}$ " consisting of:
ratchet wheel, pawl, shift lever, screws, ball,
compression spring, spring washer, circlip
for 6403-1, 6404-1
6403-1/9 070749

Replacement set for ratchet wheel $12.5 = \frac{1}{2}$ " consisting of:
ratchet wheel with quick-release press-button,
pawl, shift lever, screws, ball, compression spring,
spring washer, circlip
for 6403-1 S, 6404-1 S
6403-1 S/9 070817

Replacement set for ratchet wheel $10 = \frac{3}{8}$ " consisting of:
ratchet wheel with quick-release press-button, pawl, shift
lever, screws, ball, compression spring
for 8816 S, 6402-1 S as well as for refitting 8816 P,
8816 G, 8816 GK, 8816 ST, 6110 CT, 6110-1 CT,
6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1
8816 S/7 048465

6413 Insert tool holder with square drives

Made in Germany



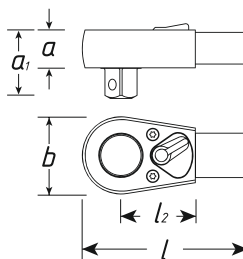
HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	EAN-No. 4000896+
Tool holder insert square 9x12 □ drive $10 = \frac{3}{8}$ "							
6413-1	■ $10 = \frac{3}{8}$ "	■ 9x12	43.5	17.5	22	14	027644
Sliding squares ■ $10 = \frac{6}{16}$ "							
6413-2	■ $6.3 = \frac{1}{4}$ "	■ $10 = \frac{3}{8}$ "	22	–	–	–	048908
6413-3	■ $10 = \frac{3}{8}$ "	■ $10 = \frac{3}{8}$ "	25	–	–	–	048892
6413-4	■ $12.5 = \frac{1}{2}$ "	■ $10 = \frac{3}{8}$ "	30.2	–	–	–	048885

6414 Insert square drive

Made in Germany

- Surface: chrome-plated
- Square according to DIN 3120, ISO 1174-1

14 x 18

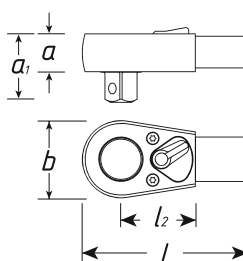


HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6414	■ $12.5 = \frac{1}{2}$ "	■ 14x18	63.5	25	30	18	21.5	027668
6416	■ $20 = \frac{3}{4}$ "	■ 14x18	70	25	40	25	–	027682

6420 Insert tool holder for bits

Made in Germany

- Surface: chrome-plated
- ISO 1173



HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6420 b	○ $6.3 = \frac{1}{4}$ "	■ 9x12	40.5	17.5	20	10	14.5	027903
6420 c	○ $8 = \frac{5}{16}$ "	■ 9x12	41.5	17.5	20	12.5	14.5	027910
6420 d	○ $8 = \frac{5}{16}$ "	■ 14x18	58	25	30	12.5	21.5	027927



Torque technology

Insert tool holders



6423 Insert adapter

Made in Germany

- Surface: chrome-plated



HAZET No.	Output	Drive	l mm	l_2 mm	b mm	a mm	EAN-No. 4000896+
• Square insert 14x18 to 9x12							
6423 c	□ 14x18	■ 9x12	50	34	30	22.9	027934
• Square insert 9x12 to 14x18							
6423 d	□ 9x12	■ 14x18	45	20	22	17	057559

6430 Blank-end insert

Made in Germany

- Spring, bolt and cover included in delivery

Caution: when welding-on tools, the release torque values may change. Observe effective lengths (see conversion table on page 287)



HAZET No.	Drive	l mm	b mm	a mm	a_1 mm	EAN-No. 4000896+
6430 c	■ 9x12	25	19	10	14.5	027958
6430 d	■ 14x18	38	26	11	21.5	027965

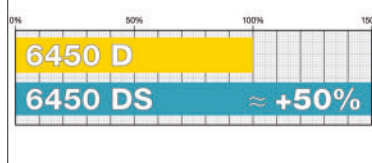
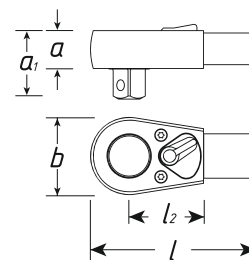
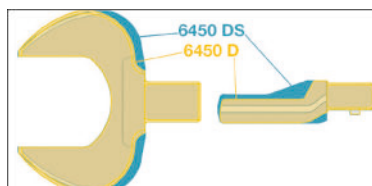
6450 C Insert open-end wrench

Made in Germany

- Surface: chrome-plated



6450 C Insert open-end wrench

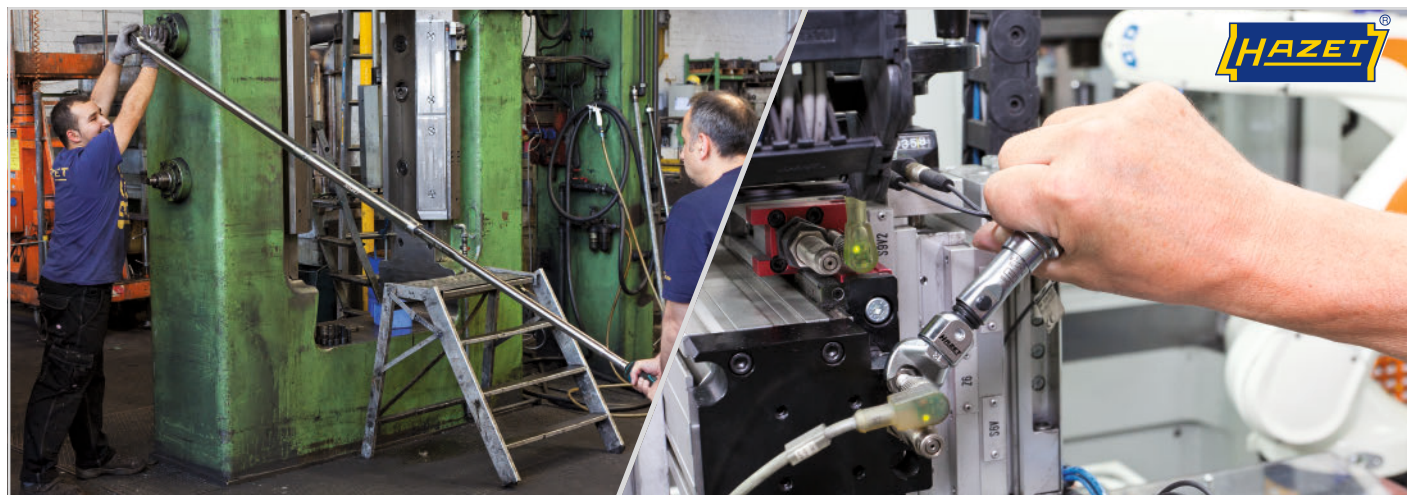


HAZET No.	S mm	Output	Drive	l mm	l_2 mm	b mm	a mm	a_1 mm	EAN-No. 4000896+
6450 c- 7	7	●	■ 9x12	36.5	17.5	20	5.5	14.5	028429
6450 c- 8	8	●	■ 9x12	37	17.5	21.5	5.5	14.5	028436
6450 c- 9	9	●	■ 9x12	37.5	17.5	23	5.5	14.5	028443
6450 c-10	10	●	■ 9x12	38	17.5	24.5	5.5	14.5	028320
6450 c-11	11	●	■ 9x12	38.5	17.5	26	5.5	14.5	028337
6450 c-12	12	●	■ 9x12	38.5	17.5	27.5	5.5	14.5	028344
6450 c-13	13	●	■ 9x12	39	17.5	29	5.5	14.5	028351
6450 c-14	14	●	■ 9x12	42	20	31	7.5	14.5	028368
6450 c-15	15	●	■ 9x12	42.5	20	33	7.5	14.5	028375
6450 c-16	16	●	■ 9x12	43	20	35	7.5	14.5	028382
6450 c-17	17	●	■ 9x12	43.5	20	37	7.5	14.5	028399
6450 c-18	18	●	■ 9x12	44	20	39	7.5	14.5	028405
6450 c-19	19	●	■ 9x12	45	20	41	7.5	14.5	028412

6450 d-13	13	●	■ 14x18	56.5	25	30	7	21.5	028450
6450 d-14	14	●	■ 14x18	57	25	32	7	21.5	028467
6450 d-15	15	●	■ 14x18	57.5	25	34	7	21.5	028474
6450 d-16	16	●	■ 14x18	58	25	35.5	9	21.5	028481
6450 d-17	17	●	■ 14x18	58.5	25	37	9	21.5	028498
6450 d-18	18	●	■ 14x18	59	25	39	9	21.5	028504
6450 d-19	19	●	■ 14x18	59.5	25	41	9	21.5	028511
6450 d-21	21	●	■ 14x18	60.5	25	45	11	21.5	028528
6450 d-22	22	●	■ 14x18	61	25	47	11	21.5	028535
6450 d-24	24	●	■ 14x18	62	25	51	11	21.5	028542
6450 d-27	27	●	■ 14x18	68.5	32.5	58.5	13	22.5	028559
6450 d-30	30	●	■ 14x18	70	32.5	63	13	22.2	028566
6450 d-32	32	●	■ 14x18	71.5	32.5	65	13	22.2	028573
6450 d-34	34	●	■ 14x18	73.2	32.5	68.5	13	22.2	050178
6450 d-36	36	●	■ 14x18	73.3	32.5	68.5	13	22.2	072507
6450 d-38	38	●	■ 14x18	72.7	32.5	68.5	13	22.2	072514
6450 d-41	41	●	■ 14x18	79	40	82	12.4	22.5	028580

• Reinforced design for up to 50% higher torque values

6450 DS-30	30	●	■ 14x18	70	32.5	67.5	13	22.2	164134
6450 DS-32	32	●	■ 14x18	71.5	32.5	67.5	13	22.2	164141
6450 DS-34	34	●	■ 14x18	73.2	32.5	74	15	22.5	164158
6450 DS-36	36	●	■ 14x18	73.1	35	78	15	22.5	164165
6450 DS-41	41	●	■ 14x18	79	40	82	15	22.5	164172



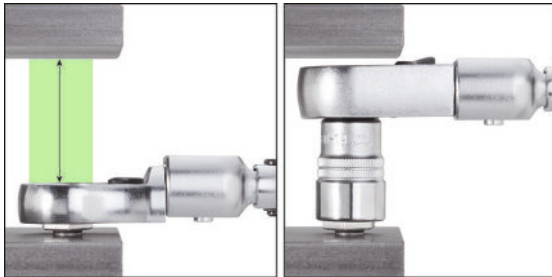
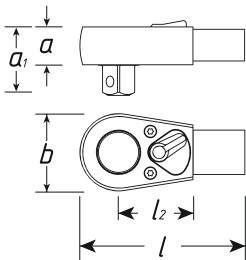


6606 D Ratcheting insert box-end wrench

- Made in Germany**
- With reversing switch



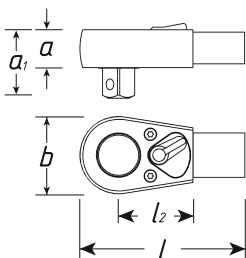
- 40 teeth
- Max. 320 Nm
- Drop forged
- Deep-set reversing switch prevents unintentional change-over
- Especially suitable for HAZET Torque Wrenches[®] 6291-1CT – 6293-1CT
- Extra flat design with deep offset allows application in areas with restricted access
- Surface: chrome-plated



HAZET No.	S mm	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6606 D-16	16	●	■ 14x18	81	36	40	14.3	20.5	179923
6606 D-17	17	●	■ 14x18	81	36	40	14.3	20.5	179886
6606 D-18	18	●	■ 14x18	81	36	40	14.3	20.5	179893
6606 D-19	19	●	■ 14x18	81	36	40	14.3	20.5	179909
6606 D-21	21	●	■ 14x18	81	36	40	14.3	20.5	179916

6612 C Insert box-end wrench (open)

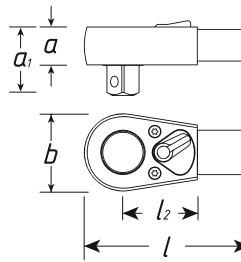
- Made in Germany**
- Surface: chrome-plated



HAZET No.	S mm	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6612 c-10	10	●	■ 9x12	42.3	17.5	22	12	14.5	028726
6612 c-11	11	●	■ 9x12	42.8	17.5	22.5	12	14.5	028733
6612 c-12	12	●	■ 9x12	43.4	17.5	24	12	14.5	028740
6612 c-13	13	●	■ 9x12	43.7	17.5	25	12	14.5	028757
6612 c-14	14	●	■ 9x12	44.4	17.5	27	13	14.5	028764
6612 c-16	16	●	■ 9x12	45.4	17.5	30	13	14.5	028771
6612 c-17	17	●	■ 9x12	45.9	17.5	31.5	13	14.5	028788
6612 c-18	18	●	■ 9x12	46.1	17.5	33	15	15	028795
6612 c-19	19	●	■ 9x12	46.8	17.5	34.5	15	15	028801
6612 c-21	21	●	■ 9x12	48	17.5	37.5	15	15	028818
6612 c-22	22	●	■ 9x12	48.8	17.5	39	15	15	028825

6630 C Insert box-end wrench

- Made in Germany**
- Surface: chrome-plated



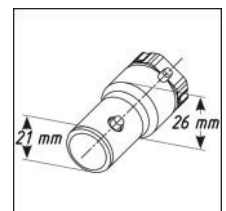
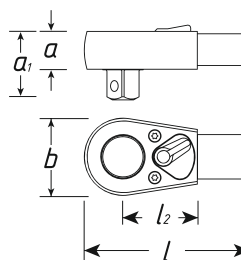
HAZET No.	S mm	Output	Drive	l mm	l ₂ mm	b mm	a mm	a ₁ mm	EAN-No. 4000896+
6630 c- 7	7	●	■ 9x12	40	17.5	20	8	14.5	028955
6630 c- 8	8	●	■ 9x12	40.6	17.5	20	8	14.5	028962
6630 c-10	10	●	■ 9x12	42.1	17.5	20	8	14.5	028832
6630 c-11	11	●	■ 9x12	42.8	17.5	20	8	14.5	028849
6630 c-12	12	●	■ 9x12	43.5	17.5	22	12	14.5	028856
6630 c-13	13	●	■ 9x12	44.3	17.5	22	12	14.5	028863
6630 c-14	14	●	■ 9x12	45	17.5	23	12	14.5	028870
6630 c-15	15	●	■ 9x12	45.5	17.5	24	12	14.5	028887
6630 c-16	16	●	■ 9x12	46.5	17.5	26	13	14.5	028894
6630 c-17	17	●	■ 9x12	47	17.5	27	13	14.5	028900
6630 c-18	18	●	■ 9x12	47.8	17.5	28.5	13	14.5	028917
6630 c-19	19	●	■ 9x12	48.8	17.5	30.5	13	14.5	028924
6630 c-21	21	●	■ 9x12	50	17.5	33	15	15	028931
6630 c-22	22	●	■ 9x12	50.8	17.5	34.5	15	15	028948

6630 d-13	13	●	■ 14x18	60.8	25	30	12	21.5	028979
6630 d-14	14	●	■ 14x18	61.5	25	30	12	21.5	028986
6630 d-15	15	●	■ 14x18	62	25	30	12	21.5	028993
6630 d-16	16	●	■ 14x18	62.9	25	30	12	21.5	029006
6630 d-17	17	●	■ 14x18	63.6	25	30	12	21.5	029013
6630 d-18	18	●	■ 14x18	64.3	25	30	12	21.5	029020
6630 d-19	19	●	■ 14x18	65.3	25	30.5	12	21.5	029037
6630 d-21	21	●	■ 14x18	66.5	25	33	15	21.5	029044
6630 d-22	22	●	■ 14x18	67.3	25	34.5	15	21.5	029051
6630 d-24	24	●	■ 14x18	68.8	25	37.5	15	21.5	029068
6630 d-27	27	●	■ 14x18	76.8	31	41.5	17.5	21.5	029075
6630 d-30	30	●	■ 14x18	78.5	31	45	17.5	21.5	029082
6630 d-32	32	●	■ 14x18	79.8	31	47.5	17.5	21.5	029099
6630 d-34	34	●	■ 14x18	81.3	31	50.5	19	21.5	029105
6630 d-36	36	●	■ 14x18	82.5	31	53	19	21.5	029112
6630 d-41	41	●	■ 14x18	85.5	31	59	19	21.5	029129

6630 A Ring shell tool

- Made in Germany**

- For operation of the HAZET torque wrench 6145-1 CT (after removal of the fix reversible ratchet)
- Surface: chrome-plated



HAZET No.	S mm	Output	Drive	l mm	l ₂ mm	b mm	EAN-No. 4000896+
6630 A-32	32	●	○ 21/26	134	70	54	189595
6630 A-34	34	●	○ 21/26	135	70	56	189601
6630 A-36	36	●	○ 21/26	136	70	58	189618
6630 A-38	38	●	○ 21/26	137	70	60	190355
6630 A-41	41	●	○ 21/26	138.5	70	63	189625
6630 A-46	46	●	○ 21/26	141	70	68	190362



Torque technology

Torque testers, torque multipliers and accessories



Torque testers, torque multipliers and accessories

6690 Mechanical angle dial

Made in Germany

• With flexible magnetic holder for the fixing point

- To be used with operating tools with drive $12.5 = \frac{1}{2}"$ (or $20 = \frac{3}{4}"$) and tools with drive $12.5 = \frac{1}{2}"$ (resp. $20 = \frac{3}{4}"$)
- Range $0-360^\circ$, graduation 1° , 95 mm $\varnothing$



HAZET No.	Output	Drive	EAN-No. 4000896+
6690	$12.5 = \frac{1}{2}"$	$12.5 = \frac{1}{2}"$	029266
6690-1	$20 = \frac{3}{4}"$	$20 = \frac{3}{4}"$	029273

7900 E Torque tester, electronic, 1–25 Nm

- According to DIN EN ISO 6789:2003
- Measuring range 1–25 Nm (max. torque)
- Fix hexagon socket, ISO 1173 C-6.3 = $\frac{1}{4}"$ adapters included – and

- Accuracy tolerance $\pm 1\%$
- 3 operation modes:
 - Tracking mode
 - Click mode for click point indication (1st peak)
 - DIAL mode for peak value indication (final peak)
- Supplied in delivery: Mains adapter and RS-232C connection cable to computer and printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read LED status display with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Weight device: 3.28 kg
- Weight incl. case and mains adapter: 4,66 kg
- H 97.5x $\varnothing$ 160 mm



HAZET No.	Drive	Nm	EAN-No. 4000896+
7903 E	6.3 = $\frac{1}{4}"$	1–25	167425

7900 E Torque tester, electronic, 10–350 Nm

- According to DIN EN ISO 6789:2003
- Measuring range 10–350 Nm (max. torque)
- Fix square socket, $12.5 = \frac{1}{2}"$

- Accuracy tolerance $\pm 1\%$
- 3 operation modes:
 - Tracking mode
 - Click mode for click point indication (1st peak)
 - DIAL mode for peak value indication (final peak)
- Supplied in delivery: Mains adapter and RS-232C connection cable to computer and printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read LED status display with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Weight device: 3.28 kg
- Weight incl. case and mains adapter: 4,66 kg
- H 97.5x $\varnothing$ 160 mm



HAZET No.	Drive	Nm	EAN-No. 4000896+
7901 E	$12.5 = \frac{1}{2}"$	10–350	140671



7900 E Torque tester, electronic, 100–1000 Nm

- According to DIN EN ISO 6789:2003
- Measuring range 100–1000 Nm (max. torque)
- Fixed hexagon socket, ≤ 27 mm
- Accuracy tolerance $\pm 1\%$
- 3 operation modes:
 - Tracking mode
 - Click mode for click point indication (1st peak)
 - DIAL mode for peak value indication (final peak)
- Supplied in delivery: Mains adapter and RS-232C connection cable to computer and printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read **LED status display** with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Weight device: 3.28 kg
- Weight incl. case and mains adapter: 4.66 kg
- H 97.5x $\varnothing$ 160 mm (182 mm, testing hexagon incl.)



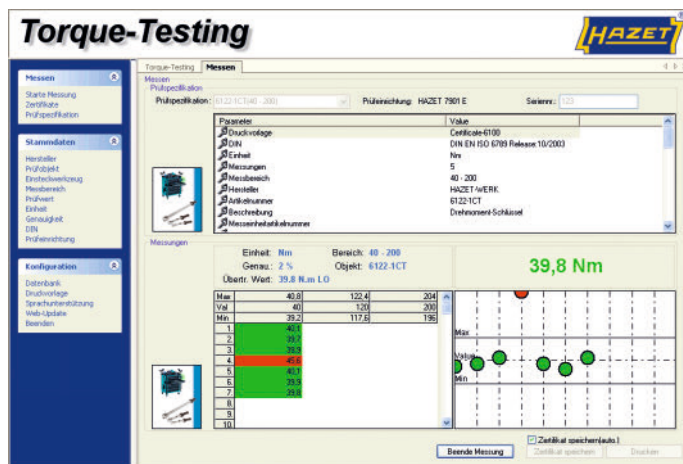
HAZET No.	Nm	EAN-No. 4000896+
7902 E	100–1000	150229

7900 E HAZET Torque testing software

- **Made in Germany**
- For the electronic torque testers 7901 E, 7902 E and 7903 E
- Database (updates will be available) of all current HAZET torque wrenches (whose test values are in the range of 1–1000 Nm) and of insert tools included
- Optional extension of the database to include data of other manufacturers, release torque wrenches (click-type), insert tool holders, measuring ranges, test values, units, tolerances and standards
- Software for creating user-own certificate layouts and optional integration of company logos
- Language tool included. German and English is already available. By means of the language tool, the user creates the operating surface, tables and designation of boxes in any required language
- Internet update function
- Detailed documentation included

System requirements

Operating system: Microsoft® Windows 2000 / XP / Vista / 7 / 8 / 10
 Required storage space: Min. 50 MB free storage space
 Main storage: Min. 256 MB
 Processor: from Pentium III
 Graphic resolution: Min. 1024 x 768
 • DIN EN ISO 6789:2003



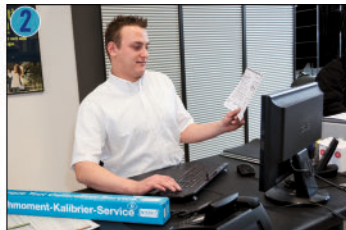
HAZET No.	EAN-No. 4000896+
7901 E-D	148202





SP HAZET SERVICE for torque wrenches and pneumatic tools

Made in Germany



All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise about all the services provided by the HAZET Service Centre as well as local on-site services.

6800 ALU Torque multiplier, 700–2800 Nm

Made in Germany

• Improved, light style made of aluminium. Up to 30% less weight than comparable steel version!

- Avoids the application of long levers, slogging wrenches, etc. – prevents fittings from being damaged
- External energy supply is not necessary
- With **return stop**
- Low maintenance
- High accuracy $\pm 5\%$
- For construction and agricultural machinery, commercial vehicles, plant and engine construction and naval construction
- **Transmission ratio:**
 - 6800 ALU-700 approx. 1:3.5
 - 6800 ALU-1400 approx. 1:3.5
 - 6800 ALU-Lg 1400 approx. 1:3.5
 - 6800 ALU-2800 approx. 1:11



HAZET No.	Output	Drive	Nm	EAN-No. 4000896+
6800 ALU- 700	■ 20 = $\frac{3}{4}$ "	□ 12.5 = $\frac{1}{2}$ "	700	143467
6800 ALU-1400	■ 25 = 1"	□ 20 = $\frac{3}{4}$ "	1400	143481
6800 ALU-2800	■ 25 = 1"	□ 20 = $\frac{3}{4}$ "	2800	143603
• Extra long pattern				
• e.g. for deeply located wheel bolts/nuts on commercial vehicles				
6800 ALU-Lg 1400	■ 25 = 1"	□ 20 = $\frac{3}{4}$ "	1400	143580





Impact screwdriver

318

Impact wrench

318–321

Air ratchet

322–324

Drilling and grinding machines (cutting and machining)

324–330

Blind rivet guns

331

Air blow tools

331–332

Tyre inflators and measuring instruments

332–333

Grease Gun, Spray Gun, Air Blow and Suction Gun

333–334

Pneumatic adapters

334–335

Pneumatic accessories

335–336

Pneumatics service box

336

Cordless impact wrench

337

Hot-Air Tools

337



Pictogram key

	High performance pin clutch mechanism
	Powerful twin hammer striking mechanism
	Jumbo hammer striking mechanism
	Output
	Air inlet thread
	Recommended torque
	Max. torque
	Max. loosening torque
	Max. rotation speed, rpm
	Stroke

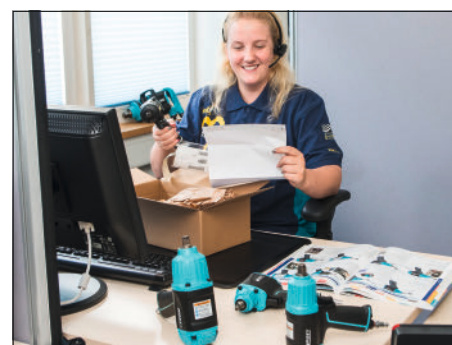
	Max. rotation speed, rpm Forward/reverse
	Weight (net) [without nipples]
	Pressure hose
	Air requirement
	Working pressure
	Sound pressure level (Lp A)
	Sound power level (Lp W)
	Vibration acceleration
	Screw size
	Collet chuck

	Length
	Grinding disc Ø
	Saw stroke
	Cutting capacity: sheet steel
	Cutting capacity: aluminium
	Measuring range (manometer)
	Scale graduation
	Temperature range
	Cold-insulated handle
	Number of pieces in set / assortment

All pneumatic machines are operated with 6.3 bar.

HAZET SERVICE for torque wrenches and pneumatic tools

All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise about all the services provided by the HAZET Service Centre as well as local on-site services.



The HAZET Service Centre

Direct contact and coordination point for services for all of our products

+49(0)2191/792-355
 +49(0)2191/792-523
service-center@hazet.de

- In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.





Compressors

- Selection of suitable compressors depending on the tool being used
- With our pneumatic tools we specify how much air is needed to achieve the required output in the operating instructions.
- Depending on model, our impact wrenches require between 70 and 270 litres of compressed air per minute at a working pressure of approx. 6.3 bar. Often, the error is made here that the compressed air specification on the compressor is overestimated: frequently the specifications on the compressor are stated “without pressure”. This means when “150 litres per minute” can be found as a specification on a compressor, this is the amount of compressed air produced by the compressor **without** pressure.
- If the working pressure increases, the amount of air produced decreases drastically. For the production and storage of 150 litres of air per minute at a working pressure of 6.3 bar, a large workshop compressor is needed. An “ordinary household compressor” with a pressure air tank of 25 litres produces an average of 200 litres of compressed air per minute. In doing so, the motor (usually approx. 1.5 kW / 2 PS) works against pressure of 6.3 bar in the pressure air tank. This means that often only an effective potential of one tenth, i.e. approx. 15 litres per minute is left over.
- Therefore it is advisable to align the specifications of the compressor and the tool which is to be used.

Vibration purposes

- HAZET pneumatic tools are always manufactured and tested according to the latest EU directives as well as national and international standards. The test methods have changed, particularly with the vibration and noise emissions. The determined values can be different/higher compared to the previous HAZET or competitor values (determined with old test methods). Thus, the new and the old values cannot be directly compared based on this revised test method. This does not however automatically mean that a higher value is worse.

Working pressure

- 1 bar less working pressure than specified corresponds to approx. 20% less output.
- A higher than specified working pressure accelerates wear and tear.

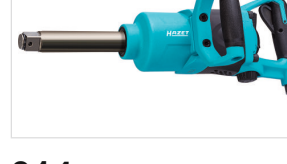
“Compressed air hose”

- The hose diameter is also a decisive factor for ensuring the performance of the devices.
The hose diameter should not exceed 10 mm in order to ensure the required airflow rate. The shorter the hose from the compressor to the device is, the lower the friction loss and the full pressure produced by the compressor is available to the device.





Overview of HAZET impact wrenches

			 max. Nm	 Nm	 max. Nm	 db (A) LpA	 db (A) LpW	 l/min.	 kg	Striking mech- anism	 m/s ²
	9011 M	10 3/8"	461	375	461	90.3	101.3	85.2	1.24		7.78
	9012 SPC	12 5/8 1/2"	750	550	850	92.1	103.1	127.4	2.6		7.42
	9012-1 SPC	12 5/8 1/2"	685	550	1000	94.4	105.4	127	2.54		12.24
	9012 M	12 5/8 1/2"	678	610	1100	97.1	108.1	127	1.24		9.57
	9012 MT	12 5/8 1/2"	745	620	1400	92.7	102	135	1.32		8.74
	9012 EL-SPC	12 5/8 1/2"	1054	881	1700	98	109	139	1.98		10.23
	9013 SPC	20 3/4"	1490	1000	1800	103.1	114.1	176	5.4		13.16
	9013 MG	20 3/4"	1627	1084	1800	96.8	107.8	198	5.16		12.18
	9014 MG-1	25 1"	2712	2440	2712	104.5	115.5	271	6.8		12.57
	9014 MG-2	25 1"	2712	2440	2712	104.5	115.5	271	7.85		12.88



Overview of HAZET impact screwdrivers

			 max. Nm	 db (A) LpA	 db (A) LpW	 l/min.	 kg	Striking mech- anism	 m/s ²
	9010 T	6.3 1/4"	108	98	109	59	0.55		6.74
	9010 TB	6.3 1/4"	108	97.9	109	59	0.55		6.74

Overview of HAZET air ratchets

			 max. Nm	 db (A) LpA	 db (A) LpW	 l/min.	 kg	Striking mech- anism	 m/s ²
	9020-2	6.3 1/4"	35	83	89	180	0.5		3.3
	9021-3	10 3/8"	35	83	89	180	0.5		3.3
	9022-2	12 ⁵ 1/2"	70	88	95	180	1.2		8.5
	9020 P-2	6.3 1/4"	40	90	101	72	0.5		3.3
	9021 P-2	10 3/8"	54	92	103	103	0.5		3.9
	9022 P-2	12 ⁵ 1/2"	108	99	110	113	1.24		9.1
	9022 P-1	12 ⁵ 1/2"	95	88.3	99.3	77	1.39		3
	9022 SR-1	12 ⁵ 1/2"	102	91	98	113	1.99		4.53



Overview of HAZET drilling and grinding machines

		 db (A) LpA	 db (A) LpW	 l/min.	 kg	 m/s ²
	9030-1	91	103	113	1.35	0.5
	9030 N-5	85	96	113	1.2	0.5
	9032 M	83	90	75	0.212	2.5
	9032 N-1	79	85	74	0.4	0.4
	9032 N-5	79	85	74	0.5	0.4
	9032 P-1	87	98	150	0.8	0.46
	9032 P-5	89.1	100.1	150	1.06	3.1
	9033-2	73		57	0.9	
	9033-4	73		240	0.8	
	9033 N-5	80	93	79	0,64	0.77
	9033-6	88		113	1.5	
	9033 N-9	80	93	91	0.72	0.77
	9033 N-7	85	96	113	2	6.5
	9033 P-8	89.5	100.5	113	1.7	3.65
	9033-10	88	88	114	0.9	1.8
	9034 P-1	78.9	89.9	90	0.45	7.7
	9035-5	97		170	2.6	
	9035/6	98		240	1.7	
	9036-5	82		113	1.1	
	9036-1	82		85	1.2	



Overview of HAZET blind rivet guns

		db (A) LpA	db (A) LpW	l/stroke	kg	m/s ²
	9037 N-2			2.64	2.11	
	9037 SPC	85		1	1.5	

Overview of HAZET air blow tools

		db (A) LpA	db (A) LpW	l/min.	kg	m/s ²
	9040 N-1			105	0.132	
	9040 N-2			230	0.154	
	9040-3			360	0.037	
	9040-4	86		330	0.205	

Overview of HAZET grease gun, spray gun, air blow and suction gun

		db (A) LpA	db (A) LpW	l/min.	kg	m/s ²
	9042 N-1			230	2	
	9042-4			225	0.41	
	9043 N-10	92	97	96	0.403	0.4

HAZET cordless impact wrenches

			max. Nm	Nm	max. Nm	db (A) LpA	db (A) LpW	kg	m/s ²
	9212-3	12 ⁵ 1/2"	700	500	700	99.4	110,4	1.86	20.3

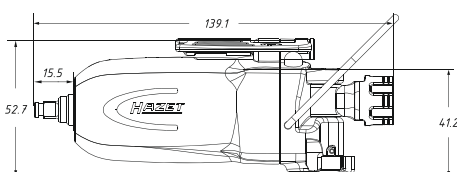


9010 Impact screwdriver

• Handy impact screwdriver, 108 Nm loosening torque

Ⓔ 6.3 1/4"

- Reversing switch for easy change in direction without re-gripping
- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 109 db(A) Lp W
- Vibration acceleration: 6.74 m/s²
- Forward and reverse: three-stage (forward and reverse rotation) to reduce power on sensitive screw connections



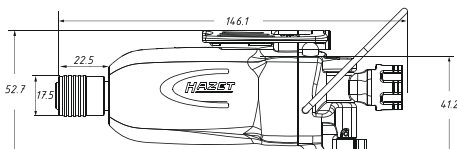
HAZET No.	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9010 T	108	59	12000	98	550	203611

9010 Impact screwdriver for bits

• Handy impact screwdriver, 108 Nm loosening torque

Ⓔ 6.3 1/4"

- Reversing switch for easy change in direction without re-gripping
- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 109 db(A) Lp W
- Vibration acceleration: 6.74 m/s²
- Forward and reverse: three-stage (forward and reverse rotation) to reduce power on sensitive screw connections



9010 Impact screwdriver for bits

Ⓔ 6.3 1/4"



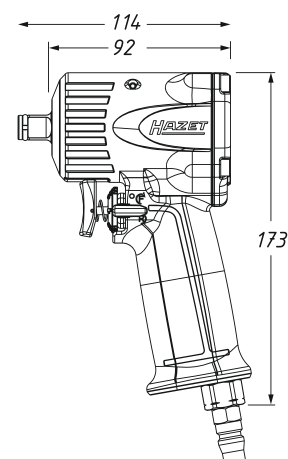
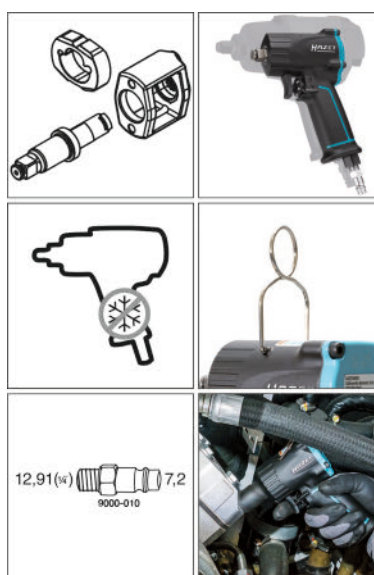
HAZET No.	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9010 TB	108	59	12000	97.9	550	203604

9011 Impact wrench

• Loosening torque: 461 Nm

Ⓔ 10 3/8"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 92 mm**
- Cold insulated handle
- Jumbo hammer striking mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 375 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101.3 db(A) Lp W
- Vibration acceleration: 7.78 m/s²
- Screw size M: 13
- Forward and reverse: three-stage (forward), single-stage (reverse)



HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9011 M	461	461	85.2	6500	90.3	1240	201570
Silicone protective cover							
9012 M-S	-	-	-	-	-	-	202232

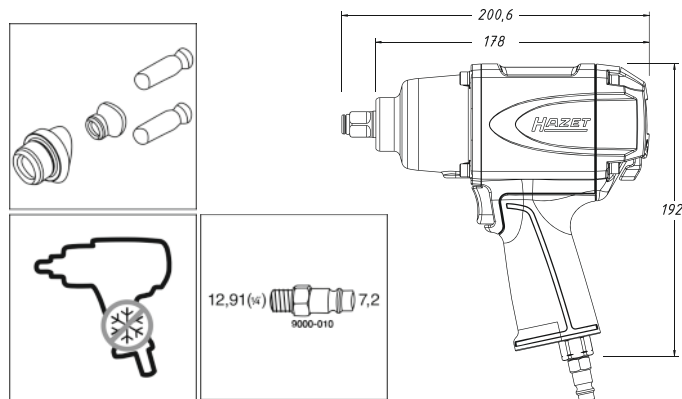


9012 Impact wrench

• Loosening torque: 850 Nm

Ⓔ 12½ 1/2

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful pin clutch mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 550 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 103.1 db(A) Lp W
- Vibration acceleration: 7.42 m/s²
- Screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Enhanced power characteristics due to new, specially developed air motor as well as efficient air guide and improved pull-up torque of the air motor
- Specially heat-treated inner parts for minimised wear
- Ergonomically shaped handles and housing for improved handling and operation



HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 SPC	750	850	127.4	7000	92.1	2600	119639

• Loosening torque: 1000 Nm

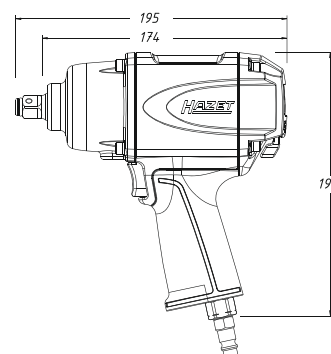
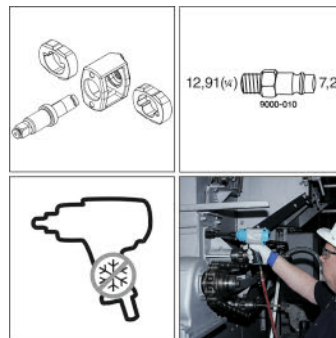
Ⓔ 12½ 1/2

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 550 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 105.4 db(A) Lp W
- Vibration acceleration: 12.24 m/s²
- Screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Enhanced power performance due to efficient air guide and improved pull-up torque of the air motor
- Specially heat-treated inner parts for minimised wear
- Ergonomically shaped handle and housing for optimised handling and operation



9012 Impact wrench

Ⓔ 12½ 1/2

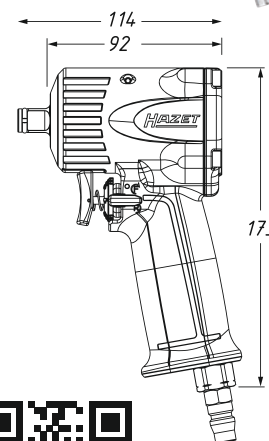
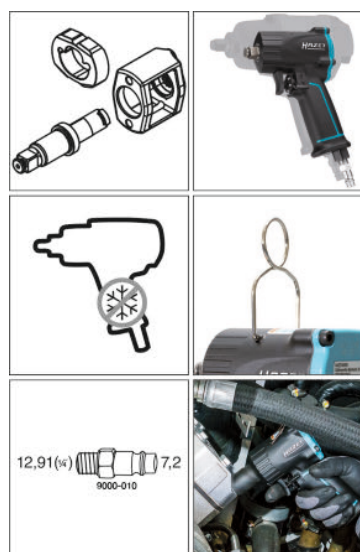


HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012-1 SPC	685	1000	127	7500	94.4	2540	146963

• Loosening torque: 1100 Nm

Ⓔ 12½ 1/2

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 92 mm**
- Cold insulated handle
- Jumbo hammer striking mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 610 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 108.1 db(A) Lp W
- Vibration acceleration: 9.57 m/s²
- Screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)



YouTube Clip

HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 M	678	1100	127	10000	97.1	1242	188987
Silicone protective cover							
9012 M-S	-	-	-	-	-	-	202232



9012 Impact wrench

• Loosening torque: 1400 Nm

12½ 1/2

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 620 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 102 db(A) Lp W
- Vibration acceleration: 8.74 m/s²
- Screw size M: 16
- Mounting bracket
- One-hand operation for right and left handed operators equally usable



HAZET No.	l mm	max Nm	max Nm	l/min.	db(A) LpA	g	EAN-No. 4000896+
9012 MT	100	745	1400	135	92.7	1320	203598

• Loosening torque: 1700 Nm

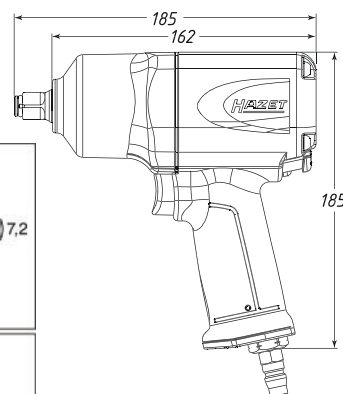
12½ 1/2

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 881 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 109 db(A) Lp W
- Vibration acceleration: 10.23 m/s²
- Screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- One-hand operation by innovative changeover on rear of device



9012 Impact wrench

12½ 1/2



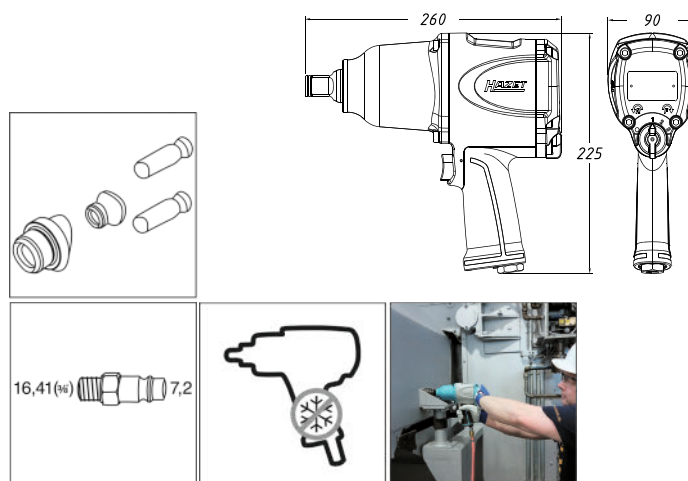
HAZET No.	max Nm	max Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9012 EL-SPC	1054	1700	139	8000	98	1980	188444

9013 Impact wrench

• Loosening torque: 1800 Nm

20 3/4"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful pin clutch mechanism
- Air inlet thread: 16,41 mm (3/8")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 1000 Nm
- Hose diameter (recommended): 13 mm
- Working pressure (bar): 6.3
- Sound power level: 114.1 db(A) Lp W
- Vibration acceleration: 13.16 m/s²
- Screw size M: 30
- Forward and reverse: three-stage (forward), single-stage (reverse)



HAZET No.	max Nm	max Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9013 SPC	1490	1800	176	3800	103.1	5400	153473

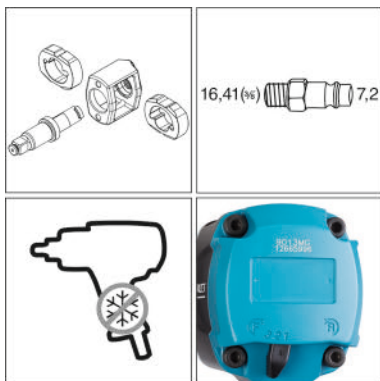
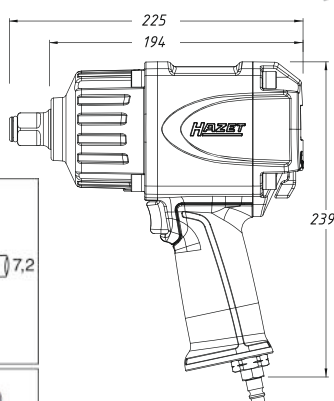


9013 Impact wrench

• **Loosening torque: 1800 Nm**

Ⓔ 20 3/4"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Air inlet thread: 16,41 mm (3/8")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 1084 Nm
- Hose diameter (recommended): 13 mm
- Working pressure (bar): 6.3
- Sound power level: 107.8 db(A) Lp W
- Vibration acceleration: 12.18 m/s²
- Screw size M: 30
- Forward and reverse: three-stage (forward), single-stage (reverse)
- **Light (5.16 kg) magnesium housing**



HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9013 MG	1627	1800	198	6100	96.8	5160	109210

9014 MG Impact wrench

• **Loosening torque: 2712 Nm**

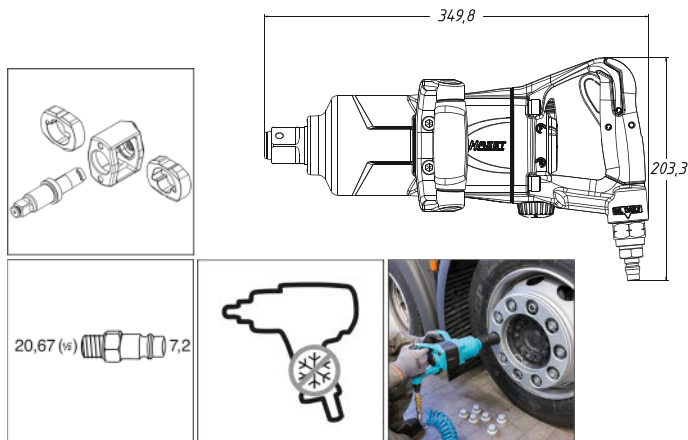
Ⓔ 25 1"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Air inlet thread: 20,67 mm (1/2")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 2440 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 115.5 db(A) Lp W
- Vibration acceleration: 12.57 m/s²
- Screw size M: 36
- Forward and reverse: four-stage (forward and reverse)
- **Light magnesium housing**



9014 MG Impact wrench

Ⓔ 25 1"

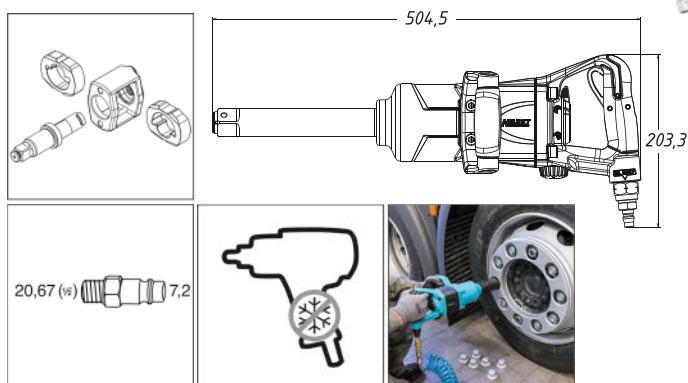


HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 MG-1	2712	2712	271	6200	104.5	6800	196661

• **Loosening torque: 2712 Nm**

Ⓔ 25 1"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Cold insulated handle
- Powerful twin hammer mechanism
- Air inlet thread: 20,67 mm (1/2")
- Coupler plug: nominal size 7.2 (included)
- Recommended torque: 2440 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 115.5 db(A) Lp W
- Vibration acceleration: 12.88 m/s²
- Screw size M: 36
- Forward and reverse: four-stage (forward and reverse)
- **Light magnesium housing**



HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 MG-2	2712	2712	271	6200	104.5	7850	196678



9020 Mini air ratchet set

- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: progressively adjustable (right/left)
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



9020 P-2 • 1/4"



850 • 1/4" • 10 • 11 • 12 • 13

871-4 • 1/4" • 1/4"

2204 • 1/4" • 3 • 4 • 5 • 6 • 7

2215 • 1/4" • PH 1 • PH 2

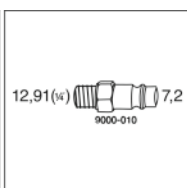
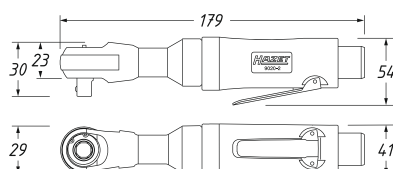
2223 • 1/4" • T 10 • T 15 • T 20 • T 25 • T 30

2250-1 • 1/4" • 1/4"

HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	L x W x H mm	EAN-No. 4000896+
9020 P-2/24	40	72	250	90	500	185x153x52	24 186297

9020 Air ratchet

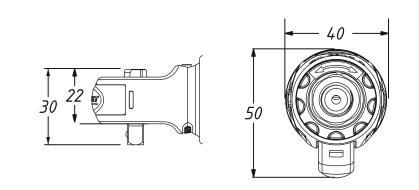
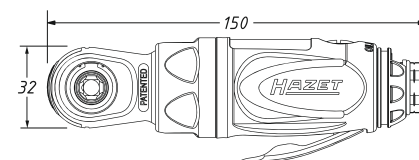
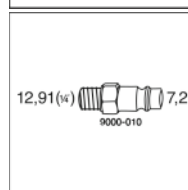
- Reduced vibrations
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 89 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)



HAZET No.	l mm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9020-2	165	35	180	170	83	500	109432

9020 Mini air ratchet

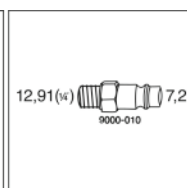
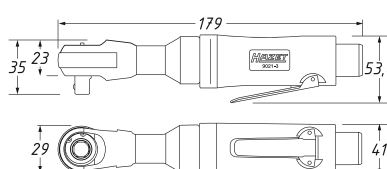
- For hand retightening with torque values > 60 Nm
- 360° exhaust (adjustable)
- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)



HAZET No.	l mm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9020 P-2	150	40	72	250	90	500	184323

9021 Air ratchet

- Reduced vibrations
- Short design (same dimensions as 9020-2)
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 89 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)



HAZET No.	l mm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9021-3	165	35	180	170	83	500	116614

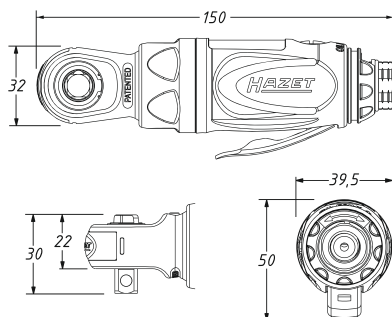
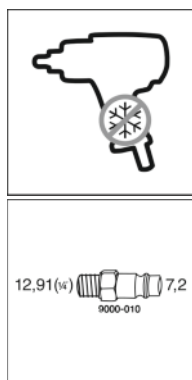


9021 Mini air ratchet

• For hand retightening with torque values > 260 Nm

Ⓔ 10 3/8

- 360° exhaust (adjustable)
- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 103 db(A) Lp W
- Vibration acceleration: 3.90 m/s²
- Forward and reverse: single-stage (right/left)

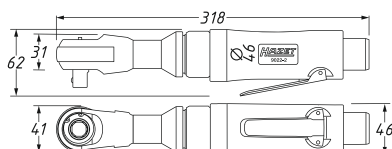


HAZET No.	l mm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9021 P-2	150	54	103	300	92	500	184545

9022 Air ratchet

- Reduced vibrations
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 95 db(A) Lp W
- Vibration acceleration: 8.50 m/s²
- Forward and reverse: single-stage (right/left)

Ⓔ 12 1/2



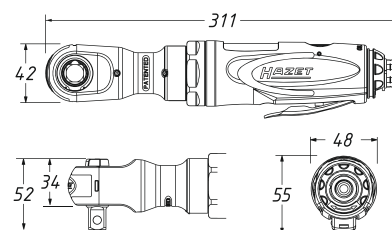
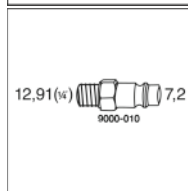
HAZET No.	l mm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022-2	230	70	180	160	88	1200	109456

9022 Air ratchet

• For hand retightening with torque values > 400 Nm

Ⓔ 12 1/2

- 360° exhaust (adjustable)
- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 110 db(A) Lp W
- Vibration acceleration: 9.10 m/s²
- Forward and reverse: single-stage (right/left)



HAZET No.	l mm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022 P-2	260	108	113	280	99	1240	184538

9022 High performance air ratchet

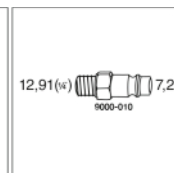
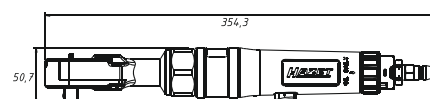
• **Sturdy workshop construction** – especially suitable for continuous operation in industrial production processes

Ⓔ 12 1/2

- **Extra-strong head** made of especially heat-treated special steel
- Sturdy ratchet head suitable for **high permanent stress** (series production and the like)
- Completely closed head avoids the entry of swarf etc.
- **Long service life** and high power rating of the device (long service life = long operational availability)
- For hand retightening with torque values: 350 Nm (competing products have approx. 250 Nm)
- Sound power level: 99.3 db(A) Lp W
- Vibration acceleration: 3.00 m/s²
- Forward and reverse: single-stage (right/left)



YouTube Clip



HAZET No.	l mm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022 P-1	330	95	77	160	88.3	1390	172269

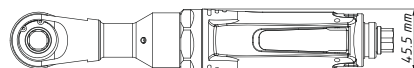
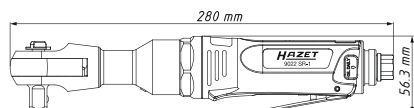
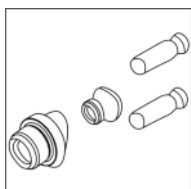


9022 Impact ratchet

- Reaction-free pneumatic impact ratchet for loosening and tightening screw connections in areas with restricted access

Ⓔ 12 1/2

- Reaction-free
- High torque values – approx. 30% above standard products
- Speed level – approx. 3x higher than standard products
- Non-rebound mechanism for low impact work
- Suitable for hand retightening with torque values → 270 Nm (competitive product with approx. 250 Nm only)
- Cold insulated handle
- Powerful pin clutch mechanism
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 98 db(A) Lp W
- Vibration acceleration: 4.53 m/s²
- Forward and reverse: single-stage (right/left)



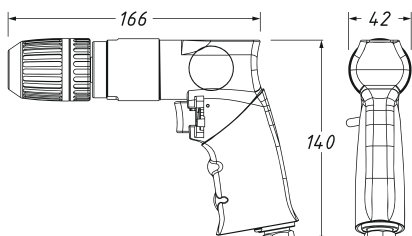
HAZET No.	l mm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022 SR-1	280	102	113	400	91	1990	170593

9030 Drilling machine

- Especially appropriate for car body works and industry

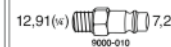
Ⓔ

- Quick-clamping drill chuck
- Exhaust air is guided through the handle downwards
- Robust housing
- Suitable for continuous operation
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 103 db(A) Lp W
- Vibration acceleration: 0.50 m/s²
- Collet chuck: 1 – 10
- Forward and reverse: single-stage (right/left)



9030 Drilling machine

Ⓔ



HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9030-1	170	113	2600	91	1350	109470

9030 Angle drill

- For working in areas with difficult access

Ⓔ

- With keyless drill chuck
- Exhaust air is guided through the handle backwards
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 96 db(A) Lp W
- Vibration acceleration: 0.50 m/s²
- Collet chuck: 1 – 10
- Power in watts: 373 Watt (0.507 PS)



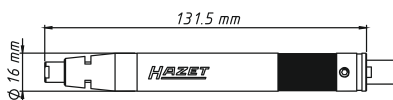
HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9030 N-5	214	113	1400	85	1200	205554

9032 Micro die grinder

- For the precise processing of workpieces even in areas with very restricted access

Ⓔ

- Hose length: 1500 mm
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 5 mm
- Working pressure (bar): 6.3
- Sound power level: 90 db(A) Lp W
- Vibration acceleration: 2.50 m/s²
- Collet chuck: 3 mm
- Power in watts: 190 Watt (0.258 PS)



HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9032 M	132	75	60000	83	212	195152



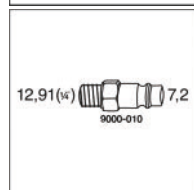
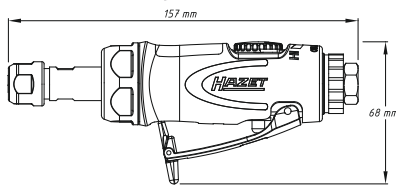
9032 Die grinder, straight design

- **Lightweight, handy device for grinding, polishing, burnishing and deburring**



• Straight design

- Continuous speed regulation via setting wheel on the upper side of the device
- 360° exhaust (adjustable)
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Idle speed: 2000 rpm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 85 db(A) Lp W
- Vibration acceleration: 0.40 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 Watt (0.305 PS)



HAZET No.	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9032 N-1	157	74	2000–25000	79	400	189359

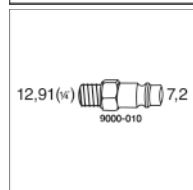
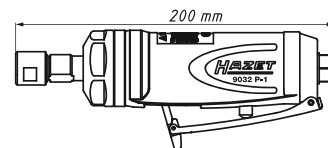
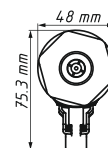
9032 Die grinder, straight design

- **1 HP strong design – more power due to high-performance device – (4 times the performance of previous model)**



• Straight design

- Collet chuck: 6 mm
- High ease of use
- Ergonomic design
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 98 db(A) Lp W
- Vibration acceleration: 0.46 m/s²
- Power in watts: 700 Watt (0.952 PS)



HAZET No.	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9032 P-1	200	150	22000	87	800	190508

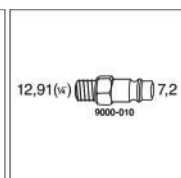
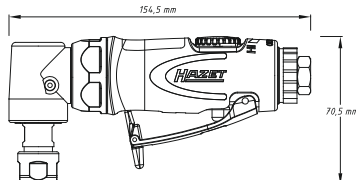
9032 Die grinder, angled

- **For grinding, polishing, burnishing and deburring, particularly in areas that are difficult to access**



• Angled design

- Continuous speed regulation via setting wheel on the upper side of the device
- 360° exhaust (adjustable)
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Idle speed: 2000 rpm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 85 db(A) Lp W
- Vibration acceleration: 0.40 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 Watt (0.305 PS)



HAZET No.	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9032 N-5	155	74	2000–20000	79	500	198788

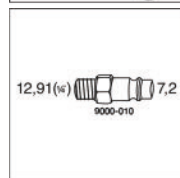
9032 Die grinder, angled

- **1 HP strong design – more power due to high-performance device – (4 times the performance of previous model)**



• Angled design

- High ease of use
- Ergonomic design
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 100.1 db(A) Lp W
- Vibration acceleration: 3.10 m/s²
- Collet chuck: 6 mm



HAZET No.	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9032 P-5	210	150	12000	89.1	1055	202072



9033 Orbital sander

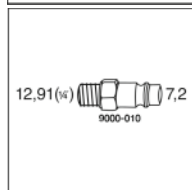
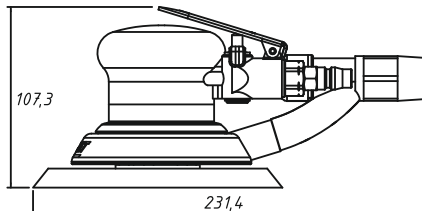
• With dust extraction



- Suction hose (2.0 m) and collection bag included
- Continuous speed regulation
- Low height and light composite housing
- Grinding disc with 15 bore holes, Ø 150 mm with hook and loop fastener
- Anti-slip handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Stroke: 5 mm
- Power in watts: 375 Watt (0.51 PS)



360°



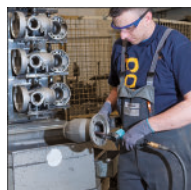
9033 Belt sander

• For narrow surfaces (belt width 10 mm)

Three abrasive belts included 330 x 10 mm (grain size 80, 100, 120)



- Continuous speed regulation
- Locking device for quick belt changing
- Automatic belt adjustment
- 360° rotation
- Belt speed: 1188 m / min
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



12,91 (1/4) 7,2
9000-010

HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033-4	240	18000	73	800	131815
Abrasive belts For belt sander 9033-4 330 x 10 mm. Pack contents 10 pieces.					
Grain size 80					
9033-480/10	—	—	—	39	139101
Grain size 100					
9033-4100/10	—	—	—	35	139118
Grain size 120					
9033-4120/10	—	—	—	32	139125

9033 Mini orbital sander set

• For working in areas with restricted access and repair work



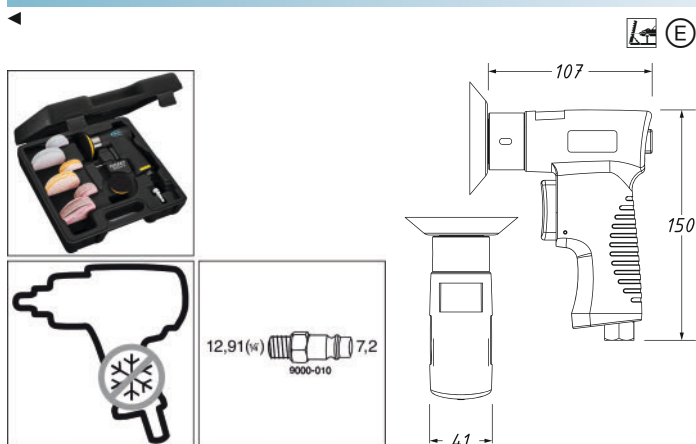
- Including eccentric wheel: 75 mm Ø
- 36-piece set, contents:
 - 1 orbital sander
 - 2 grinding discs 50 mm (2") and 76.2 mm (3")
 - 10 grinding pads each, grain size: 320 / 400 / 600
 - 1 adjusting wrench
- With hook and loop back
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93 db(A) Lp W
- Vibration acceleration: 0.77 m/s²
- Collet chuck: M6
- Power in watts: 238 Watt (0.324 PS)



HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033-2	57	12000	73	900	156337
15-hole grinding disc for orbital sander 9033-2					
• Medium hard with fiber-reinforced rear side					
• With hook and loop fastener					
• Ø 150 mm with 5/16" thread					
9033-020	—	—	—	170	156351
Grinding pads For orbital sander 9033-1 and -2 With 6 holes. For metalworking. Ø 150 mm. Pack contents 10 pieces					
Grain size 80					
9033-180/10	—	—	—	161	139330
Grain size 100					
9033-1100/10	—	—	—	133	139347
Grain size 120					
9033-1120/10	—	—	—	139	139354
Grain size 150					
9033-1150/10	—	—	—	123	139361



9033 Mini orbital sander set



HAZET No.	l / mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033 N-5	107	79	15000	80	640	205585
• 10 spare grinding pads, grain size 320, 50 mm diameter						
9033-5-01/10	—	—	—	—	10	160525
• 10 spare grinding pads, grain size 400, 50 mm diameter						
9033-5-02/10	—	—	—	—	7	160730
• 10 spare grinding pads, grain size 600, 50 mm diameter						
9033-5-03/10	—	—	—	—	18	160747
• 10 spare grinding pads, grain size 320, 75 mm diameter						
9033-5-04/10	—	—	—	—	21	160754
• 10 spare grinding pads, grain size 400, 75 mm diameter						
9033-5-05/10	—	—	—	—	14	160761
• 10 spare grinding pads, grain size 600, 75 mm diameter						
9033-5-06/10	—	—	—	—	20	160778

9033 Multi sander set

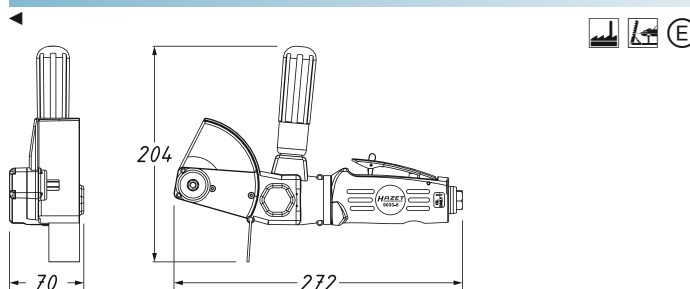
• For the removal of underseal, sealing compound, rust, corrosion, paint, plastic film, labels as well as for paint stripping

• 17-piece set, contents:

- Multi sander
- 2 foil erasers
- 1 adapter for foil eraser
- 1 brush belt 23 mm Ø coarse and bent
- 1 brush belt 11 mm Ø coarse and bent (for underseal as well as paint-stripping with coarse sand-blasting effect)
- 1 brush belt 11 mm Ø fine and straight
- 1 brush belt 23 mm Ø fine and straight (for paint, adhesions and rust, without sand-blasting effect)
- 6 strip wheels
- 1 adapter for 11 mm Ø brush belt
- 1 adapter for single strip wheel
- 1 adapter for double strip wheel
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/2")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



9033 Multi sander set



HAZET No.	l / mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033-6	318	113	3500	88	1500	158577
• 5 foil erasers (lighter version)						
9033-6-01/5	—	—	—	—	1290	160167
• 5 pieces foil eraser (darker version) for water-based paint						
9033-6-01 A/5	—	—	—	—	1280	160228
• 5 brush belts 23 mm wide, coarse, bent tips. For removing underbody protection, sealing putty as well as paint stripping with rough sandblasting effect						
9033-6-02/5	—	—	—	—	280	160174
• 5 brush belts 11 mm wide, coarse, bent tips. For removing underbody protection, sealing putty as well as paint stripping with rough sandblasting effect						
9033-6-03/5	—	—	—	—	140	160181
• 5 strip wheels						
9033-6-04/5	—	—	—	—	150	160198
• 5 brush belts 11 mm wide, fine, straight tips. For the removal of paint and rust, without sand-blasting effect						
9033-6-05/5	—	—	—	—	120	160204
• 5 brush belts 23 mm wide, fine, straight tips. For the removal of paint and rust, without sand-blasting effect						
9033-6-06/5	—	—	—	—	260	160211





9033 Mini polisher set

- For working in areas with restricted access and repair work



- Incl. Polishing Wheel: 75 mm Ø
- 6-piece set, contents:
 - 1 polisher
 - 1 wet grinding pad
 - 1 plastic pad (yellow), soft
 - 1 plastic pad (white), hard
 - 1 lambskin
 - 1 adjusting wrench
- With hook and loop back
- Grinding disc thread M6
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93 db(A) Lp W
- Vibration acceleration: 0.77 m/s²
- Collet chuck: M6
- Power in watts: 238 Watt (0.324 PS)



HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9033 N-9	116	91	3200	80	720	205561
• 5 plastic pads yellow						
9033-9-02/5	—	—	—	—	50	160556
• 5 plastic pads white						
9033-9-03/5	—	—	—	—	80	160563
• 5 lambskins						
9033-9-04/5	—	—	—	—	80	160570

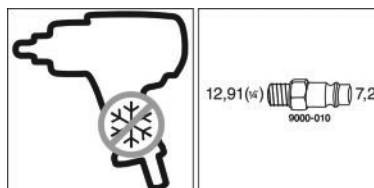
9033 Right-angle grinder

- For working in areas with difficult access

- Lateral handle, to be used on left or right side
- Quick adjustment (without tools) of protection cover
- For grinding discs up to a thickness of 0.8–6 mm
- Spindle thread: M14x2
- For grinding wheels 125x22 mm
- Spindle locking
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 96 db(A) Lp W
- Vibration acceleration: 6.50 m/s²
- Collet chuck: M14x2,0
- Power in watts: 671 Watt (0.912 PS)



9033 Right-angle grinder



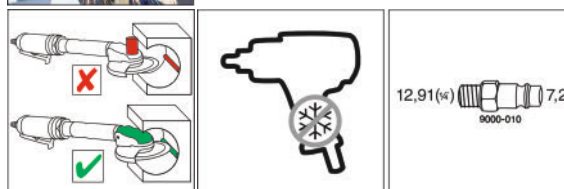
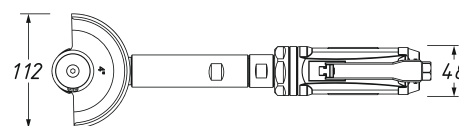
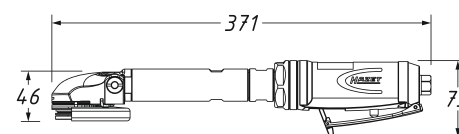
HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9033 N-7	239	113	12000	85	2000	205547

9033 Angle grinder

- Extra flat grinding head – only 50 mm



- For cut-off wheels: 100x0,8x9,53 mm
- High grinding head: 50 mm even lower height, especially suitable for application in areas with restricted access, e.g. cutting of exhaust pipe clamps when installed
- Reduced vibrations
- Quick adjustment (without tools) of protection cover
- Pressure key for locking the output (spindle locking) enables easy changing of cut-off wheels
- Diameter of the wheel holder: 10 mm (3/8")
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 100.5 db(A) Lp W
- Vibration acceleration: 3.65 m/s²
- Power in watts: 700 Watt (0.952 PS)



HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9033 P-8	377	113	14000	89.5	1700	190515

5 cut-off wheels 100 x 0.8 x 9.53 mm (4 x 1/32 x 3/8")

- For use with HAZET angle grinder 9033 P-8
- Standards: EN 12413 and OSA
- INOX suitable

9033 P-08/5	—	—	—	—	5	201549
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25 cut-off wheels 100 x 0.8 x 9.53 mm (4 x 1/32 x 3/8")

- For use with HAZET angle grinder 9033 P-8
- Standards: EN 12413 and OSA
- INOX suitable

9033 P-08/25	—	—	—	—	25	201402
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9033 Angle grinder

- For processing of workpieces even in areas with very restricted access
- For cut-off wheels 76 x 2.1 x 10 mm
- Wheel holder: 10 mm
- Continuous speed regulation on the underside of the device
- Direction of movement (right/left) on the upper side of the device can be selected for controlling the flying sparks as well as for improving the ergonomic working posture
- Including 1 cut-off wheel
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Idle speed: 2000 rpm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 88 db(A) Lp W
- Vibration acceleration: 1.80 m/s²
- Power in watts: 522 Watt (0.71 PS)



HAZET No.	l mm	l/min.	rpm	db (A) LpA	g	□	EAN-No. 4000896+
9033-10	207	114	2000–18000	88	900	–	196371

Cut-off wheel set

- 5 pieces in set
- 76 x 2.1 x 10.0 mm
- Standards: EN12413 and OSA
- Also suitable for stainless steel
- Maximum rotational speed 20100 rpm
- maximum cutting speed 80 m/s

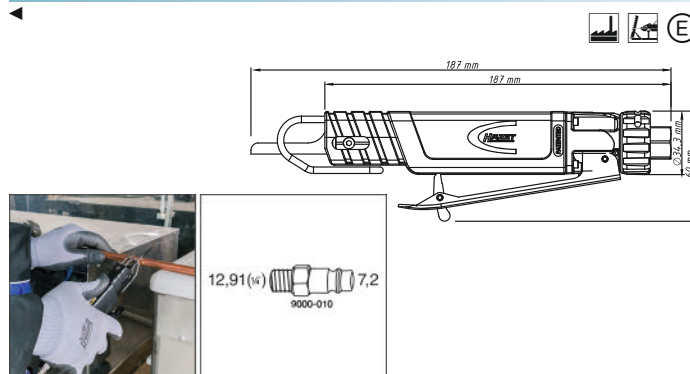
9033-010/5	–	–	–	–	–	5	199969
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9034 Sabre saw

- Increased efficiency with reduction of weight, air consumption, noise generation and vibration
- Cutting capacity: sheet steel 3 mm / aluminium 4 mm
- Low vibration levels
- Low noise levels
- Height-adjustable support frame, suitable for double-walled sheet steel
- Suitable for cutting small radii
- Incl. 3 saw blades (total length: 74 mm)
- Idle speed: 10,000 strokes/min
- Direction of air exhaust adjustable
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 89.9 db(A) Lp W
- Vibration acceleration: 7.70 m/s²
- Saw stroke: 10 mm



9034 Sabre saw



HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9034 P-1	215	90	78.9	450	190690

Saw blades for sabre saw 9034 P-1

- 5 pieces per package
- 75 mm total length
- Tool holder 1 x 13 mm

18 teeth

9034-018/5	–	–	–	16	139392
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24 teeth

9034-024/5	–	–	–	16	139408
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32 teeth

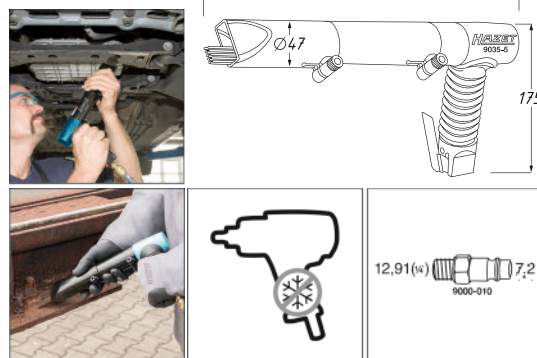
9034-032/5	–	–	–	16	139415
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9035 Needle scaler

- Pistol shape
- Adjustable needle cover enables maximum utilisation of needles
- Two-piece housing design for easy maintenance
- 19 needles Ø 3 mm
- 3,200 impacts/ min
- Dimensions: 330 x 45 x 205 mm
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



360°



HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9035-5	330	170	97	2600	132355

Spare needles

Suitable for needle scaler 9035-5

19 needles, Ø 3 mm

9035-050	–	–	–	202	139385
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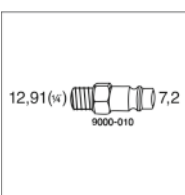
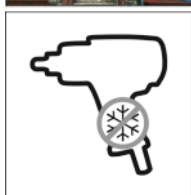
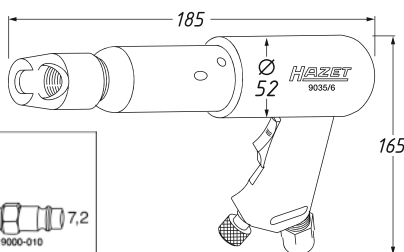


9035 Chisel hammer set

- Approx. 60% reduction in vibrations compared to standard models



- Also suitable for loosening rusted screw fittings
- 5x 175 mm long
- Approx. 60% reduction in vibrations compared to standard models
- 3000 impacts/min
- Chisel collet: $\varnothing$ 10 mm
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Plastic box



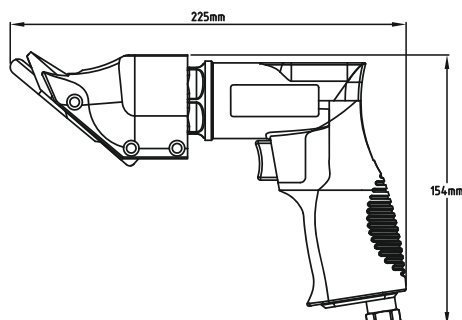
HAZET No.	l/min.	db(A) LpA	g		EAN-No. 4000896+
9035/6	240	98	1700	6	109463

9036 Metal shear

- With heavy-duty cutting blade for maximum cutting capacity stainless steel and steel 1.2 mm / aluminium 1.6 mm



- Also appropriate for contour cuts
- Change of cutting speed with push-button
- Twin bearing spindle reducing vibrations
- Cold-insulated housing
- Cutting width: 4.5 mm
- Cold insulated handle
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



9036 Metal shear



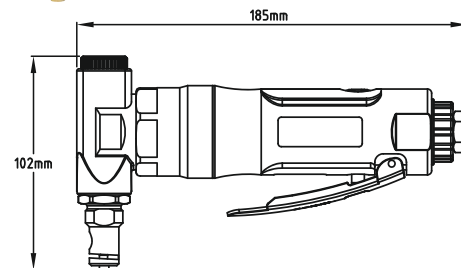
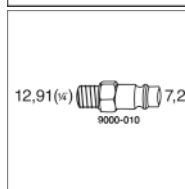
HAZET No.	l/mm	l/min.	db(A) LpA	g	EAN-No. 4000896+
9036-5	220	113	82	1100	132331
Replacement set for 9036-5 (upper and lower cutter incl. spacer plate and screw)					
9036-05/9	-	-	-	180	142569

9036 Air nibbler

- Ideal for cutting small radii (min. 7 mm)



- Also suitable for cutting plastic
- Continuous speed regulation
- Cutting capacity: stainless steel / steel 1.2 mm / aluminium 1.6 mm
- Twin bearing spindle reducing vibrations
- Cutting width: 4.5 mm
- Cold insulated handle
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



HAZET No.	l/mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9036-1	190	85	2600	82	1200	131822
Replacement set for 9036-1 (incl. punch, die, nut and screw)						
9036-01/5	-	-	-	-	60	157792



9037 Blind rivet gun

- **Pneumatic / hydraulic**
Suitable for stainless steel rivets up to 6.4 mm

- Professional riveting, suitable for continuous operation with rivets of up to 6.4 mm made of steel, stainless steel, aluminium and copper
- Possible rivet sizes: 3.0 - 3.2 - 4.0 - 4.8 - 5.0 - 6.0 and 6.4 mm
- 5 nose pieces
- Flexible connecting nipple
- Total stroke: 15.8 mm
- High tractive power: 14700 N
- Particularly low noise level
- With rotary joint for flexible operation
- With rivet and nose piece template on the underside of the rivet gun
- Storage of the different nose pieces on the underside of the rivet gun
- Top up simple oil using special design of the rivet gun
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3



HAZET No.	l mm	l/min.	g	EAN-No. 4000896+
9037 N-2	296.6	2.64	2110	205578

- **Pneumatic / hydraulic**
For pop rivets

- Possible rivet sizes: 2.4 - 3.0 - 3.2 - 4.0 - 4.8 mm
- 4 nose pieces (one nose piece pre-installed)
- With sturdy metal housing
- Tractive power: 8700 N
- Coupler plug with swivel joint for flexible operation
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



9037 Blind rivet gun

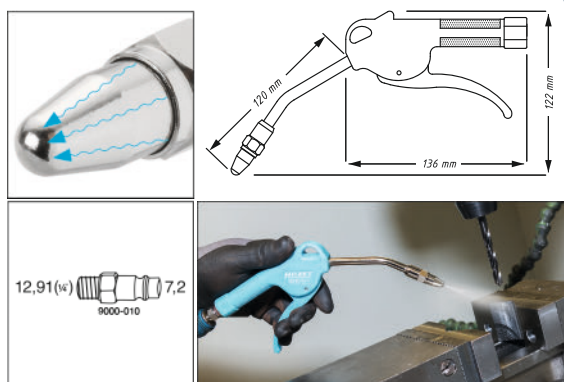


HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9037 SPC	270	1	85	1500	150168

9040 Air blow gun with safety nozzle

- **Safety nozzle (according to OSHA) protects from injury due to hard air stream**

- Maximum working pressure: 10 bar
- With suspension lug
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6

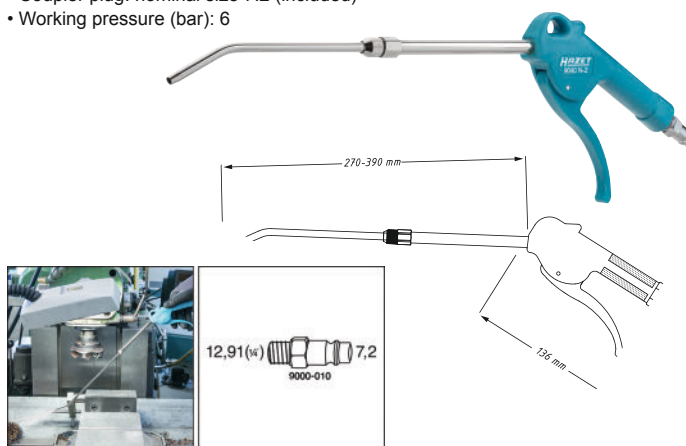


HAZET No.	l/min.	g	EAN-No. 4000896+
9040 N-1	105	132	198368

9040 Air blow gun with extendable nozzle

- **Length: 270 to 390 mm**

- Maximum working pressure: 10 bar
- With suspension lug
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6



HAZET No.	l/min.	g	EAN-No. 4000896+
9040 N-2	230	154	198375



9040 2-way air blow gun

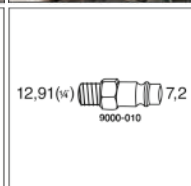
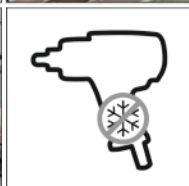
- Sturdy aluminium housing with air inlet at tool head or handle, pressure regulator and exchangeable nozzles



- Aluminium housing with non-slip handle
- Short nozzle for areas with restricted access
- With 112 mm nozzle for working in areas with restricted access, equipped with safety nozzle tip (with scratch protection)
- Maximum pressure: 10 bar
- With pressure regulator
- Air inlet possible at tool bottom or tool head
- To be used in workshops, wood working, decor, housework and on machinery, especially in areas with restricted access
- Cold insulated handle
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Working pressure (bar): 6.3



360°



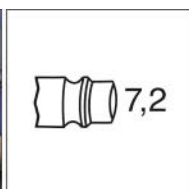
HAZET No.	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040-4	330	86	205	176236

9040 Blow pen

- Practical and compact design with clip for fixation e.g. in pockets



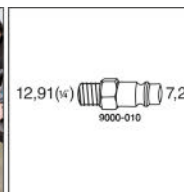
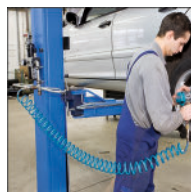
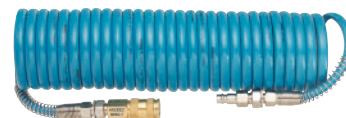
- Turn to adjust air flow
- Nozzle: 3 mm Ø
- Easy handling, clicks directly on air coupling 7.2 mm
- Inlet pressure: 12 bar
- Max. airflow at 6 bar: 360 l/min
- High-quality Perbunan seal (NBR)
- Duraluminium housing
- Coupler plug: integrated, nominal size 7.2



HAZET No.	l/min.	EAN-No. 4000896+
9040-3	109	109500

9040 Spiral hose

- Polyurethan
- Length: 7.62 m
- Inside Ø: 6.35 mm
- Connecting pieces with 360° swivel joints
- Burst pressure according to DIN: 55.1 bar / 800 PSI
- Working pressure: 10 bar
- Air inlet thread: 12,91 mm (1/4")



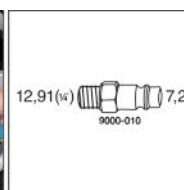
HAZET No.	g	EAN-No. 4000896+
9040-7	630	153404

9041 Tyre inflator

- Special rubber housing protects manometer against light impacts



- Handle with operating lever and discharge knob (for one-hand use)
- Tube with plug-in nipple
- Max. pressure: 8 bar
- Handle with integrated suspension hook
- Measuring range (manometer): 0–12 bar
- Flexible tube, length: 400 mm
- Manometer diameter: 63 mm
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: integrated, nominal size 7.2
- Working pressure (bar): 6.3



HAZET No.	g	EAN-No. 4000896+
9041-1	411	147076

9041 Tyre inflator, calibrated

- Special rubber housing protects manometer against light impacts



- Temperature range: -10° C up to +40° C
- Handle with operating lever for filling and deflating (for one-hand use)
- Hose with plug-in nipple, pivoting through 360°
- Measuring range (manometer) (calibrated): 0-10 bar
- Scale graduation: 0.1 bar
- Flexible hose
- Manometer housing: 63 mm Ø
- Length: 685 mm (with coupling)
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: integrated, nominal size 7.2





9041 Tyre inflator, calibrated



HAZET No.	g	EAN-No. 4000896+
9041-2	565	161928

- With calibration certificate
- Special rubber housing protects manometer against light impacts

- Calibration certificate according to German calibration regulations
- Measuring range (manometer) (calibrated): 0-10 bar
- Temperature range: -10° C up to +40° C
- Handle with operating lever for filling and deflating (for one-hand use)
- Hose with plug-in nipple, pivoting through 360°
- Scale graduation: 0.1 bar
- Flexible hose
- Manometer housing diameter: 63 mm
- Length: 685 mm (with coupling)
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: integrated, nominal size 7.2



HAZET No.	g	EAN-No. 4000896+
9041-2 CERT	565	167760

9042 N Grease gun

- Grease gun adjustable to 360° with continuous pumping of grease and bleeder valve

- Continuous pumping of grease
- 360° adjustable body
- Gun-filling with grease cartridges, loose grease
- Metal tube length: 172 mm
- Nylon hose length: 230 mm
- Filling capacity: 400 ml
- Compaction: 40:1
- Coupler thread metal tube / nylon hose: M10x1 (conical)
- Working pressure (bar): 6.3



9042 N Grease gun

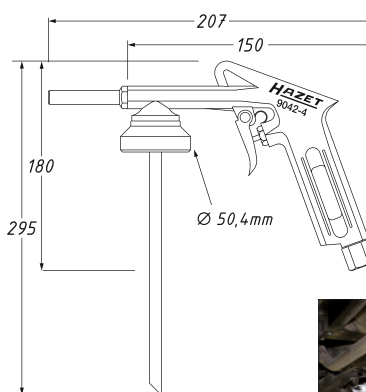


HAZET No.	l/min.	g	EAN-No. 4000896+
9042 N-1	230	2000	176472

9042 Combination spray gun

- For underbody coating and noise protection or sealing of hollow spaces with wax

- Can be used with all common cartridges of 1000 ml.
- Effortless application of wax in hollow spaces, etc. due to flexible 500 mm hose with nozzle for spreading wax which is also supplied
- Simple application of underbody coating (noise protection) with nozzle
- Application recommendation: Open cartridge, insert suction tube, tighten cartridge. Ready for use!
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: integrated, nominal size 7.2
- Working pressure (bar): 6.3



HAZET No.	 mm	 l/min.	 g	EAN-No. 4000896+
9042-4	500	225	410	147090

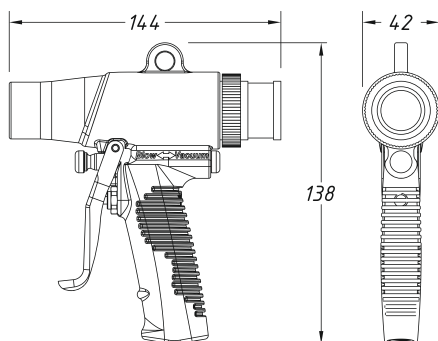


9043 Air blow and suction gun, switchable

• With one-hand reversing switch



- Metal housing
- Deflector special bag insert protects the bag against damage, e. g. due to swarfs, by preventing direct impact of the accelerated swarfs
- Maximum working pressure: 10.34 bar
- Vacuum level: 7.5 mmHg
- Air inlet thread: 12,91 mm (1/4")
- Coupler plug: nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 97 db(A) Lp W
- Vibration acceleration: 0.40 m/s²



HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9043 N-10	148	96	92	403	198382

9000-040 Rotary joint with continuous air flow rate reducer

• 360° rotatable hinge on 2 axes Air flow regulation by means of setting wheel

- Release of the rotating function through compressed air supply, rigid in unpressurized condition
- 12.91 mm / 1/4" thread IG (inside thread)
- 12.91 mm / 1/4" thread AG (outside thread)



HAZET No.	g	EAN-No. 4000896+
9000-040	88	195350

9000-041 Rotary joint

- Pneumatic rotary joint can be rotated 360°



HAZET No.	EAN-No. 4000896+
9000-041	204441

9000-010 Air inlet nipple set

- For adaptation of country-specific connection standards to HAZET pneumatic tools

- 12.91 mm / 1/4" thread
- Steel, nickel-plated
- Surface: nickel-plated



HAZET No.	g	g	EAN-No. 4000896+
9000-010/3	17	3	195015
9000-011/3	16	3	195022
9000-012/3	20	3	195237
9000-013/3	20	3	198139
9000-014/3	20	3	198160

9000-020 Hose connection nipple set

- For adaptation of country-specific connections to compressed air hoses

- Hose clip: 10 mm Ø
- Steel, nickel-plated
- Surface: nickel-plated

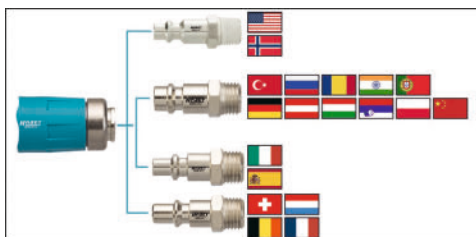


HAZET No.	g	g	EAN-No. 4000896+
9000-020/3	17	3	195244
9000-021/3	16	3	195251
9000-022/3	16	3	195268



9000-050 Safety coupling

- Suitable for all air connection nipples
- Safe disconnection of the connection (unwanted disconnection is excluded)
- No risk of injury from hose impact
- Safety coupling depressurizes the connection before decoupling
- One-hand operation
- Minimal effort during coupling and decoupling
- Omission of loud popping during coupling process
- Easy operation, even with gloves
- Surface: nickel-plated



HAZET No.	Δ± g	EAN-No. 4000896+
• Outside thread (AG) 12.91 mm / 1/4"		
9000-050	129	195275
• Outside thread (AG) 16.41 mm / 3/8"		
9000-051	129	195282
• Inside thread (IG) 12.91 mm / 1/4"		
9000-060	122	195312
• Inside thread (IG) 16.41 mm / 3/8"		
9000-061	122	195299
• Hose nipple: Ø 10 mm		
9000-070	129	195305

9012 MS Silicone protective cover

- Protects the impact wrench housing against damage during tough day-to-day workshop operations

- Application: Can be used for impact wrench types 9012 M and 9011 M
- Semi-transparent protective cover
- Tool-free assembly



HAZET No.	EAN-No. 4000896+
9012 M-S	202232

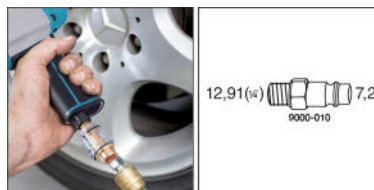
9070 Mini oiler

- For oiling pneumatic tools automatically

- Refillable, filling capacity 28 ml
- Compact design – to be fixed directly to the tool
- Suitable for use with nearly all pneumatic tools
- Extension of the service life of your pneumatic tools
- Air inlet thread: 12,91 mm (1/4")



9070 Mini oiler



HAZET No.	Δ± g	EAN-No. 4000896+
9070-1	106	129188

9070 Maintenance unit

- Dual, consisting of filter-pressure reducer and oil-mist lubricator and manometer

- Connection manometer: 3.2 mm (1/8")
- Max. pressure: 16 bar (1/2" and 3/8") 12 bar (1/4"), max. working pressure: 12 bar (1/2" and 3/8") 10 bar (1/4")
- Pressure indication: 0.5 – 12 bar
- Permissible temperature range: -10 up to +55 °C
- Filter grade: 10 µm
- Recommended lubricant: class F (Sprinter ADVP 22)



HAZET No.	Δ± g	EAN-No. 4000896+
• Air inlet thread 20.67 mm (1/2")		
• Air flow at 6.3 bar: 5000 NI/min		
• Capacity of filter-pressure reducer: 50 ml		
• Capacity of oil-mist lubricator: 170 ml		
9070-2	1380	153343
• Air inlet thread 12.91 mm (1/4")		
• Air flow at 6.3 bar: 1800 NI/min		
• Capacity of filter-pressure reducer: 30 ml		
• Capacity of oil-mist lubricator: 40 ml		
9070-4	580	153367

9070 Filter-pressure reducer

- Consisting of filter-pressure reducer and manometer

- Connection manometer: 3.2 mm (1/8")
- Max. pressure: 16 bar (1/2" and 3/8") 12 bar (1/4"), max. working pressure: 12 bar (1/2" and 3/8") 10 bar (1/4")
- Pressure indication: 0.5 – 12 bar
- Permissible temperature range: -10 up to +55 °C
- Filter grade: 10 µm
- Capacity filter-pressure reducer: 50 ml



HAZET No.	Δ± g	EAN-No. 4000896+
• Air inlet thread 20.67 mm (1/2")		
• Air flow at 6.3 bar: 5000 NI/min		
9070-5	890	153374
• Air inlet thread 12.91 mm (1/4")		
• Air flow at 6.3 bar: 1800 NI/min		
9070-7	380	153398



9400 Special pneumatic tool oil

Made in Germany

- Reduces wear of the air motor

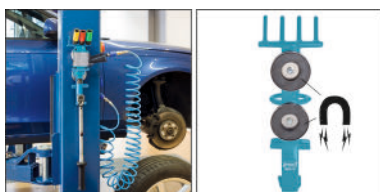
- **Silicon-free** special oil
- Guarantees high performance in daily use
- For increasing machine service lives



HAZET No.	g	EAN-No. 4000896+
• Filling capacity: 100 ml • Spout for direct use • With locking cap • For use in engine-driven pneumatic tools such as impact wrenches, grinders etc.	11	191390
• Filling capacity: 1000 ml • Transparent filling level indicator • For use in engine-driven pneumatic tools such as impact wrenches, grinders etc.	838	191406

9070 Magnetic holder

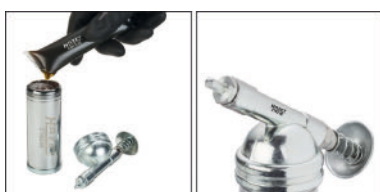
- With two strong magnets to hold one impact wrench and four sockets
- Loading capacity: 10 kg



HAZET No.	g	EAN-No. 4000896+
9070-10	1510	158157

2162 Mini grease gun

- Filling capacity: 80 g
- Creates pressure up to 1,000 PSI / 69 bar
- Suitable for filling with loose grease
- Incl. lubricating nipple in 50° and 90° designs



2162 Mini grease gun



HAZET No.	mm	EAN-No. 4000896+
2162 M	145	185634
• Optimal for quickly and cleanly filling the HAZET mini grease gun 2162 M • Improved mechanical stability prevents loss of lubrication performance in vibrating environment • Good water washout resistance • High oxidative stability • High corrosion protection and excellent adhesion on metallic surfaces • Grease cushion 60 ml		
9300 N-60	—	203406

SP HAZET SERVICE for torque wrenches and pneumatic tools



All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise about all the services provided by the HAZET Service Centre as well as local on-site services.



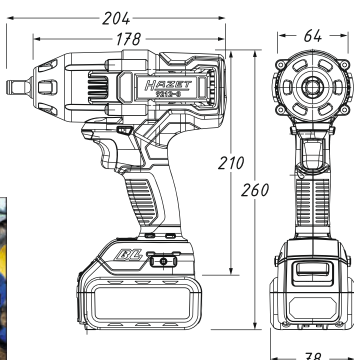
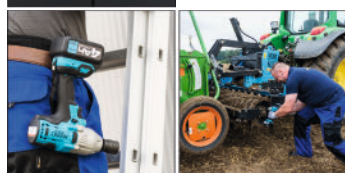
9212-3 Cordless impact wrench set

• High efficiency thanks to brushless motor

Ⓔ 12⁵ 1/2

18 V, 4 Ah

- Three selectable performance levels for torque screw tightening
Level 1: approx. 80 Nm at 600 rpm at ~1700 strokes per minute
Level 2: approx. 300 Nm at 1400 rpm at ~2500 strokes per minute
Level 3: approx. 500 Nm at 2000 rpm at ~3400 strokes per minute
- With illumination of the work area before the output begins to move
- Li-Ion battery with very low self-discharge (only 2%) compared to a standard NiMH battery (15-25%)
- Amperage without load: 5.5 A
- Replacement battery: 9212-04
- Net weight: 1.857 kg (without battery pack)
- Battery net weight: 0.659 kg
- Battery charger net weight: 0.66 kg
- Case net weight: 4.352 kg
- Dimensions incl. battery:
204 x 64 x 259 mm
- **Brushless DC motor (BLDC)**
 - Longer useful life, less wear, no change of the carbon brushes required
 - Greater efficiency and thus less battery consumption
 - More compact motor allows for smaller installation dimensions



HAZET No.	max. Nm	max. rpm	db(A) LpA	g	L x W x H mm	EAN-No. 4000896+
• 3-piece set, Contents: Cordless impact wrench, battery charger, Li-Ion battery (1x)						
9212-3	700	700	2000	99.4	1857	204x64x259 203444
• Battery charger						
9212-03	–	–	–	–	660	– 204823
• Replacement battery, Li ions, 18 V, 4 Ah						
9212-04	–	–	–	–	659	– 205035

1990 Hot-air tool

• Standard design – excellent price-quality ratio

Ⓔ

- Power: **1600 Watts**
- 2 temperature ranges **350 / 500 °C**
- 2 air flow ranges: **350 / 500 l/min**
- Exhaust air will not be deflected through the motor
- Ergonomic design – even distribution of weights – may stand upright
- 3-piece set, contents:
hot-air tool, 1 stainless steel wide slot nozzle and 1 reflector nozzle



1990 Hot-air tool

Ⓔ



HAZET No.		EAN-No. 4000896+
1990-1/3	3	141531

• High-quality design for professionals, with many additional functions

Ⓔ

- Power: **2000 Watts**
- Temperature range: **80–650 °C electronically-controlled and continuously adjustable**
- Air flow range: **200–550 l/min electronically-controlled and continuously adjustable**
- Menu navigation in 8 languages (D, ES, FR, GB, IT, NL, PT, SE)
- 6-piece set, contents:
hot-air tool, 1 stainless steel welding nozzle, 1 overlap welding nozzle, 1 solder sleeve reflector nozzle and 1 reflector nozzle, 1 pressure roller
- 7 preset programmes for welding of plastic material (select the desired programme – temperature and air flow will be set automatically)
- Adjusting of the current temperature through closed electronically-controlled system, using different nozzles
- Stand-by mode (low power consumption at constant temperature)
- Exhaust air will not be deflected through the motor
- 14 preset programmes
- Ergonomic design – even distribution of weights – may stand upright
- Protected heating element ensuring optimal isolation
- LCD-display



HAZET No.		EAN-No. 4000896+
1990-2/6	6	141586





Diagnostics / borescope technology

340–341

Lights

342–343

Floor mats

343

Car Covers

344

Lubrication technology

345–347

General Workshop Tools

347

Safety at work

348–349



Diagnostics / borescope technology

4812 Video borescope

• 4.9 mm Ø micro lens



- Switching function viewing direction 90° + 0°
- Instant replay of video or photos at TFT monitor
- Show and hide date and time easily
- Automatic power off to save energy
- Image Resolution 640x480 Pixel
- Improved connection between probe and housing (metal) adapter for using older probes: 4812-20
- One-hand operation

2nd generation probe:

- Improved illumination with the 90° function
- Improved illumination power of LED
- Simplified application
- Improved quality of the probe coating

Included in delivery

- 1 m probe cable with 4.9 mm Ø micro lens and LED light sources
- Operating panel
- Hook with magnet
- SD card with 4 GB storage capacity
- 4xAA batteries



HAZET
No.



EAN-No.
4000896+

4812-10/4 S

4

181742

4812 Probe for video borescope

- For probes with new, improved connection (4812 N) to be used in conjunction with the operating panels of the sets 4812-10/4 S · 4812-1/7 · 4812-1/6 · 4812-1/8
- For connection with older operating panels, please use the adapter 4812-30
- Camera resolution: 325 (H)x250 (V) = 76800 pixels
- Aperture angle of the camera: horizontal 46°, vertical: 34°, diagonal: 56°
- Depth of field: 10 to 60 mm
- Probe length: 1000 mm
- Ambient conditions: 0° to +55° C
- Weight: 220 g



4812 Probe for video borescope



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
• 3.9 mm Ø			
• Viewing direction of the camera: 90° – permanently installed mirror (Side-View) sharp image up to the edge of the field			
• Luminous source: 2 dimmable LEDs in 90° direction No reflection in the mirror			
4812 N- 1 S	3.9	1000	187102
• 3.9 mm Ø			
• Viewing direction of the camera: straight view (Front-View)			
• Luminous source: 3 dimmable LEDs			
4812 N- 1 F	3.9	1000	187096
• 6 mm Ø			
• Bending range: 2x 150°, bending radius: ca. 48 mm			
• Probe tip may be fixed in position			
• Probe tip: IP 67			
• Viewing direction of the camera: straight view (Front-View)			
• Luminous source: 4 dimmable LEDs			
4812 N- 1 AF	6	1000	187089
• 6 mm Ø			
• Bending range: 2x 150°, bending radius: ca. 48 mm			
• Probe tip may be fixed in position			
• Probe tip: IP 67			
• Viewing direction of the camera: 90° (Side-View) no margins in view			
• Luminous source: 1 LED in 90° direction			
4812 N- 1 AS	6	1000	187072
• 5.5 mm Ø			
• Viewing direction of the camera: straight view (Front-View)			
• Luminous source: 4 dimmable LEDs			
4812 N- 5.5	5.5	1000	187065
• 4.9 mm Ø			
• Visual angle switching function 90° + 0°			
• Dimmable LED			
• Metal connector			
4812-16	4.9	1000	181841

4812 Probe adapter



HAZET No.	EAN-No. 4000896+
• For older probes (4812-) in conjunction with operating panels of the sets 4812-10/7 as well as 4812-10/4 S	
• Old probes (4812-) and adapter (4812-20) for new operating panels	
4812-20	181087
• For probes with new improved connector (4812 N-) to be used in conjunction with the operating panels of the sets 4812-1/7 · 4812-1/6 · 4812-1/8	
• New probes (4812 N-) and adapters (4812-30) for older operating panels	
4812-30	189069

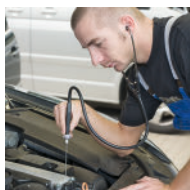


2151 Borescope

- Diaphragm with efficient transmission rate



- Steel tip 180 mm



HAZET No.	l mm	EAN-No. 4000896+
2151	1080	013043
Ear tips for 2151		
2151-02/2	—	062287

1991 Non-contact infrared thermometer

- For non-contact temperature measurements.
With built-in laser pointer



- Wide range application, e.g.- Automotive sector: radiator/cooling systems, brakes, air conditioning, engines, exhaust systems- Chemical and food controls- HVAC/R
- Rapid detection function
- Precise non-contact measurements
- Automatic data holding
- Display of max. temperature, trigger lock
- 9 V battery (6 LR 61)
- Backlight LCD display
- Temperature range: -50° C to 550° C (-58° F to 1022° F)
- Dual laser sighting
- D : S = 12 : 1
- Emissivity digitally adjustable from 0.1 to 1.0
- Set high and low alarms
- In artificial leather pouch with hook-and-loop fastener and belt loop



HAZET No.	EAN-No. 4000896+
1991-1	156054

1977 Inspection mirror

- Setting wheel on handle for continuous mirror adjustment by 90°



- With light
- Flexible shaft enables various angular adjustments
- Battery handle (2x MIGNON 1.5 V) with on/off switch
- Mirror size: 30x55 mm
- Plastic



HAZET No.	l mm	EAN-No. 4000896+
1977-1	620	009800
Mirror and 2 spare bulbs for 1977-1		
1977-01/3	—	009794
Spare bulb		
1977-02	—	070442

1977 Telescopic inspection mirror set

- Telescopic rod, double hinge joint with tension spring
- Replaceable mirror (clear mirror glass) with 4 mm stainless steel threaded bar
- Mirror won't tarnish as polished "metal mirrors" do
- Mirror glass encased in rugged stainless steel



4-piece set, contents:

Telescopic rod, extension length: 300–740 mm

Round mirror: 30 mm Ø

Round mirror: 50 mm Ø

Rectangular mirror: 65x43 mm



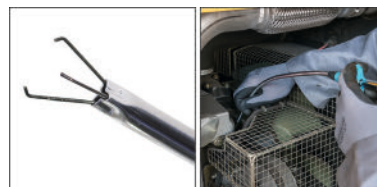
HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
1977-2/4	300	740	150144

1975 Pick-up tool with claws

- Flexible



- Surface: chrome-plated



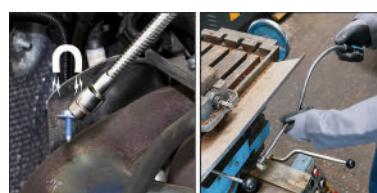
HAZET No.	l mm	EAN-No. 4000896+
1975	540	009725

1976 Magnetic pick-up tool

Made in Germany



- With permanent magnet
- Flexible shank
- Plastic handle



HAZET No.	Ø	Ø mm	l mm	EAN-No. 4000896+
1976	4500	15	545	009732
1976-1	7500	19	545	009749
1976-2	1100	8	475	009763



Lights

1979 LED work light

- Super bright 3 W COB LED plus 3 W quality LED
- 3.7 V, 2200 mAh (rechargeable Li-Ion battery)
- Search light on the light head: 3 W quality LED with superior quality diffuser lens for homogeneous illumination
- Main light (3 W COB LED):
Luminous flux: 275 lumen
Radiation angle: 120°
150 lumen (face side LED)
- Vibration and shock: IK 07 (EN 62262)
- Housing:
 - ABS plastic with rubberised surface
 - 2 fold-out and 360° rotatable hooks (rear side)
 - 2 strong holding magnets on the rear side of the housing
 - Flexible, 180° rotatable handle which can be locked in 8 different positions
 - Additional, super strong holding magnet on the underside of the handle
- Large ON/OFF switch on the front of the housing ensures easy operation
- State-of-charge display by LED (red/green)
- Weight lamp: 312 g
- Dimensions: H 260 x W 55 x D 45 mm
- Total dimensions: H 330 x W 138 x D 127 mm
- Battery charger (incl. 1.8 m cable): 100 – 240 V, AC/DC – dimensions: H 58 x W 24.5 x D 77.5 mm
- Weight: 60 g
- motor vehicle battery charger 12 – 24 V – weight: 56 g
- Luminous flux 100%: 275 lm
- Luminous flux 50%: 150 lm
- Operating time 100%: 3.5 h
- Type of protection (IP): IP54



		COB-LED 275 Lumen 3 W
4 h	IP 54	Top-LED 150 Lumen 3 W
Lithium-Akku 3,7 V 2200 mAh	IK 07	COB-LED 3,5 h
		Top-LED 7 h

HAZET No.	l mm	EAN-No. 4000896+
1979-7	260	190928

1979 LED penlight

- 1 Watt Cree XP-E LED
- Anodisation: level 2
- Number of batteries: 2 x 1.5 V Micro / AAA / (L)R03
- Luminous flux 100%: 55 lm
- Operating time 100%: 2 h
- Range of light: 50 m
- Type of protection (IP): IP54



1979 LED penlight

55 Lumen	2 h	IP 54	AAA – 1,5 V AAA – 1,5 V
-----------------	------------	--------------	----------------------------

HAZET No.	l mm	EAN-No. 4000896+
1979-71	142.9	186051

1979 LED torch light, small design

- Small design
- 3 Watt Cree XP-E LED
- 2 levels of brightness: 25% and 100% (regulation by On / Off switch)
- Range of light at 100%: 198 m / at 25%: 105 m
- Lanyard included
- Operating time at 25%: 24 h
- Luminous flux at 25%: 40 lumen
- Number of batteries: 3 x 1.5 V Micro / AAA / (L)R03
- Luminous flux 100%: 149 lm
- Operating time 100%: 4.2 h
- Type of protection (IP): IP67



100% 149 Lumen	100% 4,24 h	IP 67	AAA – 1,5 V AAA – 1,5 V AAA – 1,5 V
25% 40 Lumen	25% 24 h		

HAZET No.	l mm	EAN-No. 4000896+
1979-72	124	186044

1979 LED torch light, big design

- Big design
- 10 Watt Cree XML-T6 LED
- 2 levels of brightness: 25% and 100% (regulation by On / Off switch)
- Range of light at 25%: 150 m
- Lanyard included
- Operating time at 25%: 36 h
- Luminous flux at 25%: 120 lumen
- Number of batteries: 3 x 1.5 V Baby / C / (L)R14
- Luminous flux 100%: 500 lm
- Operating time 100%: 6.6 h
- Range of light: 258 m
- Type of protection (IP): IP67



100% 500 Lumen	100% 6,6 h	IP 67	C – 1,5 V C – 1,5 V C – 1,5 V
25% 120 Lumen	25% 36 h		

HAZET No.	l mm	EAN-No. 4000896+
1979-73	236.5	186037



1979 LED folding light

• Improved design - 30 % brighter and 30 % longer operating time

- High-quality ABS plastic with rubberised surface
 - Fold-out and 360° rotatable holding hook (rear side)
 - Flexible, 360° rotatable handle on housing, which can be locked in 8 different positions
 - Super-strong holding magnet on the underside of the housing
 - Extra lug for attaching a retaining strap
- With 3-step switch function 100% / 50% / OFF
- Permanently built-in Li-Ion battery pack 3.7 V, 1500 mAh
- State-of-charge display by LED (red/green)
- incl. USB/micro USB charger cable
- Possible to charge the battery via a standard USB adapter 5 V max. 1 A (USB adapter not included)
- Luminous flux 100%: 220 lm
- Operating time 100%: 4.5 h
- Operating time 50%: 12 h
- Type of protection (IP): IP20
- H x W x D
mm: 126 x 66 x 28 mm



220 Lumen	 100% 4,5 h 50% 12 h	 IP 20	Lithium-Akku 3,7 V 1550 mAh
 3 h			

HAZET No.	EAN-No. 4000896+
1979 N-8	203321

1979 Headlamp

• Very comfortable fit

- Continuously adjustable focus with precision lens, incl. red backlight
- 2 brightness levels: 20% and 100%
- 45° flexible lamp head
- Perfect for leisure time and extreme sports
- Battery case at the rear of the straps for equal distribution of weight
- Light bulb: 5 Watt CREE LED
- Operating time 20 %: 15 h
- Number of batteries: 3 x 1.5 V Micro / AAA / (L)R03
- Luminous flux 100%: 280 lm
- Operating time 100%: 3 h
- Range of light: 165 m
- Type of protection (IP): IP54



CREE-LED 280 Lumen 5 W	 100% 3 h 20% 15 h	 IP 64	AAA – 1,5 V AAA – 1,5 V AAA – 1,5 V
165 m	45°		

HAZET No.	EAN-No. 4000896+
1979 N-35	201631

1978 Lamp, flexible

• High intensity light with flexible shaft

- Aluminium housing
- 5 mm Nichia LED
- With magnet on underside of lamp
- With fastening clip
- Neck length: 166 mm
- Number of batteries: 1 x 1.5 V Micro / AAA / (L)R03
- Luminous flux 100%: 20 lm
- Operating time 100%: 2 h
- Range of light: 30 m
- Type of protection (IP): IP44



20 Lumen	Nichia-LED 2 h	 IP 44
AAA – 1,5 V		

HAZET No.	l mm	EAN-No. 4000896+
1978-2	290	193776

Floor mats

195 Kneeling mat

• In shape of the HAZET logo

- Now even more comfort due to new foam quality
- Easy-to-clean surface
- Carrying/suspension handle
- Made of non-absorbing foam with closed cell structure



HAZET No.	H x W x D mm	EAN-No. 4000896+
195-1	30x450x210	121069

195 Mechanic's mat

• In shape of the HAZET logo

- Now even more comfort due to new foam quality
- Easy-to-clean surface
- Big mat for motor mechanics
- Made of non-absorbing foam with closed cell structure
- With carrying handle



HAZET No.	H x W x D mm	EAN-No. 4000896+
195-5	30x975x385	153718

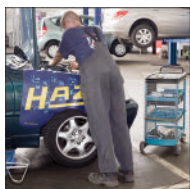


Car Covers

196 Fender cover, universal

Made in Germany

- With magnetic fastening (6 magnets)
- Optimal protection for your customers' vehicles
- Protection from scratches, dents, oil and dirt
- Saving of costs, time and nerves
- Increased work quality – reduction of refinishing works
- Fixation to the fender by magnetic fastening
- Suitable for nearly all vehicle types
- High-quality materials and manufacturing providing a long service life
- Dimensions: 1000x640 mm

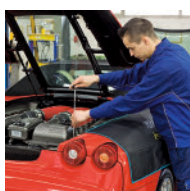


HAZET No.	mm	EAN-No. 4000896+
196-1	1000x640	129171

196 Fender cover

Made of specially coated anti-slip material

- Waterproof, oil and grease repellent
- Cover adheres vertically to almost all car body surfaces (aluminium, steel, GRP)
- Regarding fire safety, cover corresponds to British and US standards Fed 302
- Washable at 40 °C
- Cover for the protection of the car body surface from scratches and damages
- Easy to clean nylon front side surface
- Dimensions: 890x500 mm



HAZET No.	mm	EAN-No. 4000896+
196-2	890x500	149469

196 Front car cover

Also suitable for car repair with the engine running

- Waterproof, oil and grease repellent
- Regarding fire safety, cover corresponds to British and US standards Fed 302
- Easy to clean
- Loop fastening
- With cut-outs for headlights and radiator



HAZET No.	EAN-No. 4000896+
196-3	149414

196 Steering wheel and seat cover set

Suitable for nearly all common car seats and steering wheels

- One size only
- Re-usable
- Durable
- Waterproof, oil and grease repellent
- Regarding fire safety, covers correspond to British and US standards Fed 302
- Tested with a side airbag
- Antistatic
- Washable at 40 °C
- Made of hard-wearing nylon with a surrounding elastic band
- Easy to clean
- Durable and resistant black covers with a welt edge (HAZET-blue)



HAZET No.		EAN-No. 4000896+
196-6/2	2	150151



Lubrication technology

197 Magnetic cup

- Holds small parts such as screws etc.
- Plastic
- Magnetic foot allows fixation to tool trolleys, workshop panels, car lifts etc.



360°

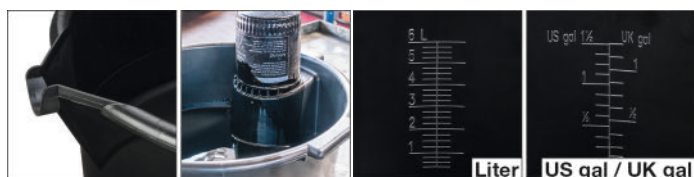


HAZET No.	Ø mm	EAN-No. 4000896+
197-3	150	158584

197 Multifunctional drain pan

- For oil change / oil filter replacement and for cleaning of parts

- Safe and clean outpour due to circumferential overflow gutter
- Made of polyethylene (break-proof)
- Internal scale: Litre, US gal / UK gal
Scale graduation: 1 l / 1 gal
- 3 handles
- With pouring spout
- With protuberance incl. filter security (anti-slip) to deposit small parts
- With drainer for oil filter
- Stackable trays
- Dimensions L x W x H:
400 x 390 x 120 mm
- Manufactured in the EU



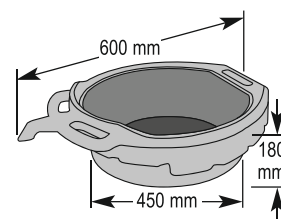
HAZET No.	l	EAN-No. 4000896+
197 N-1	6	198924

- For professional oil change and cleaning of dirty parts

- Safe and clean outpour due to circumferential overflow gutter
- Made of polyethylene (break-proof)
- With tap for safe and clean outpouring of liquids
- Three carrying handles for safe carrying and outpouring



197 Multifunctional drain pan



HAZET No.	l	EAN-No. 4000896+
197-2	16	146802

198 Engine oil filling funnel

Made in Germany

- Replaceable adapter made of aluminium

- Special funnel made of sturdy plastic



HAZET No.	l	Adapter	EAN-No. 4000896+
For VW group vehicles of the MQB platform			
• Necessary due to a smaller diameter of the oil filler plug			
• AUDI A3 (8V), VW Golf 7, SEAT León (5F), ŠKODA Octavia 3			
198-9/2	1	–	186396
• With bayonet fitting, universal use e.g. on AUDI, VW, SEAT, ŠKODA, MERCEDES-BENZ etc.			
198-10/2	1	2	187218
• Adapter with bayonet fitting for engine oil filling funnel 198-9, universal use e.g. on AUDI, VW, SEAT, ŠKODA, MERCEDES-BENZ etc.			
198-10	–	–	187263

198 Flex spout funnel

- Suitable for filling with all standard workshop liquids such as oil, fuel or brake fluid

- Funnel made of polypropylene, flexible spout made of polyethylene, with stainless steel filter
- Funnel diameter: 165 mm
- Total length, incl. spout: 480 mm



HAZET No.	EAN-No. 4000896+
198-1	149155



199 Spray bottle, refillable

• For use with multi-purpose spray, such as e.g. penetrating oil, rust remover, as well as rim and brake cleaner



- Savings due to the use of large containers
 - Safety valve
 - Max. working pressure: 8 bar
 - Viton® gaskets
 - Including 155 mm long jet nozzle and short spray nozzle
 - Two-piece design enables easy cleaning
 - Easy filling through the bottleneck (∅ 25 mm) or in the lower part (∅ 54 mm)
 - Environmentally-friendly: CFC-free and reusable
- The valve located in the floor serves exclusively for filling with compressed air



HAZET No.	l	EAN-No. 4000896+
199-4	0.2	198429

198 Measuring cup

• Suitable for brake fluid, battery fluid and non-acidic liquids



- Material: HDPE
- Colour: white/ transparent



HAZET No.	l	EAN-No. 4000896+
198-4	1	174485
198-5	2	174478
• With pouring spout		
198-6	5	174522
198-8	5	174508

2160 Oiler



HAZET No.	l	mm	EAN-No. 4000896+
2160	0.2	245	013289

2162 Grease gun

- Capacity: 500 cm³
- With reinforced hose, nozzle tube and 2 nozzles M 10 x 1



HAZET No.	EAN-No. 4000896+
2162-1	075027
2162-2	075034

2162 High performance suction gun

- Spare material may be easily sucked back
- With flexible plastic hose outlet
- Housing made of galvanized steel



HAZET No.	l	EAN-No. 4000896+
• Filling capacity: 500 ml • Inside diameter of the hose: 9.5 mm • Outside diameter of the hose: 12.5 mm • NBR seals • For engine oils with a viscosity of 30 to 68 • Not suitable for acidic (erosive) liquids		
2162-4	0.5	174850
• Additionally with metal outlet • Filling capacity: 1000 ml • Inside diameter of the hose: 9.5 mm • Outside diameter of the hose: 12.5 mm • NBR seals • For engine oils with a viscosity of 30 to 68 • Not suitable for acidic (erosive) liquids		
2162-6	1	174454



2163 Hand pump with telescopic suction tube 16 l/min.

- Suitable for drums from 50 to 200 l
 - Telescopic suction tube made of metal, extendable from 450 to 860 mm
 - Base component made of galvanised steel
 - R 2" and R 1½" drum adapters
 - Removable, bent outlet made of metal
 - Flow rate: approx. 0.35 l / stroke
 - Weight: 2.2 kg
- Caution: Not suitable for gasoline extraction**



HAZET No.	EAN-No. 4000896+
2163-1	172771

2162 Mini grease gun

- Filling capacity: 80 g
- Creates pressure up to 1,000 PSI / 69 bar
- Suitable for filling with loose grease
- Incl. lubricating nipple in 50° and 90° designs



HAZET No.	l mm	EAN-No. 4000896+
2162 M	145	185634
• Optimal for quickly and cleanly filling the HAZET mini grease gun 2162 M • Improved mechanical stability prevents loss of lubrication performance in vibrating environment • Good water washout resistance • High oxidative stability • High corrosion protection and excellent adhesion on metallic surfaces • Grease cushion 60 ml		
9300 N-60	—	203406

199 N Pressure sprayer

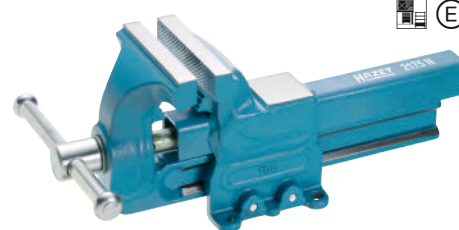
- **New capped pumping mechanism increases chemical resistance**
- Especially suitable for chemical products, including those that are highly corrosive, for the cleaning and degreasing of workpieces, workshops and vehicles such as machinery, engines, floors, rims etc.
- For applying oils and separating agents on machinery, workpieces, points and track components in mould making, for formworks etc.
- For disinfecting and cleaning floors, facades, sanitary facilities, pools etc.
- Integrated safety valve (2.5 bar) enables the container to depressurize before opening
- With Viton® gaskets
- Adjustable conical nozzle and flexible, break-proof pumping lever
- Permissible working pressure: max. 2.5 bar
- Flow rate: 0.5 l/min. at 2.5 bar using the white, adjustable conical nozzle
0.8 l/min. at 2.5 bar with the grey flat spray nozzle
- Net volume: 1 l
- Gross volume: 1.35 l
- **Application fields:**
 - Due to high chemical resistance suitable for **cleaning / degreasing** of vehicles, rims, motors, machinery, floors, workpieces etc.
 - For **applying oils and separating agents** on machinery, workpieces, points and track components, for mould making, formworks etc.
 - For **disinfecting and cleaning** floors, facades, sanitary facilities, pools etc.



HAZET No.	kg	EAN-No. 4000896+
199 N-1	0.46	189007

General Workshop Tools

2175 N Machinist's vice



HAZET No.	Clamping range round max.	EAN-No. 4000896+
• Machinist's vice • Drop forged • Gripping jaw width: 100 mm		
2175 N	125	013685
• Distance plate (wooden) for machinist's vice 2175 N • For fixing the vice on work benches or tool trolleys • <i>Assistant</i> 172 HD, 177, 180, 180 K-4 • Including assembly accessories		
2175 N-11	—	013692
• Distance plate (wooden) for machinist's vice 2175 N • For mounting on <i>Assistant</i> 173-1, 176-1, 178, 179 • Including fixing kit		
173-23	—	090228

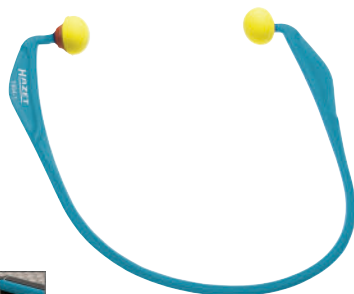


Safety at work

1984 Hearing protection band

- **Lightweight** – the lightest of its kind, only 8 g

- Ergonomically shaped
- Comfortable and firm fitting
- Ideal for continuous use
- Offset band prevents the ear plugs from getting soiled when taking it off
- Easy replacement of ear plugs (1984-01/10)



HAZET No.	EAN-No. 4000896+
1984-1	126743
• Replacement ear plugs for hearing protection band	
• 10-piece	
1984-01/10	126729

1984 Professional hearing protector

- **Excellent, high level of protection: SNR 36 H 38 M 34 L 26 dB**

- Foldable ear muff
- Light-weight: 220 g only
- High-quality steel head band and its two point suspension offer optimal protection and high comfort level
- Especially suited for long-term use
- Especially suitable for working in areas with high noise exposure
- Small ear cups assure a high level of attenuation
- Easy and continuous head band adjustment for a personalized fit



HAZET No.	EAN-No. 4000896+
1984-10	149407

1985 Safety glasses

- **Made in Germany**

- **For work and leisure activities**

- Extremely scratch resistant
- Optimal fit
- Protection for grinding, lathing and milling work etc.
- Sporty design
- Perfect adjustment to the head shape
- Durable anti-fog coating
- DIN EN 166-168, UV 400
- **Colourless polycarbonate lens UV 2-1.2**
- Individually adjustable temple length and inclination

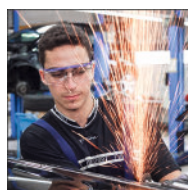


HAZET No.	EAN-No. 4000896+
1985-1	116003

- **Made in Germany**

- **For work and leisure activities**

- Extremely scratch resistant
- Optimal fit
- Protection for grinding, lathing and milling work etc.
- Sporty design
- Perfect adjustment to the head shape
- Durable anti-fog coating
- DIN EN 166-168, UV 400
- **Colourless polycarbonate lens UV 2C-1.2, supravision NC coating (outside optidur NC / inside optidur 4C Plus)**
- **Lightweight cover spectacles with an unrestricted lateral field of vision, also suitable for spectacle wearers**
- Due to the flat base curve, the eye is sufficiently covered
- Lens has an inclination of 11°, guaranteeing good downward visibility and offering the wearer excellent protection from tripping over
- Innovative temple concept with X-Stream-technology offers high level of wearing comfort
- Wave front optimized lenses allow orthoscopic and fatigue-proof sight. They offer a special plus of wearing comfort especially during long working times and in connection with corrective lenses.



HAZET No.	EAN-No. 4000896+
1985-5	155637



1987 Gloves

- With micro-foam coating
- Breathable coating
- Maximum flexibility and freedom of movement together with excellent mechanic protection
- Water repellent



HAZET
No.

EAN-No.
4000896+

1987-4

153336

1987-5 Mechanics gloves

- Extremely abrasion resistant due to perfect mix of synthetic leather (palms) and PVC, protectors on the outside surface
- Excellent elasticity and optimal fit, special Bignet® stretch fabric provides perfect grip and freedom of movement
- Breathable
- Non-skidding
- Washable
- Mix of artificial leather and PVC



HAZET
No.

EAN-No.
4000896+

• Size L

181735

1987-5 L

• Size XL

181759

1987-5 XL

• Size XXL

181766

1987-5 XXL



OFFICIAL SUPPLIER
PORSCHE
MOTORSPORT

For more than 20 years!







Specialty tools

	Engine	Engine Timing / Timing Belt Spark and Glow Plug Cylinder head Valves / Pistons Fuel System / Fuel Injection Cooling System / Hose Connection Diagnostics Exhaust System / Lambda Probe	357–377 378–383 384 385–386 386–389 389–392 393–395 396	
	Gearbox	Clutch / SAC clutch	397	
	Oil service		398–401	
	Brakes		402–407	
	Chassis	Spring Vices / Shock Absorbers Wheel Bearing / Wheel Hub Silent Block Cardan Shafts Wheels / Tyres / Tyre pressure control system	408–418 418–429 430–433 434–435 435–438	
	Electricity / Battery Service	Electrical Testing Battery Service Contacts / Plug connections / Cable unlocking tool Alternator / Radio removal	439 439–440 440–442 443–444	
	Body and Interior Equipment	Car Body Repair Car Glass / Wiper Arm Steering wheel	445–452 452–453 453	
	Commercial vehicle	Engine Oil service Brakes Chassis Electricity / Battery Service	454–455 456 456–457 458–464 464	



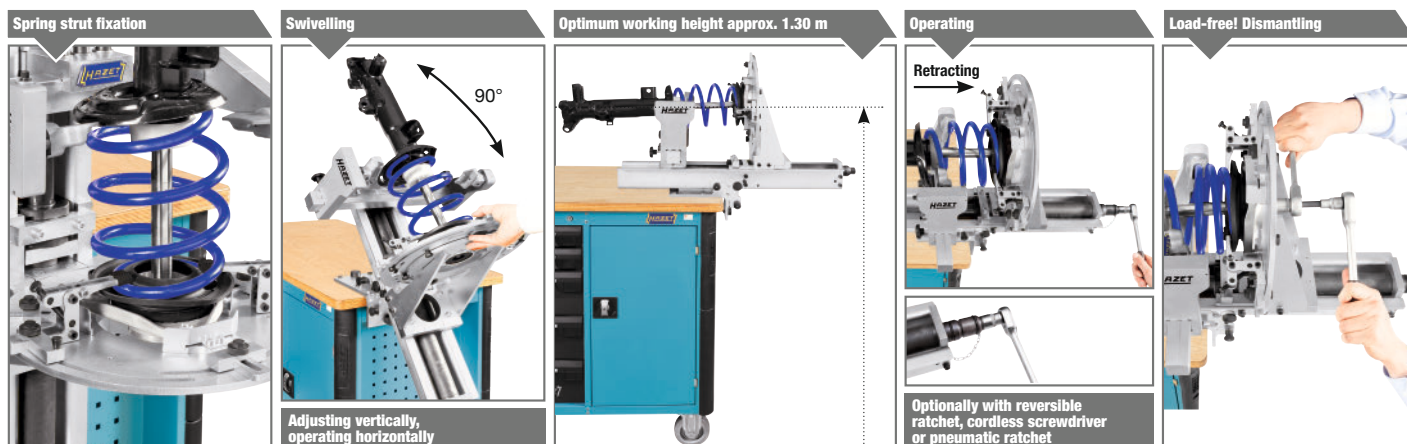
Universal spring vice 4903

... everything fits well. And your safety is guaranteed.

- Short familiarisation period due to easy handling
- Comfortable, safe and easy handling for just one user
- Definite workflow
- Top handling due to 90° swivelling
- Allows impact-free operation (e.g. cordless screwdriver or pneumatic ratchet)
- Suitable for almost all spring shapes and designs
- Even blank-ends and accessories generally do not limit the tool's functionality
- Suitable for almost all shapes of head plates (e.g. due to 180° swivelling clamping device)
- Tool offers mobile and stationary application suitable for any workshop task
- Safe fit of the spring and especially the load-free installation guarantee security
- In 90% of all cases, time saving of approximately 20 minutes per vehicle with damaged shock absorbers in comparison to current competitive products
- Time saving of approx. 10 minutes when completely removing the spring strut (McPherson)



4 steps to success

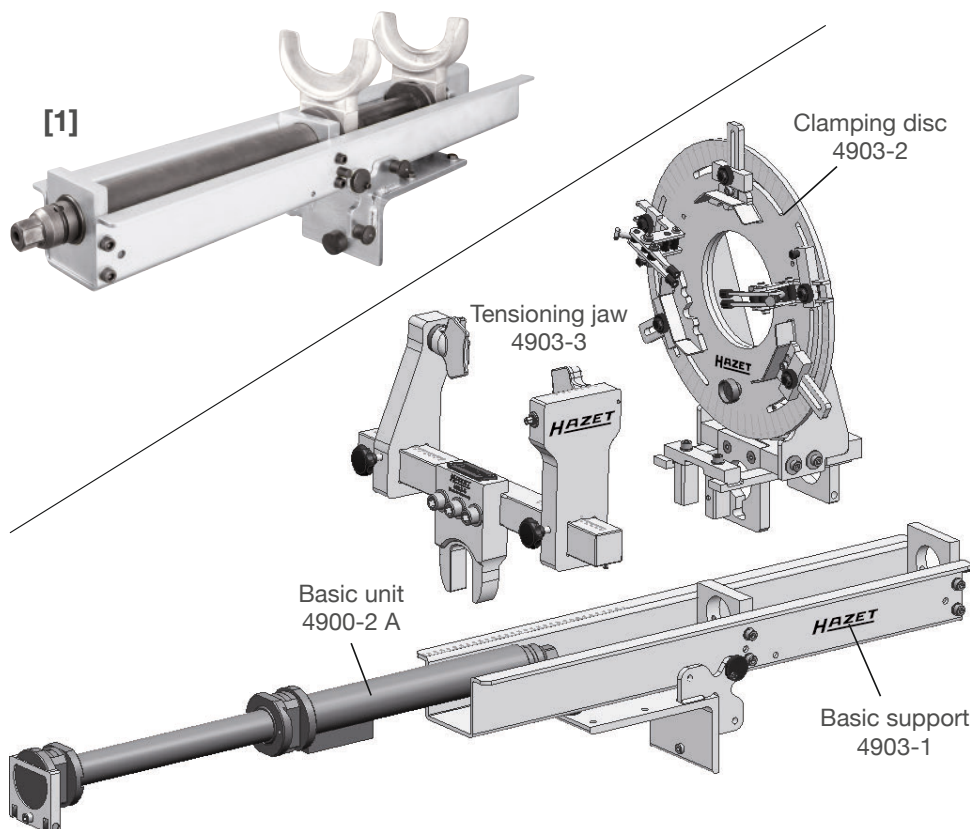




Time saving thanks to usage of the HAZET universal spring vice compared to standard applications

Necessary work steps when replacing shock absorbers	HAZET 4903/4	Time saving compared to competitors
Clamping	Less complicated operation	👍
Operating	Comparable or considerably faster with cordless screwdriver	👍
Releasing	Not necessary	👍
Removal	Comparable	✓
Operating	Not necessary	👍
Releasing	Comparable	✓
Strut removal	Comparable	✓
Clamping of second shock absorber	Significant savings: easier and less complicated	👍
Operating	Comparable or considerably faster with cordless screwdriver	👍
Releasing	Not necessary	👍
Removal	Comparable	✓
Operating	Not necessary	👍
Releasing	Comparable	✓
Strut removal	Comparable	✓

- Can be used for almost any strut / shock absorber
- New seating and assembly concept
- High safety
- Allows record keeping by scaling
- Secured investment through the use of existing SYSTEM components 4900 [1]



Patented

 **Made in Germany**

Components and spare parts from page 465 to 471



HAZET safety spring vice 4900

... everything fits well. And your safety is guaranteed.

- Suitable for approx. 200 vehicle types
- High loading capacity of 26,000 N
- Suitable for impact wrenches
- Closed system – maintenance-free
- Proven safety
- With socket rail for machinist's vice



Classification list

Suitable for approx. 200 vehicle types

Updated table on the internet

www.hazet.de



Tool finder



Safety spring vice database



Federspanner-Datenbank

Hersteller:

Suchen

Modell	Typ	Spannweite	Spannweite	Spannweite	Spannweite	Spannweite	Spannweite	Spannweite
Chrysler (S)	1980	4900-12	(2x)	4900-11				
Chrysler (S)	1985	4900-11	(2x)	4900-11				
Grand Cherokee (2.5, 3.0, 4.0)	1990	4900-11	(2x)	4900-11				
Nash (P)	1987	4900-12	(2x)	4900-11				
Stratus (LH)	1996	4900-12	(2x)	4900-11				
Voyager (DS)	1996	4900-12	(2x)	4900-11				
Voyager (TS)	1997	4900-11	(2x)	4900-11				

Technische Änderungen der Fahrzeughersteller vorbehalten.

– = keine Federspanner notwendig
 * = 2. D. keine Informationen vorhanden
 – = 8000 Schraubendrehen vor der Verwendung mit entgeg. Karbidbohrungen verwenden.
 (Bilder) Vorsicht: Federspanner nur mit Handwerkzeugen betreiben.



Products
see pages 408 to 411

Application charts
see pages 412 to 415

Components and spare parts from page 465 to 471



HAZET compact wheel hub bearing unit tool sets

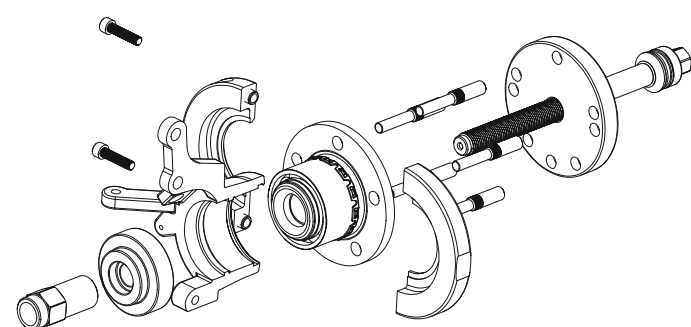
Diversity with system!

- For installing and removing the wheel hub / wheel bearings of built-in parts on vehicles of **VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA), FORD, MAZDA, Volvo**
- Provides security and effectiveness
- Suitable for all common wheel hub and wheel bearing dimensions
- Usable with threaded spindle 4930-1 and spindle nut 4930-2
- Affordable starter set for $\varnothing 72$ mm wheel bearings
- Perfect supplementary sets for $\varnothing 62$ mm and $\varnothing 66$ mm
- Special set for $\varnothing 78$ and $\varnothing 85$ mm units completes the programme



Basic Working Equipment:

e.g. from the sets 4930-1/16 and 4930-1/22



Suggestion on how to put a set together

from professionals for professionals:

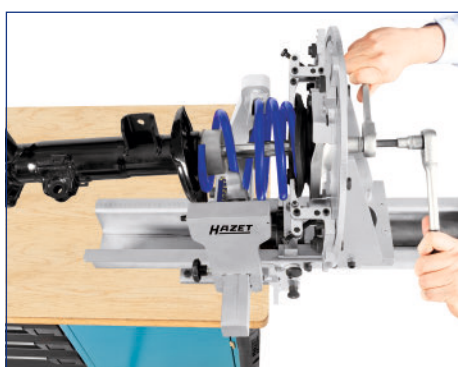
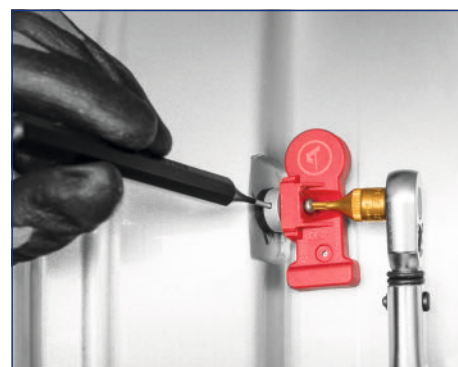
- | | | |
|---------------|---------------------------------|------------------------|
| 4934-2572/12 | – Starter set | ($\varnothing 72$ mm) |
| + 4934-2562/6 | – Supplementary set | ($\varnothing 62$ mm) |
| + 4934-6605/3 | – Thrust rings for installation | ($\varnothing 66$ mm) |

= Perfect equipment

Single parts available –
please contact your
HAZET partner!



HAZET specialty tools – The specialist for specialists



Good ideas –
cleverly implemented
by HAZET



Engine

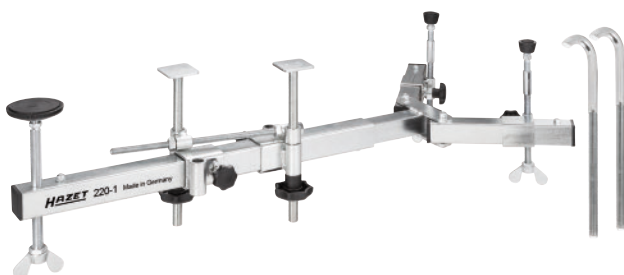
Engine Timing / Timing Belt

220 Universal engine support

Made in Germany

• For transverse engines

- Application: Supports engine during maintenance work on thrust bearings, timing belts, water pumps or tensioner rollers
- Suitable for nearly all vehicle types
- After loosening the engine mount, the engine support safely holds the vehicle engine in the engine compartment (time savings and higher safety at work)
- Installation of the engine support underneath the motor vehicle allows optimal access during repair work (engine is supported from below), ensuring optimal working conditions in the engine compartment from above. This allows for optimal work in the engine compartment (from above).
- The most important advantage compared to work with engine lifting beam or engine crane (both are mounted above the engine and may obstruct repair works) is that the engine compartment is freely accessible
- Note for use of engine lifting beams:
 - The fenders of newer vehicles often slope or are made of plastic material. This means that, unlike with the HAZET universal engine support, classic engine lifting beams are often unsuitable and not mountable without damage
- Rubber covered feet with ball bearings allow flexible adjustment of the engine support
- Variable length: 620 – 900 mm
- Incl. 2 mounting supports
- Fully galvanised for optimal surface protection
- Manual operation through T-handles or wing screws
- Maximum loading capacity: 250 kg



HAZET
No.

220-1

EAN-No.
4000896+

191758



1789 N Pulley extractor

Made in Germany

• Application: For removing **passenger car, SUV and transport vehicle pulleys**

Extractor for pulleys **with thread holes**, operation with:

- 1 crossbar, short, for pulleys 43 – 120 mm Ø

- 1 crossbar, long, for pulleys 95 – 210 mm Ø

- 3 exchangeable pressure pieces, serving as spindle extension

Extractor for pulleys **without thread holes** (hook grip behind pulley), application with:

- 1 crossbar, short, for pulleys 23 - 100 mm Ø

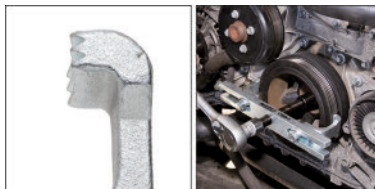
- 1 crossbar, long, for pulleys 85 – 195 mm Ø

- Puller hooks for a span depth up to 68 mm or extension up to 88 mm

Extractor with **2 groove hooks** (fit into the grooves of the pulley, if gripping behind is not possible), application with:

- 1 crossbar, short, for pulleys 80 - 140 mm Ø

- 1 crossbar, long, for pulleys 135 - 235 mm Ø



HAZET
No.

1789 N-1

EAN-No.
4000896+

158621

2536 Assembly tool set

Made in Germany

• For professional installation of shaft seal rings

• Application: e.g. at crankshaft or camshaft of most **VW/AUDI** engines

• Plastic box

• Soft foam insert



HAZET
No.

2536-1/15



15

EAN-No.
4000896+

180622



2540 Timing belt pulley-counterholder

- Application: For removing and installing timing belt pulleys on the camshaft, crankshaft and injection pump
- **Counterholder with replaceable pins**
- On **VW** Lupo, Polo, New Beetle, Golf, Caddy, Bora, Touran, Sharan, Transporter
- **AUDI** A2, A3, A4, A6, TT
- **ŠKODA** Fabia, Octavia, Superb
- Distance between pins: 100 mm and 46 mm
- Opening width 33 mm
- Handle with dip-coating
- Surface: chrome-plated



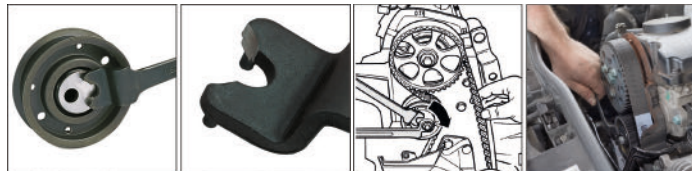
HAZET No.	l mm	EAN-No. 4000896+
2540-1	722	110407

2587 Timing belt double-pin wrench

Made in Germany

- For professional engine repair

- Application: For adjusting the **timing belt** at the tensioner roller
- **AUDI** A3 1.9 TDi model years 1998→2003, A4 1.6 model years 1995→2006, 1.6 l Diesel
- **SEAT** Toledo 1.6, 1.8, 2.0, 1.8 16V, 2.0 16V
- **VW** Golf 1.9 SDi, TDi model years 1997→2005, Golf, Jetta, Passat 1.6 l Diesel, Passat 1.6 model years 1996→2005, Passat 2.0 model years 2001→2005, Polo 1.9 SDi, TDi model years 1999→2006
- Offset design
- Distance of pins 18 mm, pin Ø 2.9 mm



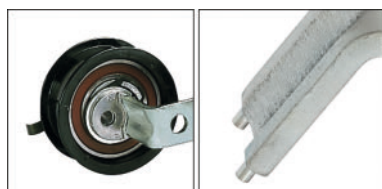
HAZET No.	l mm	EAN-No. 4000896+
2587	140	017140

2587 Timing belt double-pin wrench

Made in Germany

- For professional engine repair

- Application: For adjusting the timing belt at the tensioner roller
- **AUDI** A2 1.2 TDi model years 2001→2006, A3 1.9 TDi model years 2001→2006, A4 1.9 TDi model years 2001→2006, A4 2.0 and 2.0 FSi model years 2001→2006, A4 4-cyl. model years 1995→, A6 2.0 model years 2001→2005
- **SEAT** Alhambra 1.9 TDi model years 1999→2006, Ibiza 1.9 TDi model years 2002→2006, León 1.9 TDi model years 1999→2006
- **VW** Golf 1.9 TDi, Golf Plus 2.0 l (4-cyl.) model year 2005→, Lupo 3-cyl diesel model year 1999→, Passat 2.0 16V model years 2002→2005, Passat TDi model year 1998→, Polo 1.4 TDi model years 1999→2006, Polo 1.9 TDi model years 2002→2006, Polo 3-cyl. diesel, 4-cyl. pump-nozzle injection, Sharan 1.9 TDi model years 1996→2005
- **ŠKODA** Octavia 1.9 TDi model years 2000→2005
- Distance of pins 18 mm, pin Ø 3 mm
- Surface: matt chrome-plated



2587 Timing belt double-pin wrench

HAZET No.	l mm	EAN-No. 4000896+
2587-1	250	053476

2587 Timing belt double-pin wrench

- For professional engine repair

- Application: For adjusting the timing belt at the tensioner roller
- **VW** Golf 3, 4, Golf 5 model year 2005→ 1.9 TDi, 2.0 TDi, petrol engine
- Beetle 2.0 l petrol engine model year 2003→, Transporter T5 4-cyl. diesel model year 2004→
- **AUDI** A3, **ŠKODA** Octavia
- Distance of pins 18 mm, pin Ø 3 mm
- Bent jaws (15°)
- Surface: matt chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
2587-2	258	072439



Product applications

Engine timing tools

hazet.de → The Tool Finder

→ Engine timing tools

◀ For Smartphones with QR reader (app)

2588 Engine timing tool AUDI, VW, SEAT, ŠKODA

- For professional engine repair

- Application: For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

Petrol engines:

1.4 1.6 1.8 1.8 T 2.0 16V

AUDI 80, A2, A3, S3, A4, A6, TT

SEAT Arosa, Ibiza, Córdoba, León, Toledo, Inca, Alhambra (1997 up to 2006)

ŠKODA Fabia, Octavia (since 1996)

VW Lupo, Polo, Caddy, Golf, Bora, New Beetle, Passat, Sharan, Touran

Diesel engines:

pump injector engines 1.2 1.4 1.9 2.0 TDi

AUDI 80, A2, A3, A4, A6, Cabriolet (1995 up to 2000)

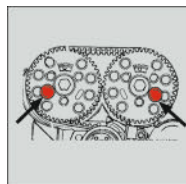
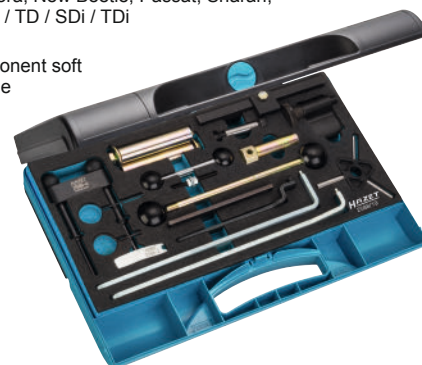
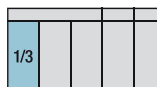
SEAT Ibiza, Córdoba, León, Toledo, Inca, Arosa, Alhambra, Altea

ŠKODA Felicia, Octavia (1993 up to 2005), Fabia

VW Lupo, Polo, Caddy, Golf, Bora, New Beetle, Passat, Sharan, Touran, Transporter, 1.7 1.9 D / TD / SDi / TDi

- SmartCase (1/3) 165-L

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



YouTube Clip



Specialty tools

Engine – Engine Timing / Timing Belt



2588 Engine timing tool AUDI, VW, SEAT, ŠKODA



HAZET No.	l mm	L x W x H mm		EAN-No. 4000896+
2588/19	–	355x235x65	19	127771
2588-4	–	–	–	110391
2587	140	–	–	017140
2587-1	250	–	–	053476
2587-2	258	–	–	072439
• Crankshaft fixing device • For locking the crankshaft • For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine 2588-1 – – – 087730 • Locking plate • For locking the tensioner roller 2588-2 – – – 087747 • Locking pin • For locking the camshaft sprocket • For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine 2588-3 – – – 087754 • Camshaft setting plate 2588-5 – – – 137107 2588-6 – – – 137114 • Locking pin 2588-7 – – – 136896 • Locking pin for tensioning tool 2588-8 – – – 137121 • Setting tool 2588-9 – – – 137565 • Locking pin 2588-10 – – – 136902 • Retainer 2588-11 – – – 137572 • Support guides 2588-12 – – – 137589 2588-13 – – – 137596				

• For professional engine repair



- Expansion for assortment 2588/19
- **Petrol engines:** 1.2 6V and 12V 3-cylinder engine, **VW** Polo and Fox, **ŠKODA** Fabia, **SEAT** Ibiza, Cordoba
- **1.4–1.6 FSI engines:** **AUDI** A3, **ŠKODA** Octavia, **VW** Polo, Golf, Touran, Tiguan, EOS, Passat
- **Diesel engines: VW and VW group vehicles** 4-cylinder engines with pump-nozzle injection technology model years 2005→
- Soft foam insert



HAZET No.		EAN-No. 4000896+
2588/9	9	144181
• Fixing bolt		
2588-14	–	144198
2588-15	–	144204
2588-16	–	144211
• Tension pulley screw		
2588-17	–	144228
• Fixing tool for tension pulley		
2588-18	–	144334
• Fixing tool		
2588-19	–	144341
• For 4-cyl. diesel / pump injector engines 2005→ and VW 2.0 l Common Rail diesel engine • Crankshaft fixing device • For locking the oval crankshaft timing belt pulley e.g. when replacing the timing belt or repairing the engine 2588-110 – – 143283		

2588 Engine timing tool AUDI, VW, SEAT, ŠKODA



HAZET No.		EAN-No. 4000896+
• TDC position tool – application with dial gauge 2155-65		
3688-10	–	137527

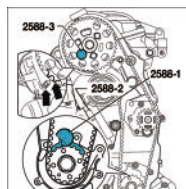
2588 Tool set for timing belt replacement

- The use of this tool set ensures that all locked components maintain the required position when changing timing belt or when carrying out engine maintenance work



- Application: For timing belt replacement, e.g. on **VW** pump injector engines
- **AUDI** A2, A4, A3, A6, **VW** Passat, Golf, Bora, Beetle, Sharan, Lupo and Touran, **SEAT** Alhambra, Arosa, Altea, Toledo, León, **ŠKODA** Octavia, Fabia, Superb, Roomster, **FORD** Galaxy

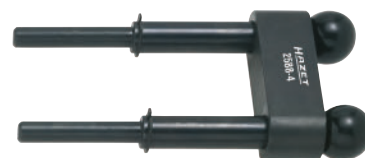
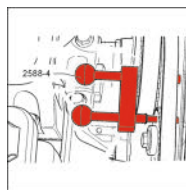
Contents:
crankshaft fixing device 2588-1
locking plate 2588-2
locking pin 2588-3



HAZET No.		EAN-No. 4000896+
2588/3	3	087761
• Crankshaft fixing device		
• For locking the crankshaft		
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine		
2588-1	–	087730
• Locking plate		
• For locking the tensioner roller		
2588-2	–	087747
• Locking pin		
• For locking the camshaft sprocket		
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine		
2588-3	–	087754

2588 Camshaft locking tool

- Application: For locking the camshaft sprockets when replacing the timing belt
- Engine repair on 4-valve 4-cylinder injection engine
AUDI A2 model years 2000→2006, **SEAT** Arosa, Ibiza, Leon, Toledo, Cordoba 1.6 16 V model years 2000→2005, Leon 1.4 16V model years 1999→2006
ŠKODA Fabia and Octavia 1.4 16V model years 1999→2006
VW Bora 1.4 and 1.6 model year 1999→, Caddy 1.4 and 1.6 model years 1998→2006, Caddy model year 1996→, Golf 1.4 and 1.6 model year 1998→, Golf, Bora 1.4 16V model years 1999→2005, Golf, Bora 1.6 16V model years 1999→2005, Lupo model year 1999→, Lupo, Polo 1.4 16V model years 2000→2005, Lupo, Polo 1.6 16V model years 2000→2005, New Beetle 1.4 model year 1999→, Polo model year 1995→, Polo Classic, Variant model year 1996→



HAZET No.		EAN-No. 4000896+
2588-4		110391



2588 Engine timing tool AUDI, VW, SEAT, ŠKODA

- Application: For checking and adjustment of engine timing
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

VW 1.2 TFSi petrol engines

AUDI A1, A3

SEAT Altea/XL, Ibiza, Leon

ŠKODA Fabia II, Octavia II, Roomster, Yeti

VW Caddy, Golf, Golf Plus, Jetta, Polo, Touran

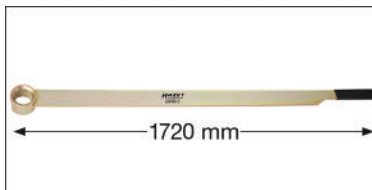
Engine code:

CBZA, CBZB, CBZC

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



2588 Engine timing tool AUDI, VW, SEAT, ŠKODA



HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents: 2540-3 (720 mm long) 2588-5 7 28 32			
2588-2/5	172x114	5	180332

- Application: For checking and adjustment of engine timing
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

VW 2.5 TDI pump injector diesel engine, Touareg (2003→2008), Transporter (2003→2008) Multivan (2004-2008)

Engine code: AXD, AXE, BAC, BLJ, BLK, BNZ, BPC, BPD, BPE

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



2588 Engine timing tool VW / SEAT / ŠKODA

- Application: For checking and adjustment of engine timing
- Suitable for 1.0 l 3-cyl. petrol engines **VW** up, **SEAT** Mii model year 2011→, **ŠKODA** Citigo
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/3				
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HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents: 2588-29 30 31 32 33 34			
2588/10	342x172	10	180349

- Application: Checking and adjustment of engine timing, timing belt replacement, timing chain
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

VW 2.0 FSi and TFSi petrol engines

AUDI A3 (2003→2010), A4 (2002→2010), A6 (2005→2010), TT (2006→2010)

SEAT Leon (2005→2010), Toledo (2004→2009), Altea/XL (2005→2009), Exeo (2009→2010)

ŠKODA Octavia II (2004→2009)

VW Golf (2004→2010), Golf Plus (2005→2009), Jetta (2005→2009), Eos (2006→2010), Touran (2003→2009), Passat (2005→2010)

Engine code:

FSi: AWA, AXW, BHD, BLR, BLX, BLY, BMB, BVX, BVY, BVZ

TFSi: AXX, BGB, BHZ, BPG, BPJ, BPY, BUL, BWA, BWE, BWJ, BWT, BYD, BYK, BZC, CDLA, CDLB, CDLC, CDLD, CDMA

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



2588 Engine timing tool AUDI, VW, SEAT, ŠKODA

- For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

VW Transporter T4, LT, Crafter (2006→)

Engine types:

2.4D: AAB, AJA

2.5SDi: AGX

2.5TDi: ACV, AHD, AHY, AJT, ANJ, APA, AUF, AXG, AXL, AYC, BBE, BBF

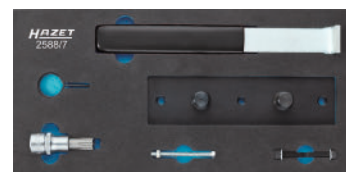
2.5 TDi: Common Rail: BJJ, BJK, BJL, BJM

• May be stored in case 2588/19

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/3				
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HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents: 2579-9 K 2588-8 23 26 27			
2588/7	342x172	7	180363



Specialty tools

Engine – Engine Timing / Timing Belt



2988 Engine timing tool BMW

• For professional engine repair



- Application: Installation / removal and adjustment of the variable valve timing of camshaft unit VANOS
- Checking and adjustment of camshaft timing / replacing the timing belt / timing chain

- Detailed operating instructions including cross references to original part / tool numbers

For **BMW** petrol engines: M40, M43

with twin camshafts: M42, M44, M50, M52, M54, M56

E36: 316i model years 1993 → 1999

E46: 316i model years 1999 → 2004 /
316i Compact model years 1994 → 2001 (M43)

E36: 318i model years 1993 → 1999 (M43)

E46: 318i model years 1998 → 2004 (M43)

E30: 318iS-16V, model years 1989 → 1991 (M42)

E36: 318iS / Coupe model years 1992 → 1998 /

318ti Compact model years 1994 → 1998 (M42)

318iS / Coupe model years 1996 → 1999 /

318ti Compact model years 1996 → 2001 (M44)

320i model years 1991 → 1997

320i model years 1991 → 1999 - Single Vanos (M52)

E36/E46: 320i model years 1998 → 2006 - Twin Vanos

323i Compact model years 1995 → 2001 - Single Vanos

E46: 323i model years 1998 → 2001 - Twin Vanos (M52)

E36: 325i model years 1991 → 1997 /

325i model years 1991 → 1997 - Single Vanos

E46: 325i Compact model years 2000 → 2006 - Twin Vanos

E38: 328i model years 1995 → 1999 - Single Vanos

E46: 328i model years 1998 → 2001 - Twin Vanos

330i model years 2000 → 2006 - Twin Vanos

E34: 518i model years 1994 → 1996 (M43)

520i model years 1989 → 1996

E43: 520i model years 1989 → 1996 - Single Vanos

E39: 520i model years 1995 → 1999 - Single Vanos

520i model years 1998 → 2003 - Twin Vanos

E60/6: model years 2003 → 2005 - Twin Vanos

E39: 523i model years 1995 → 1999 - Single Vanos

523i model years 1998 → 2001 - Twin Vanos

E34: 525i model years 1989 → 1996

525i model years 1989 → 1996 - Single Vanos

E39: 525i model years 2000 → 2003 - Twin Vanos

E60/E61: 525i model years 2003 → 2005 - Twin Vanos

E39: 528i model years 1996 → 2000 - Single Vanos

528i model years 1998 → 2001 - Twin Vanos (M52)

530i model years 2000 → 2003 - Twin Vanos

E60/61: 530i model years 2003 → 2005 - Twin Vanos

E38: 728i model years 1995 → 1998 - Single Vanos

728i model years 1998 → 2002 - Twin Vanos

E65/E66: 730i model years 2002 → 2005 - Twin Vanos

E83: X3-2.5 I model years 2003 → 2006 - Twin Vanos

X3-3.0 I model years 2003 → 2006 - Twin Vanos

E53: X5-3.0 I model years 1999 → 2005 - Twin Vanos (M54)

Z3-1.8i model years 1996 → 1999

1.9i model years 1999 → 2003 (M43/M44)

2.0i model years 1999 → 2003 - Twin Vanos (M52)

2.2i model years 2000 → 2003 - Twin Vanos (M52)

2.8i model years 1997 → 1999 - Single Vanos

2.8i model years 2000 → 2003 - Twin Vanos

3.0i model years 2000 → 2003 - Twin Vanos (M54)

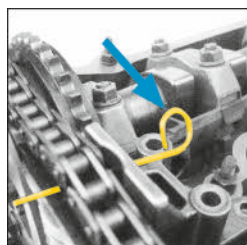
E85: Z4-2.2 I model years 2003 → 2006 - Twin Vanos

2.5 I model years 2003 → 2006 - Twin Vanos

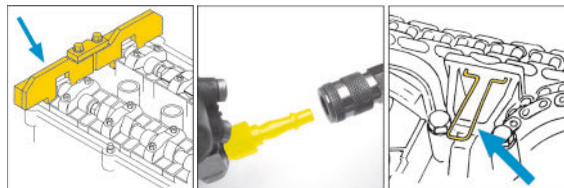
3.0 I model years 2003 → 2006 - Twin Vanos

- Plastic box

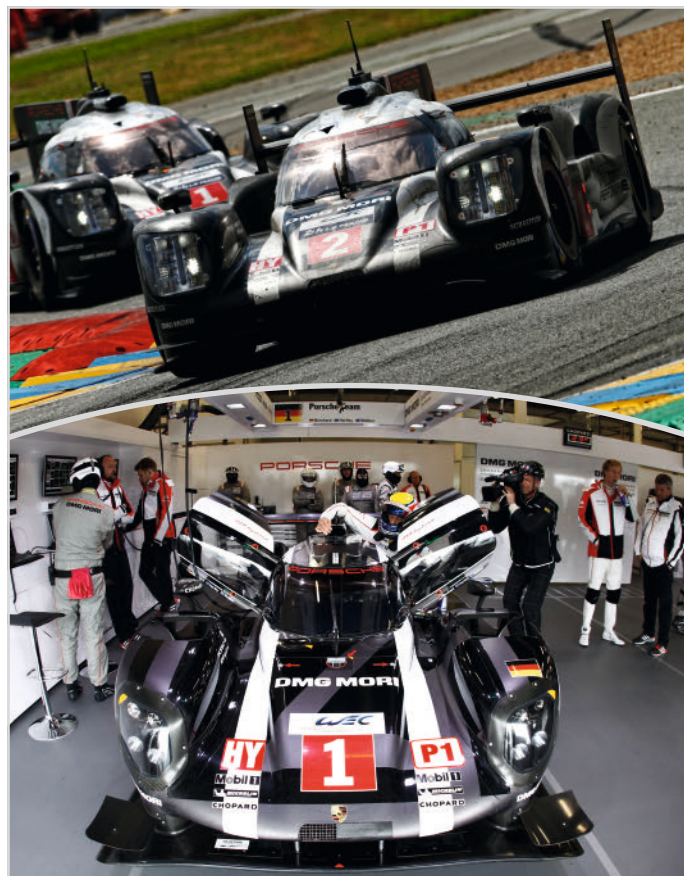
- Soft foam insert



2988 Engine timing tool BMW



HAZET No.		EAN-No. 4000896+
2988/11	11	148721
• Crankshaft locking tool		
2988-5	–	149698
• Locking pin		
2988-10	–	149872
• Chain tensioner locking pin		
2988-11	–	149889
• Camshaft setting plate		
2988-12	–	149896
• Compressed air connection		
2988-13	–	149902
• Mounting plate, adjustable		
2988-14	–	149919
• Camshaft setting plate		
2988-15	–	149926
• Chain tensioner		
2988-16	–	149933
• Timing chain tool holder		
2988-17	–	149940
• Camshaft setting plate		
2988-18	–	149957
2988-20		
2988-20	–	149971





2988 Engine timing tool BMW

• For professional engine repair



- Application: Installation and removal of the camshaft / variable valve timing of camshaft unit VANOS
- Checking and adjusting camshaft timing
- Detailed operating instructions including cross references to original part / tool numbers

For **BMW** diesel engines M41, M51, M47 – M47 TU / T2, M57 / TU / T2:2.0l / 3.0l model year 1998→2008

- Installation and removal of the camshaft / hydraulic chain tensioner
- For checking and adjustment of camshaft timing

BMW:

E36: 318tds / 318tds Compact model year 1994→2000 / 325td / tds model years 1991→1999

E34/E39: 525td / tds model years 1991→2003

E38: 725tds model years 1991→2003 M47 / M47 TU / T2 / M57 TU/T2

E87: 118d / 120d

E46: 318d / 318td Compact /

320td Compact / 320d / 330d

E39: 520d / 525d / 530d

E60/E61: 525d / 530d / 535d

E63: 635d

E38/E65/E66: 730d

E83: X3, 2.0l d / 3.0l d

E53/E70: X5, 3.0l d

ROVER

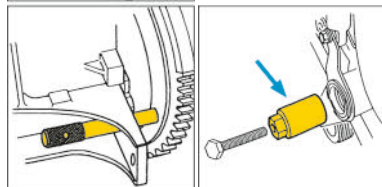
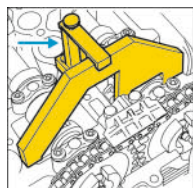
Range Rover: 2.5 DT model years 1994 →2002

Range Rover: 3.0 TD6 model years 2002 →2006

Freelander: 2.0 TD4 model years 2002 →2006

- Plastic box

- Soft foam insert



HAZET No.		EAN-No. 4000896+
2988/13	13	148714
• Camshaft setting plate		
2988-1	–	149650
• Locking pin		
2988-2	–	149667
• Injection pump remover, short		
2988-3	–	149674
• Timing chain retainer		
2988-4	–	149681
• Crankshaft locking tool		
2988-5	–	149698
• Camshaft setting plate		
2988-6	–	149704
• Injection pump remover, long		
2988-7	–	149711
• Camshaft plate locking tool		
2988-8	–	149728
• Timing chain lever		
2988-9	–	149834
• Locking pin, bent		
2988-37	–	149841
2988-38	–	149858
• Support sleeve		
2988-39	–	149865

2988 Engine timing tool BMW

• For professional engine repair



- Application: Installation and removal of the camshaft / variable camshaft timing unit VANOS
- Checking and adjustment of camshaft timing VALVETRONIC
- Detailed operating instructions including cross references to original part / tool numbers

For **BMW** petrol engines N42, N46

- Plastic box

- Soft foam insert



HAZET No.		EAN-No. 4000896+
2988/18	18	149742
• Carrier bracket mounting fixture		
2988-28	–	150052
• Stud bolt, long		
2988-29	–	150069
• Stud bolt, short		
2988-30	–	150076
• Inlet camshaft securing tool		
2988-31	–	150083
• Knurled screw		
2988-32	–	150090
• Intermediate lever clamp		
2988-33	–	150106
• Bolt and nut		
2988-34	–	150113
• Torsion spring tool holder		
2988-35	–	150120
• Eccentric shaft holder		
2988-36	–	150137

- Application: Installation / removal / fixing of the camshaft / variable camshaft timing unit VANOS
- Checking and adjustment of engine timing
- Detailed operating instructions including cross references to original part / tool numbers

For **BMW** petrol engines N42, N46, N46T

- Plastic box

- Soft foam insert



HAZET No.		EAN-No. 4000896+
2988/7	7	149735
• Camshaft setting tool		
2988-21	–	149988
• Timing chain tensioner pre-load tool		
2988-22	–	149995
• Sensor wheel locking tool		
2988-23	–	150007
• Camshaft setting plate		
2988-24	–	150014
• Camshaft setting plate		
2988-25	–	150021
• Fixing screw		
2988-26	–	150038
• Locking pin, bent		
2988-27	–	150045



Specialty tools

Engine – Engine Timing / Timing Belt



3088 OPEL / VAUXHALL engine timing tool

- Application: For timing belt replacement, timing chain adjustment and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers

Eco Tec petrol engines:

1.0 12V 1.2 16V (since 1997) and

twin camshaft engines

1.4 1.6 1.8 2.0 2.2 16V (since 1995)

VAUXHALL Agila, Astra, Corsa, Tigra, Vectra, Zafira,

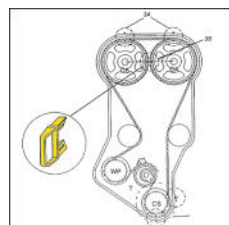
Omega, Frontera, Sintra, Signum, Meriva

Eco Tec diesel engines: 1.3 CDTi 16V 1.9 CDTi 2.0 2.2 DTi

VAUXHALL Agila, Astra, Corsa, Vectra, Tigra, Combo-C, Zafira, Omega, Frontera, Sintra, Signum

• Plastic box

• Soft foam insert



HAZET No.		EAN-No. 4000896+
3088/19	19	127788
• Camshaft setting tool		
3088-1	–	137138
• Crankshaft locking tool		
3088-2	–	136704
• Injection pump locking pin		
3088-3	–	136711
• Cam sprocket attachment		
3088-4	–	137602
3088-5	–	137077
• Camshaft setting tool (price per piece – to be used in pairs)		
3088-6	–	137145
• Flywheel (crankshaft) locking pin		
3088-7	–	136728
• Chain Tensioner Retaining Pin		
3088-8	–	136735
• Camshaft setting tool		
3088-9	–	137213
• Auxiliary belt tensioner locking pin		
3088-10	–	136759
• Crankshaft locking tool		
3088-11	–	136742
• Camshaft setting plate		
3088-12	–	137091
• Crankshaft locking pin		
3088-13	–	137473
• Camshaft setting tool		
3088-14	–	137183
• Camshaft setting tool (yellow)		
3088-15	–	137190
• Camshaft setting tool (blue)		
3088-16	–	137206
• Flywheel holding tool		
3088-17	–	137480

3088 OPEL / VAUXHALL engine timing tool

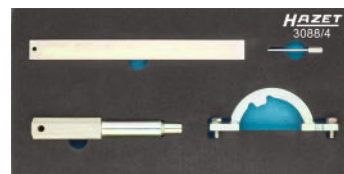
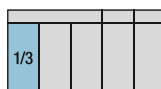
- For timing belt changing and other engine repairs
- **Supplementary set**
- For **OPEL** 1.6 and 1.8-16V "TWINPORT" petrol engines: Corsa D, Astra G, H, Vectra C, Signum, Meriva, Zafira B
- 2.2-16 V petrol engines: Astra G, H, Vectra C, Signum, Speedster/Vauxhall VX220, Zafira A, B
- Camshaft locking when replacing the timing belt
- Camshaft timing / engine timing / timing chain tensioner
- Crankshaft positioning
- Soft foam insert



HAZET No.		EAN-No. 4000896+
3088/7	7	155941
• Flywheel holding tool		
3088-18	–	155958
• Camshaft sprocket locking tool		
3088-19	–	155965
• Camshaft setting plate		
3088-20	–	155972
• Locking pin for chain tensioner		
3088-21	–	155989
• Camshaft setting tool		
3088-22	–	155996
• Chain tensioner locking pin		
3088-23	–	156009

3088 Engine timing tool VAUXHALL

- Application: For checking and adjustment of engine timing
- **Petrol engines with timing chain:** 1.0–1.2–1.4 l
- **VAUXHALL** Agila 2000→2008 engine code: 1.0 12V – 1.2 16V – 1.4 16V
- Astra G 1998→2006 engine code: X10XE, X12XE, Z14XEL
- Astra H 2004→2010 engine code: Z10XE, Z12XE, Z14XEP
- Combo-C 2004→2007 engine code: Z10XEP, Z12XEP
- Corsa B 1997→2000
- Corsa C 2000→2007
- Corsa D 2006→2010
- Meriva 2004→2010
- Tigra B 2004→2010
- **SUZUKI:** WagonR + 2005→2008
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

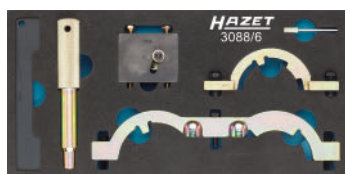
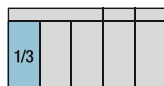


HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents:			
3088-8 3088-12 3088-13 3088-14			
3088/4	342x172	4	186563



3088 Engine timing tool VAUXHALL

- Application: For checking and adjustment of engine timing
- **Petrol engines with timing chain:** 1.0 1.2 1.4 I Turbo 2010→
- **VAUXHALL:** Astra- J, Adam, Agila-B, Cascada, Combo, Corsa D, Meriva B, Mokka, Zafira Tourer
- **Chevrolet:** Cruze, Aveo
- **Engine code:** A10XEP, A12XEL, A12XER, A14XEL, A14XER(LDD), A14NEL(LUH), A14NET(LUJ), LDU
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents:			
3088-8	3088-13	3088-24	3088-25
3088-6	342x172	6	186587

3488 Engine timing tool FORD

- Application: For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers



Petrol engines:

Twin camshaft engines (Zetec / Duratec)

1.25 1.4 1.6 1.7 1.8 2.0 16V

FORD Fiesta, Escort, Focus, Focus C-Max, Puma, Fusion, Mondeo, Cougar (1998 up to 2001)

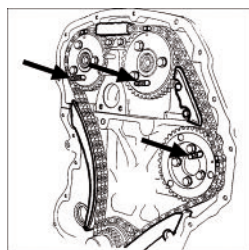
Diesel engines:

1.8 D / TD / TDCi / TDdi: 2.0 / 2.4 TDdi 1.4 / 1.6 TDci

FORD Fiesta, Escort, Orion, Courier, Focus, Focus C-Max, Mondeo (1988 up to 2003), Fusion, Transit

• SmartCase (1/3) 165-L

• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



HAZET No.	L x W x H mm		EAN-No. 4000896+
3488/17	355x235x65	17	127795

3488 Engine timing tool FORD



HAZET No.	L x W x H mm		EAN-No. 4000896+
• Camshaft setting plate			
3488-1	–	–	137084
• Locking pin			
3488-2	–	–	136797
3488-3	–	–	136803
• Crankshaft TDC location pin			
3488-4	–	–	137497
• Flywheel locking tool			
3488-5	–	–	137060
• Locking pin			
3488-6	–	–	136810
3488-7	–	–	136827
• Camshaft and injection pump locking pins			
3488-8	–	–	136834
• Chain tensioner locking pin			
3488-9	–	–	136841
• Crankshaft location pin			
3488-10	–	–	136773
3488-11	–	–	136780
• Injection pump and crankshaft locking pin			
3788-21	–	–	136858
• Flywheel locking tool			
3788-22	–	–	136865
• Camshaft Locking Pin			
3788-23	–	–	136766

- For timing belt changing and other engine repairs
- **Supplementary set**
- For **FORD** 1.25–1.4 and 1.6–16V petrol engines: Fiesta, Fusion, Focus, C-Max
- 1.6 Ti-VCT-petrol engines: Focus, C-Max
- 1.4–1.6 TDCi-Diesel: Fiesta, Fusion, Focus, C-Max
- 2.0 TDCi-diesel: Focus, Mondeo, C-Max, S-Max, Galaxy
- Camshaft locking when replacing the timing belt
- Camshaft timing / engine timing / timing chain tensioner
- Soft foam insert



HAZET No.		EAN-No. 4000896+
3488/8	8	155873
• Locking pin for tensioning tool		
2588-8	–	137121
• Flywheel locking pin, bent		
3488-12	–	155897
• Camshaft setting plate		
3488-13	–	155880
• Camshaft sprocket holding tool		
3488-14	–	155903
• Crankshaft locking tool		
3488-15	–	155910
• Adapter		
3488-16	–	155927
3488-17	–	155934
• Locking pin		
3488-19	–	166213
• Injection pump and crankshaft locking pin		
3788-21	–	136858



Specialty tools

Engine – Engine Timing / Timing Belt



3488 Engine timing tool FORD-Duratorq

- For professional engine repair



- Application: For checking and adjustment of engine timing
- For diesel engines: 2.0 2.2 2.4 3.2 l
- FORD Mondeo 2000→2007, Transit 2000→
- FIAT Ducato 2006→
- CITROËN Relay, Jumper 3
- PEUGEOT Boxer 3 2006→
- JAGUAR X-type 2001→
- LAND ROVER Defender 2007→, LDV Convoy 2002→2006
- 2.0 l engine code ABFA, D3FA, D5BA, D6BA, F3FA, F1FA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB
- 2.2 l engine code BG, QJBA, QJBB, QJBC, QJBD / 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA
- 2.4 l engine code 244DT, D0FA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HEFA, HFFA, JXFA, PHFA, ZSD424
- 3.2 l engine code SAFA
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

1/3				
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HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents: 3488-6 7 8 (3x) 9 20 21 22 23			
3488/10	342x172	10	186945

3488 Engine timing tool FORD / MAZDA / Volvo

- Application: Checking and adjustment of motor timing / timing belt replacement / timing chain
- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available



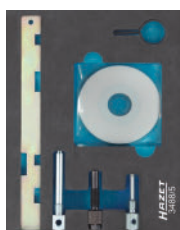
FORD, Fiesta (1995→2009), Fusion (2002→2009), Puma (1997→2002), Focus (1998→2009), Focus C-Max (2003→2007), C-Max (2007→2009), Mondeo (1993→2009), Cougar (1998→2001), S-Max (2006→2009), Galaxy (2006→2009), Tourneo Connect (2002→2006), Transit Connect (2002→2006), Transit (2006→2009)

MAZDA, 121 (1995→2000), 2 (2002→2007), 3 (2003→2009), 5 (2005→2009), 6 (2002→2009), MX-5 (2005→2009), MPV (2002→2005), Tribute (2001→2004)

Volvo, S40/V50 (2004→2009), C30 (2006→2009)

Engine types:

- 1.25 16V (timing belt) DHA, DHB, DHC, DHD, DHE, DHF, DHG, F8JA, F8JB, FUJA, FUJB, M7JA, M7JB, SNJA, STJA
- 1.4 16V (timing belt) ASDA, ASDB, FHA, FHD, FHE, FHF, FXDA/C, FXDB/D, FXJA, FXJB, SPJA
- 1.6 16V (timing belt) FYDA/C, FYDB/D, FYJA, FXJB, L1F, L1J, L1L, L1N, L1Q, L1V, L1T, L1W, HWD, HWD
- 1.7 16V (timing belt) MHA, MBB
- 1.8 16V (timing belt) EYBD, EYDC, EYDD, EYDE, EYDF, EYDG, EYDI, EYDJ, EYPA, EYPC, RKA, RKB, RKF, RKH, RKJ, RKK
- 1.8 16V (timing chain) CDBB, CGBA/B, CHBA/B, CSDA, CSDB, QQDA, QQDB, QQDC
- 2.0 16V (timing belt) EDBA/C, EDBB, EDBD, EDDB, EDDC, EDD, EDDF, NGA, BGB, NGC, NGD
- 2.0 RS/Sa70 (timing belt) ALDA, HMDA
- 2.0 16V (timing chain) AOA, AODA, AODB, AOWA, CJBA/B, N4JB
- 2.3 16V (timing chain) SEBA, SEWA, GZFA, GZFB
- 1.25 16V DHA, FUJA, FUJB
- 1.4 16V FXJA, FXJB
- 1.6 16V FYJA
- 1.8 16V L8
- 2.0 16V LF, YF
- 2.3 16V L3
- 1.6 16V B4164S3 (timing belt)
- 1.8 16V B4184S11 (timing chain)
- 2.0 16V B4204S3 (timing chain)
- 2-component soft foam insert



3488 Engine timing tool FORD / MAZDA / Volvo



HAZET No.		EAN-No. 4000896+
3488/5	5	180318

3688 Engine timing tool FIAT

- Application: For checking and adjustment of engine timing
- Detailed operating instructions including cross references to original part / tool numbers



Petrol engines: Twin camshaft engines 1.2–1.4–1.6–1.8 16V

FIAT Brava/Bravo, Barchetta, Cargo, Coupé, Marea, Palio/Weekend, Punto, Multipla, Stilo, Idea, Doblo, Marea/Weekend

Diesel engines: JTD-Diesel engines 1.9 D/TD – 1.9 JTD – 2.4 TD/JTD Brava/Bravo, Cargo, Marea/Weekend, Palio/Weekend, Punto, Multipla, Stilo, Doblo, Ulysee, Ducato, Scudo

- Plastic box
- Soft foam insert



HAZET No.		EAN-No. 4000896+
3688/20	20	167265
• Offset screwdriver	–	011322
• Crankshaft locking tool	–	136742
• Piston position tools	–	137343
• Camshaft setting tool	–	137220
• Double-pin wrench	–	137329
• Tensioner adjuster	–	137336
• Flywheel holding tool	–	137053
• Camshaft setting plate (exhaust)	–	166152
• Camshaft setting plate (inlet)	–	166169
• TDC position tool – application with dial gauge 2155-65	–	137527
• Flywheel holding tool	–	137367
• Tensioner adjuster	–	137374
• Camshaft setting plate	–	137237
• Crankshaft/Flywheel TDC locking pin	–	136643
• Locking pin/bolt	–	136513
• Camshaft and injection pump locking bolt/pin	–	136544
• Holding tool for crank shaft pulley removal	–	137015



3788 Engine timing tool CITROËN/PEUGEOT

- Application: Timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers



Petrol engines:

1.0 1.1 1.4 1.6 1.8 1.9 2.0 Turbo
as well as twin camshaft engines

1.6 1.8 2.0 2.2 16V

CITROËN AX, BX, ZX, XM, Saxo, Xsara, Xantia, Synergie / Evasion, Berlingo, Dispatch / Jumpy, C 15, Relay / Jumper, Synergie, C 5 (2000 up to 2002), C 8

PEUGEOT 106, 205, 206, 306, 307, 309, 405, 406, 407, 605, 806, 807, Expert, Partner, Boxer (since 1986), 406 Coupé, 607

Diesel engines:

1.4 1.5 1.7 1.8 1.9 2.1 2.5 D / TD / TDi
and HDI diesel engines

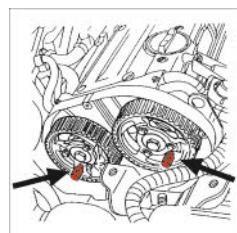
1.4 1.6 2.0 2.2

CITROËN AX, ZX, XM, Visa, Xsara, Xantia, Dispatch, Synergie / Evasion, Berlingo, Dispatch, Jumpy, C 2, C 3, C 5, Relay / Jumper

PEUGEOT 106, 205, 206, 305, 306, 307, 309, 405, 406 Coupé, 605, 607, 806, 807, Express, Expert, Partner, Boxer (since 1986)

• Plastic box

• Soft foam insert



HAZET No.		EAN-No. 4000896+
3788/37	37	127740
• Crankshaft/Flywheel TDC locking pin		
3788-1	–	136643
3788-2	–	136650
3788-3	–	136667
• Injection pump locking pin		
3788-4	–	136506
• Locking pin/bolt		
3788-5	–	136513
• Injection pump locking bolt/pin		
3788-6	–	136520
• Camshaft locking bolt/pin		
3788-7	–	136537
• Camshaft and injection pump locking bolt/pin		
3788-8	–	136544
• Tensioner setting pin		
3788-9	–	136551
• Special wrench for tensioner roller		
3788-10	–	136964
3788-11	–	136971
• Holding tool for crank shaft pulley removal		
3788-12	–	137015
• Flywheel locking tool for the removal of the crank shaft pulley		
3788-13	–	137022

3788 Engine timing tool CITROËN/PEUGEOT



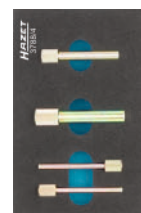
HAZET No.		EAN-No. 4000896+
• Holding tool for crank shaft pulley removal		
3788-14	–	137039
• Crankshaft pulley remover		
3788-15	–	137152
• Flywheel TDC locking pin		
3788-16	–	137008
• Locking bolt		
3788-17	–	137169
• Tensioner adjuster		
3788-18	–	136988
3788-19	–	136995
• Timing Belt Retaining Clip		
3788-20	–	137176
• Injection pump and crankshaft locking pin		
3788-21	–	136858
• Flywheel locking tool		
3788-22	–	136865
• Camshaft Locking Pin		
3788-23	–	136766
• Crankshaft/Flywheel TDC locking pin		
3788-24	–	136957
• Locking pin		
3788-25	–	136919
3788-26	–	136926
3788-27	–	136933
3788-28	–	136940
• Camshaft Locking Pin		
3788-29	–	136568
3788-30	–	136674
• Crankshaft locking tool		
3788-31	–	136681
• Flywheel holding tool		
3788-32	–	137046
• Camshaft Locking Pin		
3788-33	–	136698

3788 Engine timing tool CITROËN / PEUGEOT / FORD / FIAT / MAZDA / Volvo

- Application: For checking and adjustment of engine timing
- For diesel engines: 1.4 HDi: DV4, 1.6 HDi: DV6, 1.4 TDCi, 1.6 TDCi
- **CITROËN** C1, C2, C3/ Pluriel, C4, Picasso, C5/ II/III, Xsara, Xsara Picasso, Berlingo
- **PEUGEOT** 107, 1007, 206/CC, 207, 307/CC, 308
- **FIAT** Scudo
- **FORD** Fiesta, Fusion, Focus, Focus C-Max, C-Max
- **MAZDA** 2.3
- **Volvo** S40, V50, C30
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



1/9				
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HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents:			
3788-21 (2x) 22 23			
3788/4	172x114	4	186570



Specialty tools

Engine – Engine Timing / Timing Belt



3788 Engine timing tool CITROËN / PEUGEOT / MINI

- For professional engine repair



- Detailed operating instructions including cross references to original part / tool numbers
- Single parts optionally available

CITROËN

C4 (2008→), C4 Picasso (2008→)

PEUGEOT

207 (2006→), 207CC (2007→), 308 (2007→)

MINI

MINI One R56 (2007→), Cooper R55/R56 (2006→), Cooper S R55/R56 (2006→)

Engine types:

1.4VTi (Valvetronic) EP3(8FS)

1.6VTi (Valvetronic) EP6(5FW)

1.6DHP (Direct Injection) EP6DT (5FX) EP6DTS (5FY)

N12 1.4 / 1.6 (Valvetronic)

N14 1.6 (Direct Injection)

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/3				
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HAZET No.	W x D mm		EAN-No. 4000896+
• Engine timing tool set, contents: 2988-22 3788-35 36 37 38			
3788/9	342x172	9	180356

3788 Engine timing tool

- For timing belt changing and other engine repairs
- For the flywheel fixation on **PEUGEOT** 206, 307, 406 with engine code EW10JR



HAZET No.	EAN-No. 4000896+
3788-32 A	184439

3888 Engine timing tool RENAULT

- Application: For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part / tool numbers



Petrol engines:

twin camshaft engines

1.2 1.4 1.6 1.8 2.0 16V 2.5 20V

RENAULT Clio, Twingo, R 19, Mégane, Scenic, Laguna, Safrane, Espace, Express / Extra, Rapid, Kangoo

Diesel engines:

1.9 D / TD / d Ti 2.2 D / TD 2.5 D 2.8 d Ti

1.5 d Ci 1.9 d Ci 2.2 d Ci 2.5 d Ci

RENAULT Clio, Express / Extra, Mégane, Scenic, Laguna, Espace, Safrane, Kangoo, Trafic, Master, Vel Satis, R 5, R 19, Rapid

VAUXHALL Vivano, Movano

2.5CDTi, engine code G9U

- Plastic box

- Soft foam insert



HAZET No.		EAN-No. 4000896+
3888/19	19	127733
• Crankshaft TDC locking pin		
3888-1	–	136575
3888-2	–	136582

3888 Engine timing tool RENAULT

HAZET No.		EAN-No. 4000896+
• Locking pin		
3888-3	–	136599
3888-4	–	136605
• Adjuster		
3888-5	–	137251
• Double-pin wrench		
3888-6	–	137268
• Crankshaft locking tool		
3888-8	–	136612
• Camshaft setting plate (exhaust)		
3888-9	–	137275
• Camshaft setting plate (inlet)		
3888-10	–	137282
• Tensioning tool		
3888-11	–	137299
• Camshaft setting plate		
3888-12	–	137305
• Crankshaft locking tool		
3888-13	–	136629
• Camshaft setting plate		
3888-14	–	137312
• Locking pin		
3888-15	–	136636
• Arm		
3888-71	–	137503
• Adapter		
3888-72	–	137442
• Spacer		
3888-73	–	137510
• Adapter		
3888-74	–	137459
3888-75	–	137466

- For timing belt changing and other engine repairs



Supplementary set

- For **RENAULT** 1.4 and 1.6-16V petrol engines: Clio 3, Mégane 2, Scenic 2, Laguna 2, Modus, Kangoo 1.8 and 2.0-16V petrol engines: Clio 2, Mégane 1 / 2, Scenic 1 / 2, Laguna 1 / 2, Espace JEO/JKO, Trafic 2 1.9 dCi Diesel: Mégane 2, Laguna 2, Espace / Grand Espace 2

- Camshaft locking when replacing the timing belt

- Camshaft timing / engine timing

- Crankshaft positioning

- Soft foam insert



HAZET No.		EAN-No. 4000896+
3888/8	8	155699
• Camshaft plate bracket		
3888-16	–	155705
• Camshaft sprocket holding tool		
3888-17	–	155712
• 6-point threaded nut		
3888-18	–	155729
• Gear arm		
3888-19	–	155835
• Timing belt pulley wrench		
3888-20	–	155842
• Camshaft sprocket holding tool		
3888-21	–	155859
• Adapter		
3888-76	–	155866

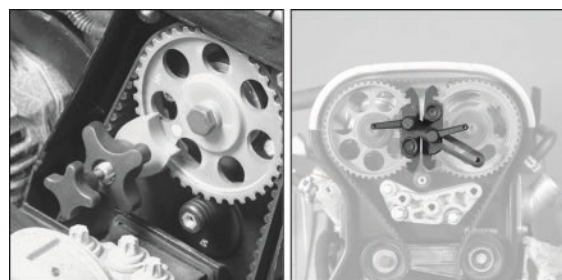


4794 Universal engine timing tool set

• Application: Timing belt replacement/engine repair

E.g. for timing belt changing

- Suitable for single and twin camshaft petrol and diesel engines
- For locking the injection pump sprocket and retaining the camshaft timing
- The use of this locking tool ensures that the camshaft sprockets / injection pump sprockets are locked in their correct positions and crankshaft timing is retained during timing belt replacement or other engine repair
- Detailed operating instructions
- Single parts optionally available
- Plastic box
- Soft foam insert



HAZET No.		EAN-No. 4000896+
4794/5	5	127764
• Locking device		
4794-1	–	137534
• Extension bridge piece		
4794-2	–	137541

- Application: For locking the crankshaft and camshaft when replacing the timing belt for petrol and diesel engines on **VW, AUDI, SEAT, ŠKODA, FORD, VAUXHALL, CITROËN, PEUGEOT, RENAULT**
- For timing belt changing and other engine repairs
- Plastic box
- Soft foam insert



4794 Universal engine timing tool set



HAZET No.	l mm		EAN-No. 4000896+
4794/35	–	35	160594
2588-4	–	–	110391
2587-1	250	–	053476
• Crankshaft fixing device			
• For locking the crankshaft			
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine			
2588-1	–	–	087730
• Locking plate			
• For locking the tensioner roller			
2588-2	–	–	087747
• Locking pin			
• For locking the camshaft sprocket			
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine			
2588-3	–	–	087754
• Camshaft setting plate			
2588-5	–	–	137107
2588-6	–	–	137114
• For 4-cyl. diesel / pump injector engines 2005→ and VW 2.0 l Common Rail diesel engine			
• Crankshaft fixing device			
• For locking the oval crankshaft timing belt pulley e.g. when replacing the timing belt or repairing the engine			
2588-110	–	–	143283
• Camshaft setting tool (yellow)			
3088-15	–	–	137190
• Camshaft setting tool (blue)			
3088-16	–	–	137206
• Camshaft sprocket locking tool			
3088-19	–	–	155965
• Camshaft setting plate			
3488-1	–	–	137084
• Crankshaft TDC location pin			
3488-4	–	–	137497
• Crankshaft location pin			
3488-10	–	–	136773
3488-11	–	–	136780
• Crankshaft/Flywheel TDC locking pin			
3788-1	–	–	136643
3788-3	–	–	136667
• Injection pump locking pin			
3788-4	–	–	136506
• Locking pin/bolt			
3788-5	–	–	136513
• Camshaft locking bolt/pin			
3788-7	–	–	136537
• Tensioner setting pin			
3788-9	–	–	136551
• Special wrench for tensioner roller			
3788-10	–	–	136964
• Crankshaft/Flywheel TDC locking pin			
3788-24	–	–	136957
• Locking pin			
3788-28	–	–	136940
• Crankshaft TDC locking pin			
3888-1	–	–	136575
• Camshaft setting plate (exhaust)			
3888-9	–	–	137275
• Camshaft setting plate (inlet)			
3888-10	–	–	137282
• Camshaft setting plate			
3888-12	–	–	137305
• Locking device			
4794-1	–	–	137534



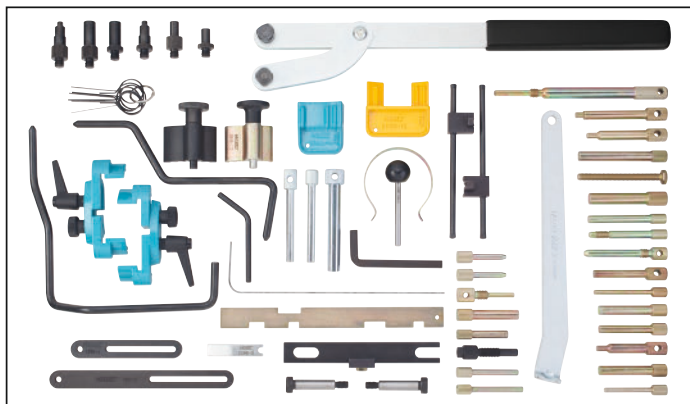
Specialty tools

Engine – Engine Timing / Timing Belt



4794 Universal engine timing tool set

- For timing belt changing and other engine repairs
- For the professional engine repair on e.g.: **VW/AUDI, ŠKODA, OPEL, ALFA/FIAT, MAZDA, FORD, Volvo, PEUGEOT, CITROËN, TOYOTA, MITSUBISHI, HONDA, NISSAN** etc.



HAZET No.	l mm		EAN-No. 4000896+
4794/48	–	48	166176
• Counterholder			
2540-2	–	–	166190
2587	140	–	017140
• Crankshaft fixing device			
• For locking the crankshaft			
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine			
2588-1	–	–	087730
• Locking plate			
• For locking the tensioner roller			
2588-2	–	–	087747
• Locking pin			
• For locking the camshaft sprocket			
• For e.g. VW 1.6 l and 2.0 l Common Rail diesel engine			
2588-3	–	–	087754
• Camshaft setting plate			
2588-6	–	–	137114
• For 4-cyl. diesel / pump injector engines 2005→ and VW 2.0 l Common Rail diesel engine			
• Crankshaft fixing device			
• For locking the oval crankshaft timing belt pulley e.g. when replacing the timing belt or repairing the engine			
2588-110	–	–	143283
• Camshaft setting tool (yellow)			
3088-15	–	–	137190
• Camshaft setting tool (blue)			
3088-16	–	–	137206
• Locking pin			
3488-2	–	–	136797
3488-3	–	–	136803
• Crankshaft TDC location pin			
3488-4	–	–	137497
• Crankshaft location pin			
3488-10	–	–	136773
3488-11	–	–	136780
• Camshaft setting plate			
3488-13	–	–	155880
• Crankshaft locking tool			
3488-15	–	–	155910
• Locking pin			
3488-18	–	–	166206
3488-19	–	–	166213
• Crankshaft/Flywheel TDC locking pin			
3788-1	–	–	136643
3788-2	–	–	136650
3788-3	–	–	136667
• Injection pump locking pin			
3788-4	–	–	136506

HAZET No.	l mm		EAN-No. 4000896+
• Locking pin/bolt			
3788-5	–	–	136513
• Injection pump locking bolt/pin			
3788-6	–	–	136520
• Camshaft locking bolt/pin			
3788-7	–	–	136537
• Tensioner setting pin			
3788-9	–	–	136551
• Special wrench for tensioner roller			
3788-11	–	–	136971
• Locking bolt			
3788-17	–	–	137169
• Tensioner adjuster			
3788-18	–	–	136988
3788-19	–	–	136995
• Timing Belt Retaining Clip			
3788-20	–	–	137176
• Injection pump and crankshaft locking pin			
3788-21	–	–	136858
• Flywheel locking tool			
3788-22	–	–	136865
• Camshaft Locking Pin			
3788-23	–	–	136766
• Crankshaft/Flywheel TDC locking pin			
3788-24	–	–	136957
• Locking pin			
3788-25	–	–	136919
3788-27	–	–	136933
3788-28	–	–	136940
• Camshaft Locking Pin			
3788-29	–	–	136568
3788-30	–	–	136674
• Crankshaft locking tool			
3788-31	–	–	136681
• Camshaft Locking Pin			
3788-33	–	–	136698
• Locking pin			
3788-34	–	–	166220
3788-35	–	–	166237
3788-36	–	–	166244
• Locking pin set			
4788-1/6	–	6	166183
• Locking device			
4794-1	–	–	137534
• Extension bridge piece			
4794-2	–	–	137541



Find engine timing tools
using the engine code

Engine code	Fuel	HAZET No.
ALFA ROMEO		
162,01	Petrol	3690/6
321,02	Petrol	3690/6
321,03	Petrol	3690/6
321,04	Petrol	3690/6
322,01	Petrol	3690/6
322,05	Petrol	3690/6
323,01	Petrol	3690/6
323,1	Petrol	3690/6
335,03	Petrol	3690/6
341,03	Petrol	3690/6
363,01	Petrol	3690/6
372,03	Petrol	3690/6
671,06	Petrol	3690/6
672,04	Petrol	3690/6
676,01	Petrol	3690/6
932A2.000	Petrol	3690/6
937A1.000	Petrol	3690/6
BMW		
M42	Petrol	2988/11
M44	Petrol	2988/11
M47	Diesel	2988/13
M47T2	Diesel	2988/13
M47TU	Diesel	2988/13
M50	Petrol	2988/11
M52	Petrol	2988/11
M54	Petrol	2988/11
M56	Petrol	2988/11
M57	Diesel	2988/13
M57T2	Diesel	2988/13
M57TU	Diesel	2988/13
N42	Petrol	2988/18 + 2988/7
N46	Petrol	2988/18 + 2988/7
N46T	Petrol	2988/18 + 2988/7
CITROËN		
DJ5(T9A)	Diesel	3788/37
DJ5T(T8A-THZ)	Diesel	3788/37
DJ5TED(THX)	Diesel	3788/37
DKATE(THY)	Diesel	3788/37
DV4C	Diesel	3788/16
DV4TD	Diesel	3788/37 + 3788/16 + 3788/4
DV4TED	Diesel	3788/16
DV4TED4	Diesel	3788/16 + 3788/4
DV6ATED4	Diesel	3788/16 + 3788/4
DV6BTED4	Diesel	3788/16
DV6BUTED4	Diesel	3788/16
DV6C	Diesel	3788/16
DV6DTED	Diesel	3788/16
DV6ETED	Diesel	3788/16

Engine code	Fuel	HAZET No.
CITROËN		
DV6TED4	Diesel	3788/37 + 3788/16 + 3788/4
DV6UC	Diesel	3788/16
DV6UTED4	Diesel	3788/16
DW10ATED	Diesel	3788/37 + 3788/16
DW10ATED/L3	Diesel	3788/16
DW10ATED4	Diesel	3788/37 + 3788/16
DW10ATED4/L4	Diesel	3788/16
DW10BTED	Diesel	3788/37 + 3788/16
DW10BTED/L3	Diesel	3788/16
DW10BTED4	Diesel	3788/16
DW10C	Diesel	3788/16
DW10CE	Diesel	3788/16
DW10CTED4	Diesel	3788/16
DW10DTED4	Diesel	3788/16
DW10JATED4	Diesel	3788/16
DW10TD	Diesel	3788/37 + 3788/16
DW10UTD	Diesel	3788/37 + 3788/16
DW10UTED4	Diesel	3788/16
DW12ATED	Diesel	3788/37 + 3788/16
DW12BTED4	Diesel	3788/16
DW12CTED4	Diesel	3788/16
DW12MTED4	Diesel	3788/16
DW12TED4	Diesel	3788/16
DW12TED4/L4	Diesel	3788/16
DW12UTED	Diesel	3788/37 + 3788/16
DW8(WJZ)	Diesel	3788/37
DW8B(DJW)	Diesel	3788/37
EP3	Petrol	3788/9
EP3C	Petrol	3788/9
EP6	Petrol	3788/9
EP6C	Petrol	3788/9
EP6CDT	Petrol	3788/9
EP6CDTM	Petrol	3788/9
EP6DT	Petrol	3788/9
EP6DTE	Petrol	3788/9
EP6DTS	Petrol	3788/9
EW10J4	Petrol	3788/37
EW10J4D	Petrol	3788/37
EW12J4	Petrol	3788/37
EW7J4	Petrol	3788/37
EW7JP4	Petrol	3788/37
TU1	Petrol	3788/37
TU3	Petrol	3788/37
TU5	Petrol	3788/37
TU5J4/L3	Petrol	3788/37
TU5JP	Petrol	3788/37
TU9	Petrol	3788/37
TUD3(K9A)	Diesel	3788/37

Engine code	Fuel	HAZET No.
CITROËN		
TUD5(VJY/VJZ/VJX)	Diesel	3788/37
WJY(DW8B)	Diesel	3788/37
WJZ(DW8)	Diesel	3788/37
XU10J2	Petrol	3788/37
XU10J4	Petrol	3788/37
XU5	Petrol	3788/37
XU7	Petrol	3788/37
XU7JP4	Petrol	3788/37
XU9	Petrol	3788/37
XUD11A	Diesel	3788/37
XUD11ATE	Diesel	3788/37
XUD11BTE (P8A/P8B/P9A/PHZ)	Diesel	3788/37
XUD7(A9A)	Diesel	3788/37
XUD7TE	Diesel	3788/37
XUD9A/U(D9B/C)	Diesel	3788/37
XUD9AU(D9B)	Diesel	3788/37
XUD9AY(DJY)	Diesel	3788/37
XUD9BTF(DHX)	Diesel	3788/37
XUD9TE	Diesel	3788/37
XUD9TF(D8C)	Diesel	3788/37
XUD9TFL(D8B)	Diesel	3788/37
XUD9TFY(DHX)	Diesel	3788/37
FIAT		
176B9.000	Petrol	3688/20
178B3.000	Petrol	3688/20
182A2.000	Petrol	3688/20
182A4.000	Petrol	3688/20
182A6.000	Petrol	3688/20
182A7.000	Diesel	3688/20
182A8.000	Diesel	3688/20
182B2.000	Petrol	3688/20
182B4.000	Diesel	3688/20
182B6.000	Petrol	3688/20
182B9.000	Diesel	3688/20
183A1.000	Petrol	3688/20
183A6.000	Petrol	3688/20
185A2.000	Diesel	3688/20
185A6.000	Diesel	3688/20
186A6.000	Diesel	3688/20
188A2.000	Diesel	3688/20
188A3.000	Diesel	3688/20
188A5.000	Petrol	3688/20
188A6.000	Petrol	3688/20
188A7.000	Diesel	3688/20
188B2.000	Diesel	3688/20
192A1.000	Diesel	3688/20
192A3.000	Diesel	3688/20
192A4.000	Petrol	3688/20



Specialty tools

Engine – Engine Timing / Timing Belt



Engine code	Fuel	HAZET No.
FIAT		
223A6.000	Diesel	3688/20
843A1.000	Petrol	3688/20
D8B	Diesel	3688/20
D9B	Diesel	3688/20
DHX	Diesel	3688/20
FORD		
244DT	Diesel	3488/10
4HM	Diesel	3488/10
4HU	Diesel	3488/10
4HV	Diesel	3488/10
4YDJ	Petrol	3488/17
ABFA	Diesel	3488/10 + 3488/17
ALDA	Petrol	3488/5 + 3488/17
AOBA	Petrol	3488/5
AOBC	Petrol	3488/5
AODA	Petrol	3488/5 + 3488/17
AODB	Petrol	3488/5 + 3488/17
AODE	Petrol	3488/5 + 3488/17
AOWA	Petrol	3488/5
AOWB	Petrol	3488/5
ASDA	Petrol	3488/5
ASDB	Petrol	3488/5
AZBA	Diesel	3488/8
AZBC	Diesel	3488/8
AZWA	Diesel	3488/8
AZWC	Diesel	3488/8
BHDA/B	Diesel	3488/17
BHPA	Diesel	3488/17
C9DA/B	Diesel	3488/17
C9DC	Diesel	3488/17
CDBB	Petrol	3488/5 + 3488/17
CFBA	Petrol	3488/17
CGBA/B	Petrol	3488/5 + 3488/17
CHBA/B	Petrol	3488/5 + 3488/17
CJBA/B	Petrol	3488/5 + 3488/17
CSDA	Petrol	3488/5 + 3488/17
CSDB	Petrol	3488/5 + 3488/17
D0FA	Diesel	3488/10 + 3488/17
D2FA	Diesel	3488/10 + 3488/17
D2FB	Diesel	3488/10
D3FA	Diesel	3488/10 + 3488/17
D4FA	Diesel	3488/10 + 3488/17
D5BA	Diesel	3488/10 + 3488/17
D6BA	Diesel	3488/10 + 3488/17
DHA	Petrol	3488/5 + 3488/17
DHB	Petrol	3488/5 + 3488/17
DHC	Petrol	3488/5 + 3488/17
DHD	Petrol	3488/5 + 3488/17
DHE	Petrol	3488/5 + 3488/17
DHF	Petrol	3488/5 + 3488/17
DHG	Petrol	3488/5 + 3488/17
EDBA/C	Petrol	3488/5 + 3488/17
EDBB	Petrol	3488/5 + 3488/17
EDBD	Petrol	3488/5 + 3488/17

Engine code	Fuel	HAZET No.
FORD		
EDDB	Petrol	3488/5 + 3488/17
EDDC	Petrol	3488/17
EDDD	Petrol	3488/17
EDDF	Petrol	3488/5 + 3488/17
EYDB	Petrol	3488/5 + 3488/17
EYDC	Petrol	3488/5 + 3488/17
EYDD	Petrol	3488/5
EYDD/E	Petrol	3488/17
EYDE	Petrol	3488/5
EYDF	Petrol	3488/5 + 3488/17
EYDG	Petrol	3488/5 + 3488/17
EYDI	Petrol	3488/5 + 3488/17
EYDJ	Petrol	3488/5
EYPA	Petrol	3488/5 + 3488/17
EYPC	Petrol	3488/5 + 3488/17
F1FA	Diesel	3488/17
F3FA	Diesel	3488/10 + 3488/17
F4FA	Diesel	3488/10 + 3488/17
F6JA	Diesel	3488/8 + 3488/17
F6JB	Diesel	3488/8 + 3488/17
F6JC	Diesel	3488/8 + 3488/17
F6JD	Diesel	3488/8 + 3488/17
F8JA	Petrol	3488/5 + 3488/17 + 3488/8
F8JB	Petrol	3488/5 + 3488/17 + 3488/8
F9DA/B	Diesel	3488/17
FFBA	Diesel	3488/17
FFDA	Diesel	3488/17
FHA	Petrol	3488/5 + 3488/17
FHD	Petrol	3488/5 + 3488/17
FHE	Petrol	3488/5 + 3488/17
FHF	Petrol	3488/5 + 3488/17
FIFA	Diesel	3488/10
FMBA	Diesel	3488/10 + 3488/17
FMBB	Diesel	3488/10
FUJA	Petrol	3488/5 + 3488/17 + 3488/8
FUJB	Petrol	3488/5 + 3488/17 + 3488/8
FXDA	Petrol	3488/8
FXDA/C	Petrol	3488/5 + 3488/17
FXDB	Petrol	3488/8
FXDB/D	Petrol	3488/5 + 3488/17
FXDC	Petrol	3488/8
FXFA	Diesel	3488/10
FXJA	Petrol	3488/5 + 3488/17 + 3488/8
FXJB	Petrol	3488/5 + 3488/17 + 3488/8
FXJC	Petrol	3488/5 + 3488/17 + 3488/8
FYDA	Petrol	3488/8
FYDA/C	Petrol	3488/5

Engine code	Fuel	HAZET No.
FORD		
FYDB	Petrol	3488/8
FYDB/D	Petrol	3488/5
FYDC	Petrol	3488/8
FYJA	Petrol	3488/5 + 3488/17
FYJB	Petrol	3488/5 + 3488/17
FYJC	Petrol	3488/5 + 3488/17
G6DA	Diesel	3488/8
G6DB	Diesel	3488/8
G6DC	Diesel	3488/8
G6DD	Diesel	3488/8
G6DE	Diesel	3488/8
G6DF	Diesel	3488/8
G6DG	Diesel	3488/8
G8DA	Diesel	3488/8 + 3488/17
G8DB	Diesel	3488/8 + 3488/17
G8DC	Diesel	3488/8 + 3488/17
G8DD	Diesel	3488/8 + 3488/17
G8DE	Diesel	3488/8 + 3488/17
G8DF	Diesel	3488/8 + 3488/17
GPDA	Diesel	3488/8
GPDB	Diesel	3488/8
GPDC	Diesel	3488/8
GZFA	Petrol	3488/5
GZFB	Petrol	3488/5
GZFC	Petrol	3488/5
H9FA	Diesel	3488/10
H9FB	Diesel	3488/10
HCPA	Diesel	3488/17
HCPB	Diesel	3488/17
HEFA	Diesel	3488/10
HFFA	Diesel	3488/10
HHDA	Diesel	3488/8
HHDB	Diesel	3488/8
HHJA	Diesel	3488/8
HHJB	Diesel	3488/8
HHJC	Diesel	3488/8
HHJD	Diesel	3488/8
HHJE	Diesel	3488/8
HHJF	Diesel	3488/8
HJBA	Diesel	3488/10 + 3488/17
HJBB	Diesel	3488/10 + 3488/17
HJBC	Diesel	3488/10 + 3488/17
HMDA	Petrol	3488/5
HWDA	Petrol	3488/5 + 3488/17 + 3488/8
HWDB	Petrol	3488/5 + 3488/17 + 3488/8
HXDA	Petrol	3488/8
JXFA	Diesel	3488/10
KGBA	Petrol	3488/8
KLBA	Diesel	3488/8
KNBA	Diesel	3488/8
KNWA	Diesel	3488/8
L1F	Petrol	3488/5 + 3488/17



Engine code	Fuel	HAZET No.
FORD		
L1J	Petrol	3488/5 + 3488/17
L1L	Petrol	3488/5 + 3488/17
L1N	Petrol	3488/5 + 3488/17
L1Q	Petrol	3488/5 + 3488/17
L1T	Petrol	3488/5 + 3488/17
L1V	Petrol	3488/5 + 3488/17
L1W	Petrol	3488/5 + 3488/17
LPBA	Diesel	3488/8
M7JA	Petrol	3488/5 + 3488/8
M7JB	Petrol	3488/5 + 3488/8
MHA	Petrol	3488/5 + 3488/17
MHB	Petrol	3488/5 + 3488/17
MUDA	Petrol	3488/8
N4JB	Petrol	3488/5
N7BA	Diesel	3488/10 + 3488/17
N7BB	Diesel	3488/10
NGA	Petrol	3488/5 + 3488/17
NGB	Petrol	3488/5 + 3488/17
NGC	Petrol	3488/5 + 3488/17
NGD	Petrol	3488/5 + 3488/17
P22DTE	Diesel	3488/10
P8FA	Diesel	3488/10
PHFA	Diesel	3488/10
PNDA	Petrol	3488/8
Q4BA	Diesel	3488/8
Q4WA	Diesel	3488/8
Q7DA	Petrol	3488/5
QJBA(BG)	Diesel	3488/10
QJBB	Diesel	3488/10
QJBC	Diesel	3488/10
QJBD	Diesel	3488/10
QQDA	Petrol	3488/5 + 3488/17
QQDB	Petrol	3488/5 + 3488/17
QQDC	Petrol	3488/5 + 3488/17
QQDD	Petrol	3488/5 + 3488/17
QVFA	Diesel	3488/10
QWFA	Diesel	3488/10
QXBA	Diesel	3488/8
QXBB	Diesel	3488/8
QXWA	Diesel	3488/8
QXWB	Diesel	3488/8
RDA	Petrol	3488/17
RFD	Diesel	3488/17
RFK	Diesel	3488/17
RFM	Diesel	3488/17
RFN	Diesel	3488/17
RFS	Diesel	3488/17
RHBA	Petrol	3488/8
RKA	Petrol	3488/5 + 3488/17
RKB	Petrol	3488/5 + 3488/17
RKC	Petrol	3488/17
RKF	Petrol	3488/5 + 3488/17
RKH	Petrol	3488/5 + 3488/17
RKJ	Petrol	3488/5 + 3488/17

Engine code	Fuel	HAZET No.
FORD		
RKK	Petrol	3488/5 + 3488/17
RQB	Petrol	3488/17
RTE	Diesel	3488/17
RTF	Diesel	3488/17
RTH	Diesel	3488/17
RTJ	Diesel	3488/17
RTJA	Petrol	3488/5
RTJB	Petrol	3488/5
RTK	Diesel	3488/17
RTN	Diesel	3488/17
RTO	Diesel	3488/17
RTP	Diesel	3488/17
RTQ	Diesel	3488/17
RVA	Diesel	3488/17
RVJA	Petrol	3488/8
SAFA	Diesel	3488/10
SDBA	Diesel	3488/10
SEBA	Petrol	3488/5
SEWA	Petrol	3488/5
SHDA	Petrol	3488/5
SHDB	Petrol	3488/5
SHDC	Petrol	3488/5
SNJA	Petrol	3488/5
SNJB	Petrol	3488/5
SPJA	Petrol	3488/5
SPJC	Petrol	3488/5
STJA	Petrol	3488/5
STJB	Petrol	3488/5
SYDA	Petrol	3488/5
T1BA	Diesel	3488/17
T1BA/B/C	Diesel	3488/17
T1BB	Diesel	3488/17
T1DA	Diesel	3488/17
T1DB	Diesel	3488/17
T1WA	Diesel	3488/17
T1WB	Diesel	3488/17
T3DA	Diesel	3488/17
T3DB	Diesel	3488/17
TBBA	Petrol	3488/5
TBBB	Petrol	3488/5
TBWA	Petrol	3488/5
TBWB	Petrol	3488/5
TXBA	Diesel	3488/8
TXDA	Diesel	3488/8
TXDB	Diesel	3488/8
TXWA	Diesel	3488/8
TYBA	Diesel	3488/8
TYDA	Diesel	3488/8
TYWA	Diesel	3488/8
UBJA	Diesel	3488/8
UFBA	Diesel	3488/8
UFDA	Diesel	3488/8
UFDB	Diesel	3488/8
UFWA	Diesel	3488/8

Engine code	Fuel	HAZET No.
FORD		
UKBA	Diesel	3488/8
UKDA	Diesel	3488/8
UKDB	Diesel	3488/8
UKWA	Diesel	3488/8
UTJA	Petrol	3488/5
XTDA	Petrol	3488/8
ZSD424	Diesel	3488/10
MINI		
N12B14	Petrol	3788/9
N12B14AB	Petrol	3788/9
N12B16A	Petrol	3788/9
N14B16A	Petrol	3788/9
N14B16CD	Petrol	3788/9
N14B16T0	Petrol	3788/9
N16B16A	Petrol	3788/9
N16B16K0	Petrol	3788/9
N16B16M0	Petrol	3788/9
N16B16U0	Petrol	3788/9
OPEL / VAUXHALL		
A10XEP	Petrol	3088/6
A12XEL	Petrol	3088/6
A12XER	Petrol	3088/6
A14NEL	Petrol	3088/6
A14NEL/LUH	Petrol	3088/6
A14NEL/LUJ	Petrol	3088/6
A14NET	Petrol	3088/6
A14NET/LUJ	Petrol	3088/6
A14XEL	Petrol	3088/6
A14XEL/LDD	Petrol	3088/6
A14XER	Petrol	3088/6
A14XER/LDD	Petrol	3088/6
A14XFL/LUU	Petrol	3088/6
C20SEL	Petrol	3088/19
L2Z	Petrol	3088/6
LDD	Petrol	3088/6
LWD	Petrol	3088/6
X10XE	Petrol	3088/4
X12XE	Petrol	3088/4
X14XE	Petrol	3088/19
X16SEJ	Petrol	3088/19
X16XEL	Petrol	3088/19
X18E1	Petrol	3088/19
X18XE	Petrol	3088/19
X18XE1	Petrol	3088/19
X20DTH	Diesel	3088/19
X20DTL	Diesel	3088/19
X20XEV	Petrol	3088/19
X22DTH	Diesel	3088/19
X22XE	Petrol	3088/19
Y16XE	Petrol	3088/19
Y20DTH	Diesel	3088/19
Y20DTL	Diesel	3088/19
Y22DTH	Diesel	3088/19
Y22DTR	Diesel	3088/19



Specialty tools

Engine – Engine Timing / Timing Belt



Engine code	Fuel	HAZET No.
OPEL / VAUXHALL		
Y22XE	Petrol	3088/19
Z10XE	Petrol	3088/4
Z10XEP	Petrol	3088/4
Z12XE	Petrol	3088/4
Z12XEP	Petrol	3088/4
Z13DT	Diesel	3088/19
Z14XE	Petrol	3088/19
Z14XEF	Petrol	3088/4
Z14XEL	Petrol	3088/4
Z14XEP	Petrol	3088/4
Z16LEL	Petrol	3088/7
Z16LER	Petrol	3088/7
Z16LET	Petrol	3088/7
Z16XE	Petrol	3088/19
Z16XE1	Petrol	3088/7
Z16XEP	Petrol	3088/7
Z16XER	Petrol	3088/7
Z16XNT	Petrol	3088/7
Z18XE	Petrol	3088/19
Z18XEL	Petrol	3088/19
Z18XER	Petrol	3088/7
Z19DT	Diesel	3088/19
Z19DTH	Diesel	3088/19
Z20LET	Petrol	3088/19
Z22SE	Petrol	3088/7
Z22XE	Petrol	3088/19
Z22YH	Petrol	3088/7
PEUGEOT		
EW10JR	Petrol	3788-32A
RENAULT		
D4F	Petrol	3888/19
D7F	Petrol	3888/19
E7F	Petrol	3888/19
F3P	Petrol	3888/19
F3R	Petrol	3888/19
F4P	Petrol	3888/19 + 3888/8
F4R	Petrol	3888/19 + 3888/8
F7P	Petrol	3888/19
F7R	Petrol	3888/19
F8M	Diesel	3888/19
F8Q	Diesel	3888/19
F9Q	Diesel	3888/19 + 3888/8
G8T	Diesel	3888/19
G9T	Diesel	3888/19 + 3888/8
G9U	Diesel	3888/19 + 3888/8
J7R	Petrol	3888/19
J7T	Petrol	3888/19
J8S	Diesel	3888/19
K4J	Petrol	3888/19 + 3888/8
K4M	Petrol	3888/19 + 3888/8
K4P	Petrol	3888/19
K4R	Petrol	3888/19
K7M	Petrol	3888/19
K9K	Diesel	3888/19 + 3888/8

Engine code	Fuel	HAZET No.
RENAULT		
N7Q	Petrol	3888/19
N7U	Petrol	3888/19
S8U	Diesel	3888/19
S9U	Diesel	3888/19
S9W	Diesel	3888/19
VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)		
1F	Petrol	2588/19
1X	Diesel	2588/19
1Y	Diesel	2588/19
1Z	Diesel	2588/19
2E	Petrol	2588/19
AAB	Diesel	2588-2/5
AAE	Petrol	2588/19
AAZ	Diesel	2588/19
ABF	Petrol	2588/19
ABK	Petrol	2588/19
ABL	Diesel	2588/19
ABM	Petrol	2588/19
ABS	Petrol	2588/19
ABT	Petrol	2588/19
ACE	Petrol	2588/19
ACV	Diesel	2588-2/5
ADA	Petrol	2588/19
ADL	Petrol	2588/19
ADP	Petrol	2588/19
ADR	Petrol	2588/19
ADY	Petrol	2588/19
ADZ	Petrol	2588/19
AEB	Petrol	2588/19
AEF	Diesel	2588/19
AEG	Petrol	2588/19
AEH	Petrol	2588/19
AEK	Petrol	2588/19
AEY	Diesel	2588/19
AFF	Diesel	2588/19
AFK	Petrol	2588/19
AFN	Diesel	2588/19
AFT	Petrol	2588/19
AGG	Petrol	2588/19
AGN	Petrol	2588/19
AGP	Diesel	2588/19
AGR	Diesel	2588/19
AGU	Petrol	2588/19
AGX	Diesel	2588-2/5
AHB	Diesel	2588/19
AHD	Diesel	2588-2/5
AHF	Diesel	2588/19
AHG	Diesel	2588/19
AHH	Diesel	2588/19
AHL	Petrol	2588/19
AHU	Diesel	2588/19
AHW	Petrol	2588/19
AHY	Diesel	2588-2/5

Engine code	Fuel	HAZET No.
VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)		
AJA	Diesel	2588-2/5
AJH	Petrol	2588/19
AJL	Petrol	2588/19
AJM	Diesel	2588/19
AJP	Petrol	2588/19
AJQ	Petrol	2588/19
AJT	Diesel	2588-2/5
AJV	Petrol	2588/19
AKF	Petrol	2588/19
AKL	Petrol	2588/19
AKQ	Petrol	2588/19
AKS	Petrol	2588/19
AKT	Petrol	2588/19
AKU	Diesel	2588/19
AKW	Diesel	2588/19
ALE	Diesel	2588/19
ALH	Diesel	2588/19
ALT	Petrol	2588/19
ALZ	Petrol	2588/19
AMB	Petrol	2588/19
AMF	Diesel	2588/19
AMK	Petrol	2588/19
ANA	Petrol	2588/19
ANB	Petrol	2588/19
ANJ	Diesel	2588-2/5
ANU	Diesel	2588/19
ANY	Diesel	2588/19
APA	Diesel	2588-2/5
APE	Petrol	2588/19
APF	Petrol	2588/19
APG	Petrol	2588/19
APK	Petrol	2588/19
APP	Petrol	2588/19
APT	Petrol	2588/19
APU	Petrol	2588/19
APX	Petrol	2588/19
APY	Petrol	2588/19
AQA	Petrol	2588/19
AQM	Diesel	2588/19
AQQ	Petrol	2588/19
AQX	Petrol	2588/19
AQY	Petrol	2588/19
ARC	Petrol	2588/19
ARG	Petrol	2588/19
ARL	Diesel	2588/19
ARM	Petrol	2588/19
ARR	Petrol	2588/19
ARX	Petrol	2588/19
ARY	Petrol	2588/19
ARZ	Petrol	2588/19
ASV	Diesel	2588/19
ASY	Diesel	2588/19
ASZ	Diesel	2588/19



Engine code	Fuel	HAZET No.
VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)		
ATD	Diesel	2588/19
ATJ	Diesel	2588/19
ATM	Petrol	2588/19
ATN	Petrol	2588/19
AUA	Petrol	2588/19
AUB	Petrol	2588/19
AUF	Diesel	2588-2/5
AUM	Petrol	2588/19
AUQ	Petrol	2588/19
AUR	Petrol	2588/19
AUS	Petrol	2588/19
AUY	Diesel	2588/19
AVB	Diesel	2588/19
AVC	Petrol	2588/19
AVF	Diesel	2588/19
AVG	Diesel	2588/19
AVJ	Petrol	2588/19
AVQ	Diesel	2588/9
AVR	Diesel	2588-2/5
AVU	Petrol	2588/19
AVV	Petrol	2588/19
AVY	Petrol	2588/19
AWA	Petrol	2588/19
AWC	Petrol	2588/19
AWT	Petrol	2588/19
AWU	Petrol	2588/19
AWX	Diesel	2588/19
AWY	Petrol	2588/9
AXD	Diesel	2588/10
AXE	Diesel	2588/10
AXG	Diesel	2588-2/5
AXL	Diesel	2588-2/5
AXP	Petrol	2588/19
AXR	Diesel	2588/19
AXU	Petrol	2588/9
AXW	Petrol	2588/19 + 2588/7
AXX	Petrol	2588/7
AYC	Diesel	2588-2/5
AYD	Petrol	2588/19
AYP	Petrol	2588/19
AYQ	Diesel	2588/19
AYZ	Diesel	2588/19
AZD	Petrol	2588/19
AZH	Petrol	2588/19
AZJ	Petrol	2588/19
AZM	Petrol	2588/19
AZQ	Petrol	2588/9
AZV	Diesel	2588/19 + 2588/9
AZZ	Diesel	2588/19
BAC	Diesel	2588/10

Engine code	Fuel	HAZET No.
VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)		
BAD	Petrol	2588/19
BAG	Petrol	2588/9
BAM	Petrol	2588/19
BAY	Diesel	2588/19
BBE	Diesel	2588-2/5
BBF	Diesel	2588-2/5
BBR	Diesel	2588-2/5
BBY	Petrol	2588/19
BBZ	Petrol	2588/19
BCA	Petrol	2588/19
BCB	Petrol	2588/19
BDK	Diesel	2588/19 + 2588/9
BEH	Petrol	2588/19
BEV	Diesel	2588/9
BEX	Petrol	2588/19
BFB	Petrol	2588/19
BFQ	Petrol	2588/19
BFS	Petrol	2588/19
BGB	Petrol	2588/7
BGU	Petrol	2588/19
BHD	Petrol	2588/7
BHZ	Petrol	2588/7
BJB	Diesel	2588/9
BJJ	Diesel	2588-2/5
BJK	Diesel	2588-2/5
BJL	Diesel	2588-2/5
BJM	Diesel	2588-2/5
BKC	Diesel	2588/19 + 2588/9
BKD	Diesel	2588/19 + 2588/9
BKE	Diesel	2588/9
BKG	Petrol	2588/9
BKP	Diesel	2588/9
BLB	Diesel	2588/9
BLF	Petrol	2588/9
BLJ	Diesel	2588/10
BLK	Diesel	2588/10
BLN	Petrol	2588/9
BLP	Petrol	2588/9
BLR	Petrol	2588/7
BLS	Diesel	2588/9
BLX	Petrol	2588/7
BLY	Petrol	2588/7
BMA	Diesel	2588/9
BMB	Petrol	2588/7
BMD	Petrol	2588/9
BME	Petrol	2588/9
BMM	Diesel	2588/9
BMN	Diesel	2588/9
BMP	Diesel	2588/9
BMR	Diesel	2588/9

Engine code	Fuel	HAZET No.
VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)		
BNA	Diesel	2588/9
BNZ	Diesel	2588/10
BPC	Diesel	2588/10
BPD	Diesel	2588/10
BPE	Diesel	2588/10
BPG	Petrol	2588/7
BPJ	Petrol	2588/7
BPW	Diesel	2588/9
BPY	Petrol	2588/7
BRB	Diesel	2588/9
BRC	Diesel	2588/9
BRE	Diesel	2588/9
BRF	Diesel	2588/9
BRM	Diesel	2588/9
BRT	Diesel	2588/9
BRU	Diesel	2588/19 + 2588/9
BSS	Diesel	2588/9
BUL	Petrol	2588/7
BUY	Diesel	2588/9
BUZ	Diesel	2588/9
BVF	Diesel	2588/9
BVG	Diesel	2588/9
BVH	Diesel	2588/9
BVX	Petrol	2588/7
BVY	Petrol	2588/7
BVZ	Petrol	2588/7
BWA	Petrol	2588/7
BWE	Petrol	2588/7
BWJ	Petrol	2588/7
BWT	Petrol	2588/7
BWV	Diesel	2588/9
BYD	Petrol	2588/7
BYK	Petrol	2588/7
BZC	Petrol	2588/7
CBZA	Petrol	2588-1/4
CBZB	Petrol	2588-1/4
CBZC	Petrol	2588-1/4
CDLA	Petrol	2588/7
CDLB	Petrol	2588/7
CDLC	Petrol	2588/7
CDLD	Petrol	2588/7
CDMA	Petrol	2588/7
CEBA	Diesel	2588-2/5
CEBB	Diesel	2588-2/5
CECA	Diesel	2588-2/5
CECB	Diesel	2588-2/5
CHYA	Petrol	2588-2/4
CHYB	Petrol	2588-2/4
CPGA	Petrol	2588-2/4



Specialty tools

Engine – Engine Timing / Timing Belt



Find engine timing tools
using the cross-reference number

Special tool	HAZET recommends	included in
ALFA ROMEO		
1822149000	3688-13	3690/6
1822154000	3690-1	3690/6
1825013000	3688-10	3690/6
1825041000	2100-04	3690/6
1825041000	3690-2	3690/6
1825041000	3690-3	3690/6
1825042000	2100-04	3690/6
1825042000	3690-2	3690/6
1825042000	3690-3	3690/6
1870734000	2100-04	3690/6
1870734000	3690-2	3690/6
1870734000	3690-3	3690/6
1870797000	2100-04	3690/6
1870797000	3690-2	3690/6
1870797000	3690-3	3690/6
1870859000	2100-04	3690/6
1870859000	3690-2	3690/6
1870859000	3690-3	3690/6
BMW		
11.2.300	2988-5	2988/13
11.2.300	2988-5	2988/11
11.3.190	2988-20	2988/11
11.3.240	2988-18	2988/11
11.3.290	2988-10	2988/11
11.3.290	2988-11	2988/11
11.3.291	2988-11	2988/11
11.3.292	2988-10	2988/11
11.3.320	2988-1	2988/13
11.3.340	2988-2	2988/13
11.3.360	2988-9	2988/13
11.3.390	2988-16	2988/11
11.3.450	2988-13	2988/11
11.4.220	2988-16	2988/11
11.5.120	2988-27	2988/7
11.5.180	2988-37	2988/13
11.5.490	2988-17	2988/11
11.6.080	2988-38	2988/13
11.6.150	2988-12	2988/11
11.6.180	2988-14	2988/11

Special tool	HAZET recommends	included in
BMW		
11.6.321	2988-6	2988/13
11.6.322	2988-8	2988/13
11.9.110	2988-15	2988/11
11.9.190	2988-27	2988/7
11.9.270	2988-21	2988/7
11.9.290	2988-24	2988/7
11.9.290	2988-25	2988/7
11.9.290	2988-26	2988/7
11.9.291	2988-25	2988/7
11.9.292	2988-24	2988/7
11.9.293	2988-26	2988/7
11.9.301	2988-36	2988/18
11.9.302	2988-31	2988/18
11.9.302	2988-32	2988/18
11.9.310	2988-33	2988/18
11.9.320	2988-28	2988/18
11.9.320	2988-29	2988/18
11.9.320	2988-30	2988/18
11.9.340	2988-22	2988/7
11.9.350	2988-23	2988/7
11.9.390	2988-34	2988/18
11.9.390	2988-35	2988/18
11.9.540	3788-35	3788/9
11.9.540	3788-36	3788/9
11.9.550	3788-35	3788/9
11.9.550	3788-37	3788/9
11.9.590	3788-34	3788/9
13.5.120	2988-4	2988/13
13.5.190	2988-3	2988/13
13.5.190	2988-39	2988/13
13.5.190	2988-7	2988/13
CITROËN		
0189-A	3788-29	3788/37
0189-A	3788-30	3788/37
0189-B	3788-31	3788/37
0189-C	3788-32	3788/37
0189-L	3788-33	3788/37
0197-A1	3788-35	3788/9
0197-A2	3788-37	3788/9

Special tool	HAZET recommends	included in
CITROËN		
0197-A3	3788-36	3788/9
0197-B	3788-34	3788/9
4507-TA	3788-3	3788/37
4507-TB	3788-25	3788/37
4507-TJ	3788-11	3788/37
4507-TL	3788-14	3788/37
4527-TS1	3788-6	3788/37
4527-TS2	3788-7	3788/37
4533-TAC1	3788-8	3788/37
4533-TAC2	3788-27	3788/37
4533-TAD	3788-20	3788/37
5711-TA	3788-9	3788/37
5711-TB	3788-4	3788/37
5711-TC	3788-5	3788/37
5711-TE	3788-10	3788/37
6012-T	3788-12	3788/37
7004-TG	3788-24	3788/37
7014-TJ	3788-1	3788/37
7014-TM	3788-26	3788/37
7014-TN	3788-9	3788/37
7017-TR	3788-2	3788/37
7018-TY	3788-24	3788/37
7044-T	3788-13	3788/37
7099-TM	3788-1	3788/37
9004-T	3788-13	3788/37
9022-TM	3788-12	3788/37
9041-TZ	3788-28	3788/37
9044-T	3788-13	3788/37
FIAT		
1860161000	3788-12	3688/20
1860161000	3788-8	3688/31
1860703000	3788-12	3688/20
1860703000	3788-12	3688/31
1860771000	3688-6	3688/20
1860771000	3688-6	3688/31
1860845000	3688-13	3688/20
1860845000	3688-13	3688/31
1860847000	2100-04	3688/20
1860847000	3688-91	3688/31



Special tool	HAZET recommends	included in
FIAT		
1860847000	3688-92	3688/31
1860863000	3788-1	3688/20
1860863000	3788-1	3688/31
1860874000	3688-41	3688/20
1860874000	3688-41	3688/31
1860874000	3688-42	3688/20
1860874000	3688-42	3688/31
1860875000	3688-8	3688/20
1860875000	3688-81	3688/31
1860875000	3688-82	3688/31
1860876000	3688-5	3688/20
1860876000	3688-5	3688/31
1860895000	3688-10	3688/31
1860895000	3688-10	3688/20
1860898000	3688-12	3688/20
1860898000	3688-12	3688/31
1860905000	3088-11	3688/20
1860905000	3088-11	3688/31
1860965000	3788-5	3688/31
1860965000	3788-5	3688/20
1860985000	3688-2	3688/20
1860985000	3688-2	3688/31
1860987000	3688-3	3688/20
1860987000	3688-3	3688/31
1860992000	3688-1	3688/31
1860992000	3688-1	3688/20
1870697000	3688-7	3688/20
1870697000	3688-71	3688/31
1870697000	3688-72	3688/31
1895879000	3688-10	3688/20
1895879000	3688-10	3688/31
FORD		
21-104	3488-4	3488/17
21-162 B	3488-1	3488/17
21-163	3488-11	3488/17
21-163	3488-11	3488/5
21-168	3488-5	3488/17
21-210	3488-10	3488/17
21-234	3488-6	3488/17
21-251	3488-7	3488/17
21-260	3488-21	3488/8
21-260	3788-21	3488/17
21-262	3788-22	3488/17

Special tool	HAZET recommends	included in
FORD		
21-263	3788-23	3488/17
23-019	3488-2	3488/17
23-029	3488-3	3488/17
303-1054	2588-8	3488/8
303-1059	3488-12	3488/8
303-1097	3488-14	3488/8
303-1151	3488-22	3488/10
303-193	3488-4	3488/17
303-249	3488-23	3488/10
303-376	3488-1	3488/17
303-376B	3488-13	3488/8
303-393	3488-5	3488/17
303-393-01	3488-16	3488/8
303-393-02	3488-17	3488/8
303-507	3488-10	3488/17
303-574	3488-11	3488/17
303-620	3488-11	3488/17
303-620	3488-11	3488/5
303-675	3488-6	3488/17
303-679/A	3488-21	3488/10
303-682	3488-20	3488/10
303-698	3488-7	3488/17
303-732	3488-21	3488/8
303-732	3788-21	3488/17
303-734	3788-22	3488/17
303-735	3788-23	3488/17
303-748	3488-15	3488/8
MAZDA		
49 JE02 018	3788-21	3788/4
49 JE02 020	3788-22	3788/4
49 JE02 021	3788-23	3788/4
VAUXHALL		
EN-49978	3088-25	3088/6
EN46781	3088-6	3088/19
EN46785	3088-7	3088/19
EN46788	3088-11	3088/19
EN46789	3088-9	3088/19
EN49977-100	3088-26	3088/6
EN49977-100	3088-27	3088/6
KM-6077	3088-23	3088/7
KM-6130	3088-10	3088/19
KM-6148	3088-22	3088/7
KM-6333	3088-21	3088/7

Special tool	HAZET recommends	included in
VAUXHALL		
KM-6340	3088-19	3088/7
KM-6625	3088-18	3088/7
KM-6628	3088-20	3088/7
KM-852	3088-16	3088/19
KM-853	3088-15	3088/19
KM-911	3088-17	3088/19
KM-927	3088-3	3088/19
KM-929	3088-2	3088/19
KM-932	3088-1	3088/19
KM-932	3088-4	3088/19
KM-933	3088-5	3088/19
KM-952	3088-13	3088/19
KM-953	3088-12	3088/19
KM-953-A	3088-24	3088/6
KM-954	3088-14	3088/19
KM-955	3088-8	3088/19
PEUGEOT		
0132AB	3788-7	3788/37
0132AJ1	3788-8	3788/37
0132AJ2	3788-27	3788/37
0132AK	3788-20	3788/37
0132P	3788-14	3788/37
0132Q	3788-3	3788/37
0132QZ	3788-3	3788/37
0132R	3788-24	3788/37
0132X1Z	3788-11	3788/37
0134Q	3788-13	3788/37
0153A	3788-13	3788/37
0153AA	3788-24	3788/37
0153AB	3788-28	3788/37
0153AF	3788-13	3788/37
0153AK	3788-20	3788/37
0153G	3788-8	3788/37
0153M	3788-26	3788/37
0153N	3788-1	3788/37
0153ZY	3788-1	3788/37
0178A	3788-9	3788/37
0178B	3788-4	3788/37
0178C	3788-5	3788/37
0178E	3788-10	3788/37
0188-D	3788-2	3788/37
0188-E	3788-17	3788/37
0188-F	3788-13	3788/37



Specialty tools

Engine – Engine Timing / Timing Belt



Special tool	HAZET recommends	included in
PEUGEOT		
0188-H	3788-5	3788/37
0188-J1	3788-18	3788/37
0188-J2	3788-19	3788/37
0188-K	3788-20	3788/37
0188-M	3788-9	3788/37
0188-P	3788-15	3788/37
0188-X	3788-16	3788/37
0188-Y	3788-1	3788/37
0189-J	3788-9	3788/37
0189-K	3788-20	3788/37
0194-A	3788-21	3788/37
0194-B	3788-23	3788/37
0194-C	3788-22	3788/37
0197-A1	3788-35	3788/9
0197-A2	3788-37	3788/9
0197-A3	3788-36	3788/9
0197-B	3788-34	3788/9
9765,54	3788-12	3788/37
9766,98	3788-9	3788/37
9767,27	3788-3	3788/37
9767,34	3788-1	3788/37
9767,89	3788-11	3788/37
9767,94	3788-26	3788/37
RENAULT		
–	3888-19	3888/8
–	3888-5	3888/19
Mot 1054	3888-1	3888/19
Mot 1135-01	3888-6	3888/19
Mot 1318	3888-2	3888/19
Mot 1337	3888-14	3888/19
Mot 1340	3888-15	3888/19
Mot 1386	3888-11	3888/19
Mot 1489	3888-13	3888/19
Mot 1496	3888-12	3888/19
Mot 1534	3888-10	3888/19
Mot 1536	3888-8	3888/19
Mot 1537	3888-9	3888/19
Mot 1543	3888-71	3888/19

Special tool	HAZET recommends	included in
RENAULT		
Mot 1543	3888-72	3888/19
Mot 1543	3888-73	3888/19
Mot 1543	3888-74	3888/19
Mot 1543	3888-75	3888/19
Mot 1705	3888-76	3888/8
Mot 861	3888-1	3888/19
Mot 910	3888-3	3888/19
Mot 910	3888-4	3888/19
Mot 910-1	3888-3	3888/19
Mot 910-2	3888-4	3888/19
Mot1368	3888-20	3888/8
Mot1490 (-01)	3888-21	3888/8
Mot1509 (-01)	3888-17	3888/8
Mot1750	3888-16	3888/8
Mot1801	3888-18	3888/8
SEAT		
T 20038	2588-6	2588/19
T 20046	2588-10	2588/19
T 20046	2588-11	2588/19
U-20003	2588-7	2588/19
U-20006	2588-5	2588/19
U-30009	2587	2588/19
U-30009 A	2587-1	2588/19
U-40021	2588-5	2588/19
U-40074	2588-3	2588/19
ŠKODA		
MP-1-300	2588-5	2588/19
MP-1-301	2588-3	2588/19
MP-1-302	2587	2588/19
MP-1-312	2588-6	2588/19
Volvo		
999-7122	3788-23	3788/4
999-7169	3788-22	3788/4
999-7233	3788-21	3788/4
VW/AUDI		
T 10008	2588-2	2588/19
T 10016	2588-4	2588/19
T 10020	2587-2	2588/19

Special tool	HAZET recommends	included in
VW/AUDI		
T 10050	2588-1	2588/19
T 10074	2588-4	2588/19
T 10092	2588-11	2588/19
T 10098 A	2588-6	2588/19
T 10115	2588-8	2588/19
T 20102	2588-3	2588/19
T 40011	2588-10	2588/19
T10025	2540-3	2588-2/5
T10100	2588-110	2588/9
T10120	2588-14	2588/9
T10121	2588-16	2588/9
T10123	2588-15	2588/9
T10171	2588-19	2588/9
T10193	2588-31	2588/10
T10199/1	2588-34	2588/10
T10225	2588-29	2588/10
T10226	2588-30	2588/10
T10234	2588-33	2588/10
T10252	2588-23	2588/7
T10264	2588-17	2588/9
T10265	2588-18	2588/9
T10340	2588-21	2588-2/4
T10414	2588-20	2588-1/4
T10476	2588-36	2588-2/4
T10477	2588-35	2588-2/4
T10499	2587-30	2588-2/4
T20079	2579-9K	2588/7
T40080	2579-9K	2588/7
T50009	2588-28	2588-2/5
V-159	2587	2588/19
VAG 2064	2588-7	2588/19
VAG 2065 A	2588-5	2588/19
VAG 3359	2588-3	2588/19
VAG 3369	2588-12	2588/19
VAG 3387	2587-1	2588/19
VAG 3411	2588-13	2588/19
VAG3248/A	2540-3	2588-2/5
VAG3355	2587-32	2588-2/5



Spark and Glow Plug

1849 Spark plug socket pliers

Made in Germany

- Especially suitable for hot terminals

- Application: For installing and removing **spark plug sockets**
- With side cutter
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849	195	007080

Made in Germany

- Safe application due to milled jaw profile

- Application: For installing and removing straight **spark plug sockets**
- Especially on **MERCEDES-BENZ**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-1	200	128037

Made in Germany

- Long style provides a better safety distance to the hot engine

- Application: For installing and removing straight **spark plug sockets**
- Especially for **deeply located spark plug sockets**, e.g. on **AUDI V6** and **V8 engines**, **JAGUAR 12 cyl.**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-2	290	007103

Made in Germany

- Especially suitable for hot terminals

- Application: For installing and removing **spark plug sockets**
- Long style
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-3	265	055098

1849 Spark plug socket remover

Made in Germany

- Slotted tube for optimal and careful guidance of the cable

- Application: For **installing and removing spark plug sockets** even on hot engines
For 2.8-2.9 l VR6-engine **VW Golf**, **Passat**, **Vento**, **Corrado**, **T5 2.0 l**, **Lupo 4-cyl.** engine model years 1999→, **AUDI A4**, **A6** with 2.6 and 2.8 l V6-engines



HAZET No.	l mm	EAN-No. 4000896+
1849-6	253	007110

Made in Germany

- Socket also on hot engines

- Application: For installing and removing spark plug sockets even on hot engines
- For **VW Golf 4**, **5**, **6-1.6 l**, **Polo 5-1.2 l** 2009→, **Bora 1999→** and **Touran 2004→** with 1.6 l, 4 cyl. injection engine with roller cam follower, **New Beetle 1999→** with 2.0 l, 4 cyl. injection engine and 2 valve 4 cyl. injection engine with roller cam follower
- **AUDI A3 2004→** with 2 valve 4 cyl. injection engine
- **SEAT, ŠKODA** and **SMART For Two (type 450)**
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
1849-9	275	110476

2131 Spark plug brush

Made in Germany

- Special corrugated brass wire bristles

- Application: For cleaning electrodes and contacts on spark plugs
- 3 rows
- Trim size: 15 mm
- Wooden body



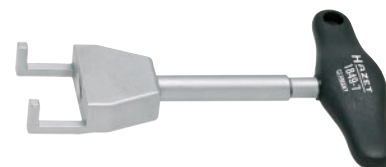
HAZET No.	l mm	EAN-No. 4000896+
2131	150	012541

1849 Ignition coil remover

Made in Germany

- Application: For **installing and removing ignition coils with final output stage**

- On **VW Polo**, **Fox 1.2 l**, **Golf 1.4**, **1.6 l**, **Golf Plus 1.4 l** 2005→, **Caddy 1.4 l**, **Bora 1.4**, **1.6 l**, **Beetle 1.4 l** (petrol engine 2003), **Scirocco 1.4 l** 2009→, **Lupo 4-cyl.** direct injection engine 1999→, **Passat B7 1.4 l TSI**, **Touran 1.6 l**, **Phaeton**, **Transporter T4**, **ŠKODA Fabia**
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-7	135	110353



Specialty tools

Engine – Spark and Glow Plug



1849 Ignition coil remover

Made in Germany

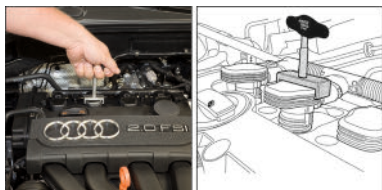
- Application: For **installing and removing ignition coils with final output stage**
- On **VW** Golf, Bora, Eos 3.2 I 2006 →, Passat, Sharan, Touareg 6-cyl. 2003 →, Transporter T5 3.2 I 6-cyl. injection engine 2004 →
- **AUDI** TT 3.2 I model years 1999 → 2007, A3 3.2 I 2004 →, Passat B7 3.6 I FSI
- Plastic T-handle
- Surface: chrome-plated



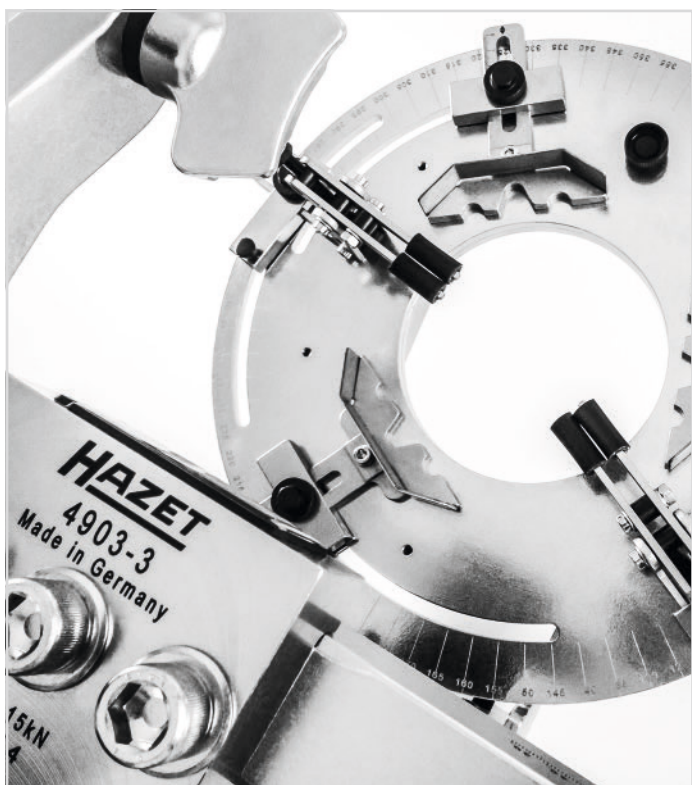
HAZET No.	l mm	EAN-No. 4000896+
1849-8	133	110360

Made in Germany

- Application: For **installing and removing ignition coils with final output stage**
- **VW** direct injection engines 2.0: Golf (since 2004), Touran (since 2004), Passat (since 2006), Eos (since 2006), Polo (since 2002) 4 cyl. 5V, Scirocco (since 2009) 1.8 and 2.0 I, Tiguan (since 2006) 1.8 and 2.0 I, Phaeton (since 2003) 8 cyl. Passat B7 1.8–2.0 I TSI
- **AUDI** direct injection engines: A3 (since 2004) 2.0, A4 (since 2002) 2.0, A5 (since 2008) 3.2 and 4.2 I, A6 (since 2005) 3.2, A8 (since 2003) 3.2–4.2 and 5.2 I, TT (since 2007) 1.8 and 2.0 I, R8 (since 2008) 4.2 I, Q5 (since 2008) 2.0 and 3.2 I, Q7 (since 2007) 3.6 and 4.2 I
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-10	102	132201



1849 Ignition module puller

- Enables uniform removal of the ignition module (levering with unsuitable tools, which cause damage to the ignition module, is thus avoided)

- Application: For **installing and removing ignition modules**
- On **VAUXHALL** 3 and 4 cylinder petrol engines with fuel injection 1.0 · 1.2 · 1.4 · 1.6 · 1.8 · 2.0 · 2.2 I engines as well as **FIAT** Croma 1.8 I **ALFA** 159 1.8 I

- Recommended use in pairs
For **CHEVROLET** Aveo Cruze
OPEL/VAUXHALL Adam, Agila-B, Astra-J, Cascada, Combo, Corsa-D, Meriva-B, Mokka, Zafira, Tourer

Engines: 1.0: A10XEP (LDB),
1.2: A12XEL (LWD), A12XER (LDC),
1.4: A14XEL (L2Z), A14XER (LDD), LDU
1.4 (T): A14NEL (LUH), A14NET (LUJ), Twinport / ecoFLEX engines
OPEL 3 or 4-cylinder petrol injection engine e.g. in **OPEL** Agila-A, Astra-F, Astra-G, Astra-H, Astra-J, Calibra, Combo, Corsa-B, Corsa-C, Corsa-D, Frontera-A, Frontera-B, Insignia, Meriva-A, Meriva-B, Omega-B, Signum, Tigra-A, Tigra-B, Vectra-B, Vectra-C, Zafira-A, Zafira-B
Engine codes: 20LEH · 2HO · A10XEP · A14NEL · A14NET · A14XER · A16LET · A16XER · A18XER · C22SEL · LDD · LDE · LLU · LUH · LUJ · X14NZ · X14SZ · X14XE · X16SZR · X16XE · X16XEL · X18XE · X20SE · X20XEV · X22SE · X22XE · Y22SE · Z10XEP · Z12XE · Z12XEP · Z14XE · Z14XEL · Z14XEP · Z16LEL · Z16LER · Z16LET · Z16XE · Z16XER · Z16YNG · Z18XE · Z18XER · Z20LER

- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
1849-11	50	85	201716

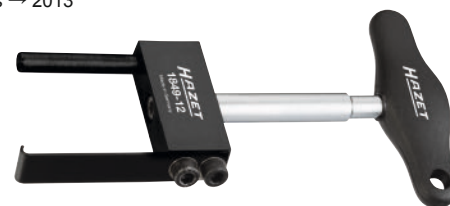
1849 Pencil coil extractor

Made in Germany

- Fast, safe extraction of the pencil coils

- Application: For **removing the pencil coils** on 1.0 I / 1.0 I TSI / TFSI - 1.2 I TSI - 1.4 I TSI / TFSI - 2.0 I GTI engines
- Vehicle types:
VW Up model years → 2011, Polo model years → 2012, Golf model years → 2013, Beetle model years → 2014, Caddy model years → 2015, Passat model years → 2014, Tiguan model years → 2015, Touran model years → 2015, Sharan model years → 2015
AUDI A1 model years → 2012, A3 model years → 2013
SEAT Mii model years → 2011, Ibiza model years → 2013, Leon model years → 2013
SKODA Citigo model years → 2011, Fabia model years → 2014, Octavia model years → 2013

- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-12	156	204342



Overview spark and glow plugs

HAZET No.	mm	"	l mm	□
4760-2 (G)	8	—	142	10 3/8
2530 (G)	10	—	140	10 3/8
4766-2	14	—	64	10 3/8
4766-3	14	—	154	10 3/8
880 A MgT	16	5/8	64	10 3/8
880 A MgT-1	16	5/8	64	10 3/8
880 A KF	16	5/8	64	10 3/8
900 A MgT	16	5/8	71	12 1/2
900 A KF	16	5/8	71	12 1/2
4766	16	5/8	97	10 3/8

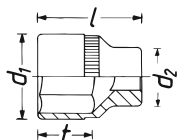
HAZET No.	mm	"	l mm	□
4766-1	16	5/8	270	10 3/8
4767 A KF	16	5/8	480	12 1/2
880 MgT-18	18	—	62	10 3/8
880 MgT	20.8	13/16	64	10 3/8
880 KF	20.8	13/16	64	10 3/8
900 Lg-20.8	20.8	13/16	85	12 1/2
900 TZ-20.8	20.8	13/16	85	12 1/2
900 MgT	20.8	13/16	68	12 1/2
900 KF	20.8	13/16	71	12 1/2
2505-2	20.8	13/16	137.5–197.5	10 3/8

(G) = Glow plug

880 MGT Spark plug socket

Made in Germany

- Application: For spark plug changing
- With permanent magnet
- Long design
- Surface: chrome-plated, polished



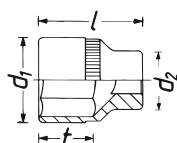
HAZET No.	S mm	l mm	d mm	EAN-No. 4000896+
880 Mg T	20.8	64	27.4	040872
880 A Mg T	16	64	21.7	040247

Made in Germany

- With permanent magnet



- Application: For spark plug changing
- With outside hexagon 17 mm
- For motorcycles, e.g. HONDA, YAMAHA, SUZUKI, KAWASAKI etc.
- Long design
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 Mg T-18	18	62	23.5	22.8	040889

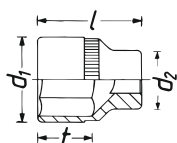
880 AMGT Spark plug socket

Made in Germany

- With outside guide collar 23.6 mm for deeply located spark plugs

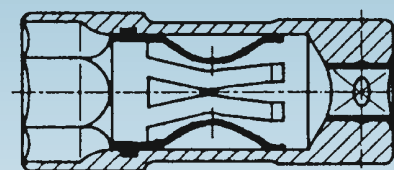
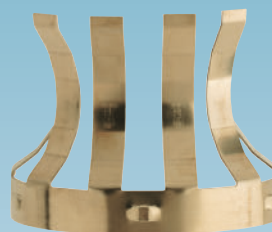


- Application: For spark plug changing
- With permanent magnet
- Long design
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 A Mg T-1	16	64	21.9	21	040254

Fixing clamp information



- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

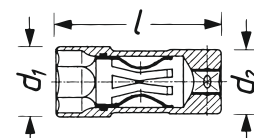
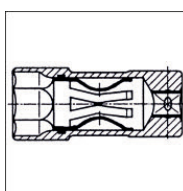
880 KF Spark plug socket

Made in Germany

- The fixing clamp reduces the risk of insulator damage



- Application: Installing and removing spark plugs (s 20.8 mm = 13/16")
- With fixing clamp to hold the spark plug
- Long design
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d1 mm	d2 mm	EAN-No. 4000896+
880 KF	20.8	64	27.4	22	040674
880 A KF	16	64	21.6	25	040131



Specialty tools

Engine – Spark and Glow Plug



900 MGT Spark plug socket

Made in Germany

- For spark plug changing
- With permanent magnet
- Surface: chrome-plated, polished

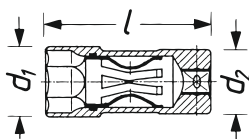
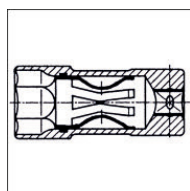


HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
900 Mg T	20.8	68	27.4	23.5	9	044023
900 A Mg T	16	71	22.5	22.5	8.5	043491

900 KF Spark plug socket

Made in Germany

- For spark plug changing
- **With fixing clamp** to hold the spark plug
- The fixing clamp reduces the risk of insulator damage
- Surface: chrome-plated, polished



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
900 KF	20.8	71	27.4	25	10	043859
900 A KF	16	71	22.5	22.5	10	043408

2505 Spark plug wrench

Made in Germany

- **Adjustable in length** from 137.5 mm to 157.5 and 197.5 mm

- For spark plugs with 20.8 / ¹³/₁₆" wrench size
- With rubber ply
- Drive with ball race
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
2505-2	20.8	197.5	016266

4766 Spark plug wrench

Made in Germany

- **Short style**

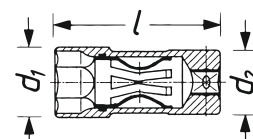
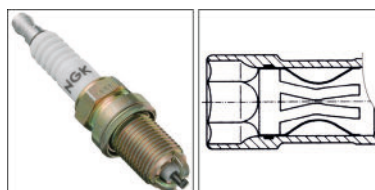
- Application: Installing and removing spark plugs (C-plugs) (s 16 mm = 5/8")
- For e.g. on motorcycles, **BMW C1**, **KAWASAKI**, **YAMAHA**, **HONDA**, **SUZUKI**, **DUCATI**, **MERCEDES-BENZ** passenger cars e.g. A-Class (type 168, 169), B-Class (type 245), **SMART** (type 451)
- With fixing clamp for a firm hold of the spark plug
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated



4766 Spark plug wrench

Made in Germany

- **With fixing clamp** for a firm hold of the spark plugs
- Application: Installing and removing spark plugs (16 mm or 5/8")
- For e.g. on **VW**, **AUDI**, **ŠKODA**, **RENAULT**, **FIAT**, **FORD**, **VAUXHALL**, **BMW**, **NISSAN**, **HONDA**, **MAZDA**, **MITSUBISHI**, **KIA**, **Volvo**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated



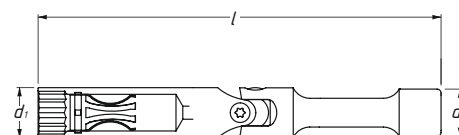
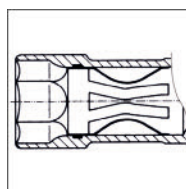
HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
4766	16	97	21.4	18	049295

Made in Germany

- **With fixing clamp** for a firm hold of the spark plugs
- Application: Installing and removing spark plugs (16 mm or 5/8")
- For e.g. on **VW**, **AUDI**, **ŠKODA**, **RENAULT**, **FIAT**, **FORD**, **VAUXHALL**, **BMW**, **NISSAN**, **HONDA**, **MAZDA**, **MITSUBISHI**, **KIA**, **Volvo**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated



YouTube Clip

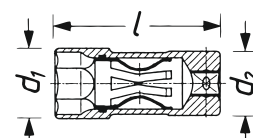
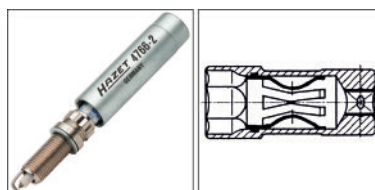


HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
4766-1	16	270	21.4	18	048991

Made in Germany

- **12-point profile** enables application of spark plugs with 6-point and 12-point

- Application: Installing and removing spark plugs (s 14 mm)
- With fixing clamp for a firm hold of the spark plug
- On **BMW E90 N 54** engine 335 i Sal. model year 2006 →, 1 Series (F20) 118i, **RENAULT** Modus, Twingo, Clio, Kangoo mit 1.2 l 16 V engine, **PEUGEOT** 207, 307 as well as **CITROËN** C4 with 1.4 and 1.6 l 16 V engine, C5 with 2.0 l HPi engine, **MERCEDES-BENZ** engine M 156, Motor M 276, **NISSAN** Micra, Note, **MINI** 1.2–1.4 l 4-cyl. model year 2007 →, **FORD** 1.0 EcoBoost engine, **ALFA** 1.8 TBI engine, **KIA**
- Drive with ball race



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
4766-2	14	64	18	17.3	087655



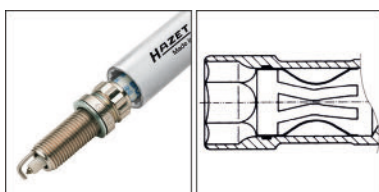
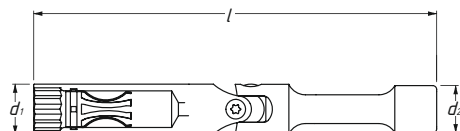
4766 Spark plug wrench

Made in Germany

- 12-point profile enables application of 14 mm spark plugs with 6-point and 12-point



- Application: For 14 mm spark plugs e.g. **BMW** and **MERCEDES-BENZ**
- Fixing clamp for a firm hold and problem-free positioning and assembly of the spark plug
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
4766-3	14	154	19.1	18	199976

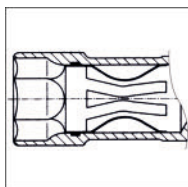
4767 AKF Spark plug wrench

Made in Germany

- With spring in the joint



- Application: Installing and removing spark plugs (s 16 mm = 5/8")
- With fixing clamp for a firm hold of the spark plugs
- Long design
- Drive with ball race
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4767 A KF	16	480	049028

2530 Glow plug socket

Made in Germany

- With ball clamping to hold the glow plug



- Application: Installing and removing glow plugs (s 10 mm)
- **VW, AUDI** diesel direct injection engines and **MERCEDES-BENZ** CDI, **SMART**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Blister packed
- Surface: chrome-plated



2530 Glow plug socket



HAZET No.	S mm	l mm	EAN-No. 4000896+
2530	10	140	016341

4760 Glow plug wrench

Made in Germany

- With ball clamping to hold the glow plug



- Application: Installing and removing glow plugs (s 8 mm)
- For e.g. on **MERCEDES-BENZ, SMART, VW, FIAT** and **VAUXHALL** with diesel engines
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Blister packed
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4760-2	8	142	118670

4760 Glow plug socket pliers

Made in Germany

- The pliers' design is specially adapted to the sockets



- Application: Installation and removal of glow plug sockets on diesel engines e.g. **MERCEDES-BENZ, VW, AUDI, SEAT, ŠKODA** and **BMW**
- Offset design for use on glow plug sockets in areas with restricted access
- **With recess preventing cable damage**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)



HAZET No.	EAN-No. 4000896+
4760-5	089130



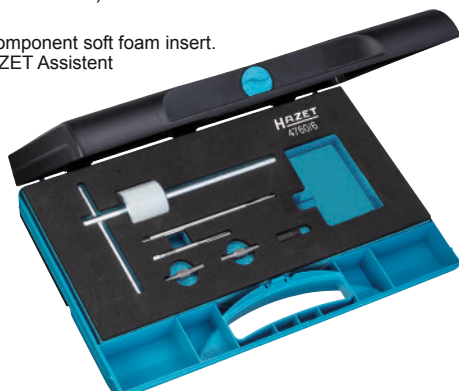
Specialty tools

Engine – Spark and Glow Plug



4760 Glow plug removal set

- For knocking out broken glow plugs $\leq 8-10$ mm
- Allows time-saving repair without the need to remove the cylinder head
- Damaged threads are **trimmed** or **renewed/reworked** (see also 4760-M8 to -M10)
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



HAZET No.	L x W x H mm		EAN-No. 4000896+
4760/6	355x235x65	6	191642

4760 Glow plug repair set

- Thread repair without having to remove the cylinder head
- To be used with glow plug removal set 4760/6
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



YouTube Clip



HAZET No.	L x W x H mm		EAN-No. 4000896+
- Ripped out threads M8 x 1 are reworked on M10 x 1 thread 1 twist drill 6.8 mm with spacer sleeve 1 tap M8 x 1 1 tap M10 x 1 1 twist drill 9 mm 5 threaded inserts M8 x 1			
4760-M 8x1/9	185x153x52	9	191536
- Ripped out threads M9 x 1 are reworked on M11 x 1 thread 1 twist drill 8 mm with spacer sleeve 1 tap M9 x 1 1 tap M11 x 1 1 twist drill 10 mm 5 threaded inserts M9 x 1			
4760-M 9x1/9	185x153x52	9	191512

4760 Glow plug repair set



HAZET No.	L x W x H mm		EAN-No. 4000896+
- Ripped out threads M10 x 1 are reworked on M12 x 1 thread 1 twist drill 9 mm with spacer sleeve 1 tap M10 x 1 1 tap M12 x 1 1 twist drill 11 mm 5 threaded inserts M10 x 1			
4760-M 10x1/9	185x153x52	9	191529
- Ripped out threads M10 x 1.25 are reworked on M12 x 1.25 1 twist drill 9 mm with spacer sleeve 1 tap M10 x 1.25 1 tap M12 x 1.25 1 twist drill 11 mm 5 threaded inserts M10 x 1.25			
4760-M 10x1.25/9	185x153x52	9	191635

4760 Glow plug seat sealing cleaner

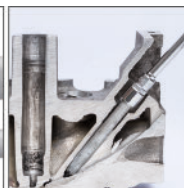
Made in Germany

- Application: Enables trouble-free removal of coking residues from the seat sealing of the glow plug on diesel engines



4760-10 Ø 4,9 mm

4760-89 Ø 3,9 mm



HAZET No.	l mm	EAN-No. 4000896+
- For 8 and 9 mm glow plugs - Drill diameter 3.9 mm - Outside hexagon ≤ 8 mm		
4760-89	126	191673
- For 10 mm glow plugs - Drill diameter 4.9 mm - Outside hexagon ≤ 10 mm		
4760-10	126	191666

4760 Glow plug tip removal set with 5 mm sleeve

Made in Germany

- Disassembling of the cylinder head is no longer necessary
- Application: For removing glow plug tips of 10 mm glow plugs
- In connection with sliding hammer M8 from HAZET set 4760/6
- Allows time-saving repair without the need to remove the cylinder head
- Content:
 - 1 counterholder
 - 1 tension element



HAZET No.		EAN-No. 4000896+
4760/2	2	191680



Cylinder head

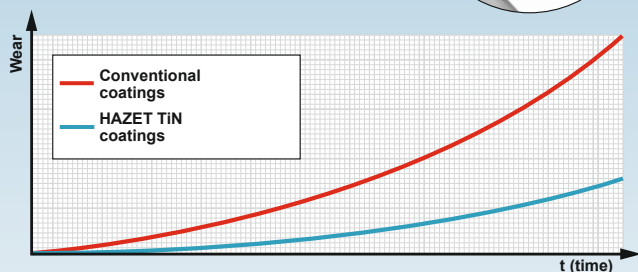
TiN coating

TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TiN-coated screwdriver sockets



986 LG Screwdriver socket

Made in Germany

- Application: Cylinder head fitting (s 10 mm)
- Long design
- With knurling
- Surface:
- DIN 7422



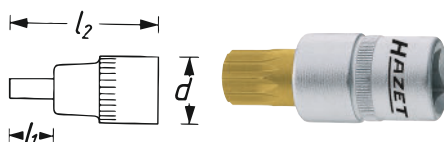
* = Not according to DIN

HAZET No.	S mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
986 Lg-10	10	103	141	24.6	047086
986 S Lg-8	8	81	119	23	047154

990 Screwdriver socket

Made in Germany

- Application: Cylinder head fitting (XZN screws)
- Short design
- With knurling
- Surface:



990 Screwdriver socket



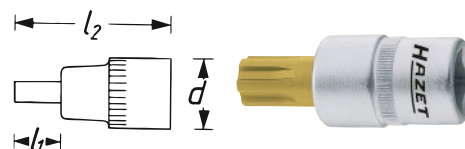
HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990-10	10	15	53	23	047253
990 Lg-9	9	62	100	23	103140
990 Lg-14	14	62	100	23	065240
990 S Lg-10	10	82	120	23	047369
990 S Lg-12	12	102	140	23	047376
2751	10	100	140	23	017508

991 Screwdriver socket

Made in Germany



- Application: For cylinder head bolts on FIAT 2.0 engines
- Short design
- With knurling
- Surface:



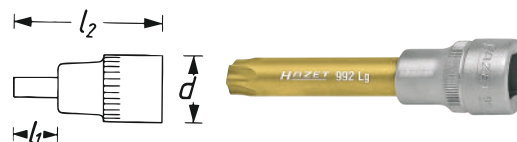
HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
991-12	12	25	63	23	047413

992 LG Screwdriver socket TORX®

Made in Germany



- Application: Cylinder head fitting (for inside TORX® screws T 55)
- Long design
- With knurling
- Surface:



HAZET No.	l ₁ mm	l ₂ mm	d mm	mm	EAN-No. 4000896+
992 S Lg-T 55	102	138	23	11.22	047642
992 Lg-T 55	57	96	23.3	11.22	057337
992 Lg-T 70	67	105	24.6	15.54	047611

2579 Cylinder head screwdriver socket

Made in Germany



- Application: For the operation of Polydrive cylinder head bolts on VW engines (VW, AUDI, SEAT, ŠKODA)
- Extra long design
- With knurling



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2579-9	130	168	086931

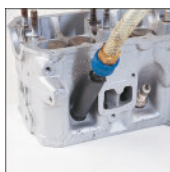


Valves / Pistons

3428 Compressed air adapter

Made in Germany

- Application: For keeping built-in valves lifted when installing and removing the cylinder head valve keys
- On all **FORD** engines except CVH engines and multi-valve engines
- Spark plug threads M 14 x 1.25 and M 18 x 1.5
- Compressed air connection 13 mm 6-point



HAZET No.	l mm	EAN-No. 4000896+
3428	140	018819

794 Piston ring compressor

Made in Germany

- With tensioner adjuster
- Continuous regulation
- High-strength spring band steel
- Safety spring prevents undesired springing open



HAZET No.	Ø mm	h mm	EAN-No. 4000896+
794-01	40 – 75	50	031597
794-1	60 – 125	80	031610
794-2	90 – 175	80	031641

794 U Piston ring collet chuck

Made in Germany

- Application: For compression of piston rings on water-cooled and air-cooled engines
- Tightening strap (width 32 mm), releasable
- Surface: chrome-plated



HAZET No.	Ø mm	l mm	h mm	EAN-No. 4000896+
794 U-3	70 – 100	332	32	031672

790 Piston ring pliers

Made in Germany

- Application: For installing and removing piston rings
- Surface: bright nickel-plated



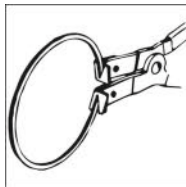
HAZET No.	Ø mm	l mm	EAN-No. 4000896+
790-1	50 – 100	220	031412
790-1 a	65 – 110	240	031429

790 Piston ring pliers

Made in Germany

- With prism holder

- Application: For safe grip of various piston ring types
- Surface: nickel-plated, prism holder burnished



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
790-3	60 – 120	220	031450

795 Valve refacer

Made in Germany

- With suction cup



HAZET No.	Ø mm	EAN-No. 4000896+
795-1	20	031771
795-2	25	031788
795-3	30	031795
795-4	37	031801

792 Valve spring compressors

Made in Germany

- Application: Tensioning valve springs
- With 1 pair of straight and bent jaws each, 792-1 with straight jaws sb 75 – 225 with bent jaws sb 45 – 195
- Surface: bright nickel-plated



HAZET No.	l mm	EAN-No. 4000896+
792-1	290	031481

791 Valve stem seal ring pliers

Made in Germany

- Application: For removing valve stem seals on 2-valve engines
- On **FORD**, **VAUXHALL**, **NISSAN**, etc.
- Serrated
- Hardened jaws
- Surface: nickel-plated, jaws burnished



HAZET No.	l mm	EAN-No. 4000896+
791-5	250	031467



791 Valve stem seal ring pliers

Made in Germany

- With hardened jaws, serrated

- Application: For the easy and reliable removing of deeply located valve stem seals (**multi-valve**) through the extra long jaws
- On e.g. **AUDI, FORD, VAUXHALL**
- Dip-coated jaws
- Straight
- Surface: nickel-plated



HAZET No.	l mm	EAN-No. 4000896+
791-8	270	061068

2991 Valve stem seal ring pliers

Made in Germany

- Working area with dip coating for avoiding damage to the valve timing

- Application: For removing valve stem seals especially on **BMW multi-valve engines, VAUXHALL, FORD, SEAT, ŠKODA** and **VW/AUDI**
- Hardened jaws, longitudinally toothed



HAZET No.	l mm	EAN-No. 4000896+
2991	250	018352

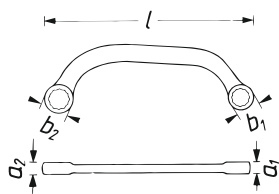
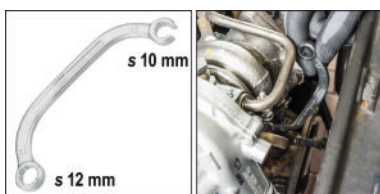
Fuel System / Fuel Injection

615-S Double box-end wrench

Made in Germany

- Enables working on built-in components

- Application: For safe operation of control bar screw connection (loosening, adjusting, tightening) when removing or installing the pressurized can with position sensor for boost pressure plate on the turbocharger
- Bent double box-end wrench (12-point), slotted on sides (s 10 mm)
- Can be used in combination with HAZET socket 2561-10
- For 2.0 l common rail engines (4-cyl. diesel engines)
- **VW** Golf model years 2009 →, Golf Plus model years 2009 →, Eos model years 2006 →, Jetta model years 2006 →, Passat model years 2006 →, Passat CC model years 2009 →, Beetle model years 2011 →, Scirocco model years 2009 →, Tiguan model years 2008 →, Transporter model years 2010 →
- **AUDI** A3 model years 2004 →, TT model years 2008 → 2014
- **SEAT** Altea since 2006, Leon model years 2006 → 2012, Toledo model years 2006 → 2009,
- **ŠKODA** Octavia model years 2006 → 2013, Superb model years 2009 → 2015, Yeti since 2009



HAZET No.	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	l mm	EAN-No. 4000896+
615-S 10x12	7.5	7.5	18	20	147	203505

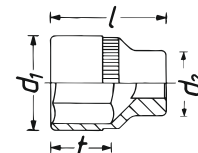
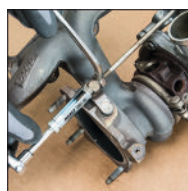
2561 Turbocharger socket (12-point)

Made in Germany

- Enables working on built-in components

- Application: For safe operation of control bar screw connection (loosening, adjusting, tightening) when removing or installing the pressurized can with position sensor for boost pressure plate on the turbocharger
- Socket (12-point), slotted on sides
- Can be used in combination with HAZET double box-end wrench 615-S 10 x 12
- For 2.0 l common rail engines (4-cyl. diesel engines)
- **VW** Golf model years 2009 →, Golf Plus model years 2009 →, Eos model years 2006 →, Jetta model years 2006 →, Passat model years 2006 →, Passat CC model years 2009 →, Beetle model years 2011 →, Scirocco model years 2009 →, Tiguan model years 2008 →, Transporter model years 2010 →
- **AUDI** A3 model years 2004 →, TT model years 2008 → 2014
- **SEAT** Altea since 2006, Leon model years 2006 → 2012, Toledo model years 2006 → 2009
- **ŠKODA** Octavia model years 2006 → 2013, Superb model years 2009 → 2015, Yeti since 2009

2561 Turbocharger socket (12-point)

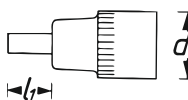


HAZET No.	s mm	l mm	d ₁ mm	d ₂ mm	f mm	EAN-No. 4000896+
2561-10	10	57	15	15	40	203512

2527 Ball-head screwdriver socket

Made in Germany

- Application: For the knock sensor on V6 engine (s 8 mm)
- Extra long design
- With ball-head
- With knurling



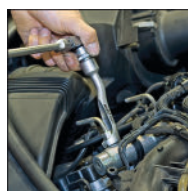
HAZET No.	s mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
2527-8	8	200	238	23	016310

4550 Injection line wrench

Made in Germany

- Open 12-point socket

- Application: For the operation of screwed connections on injection lines
- Surface: chrome-plated





Specialty tools

Engine – Fuel System / Fuel Injection



4550 Injection line wrench



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	EAN-No. 4000896+
• FIAT, CITROËN, PEUGEOT, RENAULT and IVECO models with Common Rail engines • As well as injection line screw connection e.g. on BMW, MERCEDES-BENZ, VW • Long style • ☐ drive 12.5 = 1/2"					
4550-5	14	119	27	22.9	149582
• For BMW diesel and VAUXHALL 2.5 TD-engines • ☐ drive 10 = 3/8"					
4550	17	115	–	–	021680
• MERCEDES-BENZ 100, 130, 314, 360, 360h, 352A, 346/355, 401, 402, 403, 407h, 615, 616, 617 • Long style • ☐ drive 12.5 = 1/2"					
4550-1	17	120	–	–	021697
• MERCEDES-BENZ M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dipstick guide tube on M 314 • Long style • ☐ drive 12.5 = 1/2"					
4550-2	19	119	–	–	021734

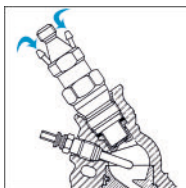
4555 Injection nozzle socket

Made in Germany

- **Special relief to accommodate the return leakage tubes**

- Application: For **injection nozzles** (s 27 mm) on diesel engines
VW, AUDI, MERCEDES-BENZ, VAUXHALL, FORD, PEUGEOT, Volvo, TOYOTA, MAZDA, NISSAN, MITSUBISHI, DAIHATSU

- Long design
- With knurling
- Surface: chrome-plated

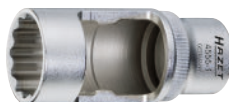


HAZET No.	S mm	l mm	EAN-No. 4000896+
4555 N	27	85	021840

Made in Germany

- Application: Injection nozzles (s 27 mm) on **BMW** Diesel
M21 = E30 = 324TD E28 = 524TD E34 = 524TD
M51 = E36 = 325TD E34 = 525TDS,
FORD diesel **LINCOLN** Continental (USA),
LINCOLN Mark VII, VIILSC

- Long design
- With knurling
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4555-1	27	85	021802

Made in Germany

- **With inside bore hole 22 mm Ø**

- Application: For **injection nozzles** (s 22 mm) on **VW** Polo 1.3 l diesel engine
NISSAN Terrano TD 25, 27

- Long design
- With knurling
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4555-3	22	82	021833

4556 Pressure valve holder tool

Made in Germany



- Application: For installing and removing the **pressure valve holder** on the MRSF-ERE injection pump
- Socket with internal serration
- For **MERCEDES-BENZ** diesel passenger cars, transport vehicles 601, 602, 603, 605, 606, 615, 616, 617
- With 33 teeth
- Long design
- With knurling
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4556	17.9x20	55.5	021864

4560 Injection line wrench

Made in Germany



- Application: For installing and removing the **injection lines** (s 17 mm)
- On e.g. **VW, AUDI** diesel engines:
1.6 l 4-cyl., 2.0 l 5-cyl., 2.4 l 6-cyl.
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4560	17x17	221	021918

4561 Injection pump wrench

Made in Germany



- Application: For **fastening screws** (s 13 mm) at the **injection pump**, when replacing the toothed belt or adjusting the injection start
- One-sided box-end wrenches
- On 1.6 l 4-cyl. diesel engine **AUDI, VW** Golf, Jetta, Caddy, Passat, **CITROËN**
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4561	13	165	021925

4561 Single box-end wrench

Made in Germany



- **One-sided box-end wrench for operating the fitting**
- Problem: Very special screw connection that is not within reach of normal tools. **Solution:** This especially bent box-end wrench allows the operation of the lower screw connection of particulate filters on turbochargers
- Suitable for: **AUDI** A4 (B5-B6-B7) model years 1997→2008, A6 (C5-C6) model years 1997→2011
VW Passat (3B/3BG) model years 1996→2005 with 1.9 l and 2.0 l pump injector engine and particulate filter
- Also for holding the screw connections at the y-pipe on **VW/AUDI** s 12 mm
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4561-12	12	165	190485



4501 Fuel line pliers

Made in Germany

- Application: For operation of the **quick-release covers with light pressure on the fuel line as well as tank aeration**
- On **FIAT/ALFA/LANCIA** vehicles with 1.3 l – 1.9 l – 2.4 l diesel, **CHRYSLER, RENAULT VAUXHALL** (diesel engine): Vectra C/Signum 1.9 l diesel engine, Astra H 1.3 l and 1.9 l, Corsa C / Combo / Meriva 1.3 l
- **VAUXHALL** (petrol): Corsa C, Astra G, Vectra C
- Plastic handle



YouTube Clip



HAZET No.	l mm	EAN-No. 4000896+
4501-1	155	058624

4501 Fuel line pliers

Made in Germany

- Simple operation of quick-release catches



- Application: For use when replacing the fuel filter or performing repair work on the engine
- For e.g. **MERCEDES-BENZ, VW-AUDI, FIAT, VAUXHALL, CITROËN**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Straight design



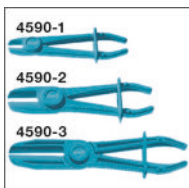
HAZET No.	l mm	EAN-No. 4000896+
4501-2	235	203499

4590 Flexible hose clamp

- For clamping flexible hoses



- Firm fixation with clamp ring
- Made of high-quality plastic



YouTube Clip

HAZET No.	l mm	EAN-No. 4000896+
4590-1	150	021932
4590-2	180	021949
4590-3	253	055753

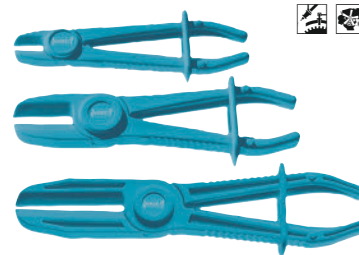
- For heating and fuel hoses up to 15 mm Ø
- For hoses up to 30 mm Ø
- For e.g. cooling liquid hoses up to 60 mm Ø

4590 Hose clamp pliers set

- For clamping flexible hoses



YouTube Clip



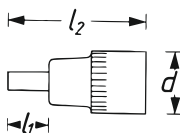
HAZET No.	l mm	EAN-No. 4000896+
4590/3	3	058266

2584 Intake pipe screwdriver socket

Made in Germany



- Application: Intake manifold screw connection
- Extra long design
- With knurling



HAZET No.	S mm	d ₂ mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2584-1	6	23	210	248	017058

4797 Injector extractor

Made in Germany



- Application: For disassembly of tight common rail injectors without removing the cylinder head



YouTube Clip



HAZET No.	l mm	EAN-No. 4000896+
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- For e.g. **MERCEDES-BENZ CDI engines 611, 612, 613** etc.
- Especially suitable for the limited spaces due to the cylinder head cover

4797/2	460	2	121205
4797-1	460	–	121175

4797-2	130	–	121182
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- **External adapter** with inside thread M16 x 1.5 on M27 x 1
- For the removal of **Bosch** injectors with outside thread M27 x 1
- In conjunction with impact extractor 4797-1

- **Operating mode:**
The External Adapter must be used when the Injector Claw cannot be used, either because of the vehicle type or because of the lack of space.
Note: Always replace the injector that has been removed with the External Adapter!

4797-3	50	–	121199
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Specialty tools

Engine – Cooling System / Hose Connection



4797 Thread repair tool set for injector fastening screw

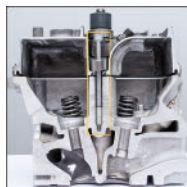
- For **MERCEDES-BENZ** CDI engines. Suitable for reaming the broken-off expansion bolt M6 x 1 from the cylinder head **without** removing the valve cover
- Enormous money and time saving as the replacement of cylinder head and the removing of injectors and valve covers is not necessary
- Damaged thread is reworked to M8 x 1

Contents:

- 1 twist drill 6 mm with spacer sleeve
- 1 tap M8 x 1
- 1 drill sleeve
- 1 step drill 7 to 8 mm with spacer sleeve
- 1 knob for screwing in
- 5 threaded inserts M6 x 1
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



YouTube Clip



HAZET No.	L x W x H mm		EAN-No. 4000896+
4797/10	185x153x52	10	191505

Cooling System / Hose Connection

798 Hose clamp pliers

Made in Germany

- Application: Simple hose clamps, e.g. on washing machines
- Rotating jaws – for areas with restricted access
- Surface: chrome-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798	206	40	031832

Made in Germany

- With locking device, adjustable jaw opening
- Application: Simple hose clamps
- Rotating jaws – for areas with restricted access
- Surface: chrome-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-1	285	45	031900

798 Hose clip pliers

Made in Germany

- Application: Reusable CLIC type hose clips on fuel lines
- For e.g. on **VW, AUDI, VAUXHALL, PEUGEOT and ALFA**
- Open and close easily by turning the pliers by 180°
- Fixed jaws, bent 90°



YouTube Clip

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-2	175	20	051397

798 Hose clamp pliers

Made in Germany

- Application: For clamping multi-use **CLIC-type hose clips**
- **AUDI, VW, OPEL, PEUGEOT, SMART and MERCEDES-BENZ**
- Open and close easily by turning the pliers by 180°
- Surface: nickel-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-3	206	35	102433



798 Hose clamp pliers

Made in Germany

- Application: Self-gripping spring band hose clamps
- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-4	205	35	031948

Made in Germany

- Application: For spring band hose clamps, e.g. on VW, AUDI and VAUXHALL
- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-5	210	6–40	031955

Made in Germany

- Application: For spring band hose clamps, 12 and 15 mm width, 13–22 mm Ø
- Rotating safety jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-6	235	39	031962

Made in Germany

- Self-adjusting joint allows easy working even on spring band hose clamps with large diameter

- Application: For self-gripping spring band hose clamps, 12 and 15 mm width
- With locking device
- Handles with dip coating
- Self-adjusting joint
- Rotating safety jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-8	290	45	076697

798 Hose clamp pliers

Made in Germany

- With locking device

- Application: Especially for spring band hose clamps 12 and 15 mm width e.g. cooling and heating system
- Handles with dip coating
- Rotating jaws, bent 110° – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-9	250	60	072163

Made in Germany

- With locking device

- Application: For spring band hose clamps – especially for 12 mm and 15 mm spring band hose clamps e.g. on VAUXHALL, VW, FORD, RENAULT, FIAT, PEUGEOT, CITROËN, PORSCHE, ALFA-ROMEO, MERCEDES-BENZ, SMART
- Adjustable jaw opening
- Fixed jaws



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-10	320	90	031917

Made in Germany

- With locking device

- Application: Self-gripping spring band hose clamps
- Adjustable jaw opening
- Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-12	320	80	031931



Specialty tools

Engine – Cooling System / Hose Connection



798 Hose clamp pliers

Made in Germany

- For use in areas with restricted access where the clamp cannot be reached straightforwardly

- Application: For the operation of spring band hose clamps whose three ends fit directly on the hose, e.g. on tank ventilation lines and fuel lines on VW, AUDI, SEAT and ŠKODA

- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-13	192	27	155248

Made in Germany

- Application: For the operation of spring band hose clamps whose three ends fit tightly on the hose
- For e.g. on fuel lines and tank ventilation lines on VW, AUDI, SEAT, ŠKODA
- Surface: nickel-plated



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-14	177	8–20	109128

Made in Germany

- Bowden cable (610 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible

- Application: Operation of self-gripping spring band and space-saving hose clamps sb 7–60 mm Ø, e.g. on the cooling and heating systems

- One-hand operation thanks to automatic toothed fixing device

- Newly developed sliding guide device with integrated tension spring and adjustable reversible plate

- Handles with dip coating



798 Hose clamp pliers



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 A	875	7–60	097258
Bowden cable for 798-15 A complete: bowden cable, coating, 2 headless screws, spring			
798-0151 A	–	–	097753
Bowden cable for 798-15 A and B			
798-0152 A	–	–	097760
Sliding guide device for 798-15 A and B			
798-0153 A	–	–	097784

Made in Germany

- Particularly suitable for areas with severely restricted access where the direct application of usual pliers is not possible

- Application: For the operation of self-gripping spring band and space-saving hose clamps on the cooling and heating system

- Plastic-coated, semi-flexible Bowden cable

- The Bowden cable enables working without a guiding hand

- Sliding guide device with integrated tension spring and adjustable reversible plate

- One-hand operation thanks to automatic toothed fixing device

- Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 B	875	7–60	117727
Flexible hose for 798-15 B			
798-0150 B	–	–	142439
Bowden cable for 798-15 A and B			
798-0152 A	–	–	097760
Sliding guide device for 798-15 A and B			
798-0153 A	–	–	097784



798 Hose clamp pliers

Made in Germany

• With reinforced Bowden cable and sliding guide device



- Application: Especially suitable for **hose clamp with parallel clamp ends**, e.g. at the charge-air cooler connection on **VW Passat** or **T5**
- Bowden cable enables application in areas with restricted access
- With toothed fixing device and one-hand operation
- Fixing device is released by pressure lever
- Handles with dip coating



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-16	875	3–50	149032
798-0162	–	–	149056
798-0163	–	–	149063

Made in Germany

- Application: For the operation of self-gripping **space-saving hose clamps** on coolant and fuel hoses in the entire vehicle area, in particular on **VW, AUDI, SEAT, ŠKODA**
- Rotating jaws – for areas with restricted access



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-17	210	40	186068

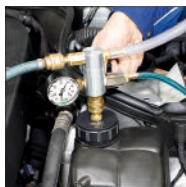
4801 Vacuum radiator filler

Made in Germany



• Suitable together with the single or universal adapters from HAZET radiator tester program 4800 or with cone set 4801-2/3

- Application: Vacuum leakage test before refilling the cooling system
- Bubble-free refilling
- Easy application due to quick-release coupling
- Time-saving, no additional bleeding necessary
- Application possible on almost all types of vehicles
- Including application note



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HAZET No.

EAN-No. 4000896+

4801-1

148806

4801 Cone set for radiator / expansion tank

Made in Germany

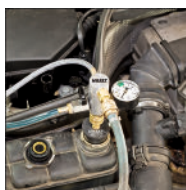


• Universal set suitable for radiator / expansion tank

- Application in conjunction with vacuum radiator filler HAZET 4801-1
- Due to the vacuum generated in the cooling system the rubber cone is stuck firmly in the radiator or expansion tank opening

3-piece set, contents:

3 rubber cones with functional $\varnothing$ 17–31 / 24–39 / 34–50 mm



YouTube Clip

HAZET No.



EAN-No. 4000896+

4801-2/3

3

152407



Diagnostics



Product applications

Classification radiator adapter

hazet.de → The Tool Finder

→ Classification radiator adapter 4800

◀ For Smartphones with QR reader (app)

4800 Radiator tester

Made in Germany



- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicles: www.hazet.de → The Tool Finder → Radiator adapters 4800
- Plastic box
- Application on **AUDI** A2, A3, A4, A5, A6, A7, A8, TT, **VW** Passat, Golf 4, 5, Lupo (1998→), Vento, Jetta, EOS, Bora, T5, **CITROËN** C2, C3, C4, C5, C6, C8, Jumper, Jumpy, **FIAT** Tipo, Tempra, **MERCEDES-BENZ** type 202 / 203 (C-Class), 124 / 210 (E-Class), 129 / 220 (S-Class), 251 (R-Class), 164 (M-Class), **NISSAN** Micra, **VAUXHALL** Vectra C, Astra H, Zafira A, Meriva, Signum, Corsa, **PEUGEOT**, **RENAULT** Safrane, Mégane, Laguna, Twingo, Trafic, Master, **SEAT** Arosa, Córdoba, Ibiza, Toledo, León, **ŠKODA** Octavia, Fabia, Roomster

Set content:

4800-1 4800-2

4800-4 A 6 A 12 A 15 17

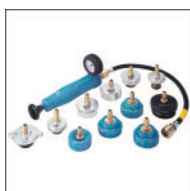


HAZET No.		EAN-No. 4000896+
4800/7	7	132874

Made in Germany



- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicles: www.hazet.de → The Tool Finder → Radiator adapters 4800
- Plastic box
- Set contents:
4800-1 4800-2
4800-3 4 A 5 A 6 A 7 A 8 A 12 A 13 A 17 22 23



HAZET No.		EAN-No. 4000896+
4800/12	12	165483

4800 Cooling pump and adapter

Made in Germany



• Components



HAZET No.	EAN-No. 4000896+
• Cooling pump	
• Quick coupler connection	
• Up to 2.5 bar	
4800-1	022243
• Intermediary piece, flexible hose	
4800-2	022274
• Radiator adapter STANDARD	
• MERCEDES-BENZ Vito, Viano, PORSCHE, FIAT, KIA, MITSUBISHI, SUZUKI Vitara, Samurai	
4800-3	022281
• At the same time, serves as an adapter for HAZET radiator adapter without connecting nipple	
• ALFA ROMEO 147, 164, 166, GT, Mito	
CITROËN C2, C3, C4, C5, C6, C8, Jumper, Jumpy	
DACIA Logan, Sandero	
FERRARI threaded port	
FIAT 500 2009→, Bravo, Doblo, Fiorino, Grande Punto, Idea, Linea, Multipla, Panda, Punto, Qubo, Scudo, Seicento, Tempra, Tipo, Ulysse	
FORD Ka 2009→	
MINI Mini 2008→	
NISSAN Micra	
PEUGEOT 206, 207, 307 2004→, 308, 406, 807 2004→, Expert, Partner	
LAND ROVER Freelander 2,0 DI	
LANCIA Delta, Musa, Phedra, Thesis	
MASERATI threaded port	
RENAULT Avantime, Espace, Master, Mégane, Laguna, Trafic, Twingo	
Volvo 850, 960, C 70 →2007, S 40 →2003, S 60 →2007, S 80 →2007, V 40 →2003, V 70 →2007, XC 90 →2007	
4800-4 A	156504
• VW Golf 2, Transporter T3, AUDI, PORSCHE 986, 987, 996, 997, Cayman, Carrera GT, SMART For Two, Roadster	
4800-5 A	161843
• VW Passat, T4, Lupo 1998→	
SEAT Arosa, Cordoba, Ibiza 1999→,	
SEAT Vario and León until 1998,	
ŠKODA Octavia until 1998	
4800-6 A	161850
• VAUXHALL Agila, Zafira A, DAEWOO/CHEVROLET, FORD Ka, Focus → 2007, Fusion, Mondeo	
MAN Tga, L 2000, CHEVROLET	
4800-7 A	161867
• BMW 3-series → model year 2008, 5-series → model year 2003, 7-series → model year 2001, X3 → model year 2010, X5 → model year 2013	
4800-8 A	161874
• BMW 3-series model years →2000, Z1, Z3, Z4 model years →2013	
ROVER Range Rover	
4800-9 A	161881



4800 Radiator adapter

Made in Germany

Optional extensions for assortments

- Threads exactly adapted to the opening of the expansion tank
- With coupling nipple for connection to the quick coupling connection of the cooling pump 4800-1 or HAZET vacuum radiator filler 4801-1



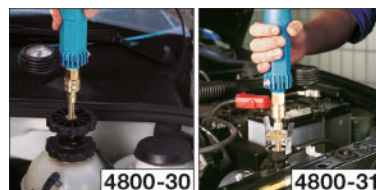
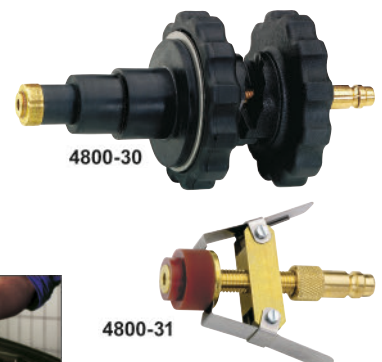
HAZET No.	EAN-No. 4000896+
• Radiator adapters RENAULT	
4800-10	022250
• SMART For Four, FORD, KIA and Japanese cars	
4800-11	022267
• AUDI A1 (2010→), A2, A3, A4, A5 2007→, A6, A8, TT, Q5, Q7, R8, VW Passat B5, Eos, Bora, T5, LT, Golf 4, 5, 6, Vento, Jetta, SEAT Toledo, Leon, ŠKODA Octavia, Fabia since 1998→, Roomster, Superb PORSCHE Cayenne, Panamera	
4800-12 A	161898
• VW Sharan FORD Galaxy SEAT Alhambra	
4800-13 A	161904
• MERCEDES-BENZ type 168, 169 (A-Class), 245 (B-Class), CDI, 220, 129	
4800-14	079018
• MERCEDES-BENZ type 202 / 203 (C-Class) 124 / 210 / 211 (E-Class) and 129 / 220 (S-Class), 164 (M-Class), 251 (R-Class)	
4800-15	079025
• MERCEDES-BENZ SLK, CLK, Sprinter 1999→ type 170, 208, 611, MINI 2001→	
4800-16	098507

4800 Radiator adapter

HAZET No.	EAN-No. 4000896+
• VAUXHALL Vectra C, Astra H, Meriva, Signum, Corsa, Insignia	
4800-17	109661
• MERCEDES-BENZ Sprinter since 2006, Viano since 2003	
4800-18	128815
• VW Crafter	
4800-19	128822
• MAZDA 3, Volvo C30, S40 2004→, V50, FORD Focus 2008→, Fiesta 2008→, C-Max, Galaxy 2006→, Kuga and S-Max	
4800-21 A	162185
• CITROËN C1, DAIHATSU Cuore L201, L501, Move L601, MAZDA 121, Demino, MITSUBISHI Grandis 2004→, L400, Pajero Pinin / Sport, Space-Gear, -Runner, -Wagon, PEUGEOT 107 2006→, ROVER 600, SUBARU B9 Tribeca, Justy, SUZUKI Alto, TOYOTA Aygo 2006→, Celica, Corolla, Rav 4, Starlet, Yaris	
4800-22	144266
• DAIHATSU Standard, HONDA Accord, Civic, Legend, HYUNDAI, ISUZU, KIA, MAZDA 323, 626 until 2002, 6, MX5, Premacy since 2000, RX8, MITSUBISHI Carisma, Eclipse, Galant, Lancer, Outlander, Pajero, Sigma, Spacewagon D since 2003, NISSAN 350Z, Almera, Maxima, Micra until 2004, Terrano 2, X-Trail, TOYOTA Avensis, Carina E, SUZUKI Baleno, Wagon-R, SUBARU Forester, Impreza, Legacy, Outback, VAUXHALL Agila 1.0 and 1.2 l and SMART Forfour	
4800-23	144273
• For BMW: 1 Series (E87/F20), 2 Series (F22), 3 Series (F30), 3 Series GT (F34), 4 Series (F07), 5 Series model year 6/2003 → (E60/F12), 6 Series model year 2004 → (E63/F12), 7 Series (E65/F01), X1 (E84), X3 model year 2010 → (F25), X4 model year 2013 → (F26), X5 model year 2013 → (F15), X6 (E71), Z4 model year 2013 → (E89)	
4800-24	203864

4800 Universal adapter

Made in Germany



HAZET No.	EAN-No. 4000896+
• For radiator openings Ø 20–41 mm	
• With 3-stage rubber for rough and precise adjustment	
4800-30	078202
• Especially for Japanese vehicles Ø 18–24 mm	
• With clamp fastening	
4800-31	078196

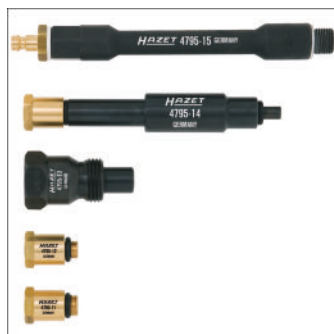


4795 Engine leakage tester

Made in Germany

- Easy application, immediate test result

• Application: For the diagnosis of engine defects, e.g. on inlet and exhaust valves, pistons/piston rings and cylinder head/cylinder head gasket



HAZET No.	EAN-No. 4000896+
4795-1	083770
• Adapter for motorcycles	
• Thread M12 x 1.25 (male thread)	
4795-11	083787
• Adapter for motorcycles and diesel engines	
• Thread M10 x 1 (male thread)	
4795-12	083794
• Adapter for diesel engines	
• Thread M24 x 2 (male thread)	
4795-13	083800
• Adapter for VW diesel engines including 4795-11	
• Pin Ø 7 mm	
4795-14	083817
• Adapter for multi-valve engines M 14 x 1.25	
• Length 165 mm	
4795-15	104345

4810 C Optical tester

Made in Germany

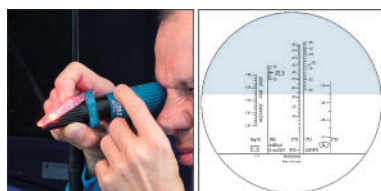
- (Refractometer) – Also suitable for G12++, G13, AdBlue

• Application: For testing the anti-freeze concentration in the cooling water, (also suitable for cooling fluids G12++ and G13),
For testing the quality of AdBlue solution
For testing the battery acid concentration (state of battery charge)

- Optical tester (refractometer) with integrated lighting (LED) in the lid
- Incl. pipette and operating instructions

Description of scales:

- A – state of charge
- B – AdBlue concentration
- C – anti-freeze concentration
- D – screenwash anti-freeze concentration
- 5 – Light/dark line for reading the scale



HAZET No.	EAN-No. 4000896+
4810 C	186402

4800 Cylinder head leakage tester

Made in Germany

- For radiator adapter HAZET 4800

• Application: For the safe detection of cylinder head damage and leakages between the combustion chamber and the cooling system on water-cooled combustion engines **gas, diesel, petrol**

- Reaction fluid included



HAZET No.	EAN-No. 4000896+
4800-41	058891
• Reaction fluid (250 ml)	
4800-041	108985

4793 Cylinder head tightness tester

Made in Germany

- Application: For the detection of cylinder head gasket defects, leaks between the combustion chamber and the cooling system
- For water-cooled combustion engines (gas, diesel and petrol)
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



HAZET No.	L x W x H mm		EAN-No. 4000896+
4793/3	320x128x58	3	076192
• Tester			
4793-1	–	–	076185
• Reaction fluid (250 ml)			
4793-2	–	–	076208
• Flushing fluid (250 ml) for cleaning the tester 4793-1			
4793-3	–	–	076215

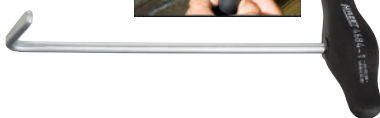


Exhaust System / Lambda Probe

4684 Exhaust equipment tool

- Hook 40 mm, bent 9°

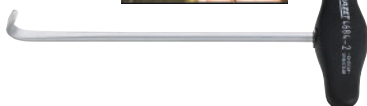
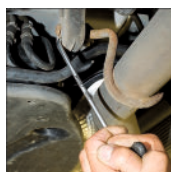
- Application: Installation and removal of rubber retainers of the exhaust systems e.g. for **FORD** Fiesta, Orion, Escort, **BMW** etc.
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4684-1	209	022199

- Hook 17 mm, half-round, 20° offset

- Application: For installing and removing rubber retainers of the exhaust systems on e.g. **VW**, **AUDI**, **MERCEDES-BENZ**, **VAUXHALL**, Japanese cars, etc.
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4684-2	209	022205

4682 Chain tube cutter

- Easy adjustment due to T-screw during cutting process

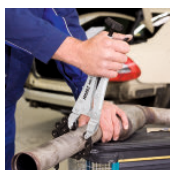
- Application: For cutting e.g. exhaust pipes especially made from **V2A** steel up to a wall thickness of 2.5 mm and 75 mm Ø
- Extended cutting diameters are achieved by using extension chain HAZET 4682-01
- Little effort, fixed with **Grip technique**
- Surface: nickel-plated



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
4682	15–75	255	022168
Replacement set (9 pieces) for cutting chain 4682-01			
4682-01/9	–	–	057214

- Easy adjustment due to T-screw during cutting process

- Application: For cutting pipes made of galvanized or stainless (V2A) steel, copper, PVC and aluminium up to a wall thickness of 6 mm and 115 mm Ø
- 15 cutting wheels made of alloyed steel
- Surface: nickel-plated



4682 Chain tube cutter

HAZET No.	Ø mm	l mm	EAN-No. 4000896+
4682-1	20–115	315	149384
Spare chain for 4682-1			
4682-03	–	–	149421

4680 Lambda probe socket

Made in Germany

- For lambda probes on **NISSAN**, **FORD**, **VOLKSWAGEN**, **SEAT**, **ŠKODA** etc.
- Optimal fit to the 6-point profile of the lambda probe
- Long design
- Surface: chrome-plated



HAZET No.	S mm	d _i mm	l mm	EAN-No. 4000896+
4680-1	22	30.4	92	165605

Made in Germany

- Application: For lambda probe (s 22 mm) on **MERCEDES-BENZ**
- Long design
- Surface: chrome-plated



HAZET No.	S mm	d _i mm	l mm	EAN-No. 4000896+
4680-2	22	36	110	022090

Made in Germany

- Choice of □ drive 12.5 = 1/2" or ● 32 mm

- Application: For lambda probe (s 22 mm) on **VW**, **AUDI**
- Long design
- Surface: chrome-plated



HAZET No.	S mm	d _i mm	l mm	EAN-No. 4000896+
4680-3	22	41	110	022106

Made in Germany

- Application: Installation and removal of the lambda probe (s 22 mm)
- On e.g. **FORD**, **BMW**, **VAUXHALL**, **VW**, **AUDI**, **SEAT** and **ŠKODA**
- Double □ drive 12.5 = 1/2" or operation with hexagon drive s 30 mm
- Blister packed
- Surface: phosphatised, oiled



YouTube Clip



HAZET No.	S mm	EAN-No. 4000896+
4680-5	22	057870



Specialty tools

Gearbox



Gearbox

2174 Clutch centring tool

- No need to centre the clutch plate over the needle bearing



- Application: For the accurate centring and installation of the clutch plate to the clutch pressure plate
- Quick and easy installation
- Also suitable for vehicles **without** clutch guide bearings
- For passenger cars and lightweight commercial vehicles
- With 2 collets:
 - size 1 = 15-21 mm $\varnothing$
 - size 2 = 21-28 mm $\varnothing$
- Plastic with metal tightening screw



HAZET
No.

EAN-No.
4000896+

2174

013609

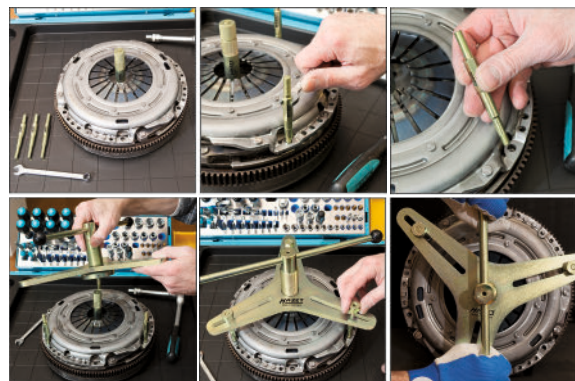
2174 SAC clutch alignment tool (3-hole division)

Made in Germany



- Easy change from 3-hole to 4-hole pressure plate

- Application: Professional installation and removal of self-adjusting SAC clutches e.g. on **VW, AUDI, BMW, FORD, MERCEDES-BENZ, VAUXHALL, RENAULT, Volvo**
- With centring option of the clutch
- Prevents tensions in the clutch
- Optimal usage for a damage-free working on the SAC clutch
- Avoids malfunctions such as bad separating, slipping or judder
- High-quality surfaces prevent damage to tools
- Components and spare parts available
- Option for storage of the supplementary set 2174-2/5 for e.g. **MERCEDES BENZ**, type 169, model years 2004→ (A-Class)
VAUXHALL Insignia
- Includes detailed operating instructions
- Plastic box
- Soft foam insert, extendable
- SAC clutch alignment tool set, contents:
 - 2174-08 012 014 015 016 017
 - 018 019
 - 2174-6 7 8 9 10 11 13 15
 - (3x)
 - 2174-15x23 15x26.5 15x28 15x34
 - 2174-16 17 18 19
 - 2174-171 172



HAZET
No.



EAN-No.
4000896+

2174-1/34

34

174591

2174 Supplementary set SAC clutch alignment tool (4-hole division)

Made in Germany



- For SAC Clutch Alignment Tool Set 2174-1/34

- 4-hole pressure plate necessary for e.g. **MERCEDES BENZ**, type 169 2004→ (A-Class)
VAUXHALL Insignia
- High-quality surfaces prevent damage to tools
- Easy storage in tool set case 2174-1/34
- Supplementary set SAC clutch alignment tool, contents:
 - 2174-6 7 8 14 15



HAZET
No.



EAN-No.
4000896+

2174-2/5

5

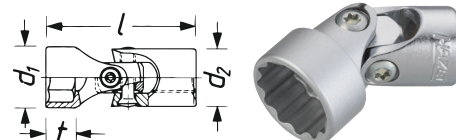
174607

880 GZ Universal joint socket (12-point)

Made in Germany



- Application: Operation of gearbox fitting (12-point screws) on **AUDI** vehicles model year 2008 → e.g. A4, A5, A6, A7, A8, Q5, Q7
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished



HAZET
No.

S

mm

d_1

mm

d_2

mm

l

mm

EAN-No.
4000896+

880 G-Z 16

16

22

19

45.8

203734

880 G-Z 18

18

24.5

19

46.8

203529

2756 Screwdriver socket

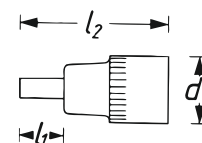
Made in Germany



- Blade length of the **TORX**® screwdriver socket is precisely adapted to the available spatial conditions, screwing in a linear motion is thus achieved and the socket is not in direct contact with the cardan shaft flange

- Application: Operation of the cardan shaft screw connection on the gearbox of **MERCEDES-BENZ** GLC (X253) model years → 2015, GLC Coupé (C253) model years → 2016 with 4Matic

- With locking ball
- Surface: TITAN



HAZET
No.

l_1

mm

l_2

mm

d_1

mm

d_2

mm

EAN-No.
4000896+

2756-T 60

65

103

24.6

13.25

204243



Oil service

Overview of oil filter wrench

HAZET No.	Design Points / Grooves	Oil filter $\varnothing$ mm	Oil filter wrench $\varnothing$ mm	Insert Depth Wrench mm	Total height mm	Drive		Page
						$\varnothing$ mm	$\square$	
2168-6	6-Point	109.5	117.5	65	77	—	$10 \frac{3}{8}$	398
2168-46	6-Point	46	59	15	29.5	—	$10 \frac{3}{8}$	398
2169	14-Point	74.4	82	30	52	27	$10 \frac{3}{8}$	398
2169-1	15-Point	92	102	19	48	27	$12 \frac{1}{2}$	399
2169-5	18-Point	135	148	41	57	24	$12 \frac{1}{2}$	456
2169-6	16-Point	86.7	97	44.5	55.5	24	$12 \frac{1}{2}$	399
2169-7	14-Point	64	76	23	43	24	$12 \frac{1}{2}$	399
2169-9	15-Point	105	119	36	52	24	$12 \frac{1}{2}$	456
2169-10	14-Point	74	82	20	42	27	$10 \frac{3}{8}$	399
2169-11	14-Point	84	97	30.5	48.5	24	$12 \frac{1}{2}$	399
2169-32	6-Point	32	43	18	30	—	$10 \frac{3}{8}$	456
2169-36	6-Point	36	49.5	15.2	29.5	—	$10 \frac{3}{8}$	456
2169-66	6 Grooves	66	76	23.5	43.5	24	$12 \frac{1}{2}$	399
2169-76	6 Grooves	76	85	21	42	24	$12 \frac{1}{2}$	399
2169-76 K	6 Grooves	76	85	14.5	34	24	$12 \frac{1}{2}$	399
2169-86	9 Grooves	86	97	24.5	44	24	$12 \frac{1}{2}$	399



Product applications

Oil service
hazet.de → The Tool Finder
 → Oil service
 ◀ For Smartphones with QR reader (app)

2168 Fuel filter wrench

Made in Germany

- For the damage-free operation of the housing cover of the fuel filter unit when changing the fuel filter

Application: E.g. on FIAT/ALFA/LANCIA with 1.3 l – 1.9 l – 2.4 l diesel engines as well as VAUXHALL Vectra C/Signum 1.9 l diesel, Astra H 1.3 l and 1.9 l diesel, Corsa C/Combo/Meriva 1.3 l diesel engines

- drive 10 = $\frac{3}{8}$ "

- Ø 109 mm with 6 grooves

- Notice:** The torque value for the housing cap recommended by the car manufacturers may be reached when using e.g. the HAZET Torque Wrench 6110-1 CT



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
2168-6	117.5	149070

2168 Ad-Blue® filter wrench

Made in Germany

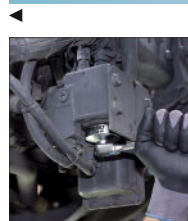
- For the operation of the filter housing cap when replacing the AdBlue® filter (urea solution filter) on MERCEDES-BENZ-commercial vehicles with BlueTec® engines e.g. Actros, Atego, Axor, Econic

- The torque value recommended by the vehicle manufacturer (please consider manufacturers' instructions) is reached e.g. with the torque wrench HAZET 6110-1 CT

- Ø 46 mm



2168 Ad-Blue® filter wrench



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
2168-46	59	156252

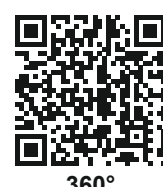
2169 Oil filter wrench

Made in Germany

- Application: For the operation of oil filters and oil filter housing caps

- 14-point ≤ 74.4 mm

- drive 10 = $\frac{3}{8}$ " or outside hexagon 27 mm



360°

HAZET No.	$\varnothing$ mm	$\varnothing$ mm	EAN-No. 4000896+
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- For MANN, KNECHT and VAUXHALL Longlife filters e.g. for MERCEDES-BENZ passenger cars with 2.2 l CDI-engine, M 102, M 103, M 104, M 110, M 111, M 119, M 120, M 613, Sprinter 2.2 l Turbo 2006→, AUDI A4 2.0 2002→, A4 4-cyl. petrol engines 12/2007→, BMW passenger cars, BMW-motorcycles, K-models = K 75-1100 LT, new series F and K VW Passat 1.9 TDI pump-nozzle injection, Passat B7 1.4 · 1.8 · 2.0 l TSI, Golf Plus 2.0 2005→, Golf 6 1.6 l and 1.2/1.4/1.8/2.0 TSI, Golf 7 1.2–1.4 TFSI, Polo 5 1.2 l – 1.4 l TSI, Tiguan 2007→ 1.4 l TSI (110kW) 2.0 l TSI as well as FORD, VAUXHALL, PORSCHE, PEUGEOT, CITROËN, RENAULT, NISSAN, TOYOTA, MAZDA etc.

2169	82	27	013340
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Specialty tools

Oil service



2169 Oil filter wrench



HAZET No.	Ø mm	mm	EAN-No. 4000896+
2169-10	82	27	108831

- For the operation of the **oil filter housing cap** when changing the oil filter element on **MAZDA 3** with 2.0 l engine and 6 with 1.8–2.0–2.3 l engines
- Flat style: **continuous 14-point profile up to the edge**

Made in Germany

- Optionally ☐ drive 12.5 = 1/2" or outside hexagon 27 mm

- Application: For the operation of **oil filters (KNECHT and MAHLE filters) 15-point s 92 mm**

- For e.g. **VW, AUDI** Passat 1.9 TDi, 2.8 l, **CHRYSLER** 300 M, **PORSCHE, VAUXHALL, RENAULT**, **FORD** Focus 1.8 Di since 08/1999, 1.8 TDi since 10/1998, Maverick 2.7 TD, Mondeo 2.5 l, **MITSUBISHI, NISSAN, ALFA-ROMEO, HONDA, Volvo** etc. **MAN** (commercial vehicles) F 2000



HAZET No.	Ø mm	mm	EAN-No. 4000896+
2169-1	102	27	013357

Made in Germany

- Application: For the operation of oil filters and oil filter housings made of plastic
- ☐ drive 12.5 = 1/2" or outside hexagon 24 mm



HAZET No.	Ø mm	mm	EAN-No. 4000896+
2169-6	97	24	100293

- For the operation of **oil filter housings** made of plastic
- **16-point s 86 mm**
- For e.g. **BMW** 316i Limousine Touring, 316ti Compact, 318Ci Cabrio, Coupé, 318i Limousine Touring, Compact 2001→, 1-series (E87): 116i, 118i, 120i, 130i
- **Volvo** V40, V70, S40, S60, S70, S80

2169- 6 97 24 100293

- For the operation of **oil filters 14-point s 64 mm** on **TOYOTA** Yaris, Corolla, MR2 →1999, Starlet, Celica, Avensis, **NISSAN** Micra, Almera, **MAZDA** 323, 626, MX-5, Xedo, **SMART** ForFour (type 454) engine 134, 135, **SMART** Fortwo (type 451) engine 132, as well as **SUBARU, SUZUKI, DAIHATSU**

Also suitable for **YAMAHA** Super Ténéré XT1200 z, YZF-R1 2007→, YZF-R6 2006→, FZ1-S 2006→, FZ1-N 2006→, FZ6-S 2007→, FZ6-N 2007→

2169- 7 77 24 100224

- **14-point s 84 mm**

For the operation of plastic **oil filter housings** e.g. on – **MERCEDES-BENZ** V6 diesel engines OM642 among others for 164 · 203 · 204 · X204 · 210 · 212 · 639

2169-11 97 24 118847



Made in Germany

- Application: For the operation of **Purflux oil filters**

- ☐ 12.5 = 1/2" or outside hexagon 24 mm

2169-76 K

2169-76

2169 Oil filter wrench



HAZET No.	Ø mm	mm	EAN-No. 4000896+
2169-66	76	24	100217

- **s 66 mm groove profile (6 grooves)**

- **RENAULT** Clio, Twingo (also operation of the oil filter housing cap), Kangoo, **FIAT** Punto, Stilo, Brava, Bravo with 1.2 l, **LANCIA** Y 1.2 l, **MAZDA** 323, 626, MX 3, Xedos, **MITSUBISHI** Colt, Carisma, Space Star, **NISSAN** Micra, Primera, Serena, **TOYOTA** Yaris, Starlet, MR 2, Corolla, Carina, Avensis

- **s 76 mm groove profile (6 grooves)**

- For e.g. **AUDI** A3, A4, A6, **CITROËN** C5, Xantia, **DACIA FIAT** Brava, Bravo, Punto, Tipo, **FORD** Fiesta, Escort, **MERCEDES-BENZ** passenger cars and Sprinter, e.g. Citan 1.5 l diesel, **PEUGEOT** 106, 206, 306, 406, **RENAULT** Clio, Kangoo, Mégane, Laguna, Rapid, **HONDA** Accord, Civic, Prelude, CRX, **VAUXHALL** Astra G/F, Corsa A/B, Calibra, Zafira, Frontera, **SUZUKI** Grand Vitara 1.9D model year 2009 **VW** Golf 3 and 4, Polo, Passat, Sharan, **SEAT** Alhambra, Toledo, León, Córdoba, **SKODA** Octavia

for **fuel filters** e.g. for **RENAULT** Espace, Laguna, R19, **Volvo** S 40 and V 40 until 1999

2169-76 85 24 100309

Especially for BMW motorcycles

- **s 76 mm groove profile (6 grooves), reduced height**

- For new **BMW** motorcycles R1200 GS, R1200 R, R1200 RT, R1200 ST, model year 2004→2012

2169-76 K 85 24 158188

- **s 86 mm groove profile (9 grooves)**

- For e.g. **ALFA** 145, 146, 156 1.9 JTD, 156 2.4 JTD, **VW** Golf 3, Sharan, Vento, Passat with TDi engine, Lupo, Polo 1.7 SDi, **AUDI** A4, A6 with TDi engine 85 KW/115 PS, **FIAT** Bravo and Brava 1.9 JTD, **RENAULT** Clio, R 19 with 1.4–1.7 and 1.8 l, Mégane 1.4 and 2.0 l, Rapid with 1.9 D, Laguna, Safrane and Espace III with 2.1 D, **SEAT** Alhambra, 1.9 TDi, Arosa 1.7 SDi, **SUZUKI** Grand Vitara 1.9 DDIS

for **fuel filters** e.g. **MERCEDES-BENZ** Vito, Sprinter, A-Class (type 168), C-Class (type 202), E-Class (type 210)

2169-86 97 24 100323

2169 Oil filter wrench set

Made in Germany

- For the operation of oil filters and oil filter housings made of plastic

- Fast application, safe, appropriate and clean working
- The torque value recommended by the vehicle manufacturer can be safely achieved, e.g. with the torque wrenches HAZET 6110-1 CT (10 = 3/8") and HAZET 6121-1 CT (12.5 = 1/2")

- **Caution:** Follow vehicle manufacturer's specifications concerning torque values

- Oil filter wrench set, contents:
2169 2169-1 2169-6
2169-36 2169-76 2169-86



HAZET No.	mm	EAN-No. 4000896+
2169/6	6	120628



2170 Universal strap wrench

Made in Germany

- Especially for oil filter, generator and other round screwed connections
- Cotton textile tape, rubber coated
- Non-skidding
- Surface: chrome-plated



HAZET No.	Ø mm	EAN-No. 4000896+
2170	80–180	013371

2171 Oil filter wrench

Adjustable by turning knob or 6-point 13 mm



- Application: For removing oil filters even in areas with restricted access
- Replaceable steel strip (12x1 mm)



HAZET No.	Ø mm	EAN-No. 4000896+
2171-5	65–105	013449
2171-6	105–145	013456

2171 Oil filter chain wrench

Made in Germany

- Operation even in areas with restricted access



- Application: For removing oil filters on commercial vehicles with compressed air dryers
- Operation of the granulates cartridge on compressed air dryers
- With chain



YouTube Clip

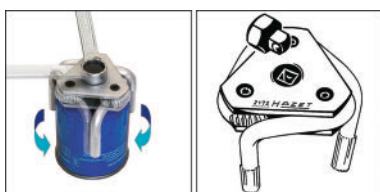


HAZET No.	Ø mm	EAN-No. 4000896+
2171-8	50–150	013463

2172 Oil filter wrench

Made in Germany

- For oil filters in areas with restricted access
- Left-hand and right-hand operation
- Universal application
- □ drive 10 = 3/8" or ● 19 mm
- Forged design
- Surface: galvanised



HAZET No.	Ø mm	EAN-No. 4000896+
2172	65–115	013470

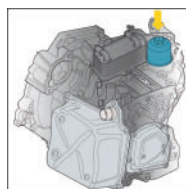
2169 Oil filter wrench for DSG gear oil change

Made in Germany

- For operation of the oil filter housing cap when changing the oil filter insert on the DSG gearbox



- For VW and group vehicles
- No removal of batteries or battery holders, new "training" of various electronic memories therefore not necessary (time saved: approx. 30 min.)
- VW specification: DSG oil change within the inspection intervals



HAZET No.	S mm	l mm	EAN-No. 4000896+
2169-24	24	136	199044

Made in Germany

- Special short style for models with Common Rail Engine



- For VW and group vehicles
- No removal of batteries or battery holders, new "training" of various electronic memories therefore not necessary (time saved: approx. 30 min.)
- VW specification: DSG oil change within the inspection intervals

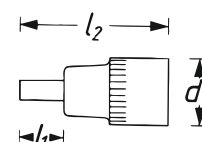


HAZET No.	S mm	l mm	EAN-No. 4000896+
2169-24 B	24	101	201655

2527 Ball-head screwdriver socket

Made in Germany

- Application: For oil pan screw connection (s 5 mm) on VW, AUDI, SEAT, ŠKODA



HAZET No.	S mm	d2 mm	l1 mm	l2 mm	EAN-No. 4000896+
2527-5	5	19	200	227	016303



Specialty tools

Oil service



2528 Oil pan joint socket

Made in Germany

- Application: Oil pan screw connection (s 10 mm)
- With rotary pin
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated

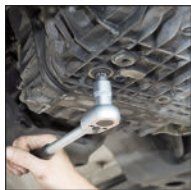


HAZET No.	S mm	l mm	EAN-No. 4000896+
2528-10	10	250	016327

2567 Oil service screwdriver socket

Made in Germany

- Application: Gearbox oil change (XZN screw with journal guide)
- AUDI A2, A3, A4, A6, TT, VW Passat B5, Golf 4, LT, T4, T5
- ŠKODA Fabia, Octavia, Superb
- PORSCHE Boxster with gearbox
- FORD Galaxy 1.9 TDi with 6-speed gearbox
- With knurling
- Surface: chrome-plated



YouTube Clip

HAZET No.	M	l mm	EAN-No. 4000896+
2567-16	16	60	016419

2528 VAG oil drain plug special screwdriver bit

Made in Germany

- For installing and removing the plastic oil drain plug with special profile on oil pans made of plastic



- AUDI SEAT ŠKODA VW model year 2013 with 1.2 · 1.4 · 1.8 · 2.0 TFSI petrol engines
- AUDI A1, A3, A4, A5, Q5
- VW Golf 7
- SEAT Leon, etc. with 1.6 and 2.0 l diesel engines



HAZET No.	l mm	EAN-No. 4000896+
2528-1	35	201372

2760 Oil service wrench

Made in Germany

- For oil filler screw on M 8 gearbox
- Inside hexagon 14 mm
- Outside hexagon 17 mm
- Surface: chrome-plated



2760-2



HAZET No.	S mm	l mm	EAN-No. 4000896+
2760	14x17	237	017638
2760-2	13x14	287	017652

3703 Oil service wrench

Made in Germany

- For the oil filler and oil drain plug gearbox, differential, oil pan on various French passenger cars
- 8 and 10 mm outside square
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
3703	8x10	233	018932

3702 Oil service screwdriver socket

Made in Germany

- For the oil filler and oil drain plug gearbox, differential, oil pan
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
3702	8	36	018918
3702-1	10	36	018925

4618 Oil service wrench

Made in Germany

- For the oil filler and oil drain plug on gearbox, differential, oil pan e.g. on FORD
- With different squares 8.7 9.5 10.5 11.5 13 6.8 15.2 16.5 19.7
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4618	218	021994

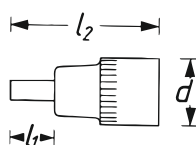


Brakes

2584 Brake calliper screwdriver socket

Made in Germany

- Application: For the operation of the brake calliper screws at the rear axle ($s \leq 8 \text{ mm}$) on: **AUDI TT** since 2007, **A4** since 2001, **A6** since 2005, **A8** since 2003
- For controlled screw tightening, use a torque wrench with $10 \text{ mm} = \frac{3}{8}"$ drive, e.g. HAZET 6110-1 CT
- With fix blade (size 8 mm) for inside hexagon screws

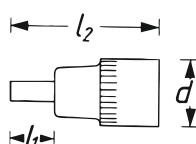


HAZET No.	S mm	d ₂ mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2584-8	8	19	6.6	24	149438

2784 Brake calliper screwdriver socket

Made in Germany

- Application: For the operation of the guide bolts $s \leq 7 \text{ mm}$ at the rear brake callipers on **MERCEDES-BENZ** type 204 (C-Class)
- For controlled screw tightening, use a torque wrench with $10 \text{ mm} = \frac{3}{8}"$ drive, e.g. HAZET 6110-1 CT
- With fix blade (size 7 mm) for inside hexagon screws

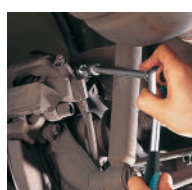


HAZET No.	S mm	d ₂ mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2784-1	7	19	6.6	24	148530

2901 G Brake calliper joint socket

Made in Germany

- Application: For rear brake calliper ($s \leq 7 \text{ mm}$) on **BMW** 3, 5 and 8-series as well as on **VAUXHALL**
- With hinge – for working in areas with restricted access and for getting around obstructive edges



HAZET No.	S mm	l mm	EAN-No. 4000896+
2901 G-7	7	48.5	051816

Application Chart for HAZET No. 4968 brake bleeding wrenches

	S mm				
BMW	7				
CITROËN		8	9		
DAIHATSU		8			
FIAT	7	8			
FORD	7	8	9	10	11
HONDA		8		10	
MAZDA		8			
MERCEDES-BENZ			9		11
MITSUBISHI				10	11
NISSAN				10	11
OPEL			9		
PEUGEOT	7	8	9	10	11
RENAULT	7	8	9		11

4968 Brake bleeding wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
4968 • ●		
7 • 8 • 9 • 10 • 11		
4968/5	5	086535

4968 Brake bleeding wrench

Made in Germany

- Equal hexagon size on both sides



- Application: For **brake bleeding without dismounting the wheels**, replacement of wheel brake cylinder, master brake cylinder and tube connections
- Bent and offset
- Surface: chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
4968- 7	7	190	085705
4968- 8	8	208	085699
4968- 9	9	208	085682
4968-10	10	236	085712
4968-11	11	236	085729



Specialty tools

Brakes



4963 Specialty tool for brakes

Made in Germany

• Push and turn-part with carbide coating layer in the front working area

• Application: Installation and removal of the spring plate and the holding device of the brake linings on drum brakes

• On e.g. **VW, SEAT, ŠKODA, VAUXHALL and RENAULT** with rear drum brakes

• Plastic handle

• Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4963-1	237	050383

4964 Assembly tool

• Hook with T-handle

• Application: For installing and removing the **draw spring of hand brake shoes** (rear disc brake)

• On e.g. **MERCEDES-BENZ** passenger cars with rear disc brakes as well as on **VW Crafter** model year 2006 → and LT

• Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4964-1	162	055708

2191 Tube flaring tool set

Made in Germany

• For metal tubes and pipes with a wall thickness of 0.7 and 1.0 mm pipe $\varnothing$ 4.75–10 mm

• Application: For making open (F) or twin flares (E) according to DIN 74234, standard 90° and 180° flares

For flares on rolled and drawn pipes

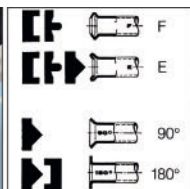
• With replaceable hinged gripping jaws

Note: For plastic-coated brake lines use HAZET 2193/4 K!

• Special cast steel

• Sheet metal box (HAZET-blue)

• 2-component soft foam insert



2191 Tube flaring tool set



2181 N-1



2191-1



2191
2191-4 • 2191-5
2191-6 • 2191-8
2191-9 • 2191-10



2191



2191-2



2191-3



2191-90

HAZET No.	L x W x H mm		EAN-No. 4000896+
2191/12 K	290x173 x 50	12	013890

2191 Basic unit

Made in Germany

• For receiving the gripping jaw 2191-1



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
2191	4.75–10	013784

2191 Gripping jaw

Made in Germany

• For receiving in basic unit 2191

• For E and F-flares

• 4.75 up to 10 mm



HAZET No.	mm	EAN-No. 4000896+
2191-1	4.75–5–6–8–9–10 mm	013791

2191 Tube deburring tool

Made in Germany

• For tubes with outside $\varnothing$ of 4-32 mm

• Application: For tube deburring



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
2191-2	4–32	013814

2191 Base block

Made in Germany

• For E, F and 180° flares

• 4.75 up to 10 mm



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
2191-3	4.75–10	013821



2191 Thrust block

Made in Germany

- For E and F-flares
- Surface: burnished, oiled



HAZET No.	Ø mm	EAN-No. 4000896+
2191- 4	4.75	013838
2191- 5	5	013845
2191- 6	6	013852
2191- 8	8	013869
2191- 9	9	013876
2191-10	10	013807

Made in Germany

- For E and 90°, 180° flares 4.75 to 10 mm
- Surface: burnished, oiled



HAZET No.	Ø mm	mm	EAN-No. 4000896+
2191-90	4.75-10	(3/16" - 3/8")	013883

2193 Tube flaring tool set

- Application: Especially for **plastic-coated brake lines 4.75 mm** Ø
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



2181 N-1



2193-2



2193-1



2193 A

HAZET No.	L x W x H mm	HAZET No. 4000896+
2193/4 K	290 x 173 x 50	4 014088

2193 A Tube flaring tool

Made in Germany

- Especially for F-flares on plastic-coated brake lines Ø 4.75 mm



- Lightweight and easy to handle
- May be clamped into a machinist's vice, also allows manual operation under vehicles



2193 A Tube flaring tool



HAZET No.	Ø mm	EAN-No. 4000896+
2193 A	4.75	142538

2193 Replacement thrust block

Made in Germany



- Replacement thrust block with dowel pin for tube flaring tool 2193 A

HAZET No.	EAN-No. 4000896+
2193/02	014071

2193 Bending tool

Made in Germany

- Application: For bending brake lines with 4.75 mm Ø



HAZET No.	Ø mm	EAN-No. 4000896+
2193-1	4.75	014057

2193 Tube deburring tool

Made in Germany

- Application: For inside and outside deburring of tubes



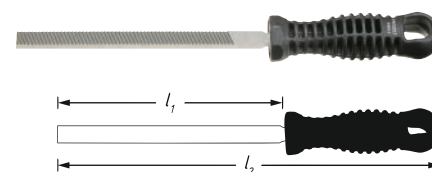
HAZET No.	Ø mm	EAN-No. 4000896+
2193-2	4.75	014064

4968 Brake calliper file

- **Extra slim style (width 10 mm), especially appropriate for Japanese vehicles**



- Application: For the removal of stubborn brake dust, rust and dirt from the brake calliper
- With integrated **blunt scraper** at the face side for removing crude residues



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
4968-5	155	265	129379



Specialty tools

Brakes



4968 Brake calliper brush

Made in Germany

• Slim design

- Application: For the removal of stubborn brake dust and dirt from the disc brake calliper
- Plastic handle with suspension hole



HAZET No.	l mm	EAN-No. 4000896+
4968-2	225	084821

4968 Brass brake calliper brush

Made in Germany

• Soft brass bristles facilitate damage-free cleaning

- Application: For cleaning aluminium brake callipers
- Slim design – allows working in areas with restricted access
- Plastic handle with suspension hole

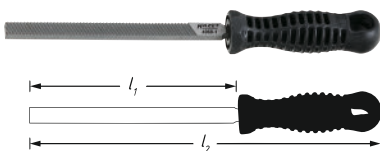


HAZET No.	l mm	EAN-No. 4000896+
4968-3	225	089147

4968 Brake calliper file

• One-sided cut prevents damage to the dust boot at the brake piston

- Application: For the removal of stubborn brake dust, rust and dirt from the disc brake calliper
- 12 mm wide
- Cut of the file: coarse, bevel cut on one side
- With integrated blunt scraper at the face side for removing crude residues
- Plastic handle



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
4968-1	165	275	084739

2582 Brake adjusting lever

Made in Germany

- Application: For adjusting of drum brake shoes with eccentric
- For adjusting handbrakes with excenter
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
2582	304	017027

2730 Hand brake tool

- Application: Retaining springs of the hand brake shoes (rear disc brakes)
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
2730	142	017423

4954 Brake fluid tester

- Application: Checking the brake fluid
- **User guidance in 7 languages** on the display: D, GB, F, E, NL, P, TR
- **Portable** (for everywhere use) – to be connected to battery, replaces a stationary installation
- **Boiling point tester** – higher testing accuracy in comparison to other testing methods
- **Easy application** – in most vehicles, brake fluid remains in its fluid reservoir
- **Time saving** – the test can be carried out directly in the fluid reservoir
- **Security for the user** – no fluid loss (environmentally sound)
- Approved by vehicle manufacturers
- Approved by TÜV Austria
- **DOT 3, DOT 4, DOT 5.1 brake fluid**
- Measuring temperature up to 320° C (608° F)
- Operating voltage 12 V



HAZET No.	EAN-No. 4000896+
4954-1	129201

4956 Calliper gauge for brake discs

Made in Germany

• With crowned measuring surfaces

- Application: Measure the thickness of the brake discs (wear/abrasion of the brake disc) – follow the vehicle manufacturer's instructions –
- With fixing screw and sliding vernier (vernier 1/10)
- In leather case
- For passenger cars and motorcycles
- Measuring range up to 60 mm
- Jaw length 75 mm



HAZET No.	EAN-No. 4000896+
4956-1	073160

4968 Brake test tool set

• **Micrometer screw for exact determination of the thickness of the brake disc**

- Application: For checking the lateral run-out of the brake disc
- Precision dial gauge for checking the lateral run-out
- Hinged bracket with magnetic base as mounting and for an exact positioning of the dial gauge on the vehicle
- Plastic box
- Soft foam insert



2155 N-25



2155

2155-60 • 2155-65



HAZET No.		EAN-No. 4000896+
4968/3	3	149179



4968 Universal brake tool set

- Extensive tool set for professional brake removal and brake cleaning



748 LGB
748 Lg b-3 • 748 Lg b-4

986 • $\frac{1}{2}$ • $\frac{1}{4}$ • $\frac{1}{8}$ • $\frac{1}{16}$ • $\frac{1}{32}$ • $\frac{1}{64}$ • $\frac{1}{128}$ • $\frac{1}{256}$ • $\frac{1}{512}$ • $\frac{1}{1024}$ • $\frac{1}{2048}$ • $\frac{1}{4096}$ • $\frac{1}{8192}$ • $\frac{1}{16384}$ • $\frac{1}{32768}$ • $\frac{1}{65536}$ • $\frac{1}{131072}$ • $\frac{1}{262144}$ • $\frac{1}{524288}$ • $\frac{1}{1048576}$ • $\frac{1}{2097152}$ • $\frac{1}{4194304}$ • $\frac{1}{8388608}$ • $\frac{1}{16777216}$ • $\frac{1}{33554432}$ • $\frac{1}{67108864}$ • $\frac{1}{134217728}$ • $\frac{1}{268435456}$ • $\frac{1}{536870912}$ • $\frac{1}{1073741824}$ • $\frac{1}{2147483648}$ • $\frac{1}{4294967296}$ • $\frac{1}{8589934592}$ • $\frac{1}{17179869184}$ • $\frac{1}{34359738368}$ • $\frac{1}{68719476736}$ • $\frac{1}{137438953472}$ • $\frac{1}{274877906944}$ • $\frac{1}{549755813888}$ • $\frac{1}{1099511627776}$ • $\frac{1}{2199023255552}$ • $\frac{1}{4398046511104}$ • $\frac{1}{8796093022208}$ • $\frac{1}{17592186044416}$ • 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Specialty tools

Brakes



4970 Components for 4970

HAZET No.	d ₁ mm	d ₂ mm	l mm	EAN-No. 4000896+
• Adapter VW, AUDI 12 mm inside hexagon Please consider the brake calliper design				
4970- 6	30	—	—	052950
• Adapter with 2 pins for: • FIAT 500 1.4 16V model years 2009→ • FORD Focus model years →2003, Mondeo model years 2000→2007 (consider brake calliper design) • MAZDA 6 model years 2003→ • VAUXHALL Astra G model years 1998→2004 • RENAULT Kangoo model years 2008→, Kangoo 4x4 model years 2003→2008, Modus model years 2004→2008 • SMART ForFour model years 2004→2006 • TOYOTA Corolla model years 2000→				
4970- 7	32	6	24	052967
• Adapter with 2 pins for: • CITROËN, VW, AUDI				
4970- 8	55	6	44	052974
• Adapter with 4 pins for: • FORD Focus model years 2004→ • HONDA Jazz model years 2001→2008, Jazz model years 2006→ • MINI Cooper model years 2006→ • NISSAN Almera model years 2002→2006- • VAUXHALL Corsa C model years 2000→2006, Meriva model years 2003→2010, Tigra B model years 2007→ • RENAULT Megané model years 2001→, Scénic model years 2001→ (consider brake calliper design), Scénic 2 model years 2003→2009 (consider brake calliper design) • SAAB (consider brake calliper design) • VOLKSWAGEN Golf 4 model years 1997→2003 (consider brake calliper design), Polo 9N model years 2001→2005 (consider brake calliper design)				
4970- 9	30	5	22	052981
• Adapter with 2 pins for: • FORD Transit model years 2006→2016, VAUXHALL Vectra C, RENAULT Scénic 2 model years 2003→2009 • Please consider the brake calliper design				
4970-10	35	6	20	126019
• Adapter with 2 pins for: • FIAT Panda 4x4 model years 2006→ • VAUXHALL Vectra C model years 2002→2008 (consider brake calliper design) • RENAULT Espace model years 2004→, Laguna 2 model years 2001→2007, Vel Satis model years 2002→				
4970-11	35	3	20	146581
• Adapter with 2 pins for: • FORD rear wheel brake C-MAX model years 2003→, Focus model years 2005→, Mondeo model years 2006→ (consider brake calliper design), S-Max model years 2006→ • KIA Sorento model years 2002→2006				
4970-12	40	5	20	149766

4971 Brake piston readjusting tool

• **Made in Germany**

• **Fast and uniform readjusting without tilting**

- Application: For damage-free readjusting of brake pistons (floating callipers / fixed callipers) on disc brakes
- Suitable for all common vehicle types without integrated locking device for handbrakes
- Avoids damaging of the boots and pistons
- High accuracy as well as high stability allow continuous use
- Reduced expenditure of force due to exact guidings



HAZET No.	EAN-No. 4000896+
4971-1	156245

796 Brake spring pliers

• **Made in Germany**

- Application: For installing and removing the brake shoe recuperating spring on **riveted brake linings**
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
796	215	031818

797 Brake spring pliers

• **Made in Germany**

• **With movable claw**

- Application: For **glued and riveted brake linings**
Brake shoe retaining springs (rear drum brakes)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
797	317	031825

1846 B Circlip pliers

• **Made in Germany**

• **With long bent jaws (90°)**

- Application: For the operation of **deeply located circlips** e.g. on brake callipers and gearboxes
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Jaws curved 90°
- Surface: chrome-plated



HAZET No.	mm	l mm	mm	EAN-No. 4000896+
1846 b-1.6	12-30	195	1.5	061457



OFFICIAL SUPPLIER
HARTMANN
MOTORSPORT

For more than 20 years!





Chassis

Spring Vices / Shock Absorbers



Product applications

Safety spring vice database
hazet.de → The Tool Finder
 → Safety spring vice database
 ◀ For Smartphones with QR reader (app)

4900 Safety spring vice basic unit

Made in Germany



• For installing and removing the coil spring when changing shock absorbers
 Suitable for approx. 200 different vehicle types

- Application: Coil spring when changing shock absorber (please note safety spring vice classification table on the Internet or in the tool catalogue)
- **Max. span 309 mm**
- **High capacity of 26000 N**
- **Suitable for impact operation**, e.g. HAZET 9012 MG in conjunction with impact socket HAZET 900 S-27 or 900 S Lg-27
- Closed system – **Maintenance-free!**
- Variable system due to easily replaceable tensioning jaws
- Plastic inserts for the protection of the lacquered spring surfaces preventing coil damage due to corrosion.
- **With socket rail for machinist's vice**
- GS mark – tested safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws
- Also suitable for spring struts with rebound spring in the shock absorber



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HAZET No.	Ø mm	EAN-No. 4000896+
Safety spring vice basic unit		
4900-2 A	–	077267
• Replacement set for safety spring vice 4900-1 A and -2 A consisting of 2 straight pins and 1 O-ring		
4900-02 A/3	7	069415
• Replacement set for spring vice 4900-1 and 4900-2 consisting of 5 straight pins and 2 O-rings		
4900-02/7	6	063437

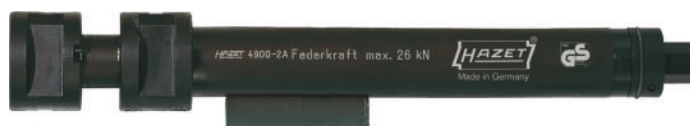
4900 Safety spring vice set

Made in Germany



• For installing and removing the coil spring when replacing shock absorbers

- Application: Suitable for impact wrenches
- Closed system - **maintenance-free!**
- Variable system due to easily replaceable tensioning jaws
- Plastic inserts for the protection of the lacquered spring surfaces preventing coil damage due to corrosion.
- **With socket rail for machinist's vice**
- 4900-2 A is also suitable for spring strut with rebound spring in the shock absorber
- Max. span: 309 mm
- **High capacity of 26000 N**
- GS mark – tested safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws

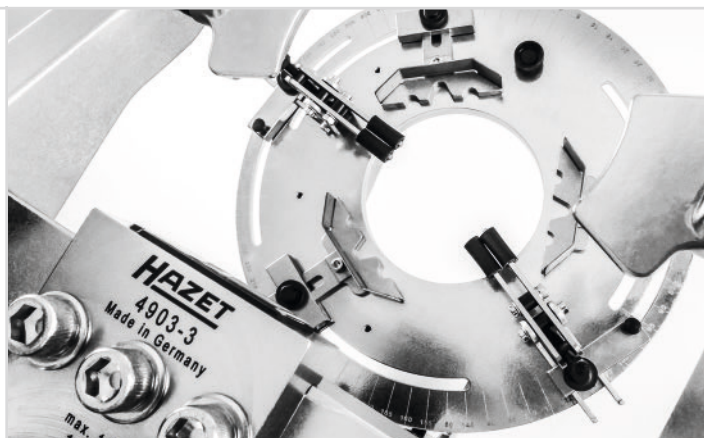


4900-2 A/3



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HAZET No.		EAN-No. 4000896+
• 1 Basic appliance and 2 tensioning jaws 4900-11		
• Suitable for approx. 50 different vehicle types		
4900-2 A/3	3	149483
• 1 Basic Appliance and 4 Tensioning Jaws (2x 4900-11 and 2x 4900-12). Suitable for approx. 100 different vehicle types		
4900-2 A/5	5	086054





Specialty tools

Chassis – Spring Vices / Shock Absorbers



4900 Tensioning jaw

Made in Germany

• Application see classification table



4900-100



HAZET No.	EAN-No. 4000896+
4900-10	059706
Plastic insert 4900-100	061136

Made in Germany

• Application see classification table



4900-110



HAZET No.	EAN-No. 4000896+
4900-11	059713
Plastic insert 4900-110	061143

Made in Germany

• Application see classification table



4900-120



HAZET No.	EAN-No. 4000896+
4900-12	059720
Plastic insert 4900-120	061150

Made in Germany

• Application see classification table



4900-130



HAZET No.	EAN-No. 4000896+
4900-13	059737
Plastic insert 4900-130	061167

4900 Tensioning jaw

Made in Germany

• Application see classification table



HAZET No.	EAN-No. 4000896+
4900-14 A	064649

Made in Germany

• Application see classification table



HAZET No.	EAN-No. 4000896+
4900-15 A	121472

Made in Germany

• Application see classification table



HAZET No.	EAN-No. 4000896+
4900-16	062164

Made in Germany

• Application see classification table



HAZET No.	EAN-No. 4000896+
4900-17	062171

Made in Germany

• Application see classification table



4900-180



HAZET No.	EAN-No. 4000896+
4900-18	100378
• Plastic insert 4900-180	074327



4900 Tensioning jaw

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

4900-19

085842

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

4900-22

062188

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

4900-23

062195

Made in Germany

• Application see classification table



4900-243



HAZET
No.

EAN-No.
4000896+

4900-24

062201

Spacer ring for the tensioning jaw 4900-24

• Especially advantageous if HAZET 4900-22 and -24 already exists

4900-243

162932

4900 Tensioning jaw

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

• For driver's cabin with steel springs **MERCEDES-**

BENZ Actros (MP-1) 1996→, Atego 1998→

4900-25

121670

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

• For driver's cabin with steel springs **MERCEDES-**

BENZ Actros (MP-1) 1996→, Atego 1998→

4900-26

121687

Made in Germany

• Application see classification table



HAZET
No.

EAN-No.
4000896+

4900-30

100514

Made in Germany

• Application see classification table



4900-310



HAZET
No.

EAN-No.
4000896+

4900- 31

138036

• **Plastic insert**

4900-310

167715



Specialty tools

Chassis – Spring Vices / Shock Absorbers



4900 Tensioning jaw

Made in Germany

- Application see classification table



HAZET No.	EAN-No. 4000896+
4900-33	138043

4900 Tensioning jaw

Made in Germany

- Application see classification table



HAZET No.	EAN-No. 4000896+
4900-35	121212

4900 MERCEDES-BENZ tensioning jaw set

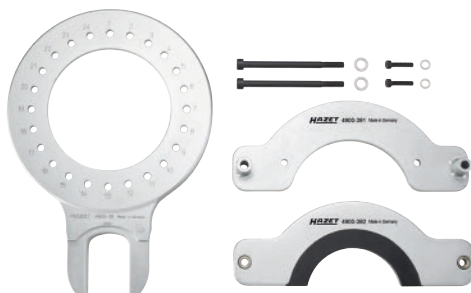
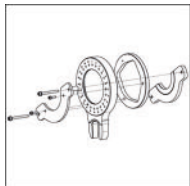
Made in Germany

- With brake



- Application: For the operation of the coil springs of the front axle on **MERCEDES-BENZ**, type 204 (C-Class), type X 204 (GLK-Class), type 212 (E-Class with standard chassis) / type 212 (E-Class with sports chassis)
- (Price per piece)
- Application see classification table
- To be used together with HAZET Safety Spring Vice 4900-2 A
- Enables safe positioning of the spring struts with pivot bearing
- To be used together with HAZET Safety Spring Vice 4900-2 A, suitable tensioning jaw, e.g. 4900-17 and suitable centring insert (choose according to vehicle type. Note: Please follow the instructions of the manufacturer!)

HAZET No.		EAN-No. 4000896+
4900-39/11	11	167678
Centring Insert for MERCEDES-BENZ, type 204 (C-Class)		
• To be used with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 as well as round tensioning jaw with brake 4900-39/11		
4900-393	–	167722
Centring Insert for MERCEDES-BENZ, type X204 (GLK-Class)		
• To be used with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 and plastic spring protection insert 4900-120 as well as round tensioning jaw with brake 4900-39/11		
4900-394	–	167739
Centring Insert for MERCEDES-BENZ, type 212 (E-Class) with standard chassis		
• To be used with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-31 and plastic spring protection insert 4900-310 as well as round tensioning jaw with brake 4900-39/11		
4900-395	–	167746
Centring Insert for MERCEDES-BENZ, type 212 (E-Class) with sports chassis		
• To be used with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 as well as round tensioning jaw with brake 4900-39/11		
4900-396	–	167753



**HAZET –
everything fits
well –
and your safety
is guaranteed!**



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Classification examples:

For more information and older models see our website:

www.hazet.de → Products → Tool Finder → Safety Spring Vice

Technical modifications of the vehicle manufacturers are subject to change without notice

* = no information available.

** = Use on BMW coil springs only in conjunction with the corresponding plastic spring protection inserts.

BMW prescription: Spring vices must be operated with hand tools only!



Type	Model year	Tensioning jaws		Plastic inserts/centring inserts	Tensioning jaws		Plastic inserts/centring inserts
ALFA ROMEO							
Alfa 147	2003	4900-11 (2x)			4900-11 (2x)		
Alfa 156	1998 → 2003	4900-10 (2x)		*	*		*
Mito	2009	4900-11 (2x)			4900-11 (2x)		
AUDI							
A2	2000	4900-11 (2x)		*	*		*
A3	2000 →	4900-11 (2x)		*	4900-10 (2x)		*
A4	1994 → 2001	4900-11 (2x)		*	*		*
A5	2007 →	4900-12 (2x)		*	*		*
BMW							
1 (E87) **: 116i / 118i / 120i / 118d / 120d	2004 →	4900-22 24		4900-243	4902/6		-
3 (E46) **	1998 → 2004	4900-22 24		4900-220 240	*		-
3 (E90) **: 320i / 325i / 330i / 320d saloon	2004 →	4900-22 24		4900-243	4902/6		-
3 (E91) **: 320 / 325 / 330 / Touring	2005 →	4900-22 24		4900-243	4902/6		-
3 (E92): 320 / 323 / 325 / 328 / 330 / 335	2005 →	4900-22 24		4900-243			
3 (E93): 320 / 325 / 328 / 330 / 335	2006 →	4900-22 24		4900-243			
5 (E60) **	2004 →	4900-22 24		4900-220	*		*
5 (F10)	2010 → 2015	4900-35 (2x)			4900-35 (2x)		
i3 (I01) electrical	2013 →	4900-35 (2x)			4900-35 (2x)		
i8 (I12) hybrid	2013 →	4900-35 (2x)			4900-35 (2x)		
Mini Cooper	2001 →	4900-11 (2x)			4900-10 11		
X3 (E83)	2006 →	4900-31 33					
X5 (E70)	2006	4900-10 11		4900-100 110			
CHRYSLER							
Jeep Wrangler (TJ)	1997 → 2006	4900-11 (2x)		*	*		*
CITROËN							
C-Crosser	2007 → 2013	4900-11 (2x)					
C1	2005 → 2013	4900-11 (2x)			4900-11 (2x)		
Jumper	1997 → 2002	4900-13 (2x)		*	*		*
Nemo	2008	4900-11 (2x)			4900-11 (2x)		
DACIA							
Logan 1.6i	2005 →	4900-11 (2x)		*	*		*



Specialty tools

Chassis – Spring Vices / Shock Absorbers



 Type	 Model year	Tensioning jaws		Plastic inserts/centring inserts	Tensioning jaws		Plastic inserts/centring inserts
FIAT							
500	2007 →	4900-12 (2x)					
Doblo	2010	4900-11 (2x)			4900-11 (2x)		
Ducato	1995 → 2002	4900-13 (2x)		*	4900-13 (2x)		*
Ducato	2006	4900-13 (2x)					
Grande Punto	2005 →	4900-11 (2x)		*	4900-11 (2x)		*
Qubo	2009	4900-12 (2x)			4900-12 (2x)		
Stilo	2002	4900-11 (2x)		*	*		*
FORD							
C-Max	2006	4900-12 (2x)					
Fiesta	2002 → 2005	4900-11 (2x)					
Fiesta	2005 → 2008	4900-11 (2x)					
Fiesta	2009 →	4900-12 (2x)					
Focus	1998 → 2004	4900-11 (2x)		*	*		*
Focus	2004 → 2010	4900-12 (2x)			4900-10 (2x)		
Focus	2007	4900-12 (2x)					
Focus	2010 →	4900-11 (2x)			4900-10 (2x)		
Fusion	2005	4900-11 (2x)					
Ka	1996 → 2008	4900-11 (2x)			4900-10 (2x)		
Mondeo	2000 → 2007	4900-12 (2x)			4900-11 (2x)		
Mondeo	2008 →	4900-12 (2x)					
S-Max	2006	4900-11 (2x)					
MAZDA							
2 / DY	2003 → 2007	4900-11 (2x)					
6 / GY	2002 → 2007	4900-11 (2x)					
MERCEDES-BENZ							
A-Class, type 168	1997 → 2004	4900-15 A (2x) 33		*	4900-14 A (2x)		*
A-Class, type 169	2004 →	4900-17 (2x)		*	4900-35 (2x)		*
B-Class, type 245	2005	4900-17 (2x)			4900-35 (2x)		
C-Class, type 203	2000 →	4900-17 18		4900-180	*		*
C-Class type 204	2007 → 2015	4900-39/11 17		4900-393			
Citan, type 415	2012 →	4900-17 (2x)		4900-120 (2x)	4900-17 (2x)		4900-120
E-Class 4MATIC, type 210	1997 → 2002	4900-14 A (2x)		*	*		*
E-Class, type 211 / type 219	2002 →	4900-19 30		*	*		*
E-Class, type 212	2009 → 2016	4900-39/11 31		4900-395 310			
E-Class, type 212 sports chassis	2009 →	4900-39/11 17		4900-396			
GLK-Class, type X204	2008 → 2015	4900-39/11 17		4900-394 120			
ML-Class, type 163	1997 → 2005	*		*	4900-16 (2x)		*
ML-Class, type 164	2005 →	4900-35 (2x)		*	*		*
ML-Class, type 166	2011 → 2015	4900-35 (2x)					
SL-Class, type 231	2012 →	4900-16 (2x)			4900-16 (2x)		
Vito, V-Class, type 638	1996 → 2002	4900-17 (2x)		*	*		*



Type	Model year	Tensioning jaws		Plastic inserts/centring inserts	Tensioning jaws		Plastic inserts/centring inserts
VAUXHALL							
Astra G	1998 → 2004	4900-11 (2x)		*	4900-11 (2x)		*
Astra H	2004 → 2010	4900-12 (2x)		*	*		*
Astra J	2009 → 2012	4900-12 (2x)					
Corsa C	2000 → 2006	4900-11 (2x)					
Corsa D	2006	4900-11 (2x)			4900-10		
Meriva	2010 →	4900-11 (2x)					
Vectra C	2002 → 2008	4900-12 (2x)		*	*		*
PEUGEOT							
106	1997 → 2003	4900-12 (2x)		*	*		*
307 SW	2002 → 2008	4900-11 (2x)			4900-12 (2x)		
406	1997 → 2004	4900-12 (2x)		*	*		*
806	1999 → 2002	4900-13 (2x)		*	4900-11 (2x)		*
Boxer	*	4900-13 (2x)		*	*		*
Partner	1996 → 2003	4900-12 (2x)			4900-12 (2x)		
Partner	2006	4900-12 (2x)					
PORSCHE							
Boxster/Boxster S (Type 986)	1996 → 2004	4900-15 A 22		*	4900-11 (2x)		*
Boxster/Boxster S (Type 987)	2004	4900-15 A 22		*	4900-22 (2x)		*
Carrera 2 / 4 (Type 997)	2004	4900-15 A 22		*	4900-22 (2x)		*
Carrera 2 / 4 / Turbo (Type 996)	1998 → 2004	4900-15 A 22		*	4900-16 (2x)		*
Cayenne	2004 →	4900-16 (2x)		*	4900-16 (2x)		*
Cayman	2006 →	4900-15 A 22		*	4900-22 (2x)		*
RENAULT							
Clio 2	2001	4900-11 (2x)					
Clio 3 1.5 dci	2005	4900-12 (2x)		4900-120 (2x)	*		*
Espace 2	2004	4900-13 (2x)			4900-13 (2x)		
Espace 2.0 turbo	2003	4900-17 (2x)		*	*		*
Kangoo 1.5	2004	4900-15 A (2x)		*	*		*
Laguna 2.0 dci	2005 →	4900-12 (2x)		*	4900-11 (2x)		*
Megane 2 1,9dci	2003 → 2008	4900-12 (2x)		4900-120 (2x)	*		*
Megane 3	2008 →	4900-12 (2x)					
Modus 1.5dci	2005 →	4900-12 (2x)		*	*		*
Scenic 1.5dci	2005 →	4900-12 (2x)		4900-120 (2x)	*		*
Traffic	2005	4900-11 (2x)			4900-11 (2x)		
Twingo	2007 →	4900-11 (2x)		*	*		*
Twingo 1,2	1998 → 2007	4900-11 (2x)		*	*		*
SAAB							
93	2002	4900-12 (2x)			4900-12 (2x)		
SEAT							
Altea	2006	4900-11 (2x)					
Ibiza	2002	4900-11 (2x)		*	4900-10 (2x)		*



Specialty tools

Chassis – Spring Vices / Shock Absorbers



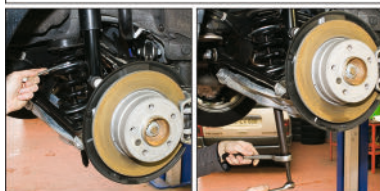
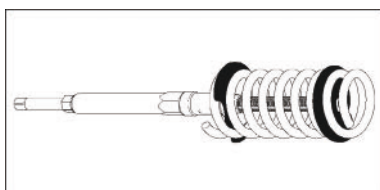
 Type	 Model year	Tensioning jaws		Plastic inserts/centring inserts	Tensioning jaws		Plastic inserts/centring inserts
SEAT							
Ibiza	2006	4900-11 (2x)					
Leon	2002	4900-11 (2x)		*	4900-10 (2x)		*
ŠKODA							
Fabia	2001	4900-11 (2x)		*	*		*
Rapid	2012 →	4900-11 (2x)					
Roomster	2007	4900-11 (2x)			4900-11 (2x)		
Superb	2002	4900-11 (2x)		*	*		*
Yeti	2009 → 2013	4900-11 (2x)					
SMART							
fortwo	2009	4900-10 (2x)					
SUZUKI							
Ignis	2000 → 2003	4900-10 (2x)		*	*		*
Wagon R+	2000 → 2006	4900-10 (2x)		*	*		*
VOLKSWAGEN							
Amarok	2010	4900-11 (2x)					
Caddy	2006	4900-11 (2x)					
Golf 1		4900-10 (2x)			*		
Golf 2		4900-10 (2x)			4900-11 (2x)		
Golf 3		4900-11 (2x)			*		
Golf 4	1997 → 2003	4900-11 (2x)			4900-10 (2x)		
Golf 5	2003 → 2008	4900-11 (2x)					
Golf 6	2008 → 2012	4900-11 (2x)					
Lupo	1998 → 2005	4900-11 (2x)			4900-10 (2x)		
Lupo	2001	4900-11 (2x)					
Passat 3C	2010 →	4900-11 (2x)			4900-10 (2x)		
Passat B5	1996 → 2005	4900-11 (2x)					
Passat B6	2005 → 2010	4900-11 (2x)					
Polo	2001 → 2009	4900-11 (2x)			4900-11 (2x)		
Polo 6R	2009 →	4900-11 (2x)					
Polo 9N	2006	4900-11 (2x)					
Polo I		4900-11 (2x)			*		
Sharan	1995 → 2010	*			4900-12 (2x)		
Sharan	2010 →				4900-10 (2x)		
T5 (Transporter)	2003 →	4900-13 (2x)			4900-12 (2x)		
Tiguan	2008	4900-11 (2x)					
Touran	2003 →	4900-11 (2x)			4900-10 (2x)		
Touran	2010 →	4900-11 (2x)					
Volvo							
S 80	1998 → 2003	4900-12 (2x)			4900-12 (2x)		



4902 Inside safety spring vice set

Made in Germany

- Application: Installation and removal of the **coil spring on the rear axle**
- Optimally suited to the limited spaces in the following vehicles
BMW – 1 Series E81, E82, E87, E88 (model year 2004 →): 116i, 118i, 118d, 120i, 120d, 130i
 – X1 E84 (model year 2004 →)
 – 3 Series E90 (model year 2004 →): 320i, 320d, 325i, 330i Saloon
 – 3 Series E91 (model year 2005 →): 320, 325, 330 Touring
 3 Series E92 model year 2006 →: Coupe
 3 Series E93, model year 2007 →: Cabrio
- Pendulum 6-point head provides a uniform distribution of power with the integrated twist protection
- Internal guidance of the tensioning jaws prevents the spring from sliding out
- Both-sided spindle operation possible
- Plastic box



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HAZET No.		EAN-No. 4000896+
• Inside spring vice set, content: 4902-1 10 11 210 224 4910-1		
4902/6	6	121694
• Inside spring vice		
4902-1	–	122639
• Tensioning jaw		
4902-10	–	122646
4902-11	–	122653
• Tubular box wrench, size 10 mm		
4902-210	–	122677
• Tubular box wrench, size 24 mm		
4902-224	–	122660
• Reversible ratchet		
• Output 12-point 21 mm		
4910-1	–	062133

4903 Universal spring vice

Made in Germany

• **Increased safety – thanks to load-free installation!**

- Can be used for almost any spring strut / shock absorber
- **Load-free disassembly / assembly with completely relieved shock absorber**
- **New seating and assembly concept**
- Swivelling in horizontal or vertical working position, HAZET recommends ergonomic working height: adjust vertically, operate horizontally
- Damage to shock absorbers and head plates impossible (no overload risk)
- Simple, lockable strut mount
- **High safety**
- Consistently reliable mounting of head plates
- Thread damage to piston rod impossible
- Permanent fixation of spring throughout operation

4903 Universal spring vice

Secured investment – by using existing components of SYSTEM 4900

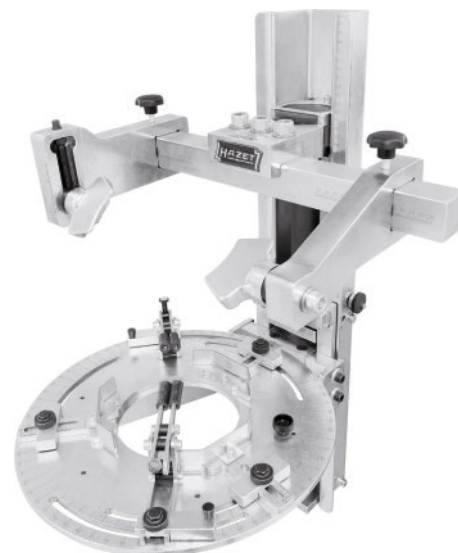
- Existing basic units 4900-2A and all tensioning jaws of System 4900 may be used
- Use of future applications is assured

Allows record keeping by scaling

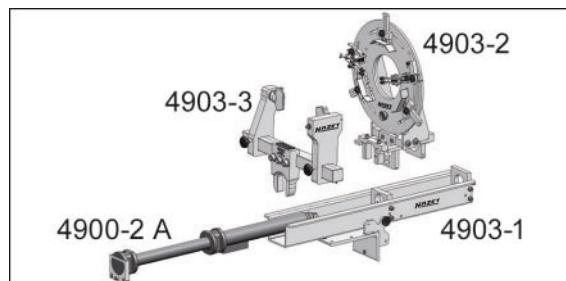
- If recurring, significant time savings by scaling
- Firm fixation eliminates readjustment at the same spring strut (left / right)

4 steps to success:

1. Mount spring strut on clamping disc above gripper and brakes
2. Grip spring with universal tensioning jaw
3. Actuate clamps with reversible ratchet, cordless screwdriver or pneumatic ratchet
4. Remove shock absorber load-free and install new one (then reverse order)



YouTube Clip



HAZET No.		EAN-No. 4000896+
• Perfect basic equipment if the basic unit 4900-2°A already exists		
4903-1	–	179824
• By using the clamping disc and the universal tensioning jaw, the basic support 4903-1 or the set 4903/2 A becomes a completely stationary universal spring vice		
• 2 pieces, contents:		
• 4903-2 universal clamping disc, adjustable		
• 4903-3 universal tensioning jaw (adjustable), safety adapter included		
4903/2	2	180530



Specialty tools

Chassis – Spring Vices / Shock Absorbers



4903 Universal spring vice

HAZET No.		EAN-No. 4000896+
- The perfect starter kit for the installation and removal of Mc-Pherson struts, given that the basic unit 4900-2 A does not exist yet 2 pieces, contents: 4900-2 A safety spring vice basic unit 4903-1 basic support		
4903/2 A	2	180547
Perfect choice, if the safety spring vice basic unit 4900-2 A already exists 3 pieces, contents: 4903-1 basic support 4903-2 universal clamping disc, adjustable 4903-3 universal tensioning jaw (adjustable), safety adapter included		
4903/3	3	180554
The perfect complete package 4 pieces, contents: 4900-2 A safety spring vice basic unit 4903-1 basic support 4903-2 universal clamping disc, adjustable 4903-3 universal tensioning jaw (adjustable), safety adapter included		
4903/4	4	180561
Universal clamping disc, adjustable		
4903-2	–	179831
Universal tensioning jaw (adjustable), safety adapter included		
4903-3	–	179848
Safety spring vice basic unit		
Coil spring when changing shock absorber (please note safety spring vice classification table on the Internet or in the tool catalogue)		
4900-2 A	–	077267
- Replacement set for universal spring vice 4903-1 consisting of 2 straight pins and 1 O-ring		
4903-01/3	–	181704

4910 Shock absorber tool set

Made in Germany



- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- With counterholder for piston rod when removing and installing the spring strut
- Caution:** Follow vehicle manufacturer's specifications concerning torque values
- Application e.g. with torque wrench, e.g. HAZET 6291–1 CT in conjunction with Box-End Insert Tool 6630 d-21
- Application of an impact wrench may damage the thrust bearing and the piston rod
- Shock absorber tool set, contents:
 - 4910-1
 - 4910-6 7 8
 - 4910-16 17 18 19 21 22 24
 - 4910-58 68



YouTube Clip

HAZET No.	L x W x H mm		EAN-No. 4000896+
4910/13	355x235x65	13	061495

4910 Reversible ratchet

Made in Germany



- Reversible ratchet
- Output 12-point 21 mm



HAZET No.	EAN-No. 4000896+
4910-1	062133

4910 Counterholder for piston rod

Made in Germany



- Drive with ball race



HAZET No.	mm	l mm	EAN-No. 4000896+
4910-6	6	94.5	062089
4910-7	7	94.5	062096
4910-8	8	94.5	062102

Made in Germany



- Drive with ball race



HAZET No.	mm	l mm	EAN-No. 4000896+
4910-58	5x8	94.5	062119
4910-68	6x8	94.5	062126
For PORSCHE Cayenne S, VW Touareg, Touran, Sharan			
4910-71	7.1x9.6	94.5	091195

4910 Socket (6-point)

Made in Germany



- For retaining the piston rod when removing and installing the spring strut
- Caution:** Follow vehicle manufacturer's specifications concerning torque values
- drive ≤ 21 mm



HAZET No.	mm	l mm	EAN-No. 4000896+
4910-16	16	82	062010
4910-17	17	82	062027
4910-18	18	82	062034
4910-19	19	82	062041
4910-21	21	82	062058
4910-22	22	82	062065
4910-24	24	82	062072

4910 Counterholder for piston rod

Made in Germany



- Drive with ball race
- For **OPEL** Astra H, **MERCEDES-BENZ** C-Class (204), E-Class (212), E-Class Coupé (207)

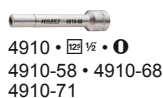
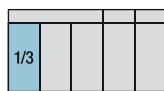


HAZET No.	mm	l mm	EAN-No. 4000896+
4910-T 50	T 50	122.5	120598



4915 Shock absorber tool set

- Application: For repair work at the spring strut e.g. shock absorber, spring strut bearing, coil spring
- For retaining the piston rod when removing and installing the spring strut
- **Caution:** Follow vehicle manufacturer's specifications concerning torque tightening values!
 - Application with torque wrench e.g. HAZET 6291-1 CT in conjunction with insert box-end wrench 6630 d-21
 - Application of impact wrenches may damage the thrust bearing and the piston rod

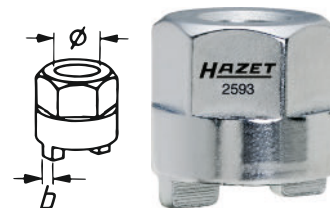


HAZET No.	L x W x H mm		EAN-No. 4000896+
4915/15	355x235x65	15	179213

2593 Shock absorber crown wrench

Made in Germany

- Application: For operation of **Shock absorber screw connections (repairs)** on **VW, SEAT and AUDI** vehicles (front axle)
- drive 22 mm, w = width of pins
- Surface: chrome-plated

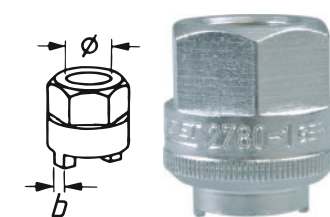


HAZET No.	$\varnothing$ mm	$\bullet$ mm	b mm	EAN-No. 4000896+
2593-4	14.5	22	5	017263

2780 Shock absorber crown wrench

Made in Germany

- Application: For operation of **shock absorber screw connections** (upper journal fitting) on **MERCEDES-BENZ** type 203 (C-Class since 2000)
- drive 22 mm, w = width of pins
- Surface: chrome-plated



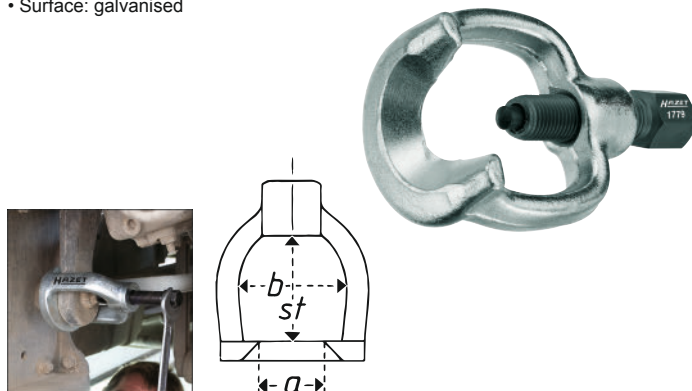
HAZET No.	$\varnothing$ mm	$\bullet$ mm	b mm	EAN-No. 4000896+
2780-1	14.1	22	2.6	082858

Wheel Bearing / Wheel Hub

1779 Ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots** of steering tie rods, stabilizers, etc.
- a = Jaw opening
- Surface: galvanised



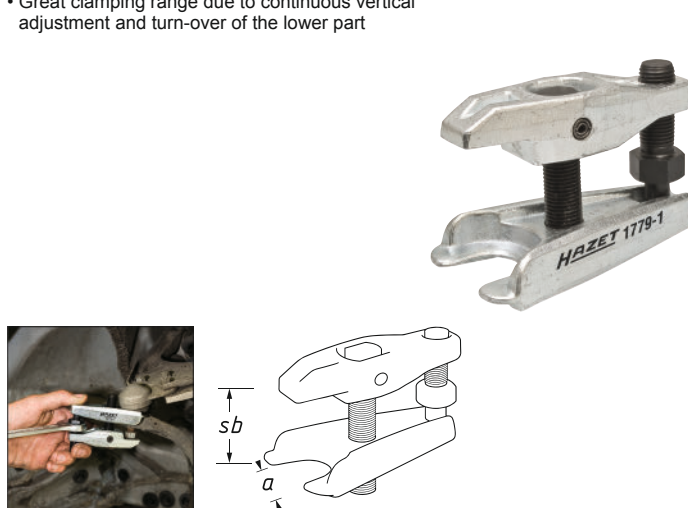
HAZET No.	a mm	b mm	st mm	EAN-No. 4000896+
1779-18	18	40	33	136001
1779-23	23	50	42	136018
1779-27	27	54	54	136025
1779-37	37	75	77	136032
1779-55	55	77	80	136407

• E.g. for commercial vehicles **MAN, MERCEDES-BENZ**, etc.

1779 Universal ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots** (jaw opening 23 mm) of steering arms, steering tie rods, stabilizers, etc. on the most common vehicles
- Great clamping range due to continuous vertical adjustment and turn-over of the lower part



HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-1	23	65	135974

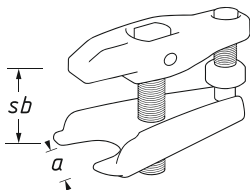
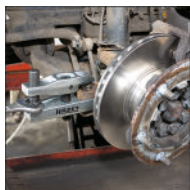


1779 Universal ball joint puller

Made in Germany

• Sturdy design and deep location groove enable a safe and universal application, e.g. for light commercial vehicles

- Application: For removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers, etc.
- For the most common vehicles

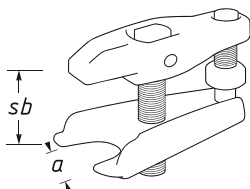


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-3	32	85	135998

1779 Ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots** of steering arms, steering tie rods, steering knuckles, stabilizers, etc.
- Clamping range 50–80 mm
- Length of the jaw 35 mm

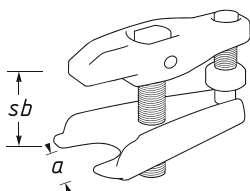


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-22	20	50–80	141654

1790 Ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots**, especially on vehicles with multi-link axle e.g. AUDI A6 and A8, VW Passat, Golf
- Surface: galvanised, passivated (free from Cr 6)

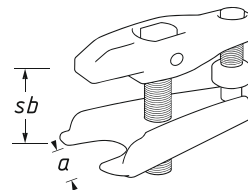


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-4	30	65	145447

1790 Universal ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots** of steering tie rods, stabilizers, etc.
For **FORD, BMW, Volvo, TOYOTA, VAUXHALL, VW, AUDI, RENAULT**
- Jaw opening 20 mm
- Clamping range (sb) in 2 stages
stage 1: up to 30 mm
stage 2: up to 50 mm



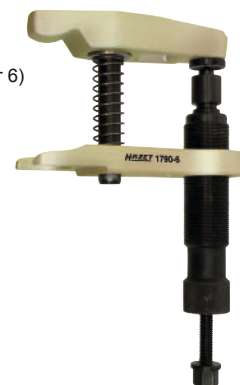
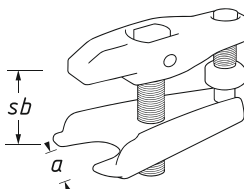
HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-7	20	12–50	148073

1790 Ball joint puller

Made in Germany

• Supported by hydraulic system

- Application: For the safe removal of **ball joint pivots** and ball joints
- Surface: galvanised, yellow passivated (free from Cr 6)
- For passenger cars, vans, commercial vehicles
- Max. capacity 12 tons



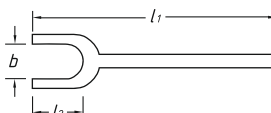
HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-5	30–34	70	145461

1780 Removal and assembly fork

Made in Germany

• Proven and economical system

- Application: Wedge-shaped fork end allows fast removal of push rod and steering tie rod ends, pitman arms and other parts of the steering
- Easy application
- Also suitable for removing shock absorbers and other separation work
- Application possible in confined spaces
- Sturdy forged design



HAZET No.	l ₁ mm	l ₂ mm	b mm	EAN-No. 4000896+
1780-18	340	80	18	133345
1780-23	340	80	23	133352
1780-29	350	80	29	133376



1781 Universal wheel hub puller

Made in Germany

- Sliding and interchangeable pulling hooks
- With 5 hooks
- Optional accessories: hydraulic spindle 1786 H-02
- Surface: galvanised



HAZET No.	Max. t.	sb mm	Spindle	EAN-No. 4000896+
1781-5	10	115–225	G 3/4" x 200 mm	136049

2549 Impact socket set

Made in Germany

- For installation and removal of the wheel bearing/hub unit at the rear axle

- For e.g. **AUDI** A3 model years 2004→, **VW** Touran model years 2004→, Golf 5 model years 2003→, **SKODA** Octavia model years 2008→, **SEAT** Leon model years 2005→
- Drive allows transmission of high separation forces
- Replaceable impact screwdriver socket XZN M 18
- Contents:
 - 1 internal serration (XZN) impact screwdriver set 990 S-18
 - 1 O-ring 1000 S-G 1736
 - 1 connecting pin 1000 S-H 1736
 - 1 connector 1003 S-1



HAZET No.		EAN-No. 4000896+
2549-18/4	4	199440

2583 Wheel bearing tool

Made in Germany

- For the adjustment of torsion bars
 - removal of wheel bearings on VW transporter T4
- Long design
- With knurling
- Surface: matt chrome-plated



HAZET No.	S mm	l mm	EAN-No. 4000896+
2583	27	140	017034

2594 Clamping screw ejector for four-link front-axle

Made in Germany

- Application: Extracting the clamping screw on four-link front-axle
- Enormous time saving (about 40 min.) due to possible usage with Chisel Hammer Set, e.g. HAZET 9035/6 (not included in delivery)
- Components do not have to be heated up, prevents damage of aluminium axle due to improper handling
- **AUDI** A4 model years 1995→2005, A6 model years 1998→2002
- **VW** Passat
- Extractor set, contents: 2594-1 2 4

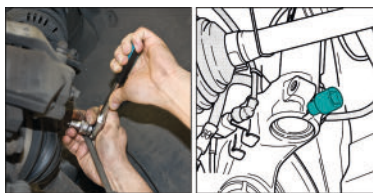


HAZET No.		EAN-No. 4000896+
2594-1/3	3	175284

4912 Spreader for wheel bearing housing

Made in Germany

- Application: Expansion of the spring strut and ball joint mounting (separating the spring strut from the wheel bearing housing)
- Drive with ball race



HAZET No.		EAN-No. 4000896+
4912-1		156368
4912-2		155804

4912 Camber adjustment tool set

- Suitable for VW Golf, Jetta, SEAT Toledo, etc.

- Enables camber adjustment by one person only
- Tool significantly reduces the time required for the operation
- Sturdy 6-point spindle with s 22 mm for easy application
- Span: 135 up to 175 mm



HAZET No.		EAN-No. 4000896+
4912-3/2	2	166596



Specialty tools

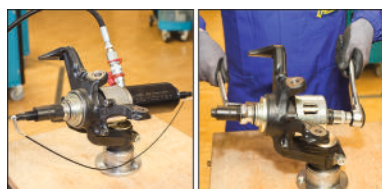
Chassis – Wheel Bearing / Wheel Hub



4930 Wheel bearing tool set

Made in Germany

- Wheel bearing extractor set for hydraulic and mechanical operation
- Hydraulic operation together with the HAZET Hollow Piston Cylinder 4932-17 and the Hydraulic Spindle 4932-TR20
- Plastic box
- Soft foam insert, extendable
- Wheel bearing tool set, contents:
4930-1 2 3 4 5 7
4930-721 821 851
4930-34 x40 39 x41 35 x42
37 x45
4930-62 64 66 68
72 74 80 82 84



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HAZET No.		EAN-No. 4000896+
4930-1/22	22	164776

4930 Threaded spindles

Made in Germany

- TR20 x2
- With thrust bearing,
- 6-point drive s 22
- Loading capacity max. 12 to.



HAZET No.		EAN-No. 4000896+
4930-1		080755

4930 Spindle nut

Made in Germany

- 6-point drive s 30



HAZET No.		EAN-No. 4000896+
4930-2		080762

4930 Spacer plate

Made in Germany



4930 Spacer plate

HAZET No.	EAN-No. 4000896+
4930-3	081158
4930-4	081141
4930-5	082834

4930 Reduction ring

Made in Germany

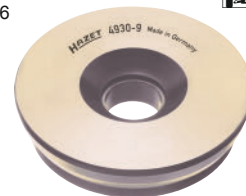


HAZET No.	EAN-No. 4000896+
• For VW Polo C and PEUGEOT 106 • Together with housing 4930-721 4930-6	083633
• In conjunction with housing 4930-851 4930-7	083640
• Inside Ø 45 mm in conjunction with 4930-8245 4930-8	097890

4930 Centring disc

Made in Germany

- For installing the new wheel bearing on AUDI A4, A6



HAZET No.	EAN-No. 4000896+
4930-9	121465

4930 Centring sleeve

Made in Germany



HAZET No.	EAN-No. 4000896+
• For bearing inner Ø 34 / 40 mm 4930-34 x40	081042
• For bearing inner Ø 35 / 40 mm 4930-35 x40	081066
• For bearing inner Ø 35 / 42 mm 4930-35 x42	081035
• For bearing inner Ø 37 / 45 mm 4930-37 x45	081073
• For bearing inner Ø 39 / 41 mm 4930-39 x41	081028
• For bearing inner Ø 43 / 45 mm 4930-43 x45	097739



4930 Thrust washer

Made in Germany



HAZET No.	EAN-No. 4000896+
• For bearing outer Ø 62–64 mm 4930-62	080854
• For bearing outer Ø 64–66 mm 4930-64	080939
• For bearing outer Ø 66–68 mm 4930-66	080946
• For bearing outer Ø 68–70 mm 4930-68	080953
• For bearing outer Ø 72–74 mm 4930-72	080960
• For bearing outer Ø 74–76 mm 4930-74	080977
• For bearing outer Ø 80–82 mm 4930-80	081004
• For bearing outer Ø 82–84 mm 4930-82	080991
• Together with 4930-8 inner Ø 45 mm • For bearing outer Ø 82 mm 4930-8245	097746
• For bearing outer Ø 84–85 mm 4930-84	081448

4932 Hollow piston cylinder

Made in Germany



• Compact hydraulic cylinder with a capacity of 17 tons

- Working pressure: max. 700 bar
- With spring reset
- For threaded spindle 4932-TR20 and nut 4930-2
- Traction side: M27 x2, alternatively M42 x2, using the optional adapter
- Pressure side: 2-1/4" – 14 UNS inside thread: TR 20, alternatively M20, using the optional adapter
- Stroke: 45 mm
- Outside Ø: 80 mm
- Cylinder height – retracted: 206 mm / extended: 251 mm
- With coupling, protective cover and adapter 4932-M 20
- 5.5 kg



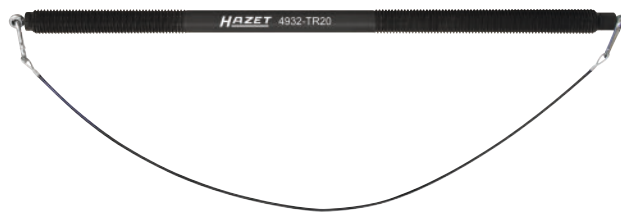
HAZET No.	EAN-No. 4000896+
4932-17	159741

4932 Threaded spindle

Made in Germany



- Threaded spindle with steel cable TR 20 (for hollow piston cylinder 4932-17 and nut 4930-2)



HAZET No.	l mm	EAN-No. 4000896+
4932-TR 20	546	159765

4934 Pressure plate

Made in Germany



- Together with hollow piston cylinder 4932-17
- For attaching the protective cover device 4934-7
- Thread inside: M27x2



HAZET No.	Ø mm	EAN-No. 4000896+
• Hydraulic pressure plate for 4934-2572/12, -2562/6, -2566/6 using 4932-17 4934- 10	122	159932
• Hydraulic pressure plate for 4934-2585/12 when using 4932-17 4934-8510	137	159628

4930 Housing

Made in Germany



- Thread inside: M27x2



HAZET No.	EAN-No. 4000896+
• Housing Ø 72 mm for article group 4930 using 4932-17 with 4932-TR 20 and 4930-2 4930-721	159598
• Housing Ø 82 mm for article group 4930 using 4932-17 with 4932-TR 20 and 4930-2 4930-821	159604
• Housing Ø 85 mm for article group 4930 using 4932-17 with 4932-TR 20 and 4930-2 4930-851	159611



Specialty tools

Chassis – Wheel Bearing / Wheel Hub



4932 Adapter for hollow piston cylinder 4932-17

Made in Germany



HAZET No.	EAN-No. 4000896+
Adapter for spindles with M20 thread	
• Adapter increases compatibility of HAZET Hollow Piston Cylinder with further spindles and specialty tools • Also suitable for tools of other manufacturers	
4932-M 20	165681
Adapter for Klann hollow piston cylinder KL-0040-2500	
• With coupler thread for HAZET housings 4930-721 -821 -851 as well as pressure plates 4934-10 -8510 -7801 • Coupler thread: M 27 x 2 • Outside Ø: 80 mm	
4932-M 27 x 2	160037
Adapter for hollow piston cylinder HAZET 4932-17	
• Adapter with coupler thread for operating tools made by Klann • Coupler thread: M 42 x 2 • Outside Ø: 80 mm • Enables working with the operating tool made by Klann for wheel bearing and silent blocks by using the HAZET hollow piston cylinder 4932-17	
4932-M 42 x 2	183432

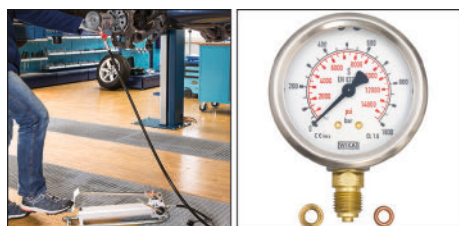
4932 Hydraulic foot pump, mechanical, two-stage

Made in Germany

• Two-stage pressurisation



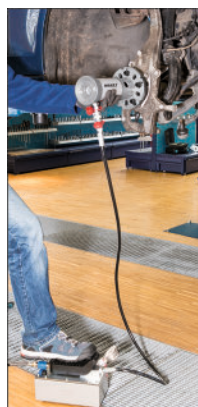
- **With manometer** and 1.8 m hydraulic hose with coupling
- Maximum working pressure: 700 bar
- Overload protection
- Basic steel frame for highest stability
- Pump head and tank made of aluminium
- Transport interlock
- Foot-controlled drain valve, precisely adjustable
- Big pedal
- Piston stroke: 23 mm
- Filling capacity: 1300 cm³
- Useful capacity: 900 cm³
- Dimensions: 462 x 160 x 161 mm



HAZET No.	EAN-No. 4000896+
4932 N-100	187195

4932 Air-hydraulic pump

- **With manometer** and 1.8 m hydraulic hose with coupling
- Max. working pressure: 700 bar
- Air inlet thread: **12.91 mm** (1/4")
- Hydraulic connection: **16.41 mm** = (3/8") – 18 NPTF
- Big pedal: pump, hold, release
- Tank made of sheet steel
- Filling capacity: 1500 cm³
- Useful capacity: 1000 cm³
- Dimensions: 260 x 140 x 186 mm



HAZET No.	EAN-No. 4000896+
4932 N-110	187393

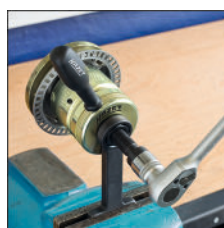
4931 Inner bearing ring extraction tool set

Made in Germany

• Esp. suitable for inner bearing rings that rest against the wheel hub



- Application: For extracting the inner bearing rings on the wheel hub when removing the wheel bearing
- Increased torque allows firm collet chuck tightening. Preventing from slipping-off the bearing ring
- Also suitable for types with ABS-housing (in particular for permanently attached versions)
- For **AUDI, BMW, FORD, MERCEDES-BENZ, PEUGEOT, RENAULT, TOYOTA, VW**
- Spindle with motion screw thread allows high removal forces
- Due to the torque arm, assembly may be placed into a machinist's vice
- 4 chucks (40 to 45 mm / 45 to 50 mm / 50 to 55 mm / 55 to 61 mm) covering all diameters from 40 to 61 mm
- Incl. detailed illustrated operating instructions
- Plastic box
- Soft foam insert



HAZET No.		EAN-No. 4000896+
4931-1/8	8	155538



4934 Compact wheel hub bearing unit tool set

Made in Germany

- Application: For installing and removing the wheel hub bearing unit in built-in state
- HAZET recommends NTN-SNR wheel bearings
- Plastic box
- Soft foam insert, extendable



YouTube Clip



HAZET No.

EAN-No. 4000896+

Starter set (72 mm Ø)

Basic requirements: threaded spindle 4930-1 and spindle nut 4930-2

Application:

Vehicles with a Ø 72 mm wheel bearing:

AUDI A1 2011 →, A2 2000 →, ŠKODA Fabia 2000 →, Roomster 2006 →, VW Polo 2002 →, Polo (6R), Fox 2005 →, SEAT Ibiza 2002 →

- Including operating instructions with 3-dimensional illustrations

12-piece set, contents:

pressure plate 4934-10, thrust washer 4934-7802, forcing bolt 4934-3 (5x), back-up ring 4934-4, back-up ring 4934-5, thrust washer 4934-6, 2 cylinder screws

4934-2572/12

12

150410

Components (installation)

- back-up ring 4934-5, 2 cylinder screws

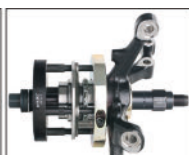
4934-5/3

3

150335

Made in Germany

- Application: For installing and removing the wheel hub bearing unit in built-in state
- HAZET recommends NTN-SNR wheel bearings



4934-6205/3

4934 Compact wheel hub bearing unit tool set

HAZET No.

EAN-No. 4000896+

Supplementary set (62 mm Ø)

Application:

Vehicles with wheel bearing Ø 62 mm:

VW Lupo, AUDI A2 1.2 l

(Basic requirements: threaded spindle 4930-1, spindle nut 4930-2, as well as set 4934-2572/12)

6-piece set, contents:

thrust washer 4934-6202, thrust washer 4934-6206, back-up ring 4934-6204, back-up ring 4934-6205, 2 cylinder screws

4934-2562/6

6

150403

Components (installation)

- back-up ring 4934-6205, 2 cylinder screws

4934-6205/3

3

150373

Made in Germany

- Application: For installing and removing the wheel hub bearing unit in built-in state
- HAZET recommends NTN-SNR wheel bearings



4934-6605/3



HAZET No.

EAN-No. 4000896+

Supplementary set (66 mm Ø)

Application:

Vehicles with a Ø 66 mm wheel bearing:

VW Polo, ŠKODA Fabia

Basic requirements: threaded spindle 4930-1, spindle nut 4930-2, as well as set 4934-2572/12

6-piece set, contents:

thrust washer 4934-6202, thrust washer 4934-6206, back-up ring 4934-6604, back-up ring 4934-6605, 2 cylinder screws

4934-2566/6

6

150427

Components (installation)

- back-up ring 4934-6605, 2 cylinder screws

4934-6605/3

3

150342

Made in Germany

- Application: For installing and removing the wheel hub bearing unit in built-in state
- HAZET recommends NTN-SNR wheel bearings
- Plastic box
- Soft foam insert, extendable





Specialty tools

Chassis – Wheel Bearing / Wheel Hub



4934 Compact wheel hub bearing unit tool set



HAZET
No.

EAN-No.
4000896+

Special set (85 mm Ø)

Application:

Vehicles with an Ø 85 mm wheel bearing:
VW T5 (front and rear axle – rear axle only in conjunction with 4934-8507) and Touareg with 16 inch suspension

Basic requirements: threaded spindle 4930-1, spindle nut 4930-2

• Including operating instructions with 3-dimensional illustrations

• 12-piece set, contents:

pressure plate 4934-8510, thrust washer 4934-7802, thrust washer 4934-8506, forcing bolt 4934-8503 (5x) back-up ring 4934-8504, back-up ring 4934-8505, 2 cylinder screws

4934-2585/12 12 150434

• Components (installation)

• back-up ring 4934-8505, 2 cylinder screws

4934-8505/3 3 150380

4934 Adapter ring VW T5

Made in Germany

- For installing the wheel hub / wheel bearings at the **VW rear axle T5**
- To supplement the compact wheel hub bearing unit tool set 4934-2585/12
- Especially to be used together with pressure plate 4934-8506



HAZET
No.

EAN-No.
4000896+

4934-8507

154913

4934 Compact wheel hub bearing unit tool set

Made in Germany

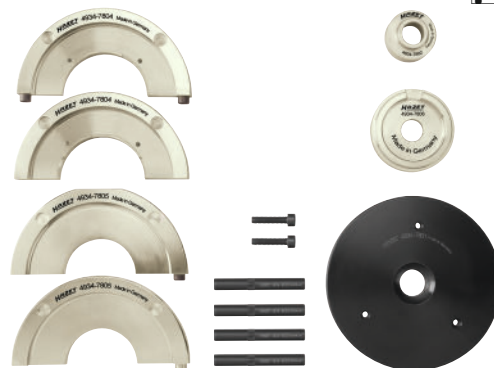
- Application: For installing and removing the wheel hub bearing unit in built-in state
- Special Tool Set Ø 78 mm bearing unit with stud bolts for:
FORD Focus 2 2004 →, Focus C-Max model years 2003 → 2007 as well as C-Max 2007 →, Galaxy 2006 →, S-Max 2001 →
Volvo C30 2006 →, C70 2 Cabriolet 2006 →, S40 2004 →, V50 2004 →
MAZDA 3 (BK) 1.4i 1.6i, 2.0i 1.6Di Turbo 2003 →
- Mechanical operation with HAZET Threaded Spindle 4930-1 as well as Spindle Nut 4930-2
- Hydraulic operation with HAZET Hollow Piston Cylinder 4932-17, Threaded Spindle 4932-TR 20 as well as e.g. Hydraulic Foot Pump 4932 N-100 and Protective Cover 4934-7



4934 Compact wheel hub bearing unit tool set



YouTube Clip



HAZET
No.



EAN-No.
4000896+

4934-3478/11

11

166350

Made in Germany

- Application: For installing and removing the wheel hub bearing unit in built-in state
- Special set Ø 82 mm bearing unit with stud bolts for:
FORD Mondeo 4, model year 2007 →, Focus 2 2.5 RS as well as 2.5 RS 500 2007 →, Galaxy year 2006 →, S-Max year 2006 →
- HAZET recommends NTN-SNR wheel bearings



HAZET
No.



EAN-No.
4000896+

4934-3482/6

6

174966

4934 Protective cover

Made in Germany



HAZET
No.



EAN-No.
4000896+

- For hydraulic operation of the HAZET Specialty Tools 4934-10 and 4934-8510
- Consists of a mounting ring with plastic cover, 3 fastening screws and one additional cover

4934-7

164783

Classification examples:

For more information see our website:
www.hazet.de → Tool Finder → Wheel Bearings



Technical modifications of the vehicle manufacturers are subject to change without notice

 Type	 Year of bearing installation	Note	Position	 Bearing	HAZET Wheel bearing tool set	NTN-SNR Reference wheel bearing tool set
AUDI						
A1	5/2010		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
A2 1.4 i/1.6 FSI/1.4 Tdi (AU24)	6/2000	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
A2 1.2 TDi (AU24)	3/2001		Front axle	62 mm	4934-2562/6 & 4930-1 & 4930-2 & 4934-2572/12	R154.52
FORD						
C-Max (CB3)	2/2007		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R152.62
Focus 2	9/2004 → 11/2007		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R152.62
Focus 2 FL 1.4 i/1.6 i/1.6 TDCi/1.6 Ti-VCT/1.8i/1.8 TDCi/2.0 i/2.0 TDCi/2.5 i	12/2007		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R152.62
Focus C-MAX	6/2003 → 2/2007		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R152.62
Focus Coupé Cabriolet 1.6 i/2.0 i/2.0 TDCi	7/2006		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R152.62
MAZDA						
Mazda 3 (BK) 1.4 i/1.6 DE/1.6 i/2.0 i	6/2003 → 1/2005		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R170.41
SEAT						
Cordoba 4	9/2002 → 6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Cordoba 4 1.2 i/1.4 i/1.4 TDi/1.6 i/1.9 SDi/1.9 TDi	6/2005		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Cordoba 4 1.9 TDi 131PS (Engine ALZ,BLT)	6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Cordoba 4 2.0 i	6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3	9/2001 → 6/2005	Serial identification no. – 6L-6-000001	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 1.2 12V/1.4 16V/1.4 TDi/1.6/1.9SDi	6/2005 → 11/2009		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Ibiza 3 1.9 TDi 100PS (Engine ATD)	5/2004 → 11/2009		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Ibiza 3 1.9 TDi 130PS (Engine ASZ)	6/2005 → 11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 1.9 TDi Cupra 160PS (Engine BPX)	6/2005 → 11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 2.0i/1.8 20V	6/2005 → 11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 4	3/2008		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
ŠKODA						
Fabia (6Y)	8/1999 → 7/2004	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia (6Y) [CZ]	8/1999 → 7/2002	Without power steering / speed nut serial identification no. – 6Y-2-366084	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R178.05
Fabia (6Y) [CZ]	7/2002 → 7/2004	Without power steering / double hexagon head nut / serial identification no. 6Y-3-366085 -	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fabia (6Y) [PL]	8/1999 → 9/2002	Without power steering / speed nut serial identification no. – 6Y-2X-028027	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R178.05
Fabia (6Y) [PL]	9/2002 → 7/2004	Without power steering / double hexagon head nut / serial identification no. 6Y-2X-028028 -	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49



Specialty tools

Chassis – Wheel Bearing / Wheel Hub



 Type	 Year of bearing installation	Note	Position	 Bearing	HAZET Wheel bearing tool set	NTN-SNR Reference wheel bearing tool set
ŠKODA						
Fabia Facelift (6Y)	8/2004 → 12/2007	With power steering / with Anti-Lock Braking System (ABS) / wheel rims 14 inch	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia Facelift (6Y)	8/2004 → 12/2007	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fabia 2 (5J)	12/2006	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia 2 Facelift	3/2010	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Roomster	3/2006 → 3/2010	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Roomster Facelift 1.2 i/1.4 i/1.4 TDi/1.6 i/1.9 TDi	3/2010	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
VOLKSWAGEN						
Fox 1.2 i	11/2004	With ABS / brake discs 239 mm	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fox 1.2 i	11/2004	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fox 1.4 i	11/2004	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fox 1.4 TDi	11/2004	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Lupo 1.2 TDi	5/1999 → 7/2005		Front axle	62 mm	4934-2562/6 & 4930-1 & 4930-2 & 4934-2572/12	R154.52
Polo 7 (9N) 1.2 i / 1.4 / 1.4 FSi / 1.6	1/2002 → 10/2003	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Polo 7 (9N) 1.2 i / 1.4 / 1.4 FSi / 1.6	11/2003 → 7/2004	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 7 (9N) 1.4 Tdi/1.9 Sdi/1.9 Tdi	11/2001 → 5/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 8 (9N) 1.2 i/1.4 i/1.4 FSi/1.4 16V/ 1.6	4/2005 → 7/2007	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Polo 8 (9N) 1.2 i/1.4 i/1.4 FSi/1.4 16V/ 1.6	4/2005 → 8/2007	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 8 (9N) 1.4 TDi/1.9 SDi/1.9 TDi	4/2005 → 8/2007		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Touareg 1 2.5 TDi	1/2003 → 10/2003		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Touareg 1 2.5 TDi	10/2003 → 11/2006		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Touareg 1	11/2002 → 11/2006	Wheel rims 16 inch / serial identification no. – 4,035,000	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Touareg 1	11/2002 → 11/2006	Wheel rims 16 inch / serial identification no. 4,035,001 –	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Touareg 1 FL	12/2006 → 5/2010	Wheel rims 16 inch	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7E/7F (T5)	9/2009		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7E/7F (T5)	9/2009		Rear axle	85 mm	4934-8507 & 4930-1 & 4930-2 & 4934-2585/12	R154.58
Transporter 7J/7H (T5)	4/2003 → 8/2003		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Transporter 7J/7H (T5)	8/2003 → 11/2009		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7J/7H (T5)	8/2003 → 11/2009		Rear axle	85 mm	4934-8507 & 4930-1 & 4930-2 & 4934-2585/12	R154.58
Volvo						
C30	10/2006		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R165.37
C70 CC	1/2006		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R165.37
S40 2	3/2004		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R165.37
V50	3/2004		Front axle	78 mm	4934-3478/11 & 4930-1 & 4930-2	R165.37



4935 Wheel hub / cardan shaft extractor set

Made in Germany

- If using the optionally available HAZET Hollow Piston Cylinder 4932-17, even tight and stuck cardan shafts will not cause any problems
- Application: For the mechanical removal of cardan shafts using the threaded spindle HAZET 4935-44-M 20
- Suitable for: **ALFA ROMEO, AUDI, BMW, CITRÖEN, FIAT, LADA, LANCIA, MERCEDES-BENZ, VAUXHALL, PEUGEOT, RENAULT, SAAB, SEAT, VW** etc.



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HAZET No.		EAN-No. 4000896+
• Wheel hub / cardan shaft extractor set, contents: 4935-40-M 12 4935-41-M 14 4935-44-M 20 4935-45-M 14 4935-42 4935-43		
4935-2/15	15	164479
• Tension bolt M12 x 1.5		
4935-40-M12	–	166749
• Tension bolt M14 x 1.5		
4935-41-M14	–	166732
• Adapter 2 1/4"-14UNS		
4935-43	–	166664
• Hexagon collar nut M14		
4935-45-M14	–	165612
• Tension bolt M14 x 1.25 for wheel hub/ cardan shaft extractor set 4935-2/15 e.g. for BMW (F series), RENAULT model years →2000		
4935-46-M14	–	188604
• Bolt circle plate Ø 160 mm, for bolt circles Ø 90 to 130 mm		
4935-42	–	166657
• Threaded spindle 230 mm long		
4935-44-M 20	–	165629

1969 Sliding hammer

Made in Germany

- Striking weight 4.8 kg
- Application: For extracting 4, 5 and 6-hole wheel hubs, full-floating axles, brake discs, brake drums etc., together with HAZET Cardan Shaft Extractor Set 4935-2/15 or the HAZET Adapter Plate 4935-42



1969 Sliding hammer



HAZET No.	l mm		EAN-No. 4000896+
1969-16/2	690	2	164462

4960 Wheel hub grinder

- Prevents the falsification of the wheel bolt tightening torque originated by corrosion
- Application: For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop fastener for quick changing of grinding wheels



HAZET No.		EAN-No. 4000896+
• With hexagon insert for firm hold at the device		
• 8-point profile enables safe and firm fixation of the grinding wheel to the base component		
• For wheel hubs with stud bolts (diameter of grinding zone 40 or 50 mm), e.g. FORD, PORSCHE, Volvo , Japanese passenger cars		
• Wear-resistant: approx. 50 vehicles per wheel		
12-part set, contents: 1 component made of aluminium 6 grinding wheels, diameter 50 mm 5 grinding wheels, diameter 40 mm		
4960 N-45/12	12	186860
• 5 spare grinding wheels (small) Ø 40 mm		
4960 N-40/5	5	187232
• 5 spare grinding wheels (small) Ø 50 mm		
4960 N-50/5	5	187126



Specialty tools

Chassis – Wheel Bearing / Wheel Hub



4960 Wheel hub grinder

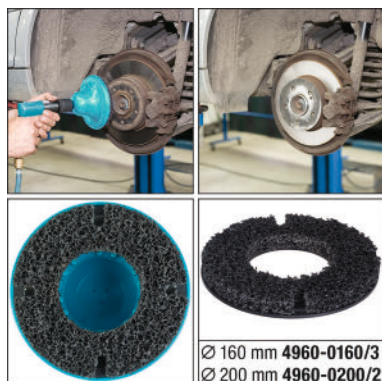
- Prevents the falsification of the wheel bolt tightening torque originated by corrosion



- Application: For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop fastener for quick changing of grinding wheels
- 10 mm 3-point pin, e.g. for the use in (air) drills



YouTube Clip



4961 Wheel hub grinder

- Prevents the falsification of the wheel bolt tightening torque originated by corrosion



- Application: For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop fastener for quick changing of grinding wheels



HAZET No.	Ø mm		EAN-No. 4000896+
Optimised for use on new wheel hubs with increased inside diameter (75 mm Ø), e.g. on BMW : X1, X3, X5, X6, 1-series, 3-series, 5-series, Touring, GT (Gran Turismo), 7-series, etc.			
• For wheel hubs up to a 160 mm on passenger cars and vans Ø			
• Wear-resistant: approx. 100 vehicles per wheel			
• Rotation speed: Max. 1,500 rpm			
• 4-piece set , contents:			
1 grinding pad, 3 grinding wheels Ø 160 mm			
4960-160/4	160	4	132287
For wheel hubs on passenger cars and transporters up to a Ø of 200 mm, e.g. BMW , FIAT Ducato, MERCEDES-BENZ Sprinter etc.			
• Wear-resistant: approx. 100 vehicles per wheel			
• Rotation speed: Max. 1,000 rpm			
• 3-piece set contents:			
1 grinding pad, 2 grinding wheels Ø 200 mm			
4960-200/3	200	3	143290
• 3 spare grinding wheels, Ø 160 mm			
4960-0160/3	160	–	132263
• 2 spare grinding wheels, Ø 200 mm			
4960-0200/2	200	–	143306

HAZET No.		EAN-No. 4000896+
• With hexagon insert for firm hold at the device		
• Special grinder for optimal cleaning of the bearing surface of a wheel rim (wheel hubs) on trucks and transporters with stud bolt		
• 8-point profile enables safe and firm fixation of the grinding wheel to the base component		
• Inside Ø max.: 23 mm		
• Grinding wheel Ø: 56 mm		
• Made in Germany (Base component made of aluminium)		
12-piece set , contents:		
1 base component made of aluminium		
5 grinding wheels for moderate soiling		
6 grinding wheels for heavy soiling		
4961 N-23/12	12	186754
• 5 spare grinding wheels for moderate soiling, outside Ø 56 mm, inside Ø max. 23 mm		
4961 N-023 M/5	–	187270
• 5 spare grinding wheels for heavy soiling, outside Ø 56 mm, inside Ø max. 23 mm		
4961 N-023 S/5	–	187287

HAZET – Specialty Tools for Professionals!





Silent Block

4925-2501 Tool set for silent blocks

Made in Germany

• For VW, AUDI, SEAT, ŠKODA

- Application: For removal and installation of the silent blocks located in the operating panel on the wishbone of the front axle
- Working on built-in components
- Tool set spares from axle alignment
- M12x1.75

VW Polo 9N model years 2002 → 2009, Fox 2005 →

AUDI A2 model years 2000 → 2005

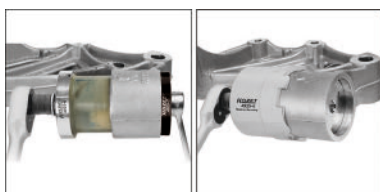
ŠKODA Fabia model years 2000 → 2004

SEAT Ibiza, Altea, Córdoba

model years 2003 → 2005

• Tool set for silent blocks, contents:

4925-4 5 6 7 8 A



HAZET
No.



EAN-No.
4000896+

4925-2501/5

5

159406

4925-2504 Tool set for silent blocks

Made in Germany

• For installation and removal of the rubber-plastic bearings or rubber-metal bearings at the rear axle

• Suitable for AUDI A3, VW Golf 4, Bora, New Beetle, ŠKODA Octavia 1997 →, SEAT Leon, Toledo 2001 →

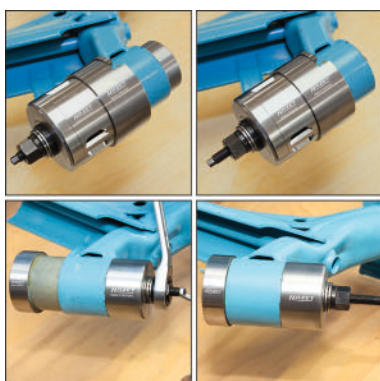
• Mechanical operation with spindle set 4929-1/3 (optional)

• Also to be used together with hollow piston cylinder 4932-17

• Tool set for silent blocks, contents:

4925-20 21 22 23 24 25 26 31

4930-821



HAZET
No.



EAN-No.
4000896+

4925-2504/9

9

168019

4925-2510 Spindle set for hydraulic operation

Made in Germany

• For tool set for silent blocks 4925-2504/9 and supplementary set 4925-2504/2

• Together with hollow piston cylinder 4932-17 for the hydraulic installation and removal of rubber-plastic bearings and rubber-metal bearings at the rear axle VW Golf 4, ŠKODA Octavia 1997 →, SEAT Leon, Toledo 2001 →

• Spindle M 12x1.5
max. capacity 5 tons

• Spindle set for hydraulic operation, contents:
4925-27 29 (2x)



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EAN-No.
4000896+

4925-27/3

422

3

168002

4925-2505 Tool set for silent blocks

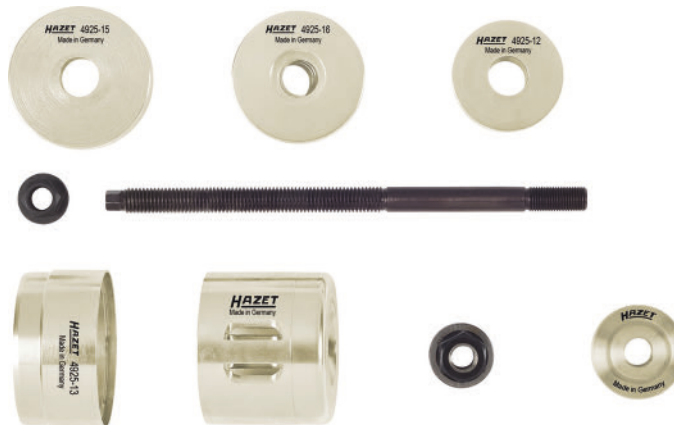
Made in Germany

• Application: For extracting and inserting silent block bushings on VW Transporter T5 rear axle TR14x2

• Tool set for silent blocks, contents:

4925-10 11 12 13 14 15 16 17

4930-721



HAZET
No.

l
mm



EAN-No.
4000896+

4925-2505/9

259

9

167920



Specialty tools

Chassis – Silent Block



4925-2506 Tool set for silent blocks

Made in Germany

- Silent block replacement from the installed axle control arm/ longitudinal control arm, wheel bearing housing and lower/inside transverse control arm as well as from the upper steering tie rod and the upper transverse control arm, when removed from the vehicle

For rear axis silent blocks in:

VW: Golf 5 Plus / Variant / 4Motion, model years 2005 → 2012, Jetta / Syncro, model years 2006 → 2012, Scirocco, model years 2009 → 2012, Beetle, model years 2012 →, Eos, model years 2006 → 2012, Golf 6, Touran, Tiguan, Passat
SEAT: Altea, model years 2004 → 2012, Altea XL, Leon, model years 2006 → 2012, Toledo, model years 2005 → 2009
SKODA: Octavia, Superb, Yeti 2004 →, **AUDI:** A3 / S3 model years 2004 → 2012, TT / TTS Coupe/Roadster, model years 2007 → 2012, Q3

Mechanical operation with spindle set 4929-1/3 (optional)

Tool set for silent blocks, contents:

4925-26 31 32 33 34 35 36 37 38 39 40 41 42 43 44
 4930-721



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HAZET No.		EAN-No. 4000896+
4925-2506/16	16	175246

4925-2509 Tool set for silent blocks

Made in Germany

- Allows installing / removing directly on the vehicle

Application: For silent block installation and removal at the lower wishbone of the front axle

AUDI A3 model years 2003 → 2012

SEAT Alhambra model year 2010, Altea model years 2004 → 2009, Leon model years 2005 → 2012, Toledo model years 2004 → 2009

SKODA Octavia model years 2004 → 2010, Superb model years 2008 →

VW Caddy model years 2004 → 2010, Eos model years 2006 →, Golf 5/6 model years 2003 → 2012, Jetta model years 2005 → 2010, Passat model years 2005 → 2011, Scirocco model years 2008 →, Touran model years 2003 → 2010, Tiguan model years 2007 →, Sharan model years 2008 →

Pre-centring of the silent block allows damage-free installation

No extensive installation at the workshop press necessary

Easy operation with mechanical spindle HAZET 4929-1/3 (optional)

Tool set for silent blocks, contents:

4825-54 55 56 57



4925-2509 Tool set for silent blocks



YouTube Clip

HAZET No.		EAN-No. 4000896+
4925-2509/4	4	191116

4925-2510 Tool set for double silent blocks

Made in Germany

- For removal and installation of the double silent block in the aggregate carrier

AUDI: A3, Q3, TT model years 2003 →

SEAT: Leon, Altea, Alhambra 2004 →

SKODA: Octavia, Superb, Yeti 2004 →

VW: Caddy, Golf 5-6, Jetta, Passat, CC, Sharan, Scirocco, Eos, Touran, Tiguan since 2003

For operation with HAZET spindle set 4925-67/2 (optional)



YouTube Clip

HAZET No.		EAN-No. 4000896+
4925-2510/9	9	194926

4925-2510 Spindle set

Made in Germany

- Motion screw thread at spindle and axial groove bearing of the compression nut cause high tractive and compressive output with little effort (torque)

Application: For use with tool set for double silent blocks HAZET 4925-2510/9

2-piece set:

4925-67 spindle TR 14 x 2 mm

4925-11 compression nut with axial groove bearing



HAZET No.	l mm		EAN-No. 4000896+
4925-67/2	259	2	194940



4925 Plastic silent block tool set

Made in Germany

- **Supplement for tool set for silent blocks 4925-2501/5**
- Application: For the removal and installation of the plastic silent block in the bearing support of the rear suspension on the lower wishbone
- Removal or installation of the silent block in the installed condition of the bearing block on the vehicle
- Axle alignment thus no longer necessary (time saved: up to 1.5 hours, incl. setting)
- **AUDI** A3 model years 2003 → 2012, Q3 model year 2011→
- **SEAT** Alhambra model year 2010, Altea model years 2004 → 2009, Leon model years 2005 → 2012, Toledo model years 2004→2009
- **ŠKODA** Octavia model years 2004 → 2010, Superb model year 2008, Yeti model year 2009→
- **VW** Caddy model years 2004 → 2010, Eos model years 2006→, Golf 5/6 model years 2003 → 2012, Jetta model years 2005 → 2010, Passat model years 2005 → 2011, Scirocco model years 2008→, Touran model years 2003 → 2010, Tiguan model years 2007→, Sharan model years 2008→
- Contents:
1 housing 4930-721
1 adapter 4925-69



HAZET No.		EAN-No. 4000896+
4925-69/2	2	199358

4925 Adapter

Made in Germany

- Adapters for housing 4930-721



HAZET No.		EAN-No. 4000896+
4925-69		199365

4929 Spindle set

Made in Germany

- For operation of the tool sets for silent blocks
4925-2504/9 -2506/16 -2509/4
4929-2901/4 -2902/3 -2903/2 -2904/4
- Motion screw thread at the spindle and axial groove bearing at the thrust block cause high tractive and compressive output by low expenditure of force (torque)
- **3-piece set**, contents:
4929-1 spindle TR 12x1.5
4929-2 compression nut with axial bearing s 24
4929-3 hexagon nut



HAZET No.	l mm		EAN-No. 4000896+
4929-1/3	225	3	156900

4929 Tool set for silent blocks

Made in Germany

- To be used together with 4929-1/3 (optional)
- Surface: galvanised, yellow passivated (free from Cr 6)
- Pressure pieces for extracting and inserting the **ball joint at the rear wheel carrier**
- **BMW** types:
5-series: E39 – E60 – E61 – E70
6-series: E63 – E64
7-series: E38 – E65 – E66 – E67
8-series: E52
- **4-piece set**, contents:
4929-4 support bushing
4929-5 support disc
4929-6 extraction pressure sleeve
4929-7 insertion pressure sleeve



4929 Tool set for silent blocks

HAZET No.		EAN-No. 4000896+
4929-2901/4	4	156825

Made in Germany

- To be used together with 4929-1/3 (optional)
- Surface: galvanised, yellow passivated (free from Cr 6)
- Device for extracting and inserting **ball joint and rubber mounting in the longitudinal control arm**
- **BMW** types:
3 series: E36 – E46 – E83
Z4: E85 – E86
- **3-piece set**, contents:
4929-8 extraction spacer sleeve
4929-9 extraction piece
4929-11 insertion spacer sleeve



HAZET No.		EAN-No. 4000896+
4929-2902/3	3	156795

Made in Germany

- To be used together with 4929-1/3 (optional)
- Surface: galvanised, yellow passivated (free from Cr 6)
- For extracting and inserting the **rubber mounting at the lower rear axle carrier, screw connection of the rear-axle transmission**
- **BMW** types:
3-series: E36 – E46 – E83
8-series: E31
Z4: E85 – E86
- To be used together with 4929-1/3
- **pat set**, contents:
4929-12 spacer sleeve
4929-13 pressure piece
to be used together with 4929-14 and 4929-18



HAZET No.		EAN-No. 4000896+
4929-2903/2	2	156801

Made in Germany

- To be used together with 4929-1/3 (optional)
- Surface: galvanised, yellow passivated (free from Cr 6)
- For extracting and inserting **rubber mountings of the gearbox suspension**
- **BMW** types:
1 series: E81 – E87
3 series: E36 – E46 – E83 – E90 – E91 – E92 – E93
5 series: E60 – E61
6 series: E63 – E64
7 series: E38 – E65 – E66 – E67
8 series: E31
Z4: E85 – E86
MINI type: Cooper S: R53
- For extracting and inserting **rubber mountings of the gearbox suspension of the rear axle, front and rear**
- **BMW** types:
3 series: E36, 8 series: E31
- **4-piece set**, contents:
4929-14 bushing
4929-15 extraction pressure piece
4929-16 insertion pressure piece
4929-17 insertion pressure plate



HAZET No.		EAN-No. 4000896+
4929-2904/4	4	156788



Specialty tools

Chassis – Silent Block



4925-3401 Tool set for silent blocks

- Application: For operating the silent block on the rear axle longitudinal carrier
- **FORD** Focus since 2007 as well as **Volvo** C30, C70 Cabriolet, S40, V50
- **MAZDA** 3 (BK) 1.6 2.0, 5 (CR19) 1.8 2.0 (CW) 2.0
- For use with press frame set 4926-2/6 and HAZET hollow piston cylinder 4932-17 with adapter 4932-M°20

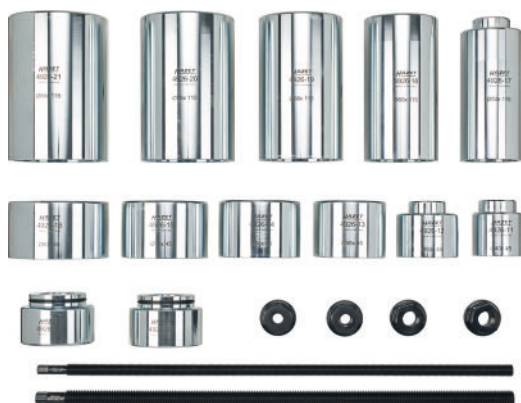


HAZET No.		EAN-No. 4000896+
4925-3401/4	4	180417

4926 Universal tool set for silent blocks and joint bearings

Made in Germany

- For the professional installation and removal of silent blocks and joint bearings with a $\varnothing$ of 40–71 mm, mechanical drive with enclosed spindles (from inside bore $\varnothing$ of min. 10 mm on) M10x1.25 or M14x2
- May be used optionally with hollow piston cylinder HAZET 4932-17
- Usage of a press frame enables installation and removal of silent block bushings etc. in ball joints.

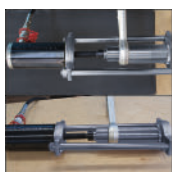


HAZET No.	l mm		EAN-No. 4000896+
4926-1/19	395	19	164493

4926 Press frame for the universal tool set for silent blocks and joint bearings

Made in Germany

- Application: For extracting and inserting bushings and supporting joints
- **Supplementary set, 6 pieces**, for the hydraulic operation of the universal tool set for silent blocks and joint bearings 4926-1/19 as well as tool set for silent blocks 4925-3401/4 together with HAZET hollow piston cylinder 4932-17
- 3 stems M10x1.25 M14x2 M20 included



4926 Press frame for the universal tool set for silent blocks and joint bearings

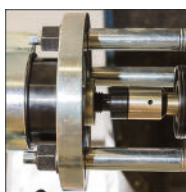


HAZET No.		EAN-No. 4000896+
4926-2/6	6	164486

4926 Thrust block for cardan shaft

Made in Germany

- Surface: galvanised, passivated (free from Cr 6)
- For hydraulic removal of glued or pressed cardan shafts together with the HAZET hollow piston cylinder 4932-17 and pressure spindle 4926-2-M 20
- With centring tip

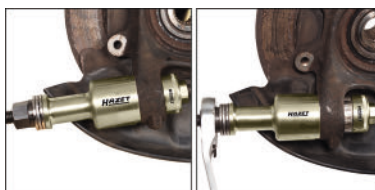


HAZET No.	l mm	EAN-No. 4000896+
4926-5	98	181162

4927-2701 Traction device for joint bearings

- For installation and removal of the joint bearing at the wheel bearing housing or at the rear axle without removing the wheel bearing housing

- E.g. for **MERCEDES-BENZ** models 124, 201, 202, 203, 204, 208, 209, 210, 211, 212, 140
- Ball and socket joint set comprising:
 - 4925-14 spindle TR 14 x 2
 - 4925-11 spindle nut TR 14 x 2,
 - 4927-2701 housing for removal and installation
 - 4927-2702 pressure sleeve for removal and installation
- Spindle 4925-14 and spindle nut 4925-11 from tool set for silent blocks 4925-2505/9
- Traction device for joint bearings, contents
 - 4925-11 14
 - 4927-2701 2702



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HAZET No.		EAN-No. 4000896+
4927-2701/4	4	180752

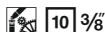


Cardan Shafts

1847 Clamp pliers for axle boots

Made in Germany

- Application: For installing **axle boots made of Hytrel** and clamps made of special steel with pre-set **torque tightening values** in conjunction with e.g. torque wrench HAZET 6110-1 CT
- For **VW, AUDI, SEAT, ŠKODA, VAUXHALL, FORD**, etc.
- Ergonomically shaped HAZET 2-component handle



10 3/8



HAZET No.	l mm	EAN-No. 4000896+
1847	178	050918
• Pair of clamping jaws for steering gear boots AUDI A4 / A5 / A6 / A7 / Q5 in conjunction with 1847 (for refitting)		
1847-02/2	–	174447

1847 Pliers for axle boot clamps

Made in Germany

- With lug holding-down device



- Application: For passenger car **axle boot clamps**
- For e.g. on **VW, AUDI, VAUXHALL, MERCEDES-BENZ, HONDA, NISSAN, MAZDA**
- Surface: nickel-plated

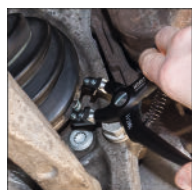


HAZET No.	l mm	EAN-No. 4000896+
1847-1	230	007004

1847 Clamp pliers

Made in Germany

- Application: Operation of **progressively adjustable, earless clamps** e.g. for axle boots on **VW, AUDI, MERCEDES-BENZ and TOYOTA**



HAZET No.	l mm	EAN-No. 4000896+
1847-11	191	079520

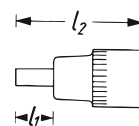
2584 Screwdriver socket

Made in Germany

- Application: Cardan shaft screw connection (s 6 mm)
- Long design
- With knurling



125 1/2



HAZET No.	S mm	l1 mm	l2 mm	EAN-No. 4000896+
2584	6	32	70	017041

1847 Circlip pliers

Made in Germany

- Application: For snap rings on **outside lockrings**, e.g. gearbox
- Jaws bent 90°, tips chequered
- For outside lockrings
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-2	200	007011

Made in Germany

- Application: For snap rings on **VW, AUDI, VAUXHALL, FORD**
- For homocinetic joint or drive shaft
- Jaws bent 10°, tips chequered
- For outside lockrings
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-3	200	007028

Made in Germany

- Application: For circlips on exterior cardan shaft / bearing and gearbox for **VW, AUDI, SEAT, ŠKODA, VAUXHALL, FORD** etc.
- Jaws bent 30°
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1847-6	200	050468



Specialty tools

Chassis – Wheels / Tyres / Tyre pressure control system



1847 Circlip pliers

Made in Germany

- Application: Operation of snap rings / circlips on flange and cardan shafts for **VW** e.g. T 4
- Jaws bent 30°
- Surface: chrome-plated

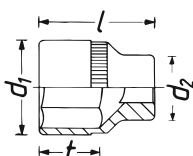


HAZET No.	l mm	EAN-No. 4000896+
1847-61	200	058761

3047 Impact socket (12-point)

Made in Germany

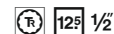
- For operating the 12-point cardan shaft screw connection s 36 mm in the wheel hub
- Considerably smaller outer diameter **only 47 mm** $\varnothing$ than conventional standard sockets
- Optimally suited to the given spaces in the wheel hub
- For **VAUXHALL** Corsa D 2006→, Adam 2012→, Mokka 2012→
CHEVROLET Trax 2013→
Also suitable for **BMW**, **SEAT** and **VW** vehicles
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
3047-36	36	60	47	30	25	190683

900 SZ Impact socket set

Made in Germany



- Application: For operation of drive and cardan shaft screw connections, e.g. s 24 mm for **VW** Touran since 2006 and Passat C s 30 mm for axle shaft nut on **VW** Golf 4, Polo and New-Beetle, **AUDI** TT 1.8, **ŠKODA** Octavia, Superb, Fabia s 32 mm for operation of the cardan shaft screw connection in the wheel hub on **VW** Touareg since 2003 s 36 mm for axle shaft nut on **BMW** 3 series, 5 series, 7 series, Z3, M3, VW Polo since 2001, Golf Plus 1.8 TDI since 2005, **SEAT** Ibiza since 2002
- Surface: phosphatised, oiled



900 SZ • 12 1/2 • 12 1/2
24 • 30 • 32 • 36



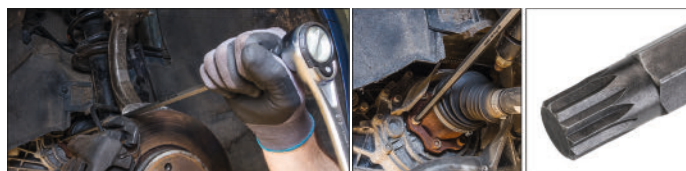
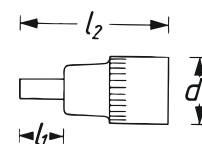
HAZET No.	l mm	EAN-No. 4000896+
900 SZ/4	4	156375

990 VLG Screwdriver socket

Made in Germany



- Putting together different tools is not necessary due to the length of the socket
- Application: To operate drive shaft screw connections from outside through the wheel arch on **VW**, **AUDI**, **SEAT**, **ŠKODA**
- Extra long design
- With knurling



HAZET No.	M	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
990 V Lg- 8	8	762	800	23	201815
990 V Lg-10	10	762	800	23	201822

Wheels / Tyres / Tyre pressure control system

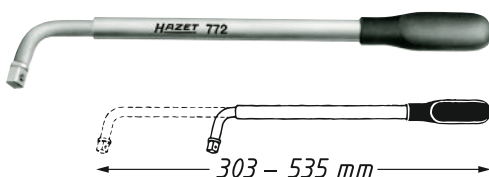
772 Telescopic wheel nut wrench

Made in Germany

- Solid telescopic part, drop forged
- For sockets of the series 900
- Surface: chrome-plated



360°



HAZET No.	S mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
772	12 1/2	303	535	030897

665 Balance weight pliers

Made in Germany

- Application: For installing, removing and cutting **balance weights**
- Also for expanding and compressing the retaining springs
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
665	245	029204



665 Balance weight pliers

Made in Germany

- With plastic head on the hammer side



- Application: For fastening, loosening and cutting **balance weights**
- Especially for **lacquered weights**
- Also for expanding and compressing the retaining springs
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
665-1	245	029228

705 Four-way rim wrench

Made in Germany

- For passenger cars, vans and people carriers
- Surface: chrome-plated
- DIN 3119, ISO 6788



HAZET No.	S mm	l mm	EAN-No. 4000896+
705 N	17x19x13/16x21	380	029389
• With 12.5 = 1/2" for sockets of the 900 series			
705 V-02	17x19x22x12.5 1/2	380	029396

Made in Germany

- For passenger cars, vans and people carriers
- Surface: chrome-plated
- DIN 3119, ISO 6788
- Firmly secured sleeves to prevent scratches in the rim hole
- Coloured sleeves for quick recognition of wrench sizes
- All common wrench sizes in one
- With 12.5 = 1/2" for sockets of the 900 series



HAZET No.	S mm	l mm	EAN-No. 4000896+
705 V	17x19x21x12.5 1/2	380	196388

650 Tyre lever

Made in Germany

- Double-T profile ensures high stability
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• For motorcycles		
650- 8	199	028672
• For passenger cars and vans		
650-12	303	028627
650-16	396	028634
650-20	500	028641
650-24	598	028658

650 K Tyre lever

Made in Germany

- With replaceable plastic coating fixed by screws



- Application: For installing and removing tyres on steel and esp. on **aluminium rims**
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
650 K-20	500	028696

652 Tyre lever

Made in Germany

- For commercial vehicles, agricultural & construction machinery
- Heavy design



HAZET No.	l mm	EAN-No. 4000896+
652	600	028702

653 Tyre lever

Made in Germany

- Especially for tubeless tyres
- Heavy design



HAZET No.	l mm	EAN-No. 4000896+
653	456	028719

666 Valve tool

Made in Germany

- Application: For installing and removing tyre valve cores
- For pushing in the valve pin when deflating the tyre, e.g. on passenger cars, vans and commercial vehicles



HAZET No.	EAN-No. 4000896+
666-1	087136



Specialty tools

Chassis – Wheels / Tyres / Tyre pressure control system



666 Tyre tread depth gauge

Made in Germany

- Graduation in 0.1 mm steps for an exact determination of the tread depth

- Application: Measure tyre profile depth
- Glare-free reading
- Measuring depth 30 mm
- Lightweight and easy to handle
- Very robust – made of hard brass
- In practical storage case



HAZET
No.

EAN-No.
4000896+

666-5

129164

666 Pliers for wheel nut caps

Made in Germany

- The pliers' jaw tips are specially shaped for the protection caps

- Application: Damage-free removal of the wheel bolt protection caps on aluminium rims
- For e.g. on AUDI, VW and VAUXHALL
- Surface: bright chrome-plated, handle with dip coating



HAZET
No.

l
mm

EAN-No.
4000896+

666-10

160

110575

668 Sensor assembly tool for VDO REDI sensors

Made in Germany

- Very easy application, very fast assembly, just a few seconds per sensor

- Application: For quick, precise and above all damage-free work with VDO REDI sensors
- Exact positioning of the sensor in the rubber container
- Application: If a tyre has to be replaced due to damage or wear, only a new, cheap rubber container is glued in the new tyres. The valuable available sensor is now simply inserted again with the HAZET item 668-1 sensor tool
- VDO currently has 4 sensors for many BMW, CHEVROLET, CITROËN, DACIA, FORD, HYUNDAI, JEEP, KIA, LEXUS, MERCEDES-BENZ, MINI, MITSUBISHI, NISSAN, PEUGEOT, RENAULT, SMART, SUZUKI, TOYOTA, VAUXHALL and Volvo models



VDO is a registered trademark of the company Continental Automotive GmbH

HAZET
No.

EAN-No.
4000896+

668-1

202508

669 Tyre pressure control system tool set (TPMS)

Made in Germany

- With torque screwdriver for precise tightening torque of 3–5.4 Nm

- Easy and professional installation of sensor and valve on every rim
- Enables installing and removing tyre valve cores
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- **Note:** According to an EU-regulation since 11/2012 all homologated vehicles must be equipped with tyre pressure control systems. Such a system will be obligatory for all new cars from 1st November 2014 onwards (see EU-regulation no. 661/2009 and ECE-regulation no. 64)



850 LG • 1/4" • 11 • 12

2304 • 1/4" • 6.3 1/4"

2223 • 1/4" • T 15 • T 20

6001-5.4/3 • 1/4"



HAZET
No.

L x W x H
mm

8

EAN-No.
4000896+

669-2

185x153x52

186709

Made in Germany

- With torque screwdriver (0.4 - 1.4 Nm) and torque wrench (1–9 Nm)

- Easy and professional installation of sensor and valve on every rim
- For installing and removing tyre valve cores
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



666-6 • 1/4"

850 LG • 1/4" • 11 • 12

8502 • 1/4" • T 10 • T 15 • T 20

5107-2 CT • 1/4"

6001-1.4/3 • 1/4"



HAZET
No.

L x W x H
mm

10

EAN-No.
4000896+

669/10

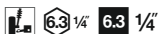
355x235x65

191079



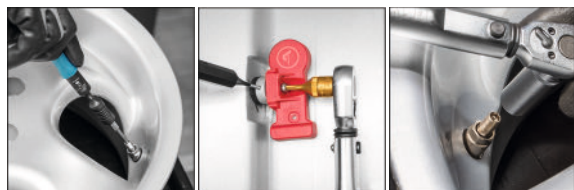
669 Tyre pressure control system tool set (TPMS)

Made in Germany



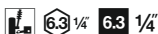
• Easy and professional installation of valve and sensor screw connections of 0.1–9 Nm (observe manufacturer specifications)

- Installation and removal of the valve cores in tyre valves of all vehicle brands
- Torque screwdriver HAZET 6001-0.6/3, (0.1–0.6 Nm) ± 10 % Release accuracy tolerance and click signal
- Torque wrench HAZET 5107-2 CT (1–9 Nm) Release accuracy tolerance ± 6%
- Also suitable for tightening torques from > 8 to 9 Nm, especially e.g. for:
- **RENAULT** Megane II, Scenic II, Scenic II Restyle
- **JEEP** Grand Cherokee
- **HYUNDAI** i20; i30
- **KIA** Cee'd SW, Pro Cee'd, Soul 1.6 CVT
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



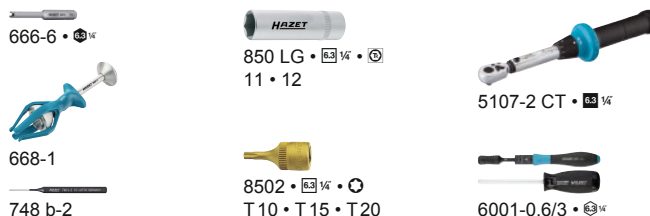
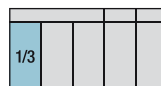
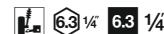
HAZET No.	L x W x H mm		EAN-No. 4000896+
669/11	355x235x65	11	199983

• Very easy application, very fast assembly, just a few seconds per sensor



- Application: The tool set for all valve and sensor screw connections as well as VDO(*) REDi sensors with container currently on the market
- Installation and removal of the valve cores in tyre valves of all vehicle brands
- Easy and professional installation of valve and sensor screw connections of 0.1–9 Nm (observe manufacturer specifications) on every rim
- Even with tightening torques of over 8 Nm, such as those with **RENAULT** Megane II, Scenic II, Scenic II Restyle, **JEEP** Grand Cherokee, **HYUNDAI** i20, i30, **KIA** Cee'd SW, Pro Cee'd, Soul 1.6 CVT
- Exact positioning of all current VDO(*) REDi sensors for many **BMW**, **CHEVROLET**, **CITROËN**, **DACIA**, **FORD**, **HYUNDAI**, **JEEP**, **KIA**, **LEXUS**, **MERCEDES-BENZ**, **MINI**, **MITSUBISHI**, **NISSAN**, **PEUGEOT**, **RENAULT**, **SMART**, **SUZUKI**, **TOYOTA**, **VAUXHALL** and **Volvo** models
- SmartCase (1/3) 165-L
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant

669 Tyre pressure control system tool set (TPMS)



(*) VDO is a registered trademark of the company Continental Automotive GmbH

HAZET No.	L x W x H mm		EAN-No. 4000896+
669/12	355x235x65	12	204298

654 Universal axle lever

• Various applications; pivoting and 6 position adjustment



• Application: For the removal of ball joints, wishbones and further axle components



HAZET No.	EAN-No. 4000896+
654-1	161089



Electricity / Battery Service

Electrical Testing

2152 Electronic set

- Torque tester for motor vehicle electricity and electronics



- Application: For troubleshooting on electronic components
- 3–48 Volt
- Tension indication with 2 LED (= tension and positive or negative pole)
- Probe tip, needle with sliding mechanism, additional set of crocodile clip and probe tip
- Cable length 130 cm
- Set of 3 pieces



HAZET No.	l mm		EAN-No. 4000896+
• Electronic set, contents 2152 2152-01 02			
2152/3	156	3	013098
• Basic unit	156	–	013067
• Crocodile clip only			
2152-01	62	–	013074
• Probe tip only			
2152-02	98	–	013081

2152 Electric multifunction tester

- Made in Germany



- With LED display and integrated lighting

- Application: For testing electrical components, e.g. electrical fuel pumps, relays, lamps, window lift motors, etc.
- Especially for the workshop area (motorcycles, passenger cars, commercial vehicles, boats)
- 12–24 Volt
- Cable length 6 m with integrated lighting
- Short circuit proof 7.5 A
- Optimal lighting of the inspection area
- Several acoustical signals
- Immediate checking of polarity due to LED-display red/green
- Detects bonding defaults
- Continuity test: e.g. relays, safety fuse, switches, wiring, etc.
- Self-testing function



HAZET No.	EAN-No. 4000896+
2152-5	144440

2153 Car light tester

- Made in Germany



- With probe tip (10 mm long) and protection cap
- Cable with crocodile clip
- 6–24 Volt
- Tester with soffit

Not to be used on vehicles with electronic components. For vehicles with electronic components see HAZET 2152/3



HAZET No.	l mm	EAN-No. 4000896+
2153	120	013111

Battery Service

4650 Battery filler

- Made in Germany



HAZET No.	l mm	EAN-No. 4000896+
4650-0	256	022007

4650 Acid tester

- Made in Germany



- With aerometer

- Application: For checking the acid content of the battery fluid
- Solid plastic housing – significantly reduced risk of breakage compared to glass enclosures



HAZET No.	l mm	EAN-No. 4000896+
4650-1	280	022014

4650 Special tool for battery plugs

- Special length allows universal application in areas with restricted access



- Application: For screwing battery plugs in and out
- Profile is especially suitable for battery plugs
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	mm	mm	l mm	EAN-No. 4000896+
4650-3	14.5	1.7	95	102051

4650 Battery pole and terminal brush

- Made in Germany



- Application: Cleaning the terminal posts and clamps



HAZET No.	l mm	EAN-No. 4000896+
4650-4	120	022038



4650 Battery cell tester

- Measuring range 6 and 12 volt for application on passenger cars and motorcycles
- Application: Fast diagnosis of the charging system and state of the battery

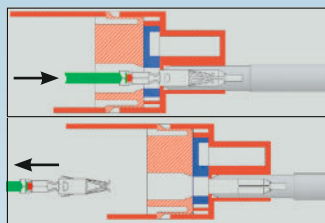
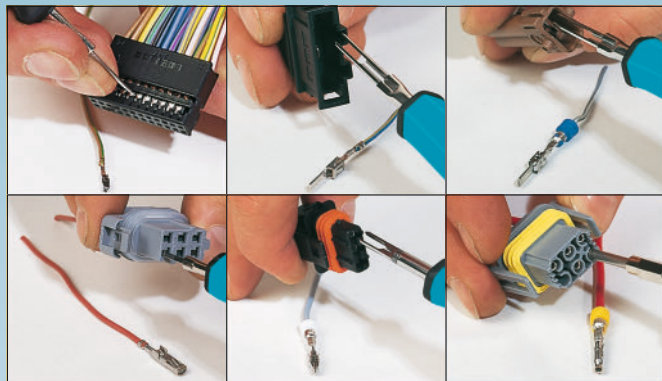


HAZET No.	l mm	EAN-No. 4000896+
4650-5	333	022045

Contacts / Plug connections / Cable unlocking tool

SYSTEM cable release tool

- For professional working
- High ease of use
- Safe application
- OEM quality "Made in Germany"
- Malfunctions due to loose contacts can be remedied easily, quickly and professionally
- Universal application in the field of car electricity
- With sliding caps protecting the blades from damage and avoiding the risk of injury
- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts



4670 SYSTEM cable release tool assortment

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- Plastic box
- Soft foam insert
- Basic set for approx. 80 % of all passenger car plug contacts



4671
4671-1 • 4671-2 • 4671-3



4672
4672-1 • 4672-2
4672-3 • 4672-4



4673
4673-1 • 4673-2 • 4673-3
4673-4 • 4673-5



HAZET No.		EAN-No. 4000896+
4670-1/12	12	132898

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- Plastic box
- Soft foam insert
- Extension set for VW – AUDI – SEAT – ŠKODA



4671
4671-9 • 4671-10



4672
4672-11 • 4672-12 • 4672-13
4672-14 • 4672-15



4673
4673-12 • 4673-13



4674-4



HAZET No.		EAN-No. 4000896+
4670-4/10	10	135530

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- Plastic box
- Soft foam insert



4671
4671-4 • 4671-5 • 4671-11



4672
4672-5 • 4672-6
4672-7 • 4672-16
4672-19 • 4672-20



4674
4674-1 • 4674-7 • 4674-8



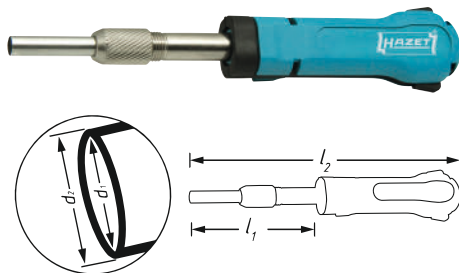
HAZET No.		EAN-No. 4000896+
4670-5/12	12	135646



4671 SYSTEM cable release tool

🇩🇪 **Made in Germany**

• Application: For damage-free releasing of **round contacts**



HAZET No.	d ₁ mm	d ₂ mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
• ABS 4.0 mm round connector					
4671-1	6	6.5	73	158	135219
• 3.5 mm round connector system					
4671-2	4.1	4.7	51	136	135288
• 1.5 mm round connector system					
4671-3	2.9	3.3	62	147	135295
• 2.5 mm round connector					
4671-4	4	4.4	52.5	137.5	135394
• LKS 1.5 mm pin-side					
4671-5	2.8	3.6	61.5	146.5	135400
• LKS 1.5 mm bush-side					
4671-6	2.8	3.1	53	138	135417
• Release tool for round connector system 3.5 mm					
4671-9	4.2	5	52.5	137.5	135622
• Release tool for round connector system antenna contact					
4671-10	4.8	5.2	53.5	138.5	135639
• ABS mounting help					
4671-11	4	6.5	50.5	135.5	135653
• ABS bushing					
4671-15	–	–	–	–	135837
• Round connector system					
4671-16	2.9	3.5	57	142	135844

4672 SYSTEM cable release tool

🇩🇪 **Made in Germany**

• Application: For damage-free releasing of **flat plug contacts**



HAZET No.	EAN-No. 4000896+
• Micro Timer II	
4672-1	135042
• Maxi Power Timer	
4672-2	135073
• Pit Pod / Faston 6.3 mm	
4672-3	135097
• JPT / SPT	
4672-4	135165
• MLK 1.2 mm	
4672-5	135325
• SLK 2.8 mm P	
4672-6	135356
• LSK 8	
4672-7	135370
• Sicma contact 2.8 mm	
4672-8	135387
• MCP 1.5 mm / contact width 1.5 mm	
4672-11	135561
• Flat connectors with 2 snap-in pins / contact width 4.8 mm (e.g. ISO-connector car radio)	
4672-12	135578
• Flat connectors with one housing catch / contact width 6.3 mm	
4672-13	135585
• DCS 2 contact	
4672-14	135592



4672 SYSTEM cable release tool



HAZET No.	EAN-No. 4000896+
• Flat connectors with 2 snap-in pins / contact width 2.8 mm	
4672-15	135615
• E-95	
4672-16	135677
• MCP 4.8 mm	
4672-19	135714
• MCP 2.8 mm	
4672-20	135738
• MCP 9.5 mm	
4672-21	135790
• Ducon 9.5	
4672-22	135813

4673 SYSTEM cable release tool

Made in Germany

- Application: For damage-free releasing of micro-standard timer, secondary locking and various lock catches



4673 SYSTEM cable release tool

HAZET No.	EAN-No. 4000896+
• Micro Standard	
4673-1	134946
• Standard 2.72 mm	
4673-2	134953
• Standard 1.48 mm	
4673-3	134977
• Standard Timer 1.89 mm	
4673-4	134991
• Release tool for secondary locking	
4673-5	135301
• Additionally for single groove JPT contacts	
4673-6	135332
• Leaf spring connector (Micro-Timer)	
4673-7	135349
• Secondary locking FCI	
4673-8	135424
• Flat connectors with one lock catch (various contact widths) Yazaki 1.5 and 2.8	
4673-12	135547
• Flat connectors with housing catch	
4673-13	135554

4674 SYSTEM cable release tool

Made in Germany

- Application: For damage-free releasing of various plug contacts



HAZET No.	EAN-No. 4000896+
• SLK 2.8 mm P & S	
4674-1	135363
• Flat connectors with 2 snap-in pins / contact width 6.3 mm	
4674-4	135608
• GSK combi	
4674-7	135721
• Pin 5-7 pins	
4674-8	135769
• MKS/MKR 1.5	
4674-9	135806
• VKR contact	
4674-10	135868



Specialty tools

Electricity / Battery Service – Alternator / Radio removal



Alternator / Radio removal

1789 N Pulley extractor

Made in Germany

- Application: For removing **passenger car, SUV and transport vehicle pulleys**

Extractor for pulleys **with thread holes**, operation with:

- 1 crossbar, short, for pulleys 43–120 mm Ø
- 1 crossbar, long, for pulleys 95–210 mm Ø

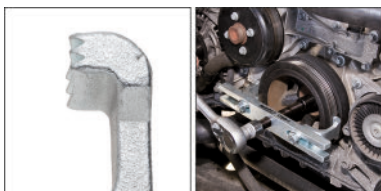
- 3 exchangeable pressure pieces, serving as spindle extension

Extractor for pulleys **without thread holes** (hook grip behind pulley), application with:

- 1 crossbar, short, for pulleys 23–100 mm Ø
- 1 crossbar, long, for pulleys 85–195 mm Ø
- Puller hooks for a span depth up to 68 mm or extension up to 88 mm

Extractor with **2 groove hooks** (fit into the grooves of the pulley, if gripping behind is not possible), application with:

- 1 crossbar, short, for pulleys 80–140 mm Ø
- 1 crossbar, long, for pulleys 135–235 mm Ø



HAZET
No.

1789 N-1

EAN-No.
4000896+

158621

2592 V-(ribbed) belt pulley adapter

Made in Germany

- Adapter with internal serration

- Application: Installation or removal of the **V-(ribbed) belt pulley** at the generator,

For e.g. VALEO, BOSCH etc. on **VW, AUDI, ŠKODA and SEAT**



HAZET
No.

2592

S
mm

19.6

mm

17

l
mm

30

EAN-No.
4000896+

057443

4641 V-(ribbed) belt pulley tool

Made in Germany

- Application: Installation or removal of the **V-(ribbed) belt pulley** at the generator (BOSCH)

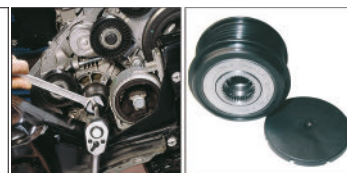
• **VW, AUDI, ŠKODA, SEAT, PORSCHE, MERCEDES-BENZ, FORD, Volvo** etc.



2592 • Ø
19.6



2751 • 129 1/2 • Ø
M 10



HAZET
No.

4641/2

l
mm

140

mm

2

EAN-No.
4000896+

081479



HAZET – Specialty Tools for Professionals!



4641 V-(ribbed) belt pulley tool

Made in Germany



- Application: For installing and removing the V-(ribbed) belt pulley at generators
- Assembly tool set for working on the built-in or dismantled generator
- Control of the screwing
- **TORX**® and XZN screwdriver sockets for different inside profiles
- The generator is locked with the respective screwdriver socket and the screwing of the belt pulley is operated with the adapter with internal serration
- Application on **VW, AUDI, ŠKODA, SEAT, PORSCHE, MERCEDES-BENZ, FORD, RENAULT, Volvo** etc.

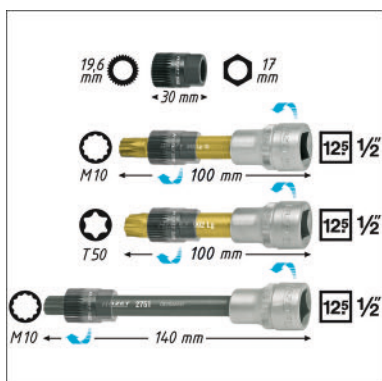


2592 • Ø 19.6

2751 • 1/2 • M 10

990 LG • 1/2 • M 10

992 LG • 1/2 • T 50



HAZET No.



EAN-No. 4000896+

4641/4

4

103157

4641 V-(ribbed) belt pulley tool set

Made in Germany

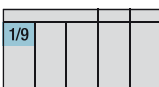


- Suitable for approx. 95% of all common vehicle types with free-running V-(ribbed) belt pulleys

- Application: For installing and removing the free-running V-(ribbed) belt pulley at the generator
- For control of the screwing
- Choose the right socket to lock the generator and operate the belt pulley screw with the corresponding adapter
- SmartCase (1/9) 165-S
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant
- V-(ribbed) belt pulley tool set, contents
 - 2592 Ø 17 mm
 - 2310 Lg-10 Ø 10 mm
 - 2312 Lg-10 Ø M 10
 - 2324 Lg-T 50 Ø T 50
 - 4642-1 Ø 19 mm



HAZET SMART Case



HAZET No.

L x W x H mm



EAN-No. 4000896+

4641-2/5

185 x 153 x 52

5

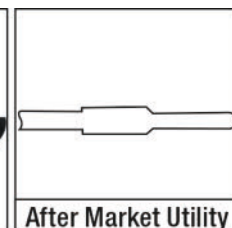
186013

4655 Radio dismantling tool

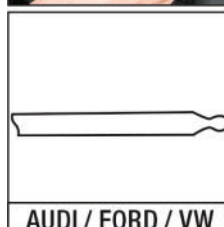
- All applications in one tool – no need to search the right tool



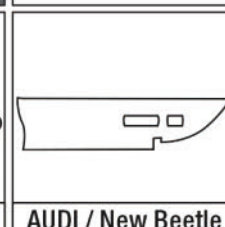
- Application: Installation and removal of car radios of numerous car and radio manufacturers
- **VW, AUDI, FORD, BMW, MERCEDES-BENZ, PORSCHE, GM OPEL, ŠKODA, FIAT, LAND-ROVER, KENWOOD, SONY, CLARION, BLAUPUNKT** and many others
- Very easy to handle
- Practical slide for separating both halves
- Many unlocking types in one compact tool



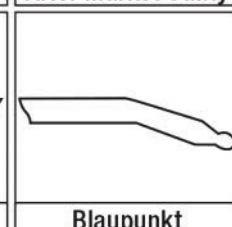
After Market Utility



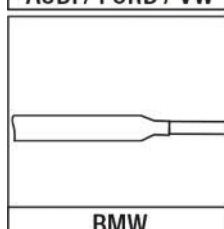
AUDI / FORD / VW



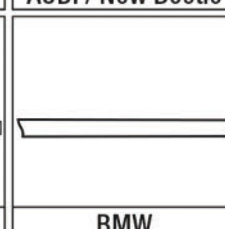
AUDI / New Beetle



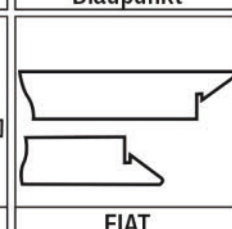
Blaupunkt



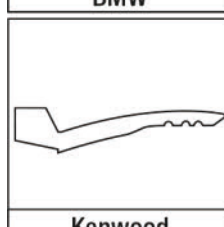
BMW



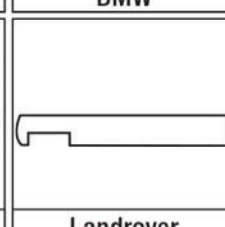
BMW



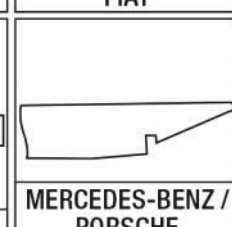
FIAT



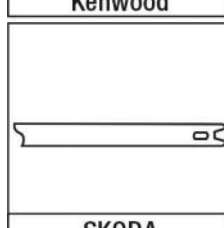
Kenwood



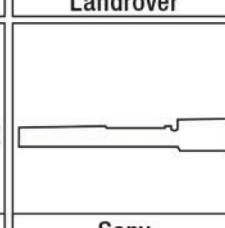
Landrover



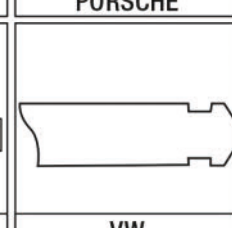
MERCEDES-BENZ / PORSCHE



SKODA



Sony



VW

HAZET No.

EAN-No. 4000896+

4655-1

120666



Specialty tools

Body and Interior Equipment – Car Body Repair



Body and Interior Equipment

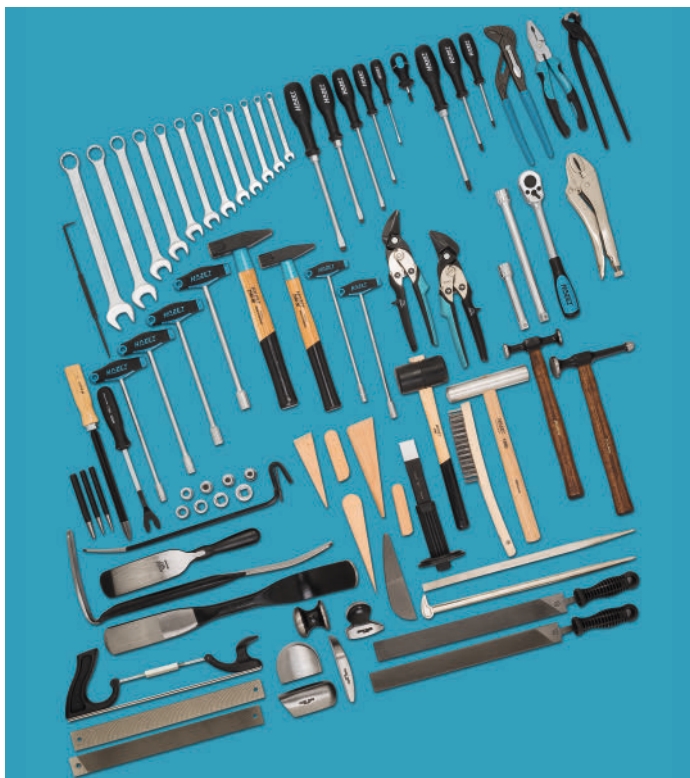
Car Body Repair

For grip pliers see chapter Hand Tools / Pliers on page 228–229

0-1900 Tool assortment

Assortment for car body work

• For tool trolley *Assistant*



HAZET No.		EAN-No. 4000896+
0-1900/77	77	000241

1905 Body and fender tool set

Made in Germany

- For car body work
- Sheet metal box (HAZET-blue)
- Soft foam insert



HAZET No.	L x W x H mm		EAN-No. 4000896+
1905/10 N	759x305x115	10	007448

1911 Hand anvil

Made in Germany

- Roof wedge-shaped
- Length 137 mm, width 55 mm



HAZET No.	EAN-No. 4000896+
1911	007486

1917 N Hand anvil

Made in Germany

- Daimler Stöckle
- 110x50 mm, height 50 mm



HAZET No.	EAN-No. 4000896+
1917 N	007509

1918 N Hand anvil

Made in Germany

- Wedge-shaped
- 110x63 mm



HAZET No.	EAN-No. 4000896+
1918 N	007516



1919 N Hand anvil

Made in Germany

- Toe-shaped
- 120x58 mm, height 20 mm



HAZET No.	EAN-No. 4000896+
1919 N	007523

1920 N Hand anvil

Made in Germany

- Universal
- 76x56 mm and 65x47 mm, height 60 mm



HAZET No.	EAN-No. 4000896+
1920 N	007530

1921 Hand anvil

Made in Germany

- All-sides ground
- Heel-shaped, flat/halfround
- 84 x 62 mm, height 34 mm



HAZET No.	EAN-No. 4000896+
1921	007554

1922 Hand anvil

Made in Germany

- "Diabolo" style
- 59x61 mm, height 59 mm



HAZET No.	EAN-No. 4000896+
1922	007561

1923 Box file

Made in Germany

- All sides with cut of a file
- Application: For body sheet planishing
- 162x37x27 mm



HAZET No.	EAN-No. 4000896+
1923	007578

1927 General purpose spoon

Made in Germany

- Blade size 52 x 150 mm



HAZET No.	l mm	EAN-No. 4000896+
1927	275	007691

1928 K General purpose spoon

Made in Germany

- Cut on one side
- Blade size 60 x 30 x 200 mm



HAZET No.	l mm	EAN-No. 4000896+
1928 K	385	007707

1929 General purpose spoon

Made in Germany

- Wide shape
- Offset and curved
- Blade size 170 x 50 mm



HAZET No.	l mm	EAN-No. 4000896+
1929-1	480	007721

1930 General purpose spoon

Made in Germany

- Wide shape
- Deep offset and heavily curved



HAZET No.	l mm	EAN-No. 4000896+
1930	455	007738

Made in Germany

- Narrow shape
- Blade size 105 x 85 x 38 mm



HAZET No.	l mm	EAN-No. 4000896+
1930-1	315	007745

1931 Bending iron

Made in Germany

- With leather cap



HAZET No.	l mm	EAN-No. 4000896+
1931	410	007769



Specialty tools

Body and Interior Equipment – Car Body Repair

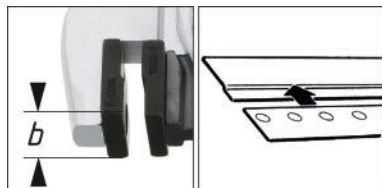


1932 Flange tool

Made in Germany

• Crimping capacity: 12 mm

- Application: Forms crimped edges on sheet metals up to 1 mm thickness
- Plastic handle covers
- Surface: chrome-plated



HAZET No.	l mm	b mm	EAN-No. 4000896+
1932-1	300	15	007806
1932-2	300	30	007868

1964 Sheet metal punch

Made in Germany

• To be used with HAZET Flange Tool 1932

- Plastic handle covers
- Surface: chrome-plated



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
• For sheet metal punching up to 1 mm during spot-welding (MAG-welding)			
1964-50	5	300	009039
1964-55	5.5	300	009077
1964-70	7	300	009121

1960 Car body sheet metal chisel

Made in Germany

• Forged design

- Application: For cutting sheet metal, welding spots, welding grooves, etc.
- With hand guard (730 HS)
- Blade size: 7 x 26 mm
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
- Regrinding without rehardening
- Surface: immersion-lacquered



HAZET No.	l mm	EAN-No. 4000896+
1960-5	240	008759

1961 R Sheet metal profile snips

Made in Germany

- For figure cutting and short, straight cuts
- For sheet metal up to 1.8 mm, VA-steel sheets up to 1.2 mm
- With lever transmission system
- Shear head drop-forged, hardened and tempered
- Cutting edges induction hardened
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)



HAZET No.	l mm	EAN-No. 4000896+
• R = right hand cutting		
1961 R-1	260	008803
• L = left hand cutting		
1961 L-1	260	008780

Made in Germany

- For figure cutting and straight cuts
- With lever transmission system
- Shear head drop-forged, hardened and tempered
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Induction-hardened cutting edges with grind



HAZET No.	l mm	EAN-No. 4000896+
• R = right hand cutting		
1961 R-2	260	008810
• L = left hand cutting		
1961 L-2	260	008797

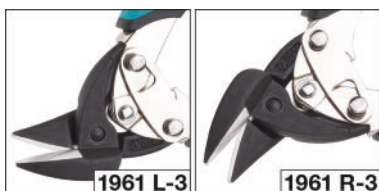


1961 L Sheet metal profile snips

- Compact design facilitates working in confined spaces and cutting the smallest of contours



- For figure cutting and straight cuts
- For sheet thickness up to 1.2 mm (600 N/mm²)
- Edge length 20 mm
- Compact design and a perfect leverage ratio ensure optimised working with reduced working effort
- The new geometric form of the head is perfectly suitable for cutting small radii and working in areas with restricted access
- Shear head drop-forged
- Ergonomically shaped handle for effortless working
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)



HAZET No.	l mm	EAN-No. 4000896+
• Left hand cutting 1961 L-3	180	176533
• Right hand cutting 1961 R-3	180	176540

1963 Hand riveting tool

- For safe and fast rivet joints
- For **blind rivets** made of aluminium and steel, up to 5 mm Ø, stainless steel up to 4 mm Ø
- Rivet snaps off with little effort
- Nose pieces and key storage in the body of the pliers



HAZET No.	l mm	EAN-No. 4000896+
1963 N-1	255	187447

1934 Car body file holder

- **Made in Germany**



- Adjustable, with tightening screw
- With 1 file blade 1934-4
- For flat file blades HAZET 1934-1 up to -5



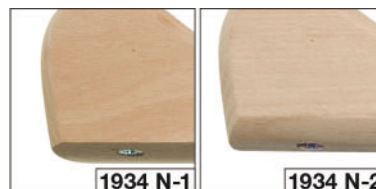
HAZET No.	l mm	EAN-No. 4000896+
1934	355	008018

1934 N Car body file holder

- **Made in Germany**



- Made of wood
- Without file blade



HAZET No.	l mm	EAN-No. 4000896+
• For flat file blades 1934-1 up to -5 1934 N-1	525	008155
• For half-round (hollow) file blades 1934-7 1934 N-2	525	008179

1934 Car body file blade

- Flat
- Milled, diagonal cut
- Teeth (cut):
 - 1 = coarse 1934-1
 - 2 = medium 1934-2
 - 3 = fine 1934-3
- For File Holders HAZET 1934 and 1934 N-1
- DIN 7264 form A



HAZET No.	l mm	EAN-No. 4000896+
1934-1	350	008025
1934-2	350	008063
1934-3	350	008070

- Flat
- Milled, curved cut
- Teeth (cut):
 - 1 = coarse 1934-4
 - 2 = medium 1934-5
- For File Holders HAZET 1934 and 1934 N-1
- DIN 7264 form A



HAZET No.	l mm	EAN-No. 4000896+
1934-4	350	008087
1934-5	350	008094



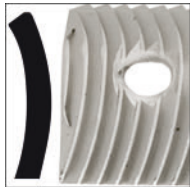
Specialty tools

Body and Interior Equipment – Car Body Repair



1934 Car body file blade

- Half-round (hollow)
- Diagonal cut
- Teeth (cut): 1 = coarse
- For File Holder HAZET 1934 N-2
- DIN 7264 form F



HAZET No.	l mm	EAN-No. 4000896+
1934-7	350	008100

1934 Car body file

- Heat the dents with a welding torch. Then work the dent with the file. Due to the special alloy – the heat is extracted when working the dent with the file and the dent is evened out.
- Cross cut
- Teeth (cut):
1 = coarse (1934-8)
3 = fine (1934-9)
- Cranked
- Plastic handle



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
1934-8	350	430	008124
1934-9	350	430	008131
• Single cut • Teeth (cut): 0 = coarse 1934-10			
1934-10	350	430	008032

1935 Body hammer

Made in Germany

- HICKORY handle



HAZET No.	l mm	Icon	EAN-No. 4000896+
• Bumping and planishing hammer • 154 mm • 2 round faces of different sizes			
1935	308	○ 40 ○ 30	008193
• Stretching and planishing hammer • 103 mm • Round faces, finely chequered, milled			
1937 K	305	□ 24 ○ 32	008209
• Stretching and planishing hammer • 96 mm • Round faces, finely chequered, milled			
1938 K	310	□ 35 ○ 40	008216

1940 Body hammer

Made in Germany

- HICKORY handle



HAZET No.	l mm	Icon	EAN-No. 4000896+
• Planishing and embossing hammer • 160 mm • Round face and ball			
1940	309	○ 40 ○ 17	008230
• Planishing and cross-peen hammer • 135 mm • Round face and curved, sharp peen			
1943	309	○ 40 — 15	008261

1944 Body hammer

Made in Germany

- HICKORY handle



HAZET No.	l mm	Icon	EAN-No. 4000896+
• Bumping and picking hammer • 165 mm • Round face and straight peen			
1944	325	○ 41 ○ 10	008278
• Aluminium hammer • Flat, half-round			
1950	310	○ 30	008339

1967 Welding spot drill

Made in Germany

- Application: Exact welding spot reaming in sheet metal fabrication
- Fits power drills of all types
- 7 mm hexagon shank prevents slippage in drill chuck
- Replaceable cutting crown (right-hand thread) made of high-speed steel (oiled)
- Cutting crown for use at both ends
- With screw for gauge depth adjustment (*)



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
1967	11	70	009312



1967 Welding spot drill

Made in Germany

- Self-cutting centring tip resharpenable

- Application: For exact welding spot reaming
- High performance, high-speed steel, blued



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
1967-70	7	74	009343
1967-80	8	79	009350
1967-90	9	79	009367

1959 Special bumping mallet

Made in Germany

- With permanent plastic filler for non-damaging bumps without striation

- Application: For fixing decorative strips, working on roof rails as well as seat installing, upholstery
- Assembly tool for materials that are susceptible to scratching



HAZET No.	l mm	EAN-No. 4000896+
• Rubber body 70 x 70 mm 1959-2	260	102259
• Handle adjustable by 90° • Rubber body 70 x 140 mm 1959-3	280	008728
• Handle adjustable by 90° • White rubber body 70 x 140 mm 1959-4 *	280	127221

1965 Wedge

Made in Germany

- Application: For work with hot tin-plated surfaces
- Beech wood



HAZET No.	l mm	EAN-No. 4000896+
1965/5	5	009220

1965 Wedge

Made in Germany

- Application: For car body work, e.g. for loosening decorative strips, covers, graphics, etc. without damage
- Plastic



HAZET No.	b mm	h mm	l mm	EAN-No. 4000896+
1965-20	25	25	190	009183

1965 Combination lever

- Avoids damage to lacquered surfaces, plastic and metal parts

- Application: For fast and easy removal of decorative strips and door panels
- Operation of plugs and plastic clips
- Removal of protection caps and covers



HAZET No.	b mm	l mm	EAN-No. 4000896+
1965-21	22	270	087839

2520 Puller hook

- Application: For removing the front grille of the VW Transporter

- Steel hook angled 30°
- Removal of e.g. the additional light, interior lining, interior lighting shade etc.

VW Golf since 2004, Golf Plus 2005→, Jetta 2006→, Crafter 2006→, Tiguan 2008→, Passat 2006→, Scirocco 2009→, AUDI A2, A3, A4, A5, A6, A8, Q5, Q7, R8

- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
2520-1	215	075218

799 Lever for removing door panels

Made in Germany

- With protective coating

- Application: For removing fixing plugs on door panels
- Jaw opening 28 mm





Specialty tools

Body and Interior Equipment – Car Body Repair



799 Lever for removing door panels

HAZET No.	l mm	EAN-No. 4000896+
799-3	268	031993

799 Pliers for removing door panels

- Made in Germany
- With protective coating

- Application: For removing the fixing plugs on **door panels**, decorative strips and bumper rubber strips



HAZET No.	l mm	EAN-No. 4000896+
799-4	230	032013

799 Lever for removing door panels

- Made in Germany
- With protective coating

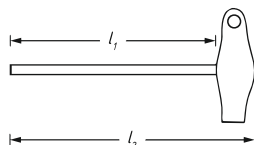
- Application: For removing the fixing plugs on door panels
- VW Sharan, Touareg, Touran, Phaeton
- SEAT Alhambra
- FORD Galaxy
- Lever function provides optimal power transmission for removal
- Plastic handle



HAZET No.	l mm	EAN-No. 4000896+
799-6	260	110346

828 LG Screwdriver

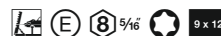
- Application: For installing and removing the **door handle** on **MERCEDES-BENZ** type 168, type 169 (A-Class), type 245 (B-Class) and type 203 (C-Class)
- Setting **headlights** **MERCEDES-BENZ** Actros
- Ergonomically shaped HAZET 2-component T-handle
- Extra long design
- Round blade
- Surface: chrome-plated, tips burnished



HAZET No.	l ₁ mm	l ₂ mm	mm	EAN-No. 4000896+
828 Lg-T 20	200	226	3.86	139941

2597 Bent bit holder for door hinges

• Made in Germany



- Application: For installing and removing the driver or passenger door on **VW**, **SKODA** Fabia 2010→, Roomster 2006→, **AUDI** A5 2007→, (screw connection on door hinges – inside **TORX**® screws T 45) and for door alignment

- With plug connection 9x12 mm square

- With **TORX**® Bit T45 (HAZET 2597-01)

Removal together with tool holder HAZET 6396, **installation** with torque wrench HAZET 6290-1CT

– Please observe VW torque regulations –

see also HAZET 2251-1/2

- Surface: chrome-plated



YouTube Clip

HAZET No.	l mm	mm	EAN-No. 4000896+
2597	95	7.82	017379

2597 Bit

• Made in Germany



- Screwdriver bit **TORX**® T 45 for 2597

For installing and removing the

doors on **VW**, **AUDI**, **SKODA**



HAZET No.	l mm	mm	EAN-No. 4000896+
2597-01	18	7.82	017386

• Made in Germany



- For door aligning as well as for installing and removing the doors on **VW** Golf 4 (model years 1997→2006), Golf 7 (2012→), Passat B5 (model years 1996→2000) **SEAT** Leon (model years 1999→2006) in conjunction with bent bit holder HAZET 2597

- For **screws with internal serration (XZN) M 10**

- Similar to DIN 65254



HAZET No.	M	l mm	EAN-No. 4000896+
2597-02	10	21	066667

• Made in Germany



- Application: For door aligning as well as for installing and removing the doors on

VW Golf 5 (model years 2003→2008), Golf 6 2008→, Passat B6, Caddy model years 2004→2010, New Beetle 2011→, Sharan 2 2010→, Tiguan 2011→, Touran 2010→

SKODA Superb 2008→

- Together with bent bit holder HAZET 2597

- Similar to DIN 65254



HAZET No.	M	l mm	EAN-No. 4000896+
2597-03	8	21	118830



2597 Bit

Made in Germany

• T 45 with special length



- Application: For installing and removing the driver's and front passenger's door on **VW**
- Together with reversible ratchet HAZET 2264 and torque wrench 6290-1CT – observe VW torque regulations –
- Hexagon drive ISO 1173 C6.3 (1/4")



HAZET No.	l mm	d mm	EAN-No. 4000896+
2597-T 45	25	7.82	017393

2598 Door handle tool

Made in Germany

• Safe and fast working



- Application: Operation of the difficult-to-reach locking hook (bearing cap) when removing / installing the door handle
- Disassembly and assembly of the closing cylinder housing (door handle) with doors without closing cylinders
- E.g. for **VW** Passat model years 2005 →, Tiguan model years 2008 →, Golf 6 model years 2008 →, Golf 7 model years 2012 →, Amarok model years 2010 →, Beetle model years 2011 →
- For the assembly of the door lock **VW** Fox model years 2005 →
- Ergonomically shaped 1-component trinamic handle



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2598-1	155	256	204144

2797 Bumper tubular socket wrench

Made in Germany

• For operating the rear bumper screws



- **MERCEDES-BENZ** type 204 (C-Class) station wagon and saloon, type 205 (C-Class), **AUDI** A3 model years 2004→, A4 model years 2001→, A6 model years 2005→, TT model years 2007→
- Note: Screw operation with threaded rod
- Enables controlled screwing with the torque value required by the manufacturer



HAZET No.	S mm	l mm	EAN-No. 4000896+
2797-1	10	160	154746

2715 Side mirror assembly tool

- Application: For installing and removing the side mirrors on **MERCEDES-BENZ** type 203 and 204 (C-Class), type 211 and 212 (E-Class)
- Plastic T-handle
- Blister packed



HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2715-20 H	200	225	118717

2797 Headlight adjustment tool

Made in Germany

• For adjusting the headlights or clearance from bumpers and bonnet



- Following body repairs or headlight replacement on **MERCEDES-BENZ** 205 C-class, from construction year 2014
- Tool is especially suited to areas with very restricted access
- Surface: matt chrome-plated



HAZET No.	S mm	d ₂ mm	l mm	EAN-No. 4000896+
2797-14	14	18	195	202201

Car Glass / Wiper Arm

4852 Tool set for car glass removal

• Tried-and-tested tools for removing glued car windows



- Square cutting wire for fast and easy cutting of nearly all adhesive beads
- Sawing wire twisted of three brass-plated steel wire for very hard or large adhesive beads
- Robust wire starter made of spring steel with large T-handle to pierce the wire through the bead
- Counterholder with long shaft and stable M4-thread secures the cutting wire from inside
- Self-closing safety pull handles hold the sawing or cutting wire firmly



4852-6 4852-7



Specialty tools

Body and Interior Equipment – Steering wheel



4852 Tool set for car glass removal



HAZET No.		EAN-No. 4000896+
	• Tool set for car glass removal, contents 4852-3 (2x) 4 A 5 6 7	
	• Extraction of glued car windows	
4852/6	6	129447
	• Pull handle for collecting the cutting wire	
	• Extraction of glued car windows	
4852-3	–	129454
	• Counterholder for guiding and retaining the cutting wire	
	• Extraction of glued car windows	
4852-4 A	–	164769
	• Wire starter for puncturing the glue bead	
	• Extraction of glued car windows	
4852-5	–	129478
	• Roll of square cutting wire 0.6x0.6 mm, 22 metres	
	• Extraction of glued car windows	
4852-6	–	129485
	• Roll of round cutting wire Ø 0.8 mm, 22 metres	
	• Extraction of glued car windows	
4852-7	–	129492

4850 Nozzle adjusting tool

- The telescopic handle can be used to indicate the nozzle jet direction to the windscreen
- Application: For adjusting the nozzles of the windscreen washing systems
- With pocket clip
- With magnetic head 6 mm Ø
- Adjusting needle (Ø 0.7 mm) and protection cap



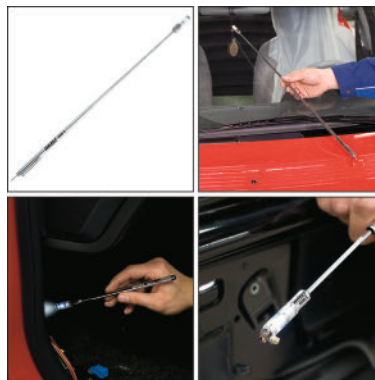
HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-1	155	670	022366

4850 Nozzle adjusting tool

- The telescopic handle can be used to indicate the nozzle jet direction to the windscreen



- Application: For adjusting the nozzles of the windscreen washing systems
- With pocket clip
- With integrated LED for easy detection of parts in dark areas such as the engine compartment, etc.
- With extremely powerful magnet 8 mm Ø to pick up small parts
- Adjusting needle (Ø 2 mm)



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-2	183	682	149544

4851 Wiper adjusting tool

Made in Germany



- Application: For angular adjustment of the wiper blade to the windscreen using the wiper arm
- Follow the manufacturer's instructions
- Not suitable for Aerotwin wipers



HAZET No.	b mm	h mm	l mm	EAN-No. 4000896+
4851-1	65	60	120	048212

Steering wheel

1776 Pitman arm puller, 2-arm

Made in Germany



- For ball bearings, toothed wheels, pinions, **pitman arms** and similar
- The clamp clip is used for pressing the puller jaws on the parts to be extracted
- Surface: galvanised



HAZET No.	sb mm	st mm	Spindle	EAN-No. 4000896+
1776- 85	90	85	M18x1.5x130 mm	135943
1776-100	90	100	M18x1.5x130 mm	135950
1776-140	150	140	G½"x175 mm	135967



Commercial vehicle

Engine

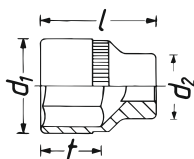
Cylinder head

2850 Impact socket **TORX®**

Made in Germany

• For the operation of cylinder head bolts

- Reinforced design
- Long design
- With borehole for locking pin or safety spring and groove for O-ring
- Surface: phosphatised, oiled



HAZET No.	l mm	S mm	EAN-No. 4000896+
• MAN commercial vehicles F 2000, F 90, F 8 and MAN buses with D 25 and D 28 engines			
2850-E 20	110	18.49	079681
• MAN commercial vehicles with Common Rail Engine (D20)			
2850-E 24	110	22.16	146758

Fuel System / Fuel Injection

2849 Single box-end wrench

Made in Germany

• Operation of the turbocharger nuts on MAN HGVs

- Bent form of the box wrench is especially adapted to the confined spaces
- Ergonomically shaped HAZET 2-component handle



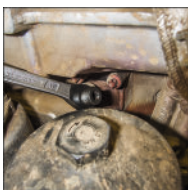
HAZET No.	l mm	EAN-No. 4000896+
2849-15	266	159284

2871 Turbocharger / manifold **TORX®** socket

Made in Germany

• Lower installation height than nut-driver with reversible ratchet

- Application: For operating the turbocharger and manifold screws (E12)
- On MAN TGL, TGM with E08 engines
- Drive ≤ 17 mm
- Operation e.g. with ratcheting combination wrench 606-17 or insert box-end wrench 6630 d-17 and tool holder 6397 (screw loosening) with torque wrench 6292-1 CT (screw tightening)
- Necessary due to limited space
- Surface: phosphatised, oiled



2871 Turbocharger / manifold **TORX®** socket



HAZET No.	l mm	EAN-No. 4000896+
2871-E 12	28	201730

4550 Injection line wrench

Made in Germany

• Open 12-point socket



- Application: For the operation of screwed connections on injection lines
- Surface: chrome-plated
- On MAN commercial vehicles with D 20 engines – Common Rail injection systems
- Short style
- ☐ drive 10 = $\frac{3}{8}$ "



HAZET No.	S mm	l mm	EAN-No. 4000896+
4550-3	17	83	104307

Made in Germany

• The special design of the socket ensures the injection line screw connection is properly accommodated



- Application: For the operation of the union nut on the high-pressure line on the injection valve-common rail injection system
- Open 12-Point Socket for the operation of screwed connections on injection lines
- The tightening torque required by the manufacturer is achieved by using a HAZET torque wrench (observe manufacturer specifications)
- Surface: burnished
- DAF Euro 6 engines MX11/ MX13 e.g. XF, CF
- ☐ drive 12.5 = $\frac{1}{2}$ "



HAZET No.	S mm	l mm	d ₁ mm	d ₂ mm	t mm	EAN-No. 4000896+
4550-21	21	91	33	32	19	204137

4558 Pressure nut crown wrench

Made in Germany

• Application: Operation of the compression nut at the nozzle holder



HAZET No.	l mm	EAN-No. 4000896+
• For MAN and MERCEDES-BENZ commercial vehicles M 401/421, M 402/422, LA, A, M 403/423, M 470h		
4558	72	021888



4558 Pressure nut crown wrench



HAZET No.	l mm	EAN-No. 4000896+
- For commercial vehicles with EDC engines: MERCEDES-BENZ and MAN - With hole bored through for connecting cable 32 mm outside hexagon drive - Chrome-vanadium - Surface chrome-plated		
4558-1	120	050529
- E.g. for MERCEDES-BENZ and MAN commercial vehicles - With counterholder for fixation between compression nut and nozzle holder – prevents slipping down 32 mm outside hexagon drive		
4558-2	69	057344

1788 T Sliding hammer

Made in Germany

- Application: For disassembly of tight common rail injectors without removing the cylinder head
- Sliding hammer (sliding weight 200g) with coupler thread M 10
- For the removal of caps with inside thread, ball bearings, pulleys etc.
- To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35



HAZET No.	M	l mm	EAN-No. 4000896+
1788 T-1	M10	226	134304

4797 Injector extractor

Made in Germany

- Application: For disassembly of tight common rail injectors without removing the cylinder head
- For the simple removal of injectors with the aid of an impact extractor, e.g. **HAZET 1788 T-1** on **MAN** engines D08, D20, D26 and D28
- Especially suited to the limited space in the cylinder head
- Due to the tool's special claw, the injector may be seized with caution, damage-free removal with the aid of the impact extractor
- Injector claw with inside thread M10x1.5 mm for easy insertion in the impact extractor



HAZET No.	l mm	EAN-No. 4000896+
4797-5	174	176137

Diagnostics

4800 Radiator tester for commercial vehicles

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicles: www.hazet.de → **The Tool Finder** → **Radiator adapters 4800**
- Application on **MAN** HGVs and buses, **NEOPLAN**, **SCANIA**, **MERCEDES-BENZ** HGVs and buses as well as **agricultural machinery and construction vehicles**

Set contents:
4800-1 4800-2
4800-20



4800 Radiator tester for commercial vehicles



HAZET No.		EAN-No. 4000896+
4800/3	3	200047

4800 Radiator adapter

Made in Germany

Optional extensions for assortments

- Threads exactly adapted to the opening of the expansion tank
- With coupling nipple for connection to the quick coupling connection of the cooling pump 4800-1 or HAZET vacuum radiator filler 4801-1



HAZET No.	EAN-No. 4000896+
IVECO Euro-Star, Euro-Tech, Euro-Truck, MAN F90, F2000, MERCEDES-BENZ commercial vehicles Actros, Atego 1217 until 1999, Eco 8401, SK1728	
4800-20	144242
- With angled hose connector, particularly suitable for use in areas with restricted access - E.g. for MAN buses such as Lion's Coach, Lion's Star, Lion's Comfort	
4800-25	203857

4802 Vacuum radiator filler for commercial vehicles

Made in Germany

- Suitable in conjunction with the single or universal adapters, e.g. 4801-2/3**

- Application: Vacuum leakage test before refilling the cooling system
- Bubble-free filling of the coolant and heating circuit in HGVs, buses, agricultural machinery and construction vehicles**
- New design of the vacuum radiator filler allows the desired vacuum to be reached faster, which allows the cooling system to be filled more quickly
- Quicker cooling fluid flow rate: **80 litres in around 20 minutes**
- Filling possible with standard stoppers as well as with fixed cap
- No cooling fluid is lost through the cooling system overflowing
- Separate control through the diagnostic testing device is no longer necessary



HAZET No.	EAN-No. 4000896+
4802-1	200030



Oil service

2169 Oil filter wrench

Made in Germany

• Forged design



- Application: For installing and removing oil filters and oil filter housing caps when changing the oil filter element
- Surface: chrome-plated



YouTube Clip



HAZET No.	Ø mm	mm	EAN-No. 4000896+
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• 6-Point s 32 mm

VAUXHALL Astra, Corsa, 1.9 I CDTi
VW Passat, Golf 6 with 1.6 and 2.0 CR-TDI, Passat B7 1.6 · 2.0 diesel engine, Golf 7 2.0 petrol engine, Polo 5 1.2 I-1.4 I TDI, Polo 1.2 I petrol engines 2005→, Transporter T5 1.9 I diesel 2004→, Touran TDI, Tiguan 2007→ 1.4 I (90/118kW) 2.0 I diesel engines, **AUDI** A6 3.2 I TSI, V6 2004→, A4 diesel since 12/2007
BMW 530d M57 2008→
 For urea solution filter Ad-Blue® **MAN** e.g. TGX

2169-32	43	32	082346
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• 6-Point s 36 mm

e. g. for **MERCEDES-BENZ** engine 116 MB, 100 D Transporter, Actros MP 1, MP 2, **BMW** M 52-6 cyl.: 3 Series, 5 Series, M 60-8 cyl.: 5, 7 and 8 Series, M 73-12 cyl.: 7 and 8 Series, 1 Series (E87): 118d, 120d, 1 Series (F20) 118i, **OPEL** Vectra B DI 16 V, Insignia, **VW** Lupo 1.2 TDi, model year 1999, Polo 5 1.2 I, Golf 6 1.4 I SRE/TSI, Touareg TDI, T5 2.5 D, Passat B7 3.6 I FSI, **AUDI** 6 cyl. petrol engines since 12/2007
 For **MAN** fuel filter e.g. TGA

2169-36	50	36	086566
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Made in Germany

- Application: For the operation of oil filter housings made of plastic



HAZET No.	Ø mm	mm	EAN-No. 4000896+
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• 18-point s 135 mm

• On **MAN** F 2000 and TGA series commercial vehicles

2169-5	148	24	100330
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• Drive: Outside 6-point s 24 mm / □ drive 12.5 1/2"

• Output: 15-point s 105 mm

• E.g. for: **Volvo**, **SCANIA**, **RENAULT**, **MAN**, **IVECO**, **FIAT**, **FODEN**, **IRISBUS**, **ASTRA**, **CATERPILLAR**, **LIEBHERR**, **JOHN DEERE**, **KOMATSU**, **FAUN**, **MITSUBISHI**

• The torque value recommended by the vehicle manufacturer can be safely achieved, e.g. with a HAZET torque wrench (Attention: observe the manufacturer's tightening torque value)

2169-9	–	24	116690
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2171 Oil filter wrench

Made in Germany

- Steel strip adjustable to seven positions



- Application: For the operation of oil filters e.g. as an assembly tool for oil and fuel filters on **MAN** commercial vehicles



HAZET No.	Ø mm	l mm	EAN-No. 4000896+
2171-1	80–110	160	013418
2171-2	75–110	230	013432

2171 Oil filter chain wrench

Made in Germany

- The opening in the oil filter chain allows them to be used even in places which are difficult to reach due to the construction



- Application: For removing oil filters and the operation of air dryer cartridges



HAZET No.	Ø mm	EAN-No. 4000896+
2171-8 Lg	50–150	203703

Brakes

2195 Cartridge wrench

Made in Germany

- For loosening the granulate cartridges on commercial vehicles with compressed air dryer



- Application: Activation of granulate cartridge at compressed air dryer
- Design "Made by HAZET"
- Negative position of arms
- Forged design
- MAN-No. 8099606-0307
- Surface: burnished, oiled



HAZET No.	Ø mm	EAN-No. 4000896+
2195	90–140	014101



Specialty tools

Commercial vehicle – Brakes

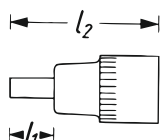


2784 Brake calliper screwdriver socket

Made in Germany

- For the operation of the brake calliper fitting (Knorr-Brakes) on MERCEDES-BENZ commercial vehicles e.g. Actros

- Enables controlled screwing with the torque value required by the manufacturer (Follow manufacturer's instructions) e.g. with torque wrench HAZET 6144-1CT
- Drive allows transmission of high separation forces
- With knurling
- With locking pin



HAZET No.	S mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2784-14	14	60	110	155583

2787 Brake disc screwdriver socket set

Made in Germany

- Drive allows transmission of high separation forces

- Application: For the operation of the brake disc screws on MERCEDES-BENZ Actros 2nd generation model 2011→
- Replaceable impact screwdriver socket T60



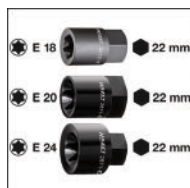
HAZET No.	l ₂ mm	mm	mm	EAN-No. 4000896+
2784-T 60/4	120	13.25	4	188611

2871 Brake calliper TORX® socket

Made in Germany

- For the operation of the brake calliper screws on MAN commercial vehicles

- Operation e.g. with HAZET box-end insert tool 6630 d-22 with tool holder 6397 (screw loosening) or torque wrench 6293-1 CT or 6295-1 CT (screw tightening)



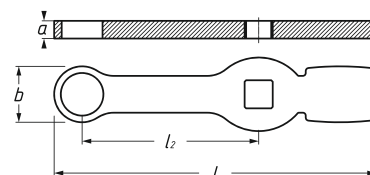
HAZET No.	l mm	EAN-No. 4000896+
• For e.g. MAN TGM and TGL		
2871-E 18	39.5	176175
• E.g. for MAN TGM, TGA		
2871-E 20	39.5	148790
• E.g. for MAN TGA, TGS and TGX		
2871-E 24	39.5	148783

2872 TORX® slogging wrench with 2 striking faces

- Use of the wrench for assembly and disassembly of the brake calliper screw connections renders disassembly of the steering tie lever unnecessary



- Application: For the operation of TORX® screws on brake calliper screw connections on commercial vehicle front axle and trailing axles
- Correct tightening of screws with torque wrench in accordance with the manufacturer's specifications
- Wrench flat with lasered formula for calculating the correct effective length



HAZET No.	Output	Drive	l mm	mm	mm	l ₂ mm	b mm	a mm	EAN-No. 4000896+
For e.g. MAN TGL TGM									
2872-E 18	●	20 3/4	215	E 18	16.70	120	30	12	201235
2872-E 20	●	20 3/4	216	E 20	18.49	120	32	12	201242
For e.g. MAN TGA TGS and TGX									
2872-E 24	●	20 3/4	219	E 24	22.16	120	38	12	201259

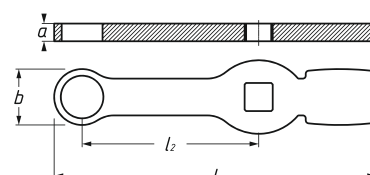
2872 Box-end wrench (12-point) with 2 striking faces

Made in Germany

- 12-point profile facilitates application even on hard-to-reach screw connections



- Application: For the operation of the brake calliper fitting on commercial vehicles
- Correct tightening of screws with HAZET torque wrench in accordance with the manufacturer's specifications
- Wrench flat with lasered formula for calculating the correct effective length



HAZET No.	Output	Drive	l mm	l ₂ mm	b mm	a mm	EAN-No. 4000896+
For e.g. SAF-brake calliper							
2872 SZ-24	●	20 3/4	219	120	38	12	204175
E.g. for DAF XF95/ XF105/ XF							
2872 SZ-26	●	20 3/4	219	120	38	12	203727

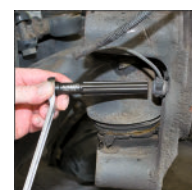
4968 Anti-lock braking system (ABS) reamer

Made in Germany

- For cleaning the ABS sensor receptacle e.g. on all MAN commercial vehicles



- Operation with ratcheting combination wrench, e.g. HAZET 606-16
- Before refitting the new ABS sensor it is advisable to clean the ABS sensor receptacle
- Blades ∅ 16 mm on 18 mm
- Trouble-free removal of deposits (dirt, corrosion and other residues) from the ABS sensor receptacle
- Functional length: 85 mm



HAZET No.	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
4968-1618	16-18	85	130	177684



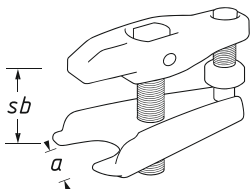
Chassis

Wheel Bearing / Wheel Hub

1790 Ball joint puller

Made in Germany

- Application: For removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers, etc. on heavy commercial vehicles
- Surface: galvanised, passivated (free from Cr 6)

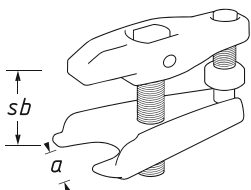


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-3	40	85	145454

Made in Germany

- Supported by hydraulic system

- Application: For the safe removal of **ball joint pivots** and ball joints
- Surface: galvanised, yellow passivated (free from Cr 6)



HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-5	30–34	70	145461
1790-6	36–40	85	145478

- For passenger cars, vans, commercial vehicles
- Max. capacity 12 tons
- For commercial vehicles, busses and building machinery
- Max. capacity 12 tons

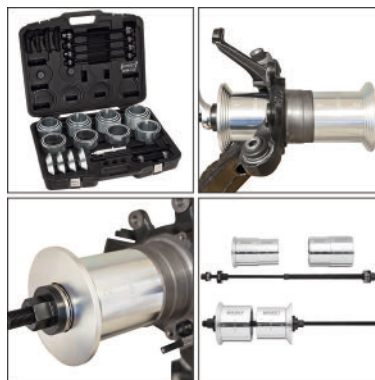
Silent Block

4926 Universal pressure sleeve set

- Optimal for various vehicles, e.g. vans, off-road and commercial vehicles



- Application: For extracting and inserting silent blocks, hydraulic mounts, ball bearings, rubber mountings as well as bushings, shaft seals etc.
- Pressure sleeves from 74–112 mm Ø
- Plastic box



HAZET No.		EAN-No. 4000896+
4926-1/36	36	161058

Cardan Shafts

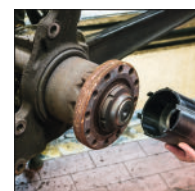
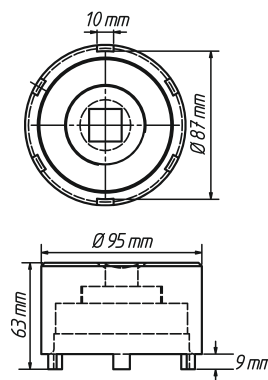
4937 Commercial vehicle pin wrench set

Made in Germany

- For repair and maintenance works on the wheel hub, wheel bearing or brake disc on **MAN, MERCEDES-BENZ**



- For e.g. **MAN TGL** front axle model years 2000→ and L 2000 **MERCEDES-BENZ** Atego rear axle HL 2, 814 Vitaro
- High fitting accuracy
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Pin wrench for rear axle, inside Ø: 87 mm
- Length (total): 65 mm
- 6 pins, pin width: 10 mm
- With 2 replaceable guide tubes
- Outside Ø: 49 mm, 57 mm
- Length (total): 140 mm
- Operating tools for commercial vehicle axle nuts and wheel hubs
- Surface: burnished



HAZET No.		EAN-No. 4000896+
4937-87/3	3	199235



Specialty tools

Commercial vehicle – Chassis

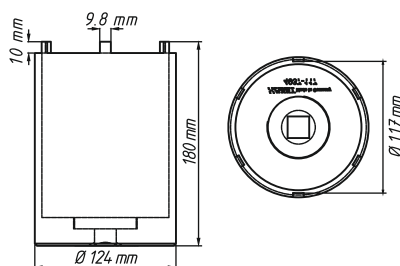
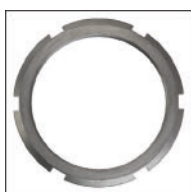


4937 Commercial vehicle pin wrench set

Made in Germany

• For repair and maintenance works on the rear axle
MERCEDES-BENZ

- For **MERCEDES-BENZ** Actros, Hypoid rear axle HL, HL 8
- High fitting accuracy
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside Ø: 117 mm
- Length (total): 200 mm
- 6 pins, pin width: 9.8 mm
- With guide tube outside Ø: 60 mm length (total): 185 mm
- Surface: burnished

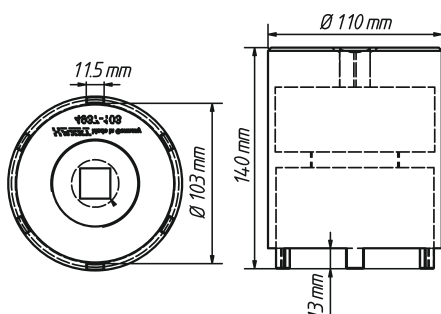


HAZET No.		EAN-No. 4000896+
4937-117/2	2	199242

Made in Germany

• For repair and maintenance works on the wheel hub, wheel bearing or brake disc rear axle on **MAN** and **MERCEDES-BENZ**

- For **MAN** and **MERCEDES-BENZ** 10 t and 13 t AP Hypoid and tag axle N7/4, Omnibus 0305G, 0405G
- **MAN** hub reduction rear axle F series H7, HD7 Hypoid axle F series HY-1175, HDY-1175
- High fitting accuracy
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside Ø: 103 mm
- Length (total): 140 mm
- 6 pins, pin width: 11.5 mm
- With 2 replaceable guide tubes Outside Ø: 51.5 mm, 66.5 mm Length (total): 135 mm
- Surface: burnished



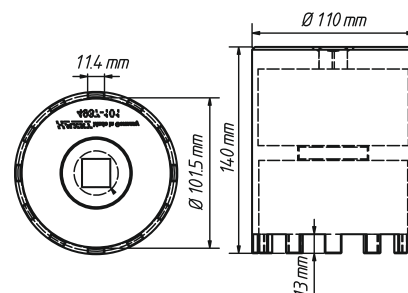
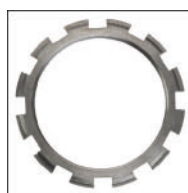
HAZET No.		EAN-No. 4000896+
4937-103/3	3	199259

4937 Commercial vehicle pin wrench set

Made in Germany

• For dismantling / assembly works on the rear axle as well as repair and maintenance works on the wheel hub, wheel bearing or brake disc rear axle **MERCEDES-BENZ**

- **MERCEDES-BENZ** hub-reduction axle, such as tag axle NR 7/4
- **MERCEDES-BENZ** hub-reduction rear axle (Euro-axes) 10 t and 13 t, HL7/0, HL7/1, HL7/2, HL7/3, HL7/18, HO7/8, HO7/9, HL7/015, HL7/021, HD7/2, HD7/19DG, HD7/016DG
- **MERCEDES-BENZ** hub-reduction axle 7 t AL7/1
- High fitting accuracy
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside Ø: 101.5 mm
- Length (total): 140 mm
- 12 pins, pin width: 11.4 mm
- With 3 replaceable guide tubes Outside Ø: 50, 51, 53 mm Length (total): 85 mm
- Surface: burnished



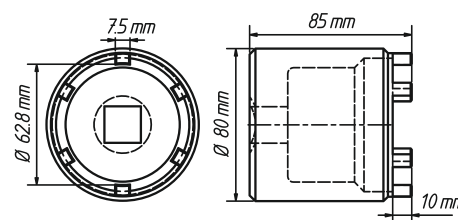
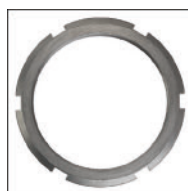
HAZET No.		EAN-No. 4000896+
4937-101/4	4	199266

4937 Commercial vehicle pin wrench

Made in Germany

• For rear axle **MERCEDES-BENZ**

- For rear axle nuts **MERCEDES-BENZ** Actros, Atego (heavy design): LN2, SK rear axle: 740.0/9 - 744.8 - 745.7 - 747.7 - 748.2 HD 7/19 DG 13, HD4/16-1
- With outside guide collar
- High fitting accuracy
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside Ø: 62.8 / 70 mm
- 6 pins, pin width: 7.5 mm
- Surface: burnished



HAZET No.	l mm	EAN-No. 4000896+
4937-62	85	199020



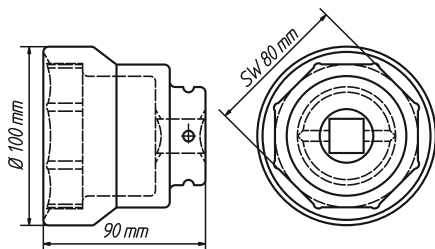
4937 Commercial vehicle axle nut socket

Made in Germany

- For dismantling / assembly of the front axle nut with 8-point in front of the brake disc



- SCANIA Series R, Series 4 Series 124 I - 144 I - etc.
- Suitable for impact wrench, e.g. HAZET 9013 SPC, 9013 MG
- High fitting accuracy
- Parallel surfaces for perfect force fit on axle nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- ≤ 80 mm 8-point
- For machinery operation
- Surface: burnished



HAZET
No.

4937-80

EAN-No.
4000896+

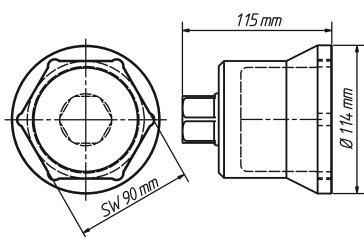
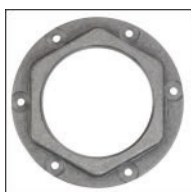
199006

Made in Germany

- With guide collar



- Application: To operate the rear axle nut on e.g. IVECO Daily 6.5 t, 7.0 t
- Nut-driver completely encloses the flat rear axle nut for secure work
- Suitable for impact wrench, e.g. HAZET 9013 SPC, 9013 MG with socket 1000 S-36
- High fitting accuracy
- Parallel surfaces for perfect force fit on axle nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- 6-point drive ≤ 36 mm
- Output: ≤ 90 mm
- For machinery operation
- Surface: burnished



HAZET
No.

4937-90

EAN-No.
4000896+

199280

4937 Commercial vehicle oil caps / axle nut sockets, 6-point

Made in Germany

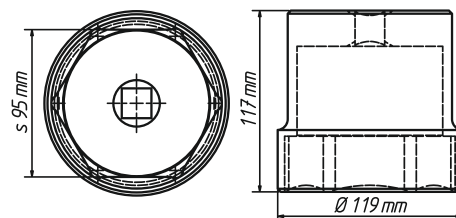
- Operation of the oil cap on the front axle



- For e.g. IVECO Stralis and Eurofire, MERCEDES-BENZ Discos Trailer with compact bearing HUB unit, BPW Eco Plus 1, BPW Eco Plus 3
- High fitting accuracy
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Output: ≤ 95 mm
- Surface: burnished



4937 Commercial vehicle oil caps / axle nut sockets, 6-point



HAZET
No.

4937-95

EAN-No.
4000896+

199457

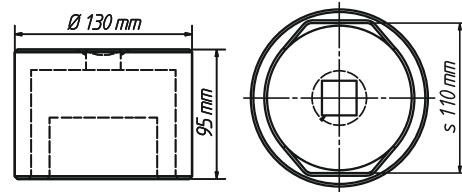
4937 Commercial vehicle hub cap socket

Made in Germany

- For flat oval BPW hub cap



- For BPW Eco and Eco Plus axles
- Perfect fit for BPW contour Ø 110 mm
- High fitting accuracy
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished



HAZET
No.

4937-110

EAN-No.
4000896+

199273

4937 Commercial vehicle centring sleeve set

Made in Germany

- Application: For fast assembly of centred commercial vehicle drop centre rim wheels for rim hole Ø 26 mm M22 x 1.5
- For e.g.: DAF, FORD, MAN, MERCEDES-BENZ, RENAULT, Volvo
- No damage of the thread as well as exact centring of the rims through conically cranked bushes
- High fitting accuracy through precise thread production
- Inside thread: M22 x 1.5 mm
- Surface: burnished





4937 Commercial vehicle centring sleeve set



12 1/2

HAZET No.	l mm		EAN-No. 4000896+
4937-26/3	115	3	199013

4937 Commercial vehicle mounting bushing MAN, thread M100 x 1.5

Made in Germany

- Mounting bushing to protect the thread on the axle during bearing disassembly and assembly
- Use with **MAN** TGX, TGA, TGS
- e.g. for **MAN** HY 1350 axle (13t), F2000, Lion's Star, Lion's Regio, Lion's Coach, Lion's Classic, ND, NUE, NM, **NEOPLAN** Starliner, Cityliner, Centroliner, Trendliner
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with $\varnothing$ 105 mm
- Thread: M100 x 1.5
- Outside $\varnothing$: 105 mm
- Drive via chequered handle surface or suitable lateral rod
- Surface: burnished



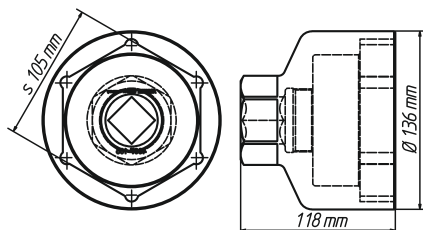
HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
4937-100	105	201983

4937 Commercial vehicle axle nut socket set DAF, RENAULT, Volvo

Made in Germany

- Screw-in guide tube allows for flexible application

- ☐ Drive 25 = 1" or ☒ 60 mm
- **DAF** with guide tube
- **RENAULT, Volvo** without guide tube
- With outside guide collar
- Operation with impact wrench (9014 MG-1, 9014 MG-2) and torque wrench (6160-1 CT, 6170-1 CT)
- High fitting accuracy
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished



4937 Commercial vehicle axle nut socket set DAF, RENAULT, Volvo



25 1"

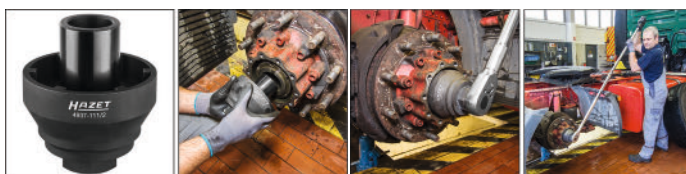
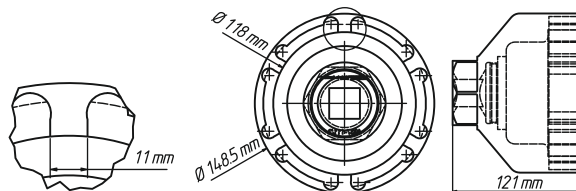
HAZET No.		EAN-No. 4000896+
4937-105/2	2	201938

4937 Commercial vehicle pin wrench set for rear axle MAN

Made in Germany

- For **MAN** TGX, TGA, TGS

- For e.g. rear axle HY 1350
- ☐ Drive 25 = 1" or ☒ 60 mm
- 6 inside pins, with 11 mm width
- Inside $\varnothing$: 134.5 mm
- Inside $\varnothing$ (pin-pin) 118 mm
- Outside $\varnothing$ 148.5 mm
- Operation possible with impact wrench (9014 MG-1, 9014 MG-2) and torque wrench (6160-1 CT, 6170-1 CT)
- High fitting accuracy
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished



HAZET No.	$\varnothing$ mm		EAN-No. 4000896+
4937-111/2	148.5	2	201945

4937 Commercial vehicle centring sleeve set

Made in Germany

- For rim hole $\varnothing$ 26 mm, 7/8" - 11 G e.g. **SCANIA**

- Application: For fast assembly of centred commercial vehicle drop centre rim wheels for rim hole $\varnothing$ 26 mm
- No damage of the thread as well as exact centring of the rims through conically cranked bushes
- High fitting accuracy through precise thread production
- Inside thread: 7/8" - 11 G
- Surface: burnished



HAZET No.	l mm		EAN-No. 4000896+
4937-27/3	115	3	202010



4937 MERCEDES-BENZ commercial vehicle mounting bushing, thread M75x1.5

Made in Germany

- Mounting bushing to protect the thread on the axle during bearing disassembly and assembly

- Application: Use in **MERCEDES-BENZ** Atego, Atego 2, Tourino, Econic
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with $\varnothing 78$ mm
- Thread: M75x1.5
- Outside $\varnothing$: 78 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
4937-7578	78	201990

4937 Commercial vehicle mounting bushing MAN, thread M75x1.5

Made in Germany

- Mounting bushing to protect the thread on the axle during bearing disassembly and assembly

- Application: Use with **MAN** TGL, TGM, L series, HL 2
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with $\varnothing 82$ mm
- Thread: M75x1.5
- Outside $\varnothing$: 82 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
4937-7582	82	201969

4937 Commercial vehicle mounting bushing SAF – thread M75x1.5 right/left

Made in Germany

- Mounting bushing to protect the thread on the bearing journal during bearing disassembly and assembly

- Mounting bushing to protect the thread on the bearing journal during bearing disassembly and assembly
- The bushing has both a left and a right thread M75x1.5
- For **SAF** axles with disc and drum brakes with $\varnothing 88$ mm bearing seat
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with $\varnothing 88$ mm
- Outside $\varnothing$: 88 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



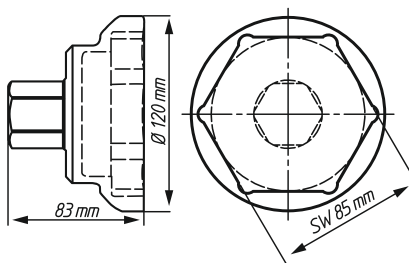
HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
4937-7588	88	202003

4937 Commercial vehicle axle nut socket

Made in Germany

- Solid design: high (shape) stability even with high loosening or tightening torques

- For the operation of the axle nut, e.g. on **SAF** trailer axles for repair and maintenance work
- Output: ≤ 85 mm
- Surface: burnished



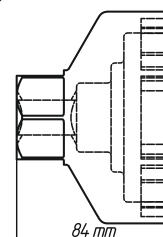
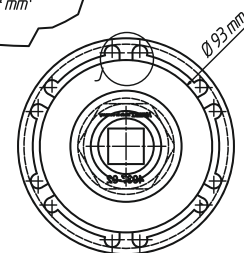
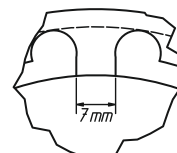
HAZET No.	EAN-No. 4000896+
4937-85	204267

4937 Commercial vehicle pin wrench for front axle MAN

Made in Germany

- Pin wrench MAN TGX, TGA, TGS all models, model year 2000 →

- For e.g. front axle V9-82L-01 (disc brake with ABS) and **MERCEDES-BENZ** Atego rear axle as well as **MAN**, **MERCEDES-BENZ**, **VAN HOOL** and **NEOPLAN** buses
- Inside $\varnothing$: 100.5 mm
- Inside $\varnothing$ (pin-pin): 92.5 mm
- Outside $\varnothing$: 114 mm
- 6 inside pins, with 7 mm width
- $\square 20 = \frac{3}{4}"$ as well as outside hexagon ≤ 46 mm
- Application possible with $\blacksquare 20 = \frac{3}{4}"$ impact wrench (9013 MG, 9013 SPC) and torque wrench (6145-1 CT, 6150-1 CT)
- High fitting accuracy
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Screw connection tightening torque 750–800 Nm (please observe manufacturer's instructions)
- For: **MAN Lkw**: E 2000 (ÖAF), F 2000, M 2000 L, M 2000 M
- **MAN TGA**, **TGM**, **TGS**, **TGX**
- **MAN** buses: Lions City, Lions Classic, Lions Coach, Lions Regio, Lions Star as well as older constructions (models), chassis cabs
- **NEOPLAN** Cityliner, Starliner, Tourliner, Trendliner
- **TEMSA** Diamond, **VISION** high-decker
- Surface: burnished



HAZET No.	$\varnothing$ mm	EAN-No. 4000896+
4937-92	114	201952



Wheels / Tyres / Tyre pressure control system

668 Sensor assembly tool for VDO REDI sensors

Made in Germany

• Very easy application, very fast assembly, just a few seconds per sensor

- Application: For quick, precise and above all damage-free work on HGVs, buses, construction and agricultural machinery
- Exact positioning of the Conti Pressure Check (CPC) sensor in the rubber container
- If a tyre has to be replaced due to damage or wear, only a new, cheap rubber container is glued in the new tyres. The valuable available sensor is now simply inserted again with the HAZET item 668-2 sensor assembly tool



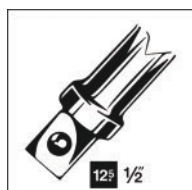
VDO is a registered trademark of the company Continental Automotive GmbH

HAZET No.	EAN-No. 4000896+
668-2	204830

715 Four-way rim wrench

Made in Germany

- For passenger cars, vans, people carriers and agricultural machinery
- Forged central piece
- Tested up to 500 Nm
- With $12.5 = \frac{1}{2}$ " for sockets of the 900 series
- Surface: chrome-plated, head polished
- DIN 3119, ISO 6788



HAZET No.	S mm	l mm	EAN-No. 4000896+
715-01	17x19x22x12.5 $\frac{1}{2}$	420	029464

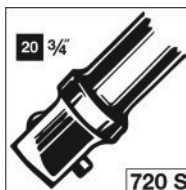
720 Four-way rim wrench

Made in Germany

• For commercial vehicles, tractors, agricultural and construction machinery



- Forged central piece
- Tested up to 2000 Nm
- 720 S with $20 = \frac{3}{4}$ " for sockets of the 1000 series
- Surface: chrome-plated, head polished
- DIN 3119



HAZET No.	S mm	l mm	EAN-No. 4000896+
720-30	24x27x30x32	750	029518
720 S	24x27x32x20 $\frac{3}{4}$	750	029532

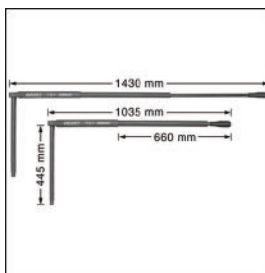
772 Telescopic wheel nut wrench

Made in Germany

• 8-point extension for deeply located screwed connections



- Application: For installing and removing wheel nuts and bolts on commercial vehicles
- Extended up to 1200 Nm
- Tool can be disassembled for space-saving storage in the storage or tool box
- For sockets, e.g. HAZET 1000 S
- The fitting accuracy of interior and exterior tube provides exact and safe fit in every length
- Special welding method provides force-fit connection of inside square $20 \frac{3}{4}$ and exterior tube
- Cold insulated handle
- With locking pin
- Surface: burnished, oiled



HAZET No.	l ₁ mm	l ₂ mm	□	EAN-No. 4000896+
772-1	1035	1430	3	123957

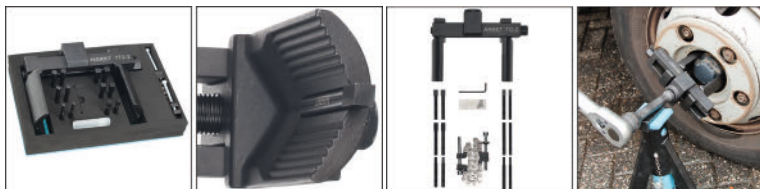


772 Universal axle and slotted nut wrench set

- Clamping range: 35–170 mm



- Application: For the removal and precise installation of nearly all common axle nuts, e.g. hexagon nuts, 8-point nuts, slotted nuts, face nuts, round nuts with drilled holes, round nuts with pin holes, etc.
- Max. torque: 700 Nm
- Plastic box
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistant



HAZET
No.

772-2/16



16

EAN-No.
4000896+

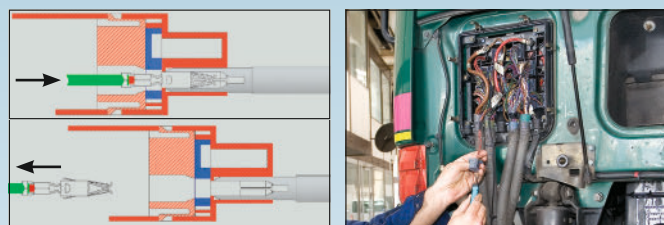
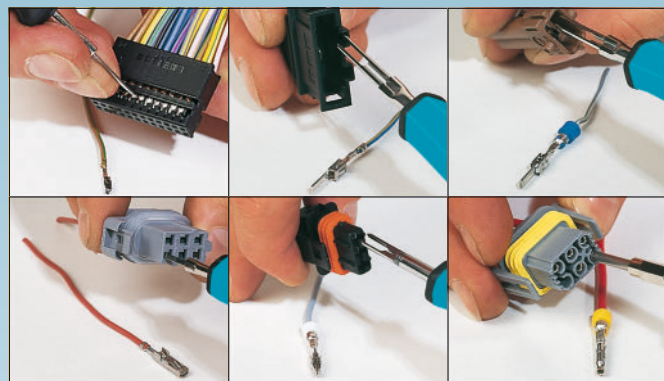
161041

Electricity / Battery Service

Contacts / Plug connections / Cable unlocking tool

SYSTEM cable release tool

- For professional working
- High ease of use
- Safe application
- OEM quality "Made in Germany"
- Malfunctions due to loose contacts can be remedied easily, quickly and professionally
- Universal application in the field of car electricity
- With sliding caps protecting the blades from damage and avoiding the risk of injury
- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts



4670 SYSTEM cable release tool assortment

Made in Germany



- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- Extension set for trucks/commercial vehicles



4671

4671-4 • 4671-15
4671-16

4673-12

4672

4672-19 • 4672-21
4672-22

4674

4674-9 • 4674-10

HAZET
No.

4670-6/9



9

EAN-No.
4000896+

135776

Made in Germany



- Guarantees damage-free releasing of the most common commercial vehicle contacts

- Application: For damage-free releasing of plug contacts, e.g. flat plug contacts and release tools for secondary locking, housing locking and flat spring contacts

- Extension set for HGV/commercial vehicles



4672

4672-1 • 4672-3
4672-4

4673

4673-1 • 4673-12

HAZET
No.

4670-9/5

L x W x H
mm

185x153x52



5

EAN-No.
4000896+

205042



SOUGHT AND FOUND! IN THE NEW HAZET SPARE PARTS SHOP



**Find the right
parts now!**

www.hazet.de/ersatzteil-shop

Spare parts (E)	HAZET No.	EAN-No. 4000896+	
For tool cabinet 111			
Padlock with 2 keys	160-08 a	004294	
For tool trolley 162 C			
• Container for small parts	162 C-5	078189	
• For <i>Assistant</i> 162 C and 166 C			
• Set of separation sheets consisting of 5 separation sheets	162 C-6/5	120772	
• For <i>Assistant</i> 162 C and 166 C			
Table board, complete with worktop	162 C-010	079780	
Swivel castor, Ø 125 mm, complete with brake	162 C-011	079865	
Castor set , consisting of: 2 swivel castors Ø 125 mm and set of fixed castors Ø 150 mm	162 C-0119	079889	
Knob	162 C-080	080397	
Chain with locking of chain case	162 C-01/2	079735	
Padlock with 2 keys	160-08 a	004294	
For tool trolley 162 N			
• Set of separation sheets consisting of 5 separation sheets for 162 N and 166 N	160-6/5	120741	
Knob	162 C-080	080397	
Padlock with 2 keys	160-08 a	004294	
Fixed castor, 125 mm Ø, complete	160-09	004300	
Swivel twin castor, 75 mm Ø, with brake, complete (to be used in pairs)	160-011	004225	
Rubber mat for table board	160-012	004263	
Profiled rubber strip with black filler for table board and intermediary trays	160-013	004270	
Castor set , consisting of: 2 fixed castors, 125 mm Ø, complete, 2 swivel twin castors, 75 mm Ø, with brake, complete	160-0119	004232	
Plastic bushing for bottom intermediary tray	160-15	004331	
Indexing box for table board, complete	160-20	004348	

Spare parts (E)	HAZET No.	EAN-No. 4000896+	
For tool trolley 162 N			
Indexing box for top intermediary tray, complete	160-40	004362	
Chain, 31 links, per pair	160 Lg-01	004447	
For tool trolley 166 C			
• Container for small parts	162 C-5	078189	
• For <i>Assistant</i> 162 C and 166 C			
• Set of separation sheets consisting of 5 separation sheets	162 C-6/5	120772	
• For <i>Assistant</i> 162 C and 166 C			
Table board, complete with worktop	162 C-010	079780	
Swivel castor, Ø 125 mm, complete with brake	162 C-011	079865	
Castor set , consisting of: 2 swivel castors Ø 125 mm and set of fixed castors Ø 150 mm	162 C-0119	079889	
Chain with locking of chain case	162 C-01/2	079735	
Pillar complete with knob and clamping rod	166 C-070	079759	
Clamping rod complete with knob	166 C-080	080403	
For tool trolley 166 N			
• Set of separation sheets consisting of 5 separation sheets for 162 N and 166 N	160-6/5	120741	
Clamping rod complete with knob	166 C-080	080403	
Padlock with 2 keys	160-08 a	004294	
Fixed castor, 125 mm Ø, complete	160-09	004300	
Swivel twin castor, 75 mm Ø, with brake, complete (to be used in pairs)	160-011	004225	
Rubber mat for table board	160-012	004263	
Profiled rubber strip with black filler for table board and intermediary trays	160-013	004270	
Castor set , consisting of: 2 fixed castors, 125 mm Ø, complete, 2 swivel twin castors, 75 mm Ø, with brake, complete	160-0119	004232	
Plastic bushing for bottom intermediary tray	160-15	004331	

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For tool trolley 166 N		
Indexing box for table board, complete	160-20	004348
Indexing box for top intermediary tray, complete	160-40	004362
Chain, 31 links, per pair	160 Lg-01	004447
For tool trolley 168		
Padlock with 2 keys	160-08 a	004294
Fixed castor, 125 mm Ø, complete	160-09	004300
Swivel twin castor, 75 mm Ø, with brake, complete (to be used in pairs)	160-011	004225
Castor set , consisting of: 2 fixed castors, 125 mm Ø, complete, 2 swivel twin castors, 75 mm Ø, with brake, complete	160-0119	004232
Ball-bearing drawer slides for 152 N, 168 N, 169 HD, 171, 172 HD, 174 until 2000, riveted slide, drawer carrier width 545 mm complete, per pair	152 N-07	003501
Hand knob, black, for 168 N, with inside hexagon screw	168-055	005062
For tool trolley 169 N		
Padlock with 2 keys	160-08 a	004294
Swivel castor with brake, 100 mm Ø	169 N-011	059263
Swivel castor without brake, 100 mm Ø	169 N-0110	059270
Castor set complete: 2 fixed castors, 2 swivel castors	169 N-0119	059294
Flat drawer, 80 mm	169 N-02	090303
Plastic worktop	169 N-05	060986
For 174 since 6/2001 169 N since 5/2000 and 176-1 Ball bearing rail, suspended, carrier of drawer 565 mm and for the laterally extendable tray of 173 complete per pair	169 N-07/2	080304
Fixed castor, 160 mm Ø	169 N-09	059287
For tool trolley 170		
Padlock with 2 keys	160-08 a	004294
Pair of ball bearing rails For the installation of the drawers in HAZET 170-6, 170 C-5, 170 K-5, 170 L	170-07	060245
For tool trolley 171		
Padlock with 2 keys	160-08 a	004294
Fixed castor, 125 mm Ø, complete	160-09	004300
Swivel twin castor, 75 mm Ø, with brake, complete (to be used in pairs)	160-011	004225
Castor set , consisting of: 2 fixed castors, 125 mm Ø, complete, 2 swivel twin castors, 75 mm Ø, with brake, complete	160-0119	004232
Ball-bearing drawer slides for 152 N, 168 N, 169 HD, 171, 172 HD, 174 until 2000, riveted slide, drawer carrier width 545 mm complete, per pair	152 N-07	003501
Plastic shutter, complete	171-031	005437
For tool trolley 172 HD		
Ball-bearing drawer slides for 152 N, 168 N, 169 HD, 171, 172 HD, 174 until 2000, riveted slide, drawer carrier width 545 mm complete, per pair	152 N-07	003501
Padlock, long with 2 keys	168-08 a	005086
Castor set , consisting of: 2 fixed castors, 160 mm Ø, with axle 20 mm Ø, complete, 2 swivel castors, 125 mm Ø, with adequate fastening and brake, complete	172-0119	005567
Fixed castor, 160 mm Ø, complete	172-09	005710
Swivel castor, 125 mm Ø, with brake, complete	172-011	005550
Rubber mat for table board, 755x375x2 mm	172-012	005574

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For tool trolley 173		
• Distance plate (wooden) for machinist's vice 2175 N • For mounting on <i>Assistant</i> 173-1, 176-1, 178, 179 • Including fixing kit	173-23	090228
For 174 since 6/2001 169 N since 5/2000 and 176-1 Ball bearing rail, suspended, carrier of drawer 565 mm and for the laterally extendable tray of 173 complete per pair	169 N-07/2	080304
Pair of rails for front drawers, complete, per pair	173-07	089819
Fixed castor, screws included, 125 mm Ø	173-09	089932
Swivel castor, with brake, screws included	173-011	089949
Lock for side-locker and closing cylinder for central locking system	173-013	090174
5 plastic pawls for central locking system	173-017	090181
5 drawer locking pins, rivets included	173-019	090198
Locking bar	173-021	092741
For tool trolley 174		
Padlock with 2 keys	160-08 a	004294
Ball-bearing drawer slides for 152 N, 168 N, 169 HD, 171, 172 HD, 174 until 2000, riveted slide, drawer carrier width 545 mm complete, per pair	152 N-07	003501
For 174 since 6/2001 169 N since 5/2000 and 176-1 Ball bearing rail, suspended, carrier of drawer 565 mm and for the laterally extendable tray of 173 complete per pair	169 N-07/2	080304
Fixed castor, 160 mm Ø, complete	172-09	005710
Flat drawer for tool trolley <i>Assistant</i> 174 since 1/2001	174-04	090334
Castor set , consisting of: 2 fixed castors, 160 mm Ø, with axle 12 mm , 2 swivel castors, 125 mm Ø, with brakes, complete, 1 swivel castor without brake + = Attention: Please note Ø when ordering wheels	174-0119	005840
For tool trolley 176		
For 174 since 6/2001 169 N since 5/2000 and 176-1 Ball bearing rail, suspended, carrier of drawer 565 mm and for the laterally extendable tray of 173 complete per pair	169 N-07/2	080304
Flat front cover, black	176-051	099146
For tool trolley 177		
Padlock with 2 keys	177-04	151226
Fixed castor, Ø 100 mm	177-09	151158
Swivel castor Ø 100 mm, with brake	177-011	151165
Swivel castor, 100 mm Ø without brake	177-0110	151172
Drawer, shallow	177-80	151189
Ball-bearing drawer slides (pair)	178-07/2	143443
Locking bar for individual locking	179-056	146215
For work bench 177 W		
Drawer, shallow	177-80	151189
Ball-bearing drawer slides (pair)	178-07/2	143443
Separation sheet for shallow drawer	179-055	145782
Locking bar for individual locking	179-056	146215
For tool trolley 178		
5 drawer locking pins, rivets included	173-019	090198
Cylinder lock with 2 hinged keys	180-08	110896
Flat drawer, 75 mm	178-050	146178
High drawer, 160 mm	178-051	146161
Ball-bearing drawer slides (pair)	178-07/2	143443
Edge protection	178-093	143221



Information

Components and spare arts



Spare parts (E)	HAZET No.	EAN-No. 4000896+
For tool trolley 178		
Swivel castor Ø 125 mm, with brake	179-011	143184
Separation sheet for shallow drawer	179-055	145782
Locking bar for individual locking	179-056	146215
Separation sheet for high drawer	179-065	146239
Fixed castor Ø 125 mm	179-09	143160
For tool trolley 179		
Swivel castor Ø 125 mm, with brake	179-011	143184
Locking bolt plate	179-019	146208
Flat drawer, 75 mm	179-050	146192
High drawer, 160 mm	179-051	146185
Separation sheet for shallow drawer	179-055	145782
Locking bar for individual locking	179-056	146215
Separation sheet for high drawer	179-065	146239
Guiding rails, (pair)	179-07/2	143177
Set of locks for 179-1	179-08/2	188659
Fixed castor Ø 125 mm	179-09	143160
For tool trolley 179 XL		
Locking bolt plate	179 XL-019	181278
Plastic cover with logo	179 XL-045 L	181285
Worktop	179 XL-05	181292
Drawer, shallow	179 XL-050	181254
Drawer, tall	179 XL-051	181247
Plastic cover on handle side	179 XL-05 G	181308
Spare lock	179 XL-08	181124
Decorative strip for drawer	179 XL-092	181261
For tool trolley 179 XXL		
Worktop for 179 XXL	179 XXL-05	181230
Drawer, shallow in 5/3 width	179 XXL-050	181346
Drawer, tall in 5/3 width	179 XXL-051	181353
Decorative strip for 5/3 drawer	179 XXL-092	181339
For tool trolley 179 A XXL		
Metal sheet	179 A XXL-01/2	187379
For tool trolley 179 T XXL		
Door	179 T XXL-021	181445
Drawer, shallow in 3/3 width	179 T XXL-050	181551
Drawer, tall in 3/3 width	179 T XXL-051	181384
Medium drawer; 3/3 width	179 T XXL-052	181377
Lock set	179 T XXL-08/2	181438
Decorative strip for 3/3 drawer	179 T XXL-092	181360
For work bench 179 W		
Locking bolt plate	179-019	146208
Flat drawer, 75 mm	179-050	146192
Separation sheet for shallow drawer	179-055	145782
Locking bar for individual locking	179-056	146215
Separation sheet for high drawer	179-065	146239
Guiding rails, (pair)	179-07/2	143177
For tool trolley 180		
Locking bar for central locking	180-04	110889
Guiding rails, per pair	180-07	115051
Cylinder lock with 2 hinged keys	180-08	110896
Door, lockable	180-021	175499
For various tool trolleys		
1 Rubber pad for 161-8, complete with screws, washer and seal	161-81	004850
For mechanic's creeper 195-2		
Replacement swivel castor (2 pieces)	195-02/2	162499
For rubber mat 196 VDE		
Bag for rubber mat 196 VDE-8	196-8 TL	173921
Various component parts		
Clip, empty for 450 N/8 RS and 610 N/8 RS	450 N/8 RS L	020294
450 N/12 RS, 450 N/12 N RS, 610 N/12 RS	450 N/12 RS L	020270
Plastic part with screws for 650 K-20	650 K-020/6	028689
Plastic hammer head for 665-1 and 665-2	665-01	029211

Spare parts (E)	HAZET No.	EAN-No. 4000896+
Various component parts		
• Hand guard for flat chisel 730-6, 7 8	730 HS	029631
• Made of shock-resistant plastic		
• Punch tip for 747-1	747-02	051380
Tightening strap for 794 U-3	794 U-301	031689
Segment with slip band for 794 U-3	794 U-303	031702
Set consisting of:		
2 retainer bolts, 2 lock washers for 798	798-0/4	031849
798-1	798-01/4	031856
798-3	798-03/6	107513
798-5	798-05/4	031894
798-10	798-010/4	031863
798-6 798-8 798-12	798-012/4	031870
Bowden cable complete with fixing kit, 2 x nuts M 4 for 798-15	798-0151	082254
Bowden cable for 798-15	798-0152	082247
Bowden cable for 798-15 A complete: bowden cable, coating, 2 headless screws, spring	798-0151 A	097753
Flexible hose for 798-15 B	798-0150 B	142439
Bowden cable for 798-15 A and B	798-0152 A	097760
Sliding guide device for 798-15 A and B	798-0153 A	097784
• Blade Set for 822 (5 pieces per set)	822-01/5	033720
• Replacement hard-metal tip for 825-25	825-025	033928
Spare chisel for 847-0410 A and 1027 A	847-10 A	144150
For reversible ratchet etc.		
Replacement set for shift lever consisting of: shift lever, pawl, screws, ball, compression spring for 863 K, 863 G, 863 P, 863 PC, 863 Q, 863 S, 863 ST, 863 BGL, 863 BKC, 863 BK, 863 MC, 863 Mbit, 2264	863 P/6	144600
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 G, 863 P, 863 PC, 863 ST, 863 K, 863 MC	863 P/7 N	038596
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel with quick-release press-button , pawl, shift lever, screws, ball, compression spring for 863 Q, 863 S as well as for refitting 863 P, 863 PC, 863 G, 863 ST, 863 K, 863 MC	863 S/7	048472
Fixing clamp for 880 KF, 900 KF, 4767 KF	880 KF-01	050123
880 A KF, 900 A KF, 4766, 4766-1, 4767 A KF	880 A KF-01	050130
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, pawl for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST 916 K, 2264-1, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1, 6402-1 S, 6408-1	8816 P/6	144617
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 8816 G, 8816 GK, 8816 P, 8816 ST, 5110-2 CT 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	8816 P/7 N	042234
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel with quick-release press-button , pawl, shift lever, screws, ball, compression spring for 8816 S, 6402-1 S as well as for refitting 8816 P, 8816 G, 8816 GK, 8816 ST, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	8816 S/7	048465

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For reversible ratchet etc.		
Plastic handle for: 8814, 8816 P, 8816 F, 8816 G, 8816 GK, 2593 Lg-17	8816 KG-02	042166
Replacement set for joint connection consisting of: screw and lock washer for 8814, 8816 G, 8816 GK	8816 G-013	042111
• Replacement set , consisting of: hinged section, screw and lock washer for 914-15 and 914-18	914/3	046065
Replacement set for joint connection, consisting of: screw and lock washer for 914-15, 914-18, 916 GK	916 G-013	046188
Plastic handle for 916 F, 916 SP, 2574, 2574-1	916 KG-02	046225
Plastic handle for 914-15, 914-18, 916 GK, 771-17, 771-19, 771-21, 771 A-13/16, 772	916 KG-04	046249
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, 2 screws, ball, compression spring, ratchet wheel with quick-release press-button and pawl for 916 S as well as for refitting 916 SP, 916 GK and 916 L	916 S/7	046300
Replacement set for shift lever 12.5 = 1/2" ■ consisting of: shift lever, 2 screws, ball, compression spring and pawl for 916 S, 916 SP, 916 GK, 916 Lg, 916 L, 916 GL	916 SP/6	144624
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, screws, ball, compression spring, ratchet wheel and pawl for 916 SP, 916 GK, 916 Lg, 916 L, 916 GL	916 SP/7-1	046348
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: shift lever, screws, ball, compression spring, ratchet wheel and pawl for 916 K	916 K/7	155743
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	1016/6	001972
Replacement set for ratchet wheel 20 = 3/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	1016/8 N	001989
• Insert square for 1058-2	1058-02	111763
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1116, 6150-1 CT, 6160-1 CT, 6170-1 CT	1116/6	003228
Replacement set for ratchet wheel 25 = 1" ■ consisting of: shift lever, screws, ball, compression spring, pawl, ratchet wheel for 1116, 6160-1 CT, 6170-1 CT	1116/8 N	003235
For range of pullers/extractors		
Puller hook 170 mm	1777-03	134281
Spindle M 14x1.5x140 for 1786 F-9 13 1786 S-1 1787 F-9 13 1787 S-1	1786-01	134724
Spindle G 1/2x210 for 1786 F-16 20 1786 S-2 1787 F-16 20 1787 S-2	1786 S-03	134793
Various component parts		
Telescopic spring for 1805-3, 1806-1 up to -4	1806-01	006175
Conversion tips , bent at 90°, to convert the Pliers		
1846 a-5	1846 b-05/2	081318
1846 c-5	1846 d-05/2	081370

Spare parts (E)	HAZET No.	EAN-No. 4000896+
Various component parts		
Replacement set consisting of: 1 pair of jaws, 15 mm wide , 2 screws and 2 sleeves for 1932-1, -2, -5	1932-1/6	007820
Replacement set consisting of: 1 pair of jaws, 30 mm wide , 2 screws and 2 sleeves for 1932-1, -2, -5	1932-2/6	007905
Spare heads (pair) for 1952-28	1952-028	008391
1952-35	1952-035	008414
1952-40	1952-040	008438
1952-50	1952-050	008452
1953-30	1953-030	008575
1953-35	1953-035	008582
1953-40	1953-040	008599
1953-50	1953-050	008612
1953-60	1953-060	008629
Set , consisting of: 1 handle and 2 screws for 1959-3 and -4	1959-03/3	008711
* = only available in the set Set consisting of: grip 1963-015 for body, grip 1963-016 for handle	1963/02	008964
Jaws (2 pieces) jaw pusher-06* jaw pusher spring-07* cap screw-08*	1963-05	008957
Cutter crowns, set of 10 pieces for 1967	1967-01	009329
Center tip for 1967	1967-02	009336
Mirror and 2 spare bulbs for 1977-1	1977-01/3	009794
Spare bulb	1977-02	070442
Spare bulb	1978-01	076154
Light unit for 1979-6	1979-6-02	173808
Hook for 1979-6	1979-6-03	173815
Replacement battery for 1979-6	1979-6-05	173822
Fuse for 1979-6	1979-6-07	173846
• Saw blade for 1981, made of chrome-alloyed tool steel	1981-01	009848
Plastic clip, empty, for 2105 Lg/9 H	2105 Lg/9 H L	012022
Diaphragm for Borescope 2151	2151-01	013050
Ear tips for 2151	2151-02/2	062287
Tubular lamp (Soffitte) for 2153	2153-00	013128
Snap-off blades , e.g. for trimming knife 2157 (7 break-away parts) 100x18 mm set of 10 pieces	2157-04	013210
Blades with 2 holes , (e.g. for trimming knife 2157), set with 10 pieces	2157-05	013227
Hook blades , e.g. for trimming knife 2157, set of 10 pieces	2157-06	013234
Blades with 3 holes , (e.g. for 2157-1) set with 10 pieces	2157-07	150977
• Set , consisting of: Strap and rivet for 2170	2170/2	013388
Tightening strap, 396 mm long, for 2171-5	2171-05	013395
Tightening strap, 496 mm long, for 2171-6	2171-06	013401
Replacement set for ratchet wheel ○ 6.3 = 1/4" consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 863 BGL, 863 BKC, 863 BK, 863 MBit, 2264	2264/7	015917
Replacement set for ratchet wheel ○ 8 = 5/16" consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 2264-1, 6408-1	2264-1/7	015900
Spare chain for 4682-1	4682-03	149421
4682	4682-01	022175
Replacement set (9 pieces) for cutting chain 4682-01	4682-01/9	057214



Information

Components and spare arts



Spare parts (E)	HAZET No.	EAN-No. 4000896+
Various component parts		
Pipette for 4810 A, 4810 B	4810 B-05	082650
• Pull handle for collecting the cutting wire	4852-3	129454
• Wire starter for puncturing the glue bead	4852-5	129478
• Replacement set for safety spring vice 4900-1 A and -2 A consisting of 2 straight pins and 1 O-ring	4900-02 A/3	069415
• Replacement set for spring vice 4900-1 and 4900-2 consisting of 5 straight pins and 2 O-rings	4900-02/7	063437
Plastic insert	4900-100	061136
	4900-110	061143
	4900-120	061150
	4900-130	061167
High-Pressure Manometer Suitable for usage with the HAZET Hydraulic Foot Pump 4932-100	4932-101	168057
• 63 up to 1000 bar		
• For pressure control when using a spindle with limited capacity		
• With CU seal and cutting ring for accurate manometer adjustment		
For torque wrenches		
Sliding square without knob 10 = 3/8" ■ for 5110 CT, 5110 ST, 5110-1	5110-02	022373
Sliding square with black rotating knob 12.5 = 1/2" ■ for 5121-1 CT, 5122-1 CT, 5123-1 CT	5121-01	022410
Replacement display window for CLT-Torque Wrenches 5121-2 CLT, 5122-2 CLT, 5123-2 CLT	5000 CLT-02	117154
• Sliding square 12.5 = 1/2" ■ for 5121 CT, 5121 ST, 5121-1, 5122 CT, 5122 ST, 5122-1 5123 CT, 5123 ST, 5123-1	6414-1	027675
Replacement set spindle complete, 2 cylinder pins for 6391-12	6391-03/3	026968
6391-25 35 50	6391-04/3	026975
Replacement set Spindle, 2 cylinder pins for 6391-85	6391-05/3	026982
Plastic handle for 6391-12	6391-06	026999
6391-25 35 50 85	6391-07	027002
6392-200 320	6392-04	027095
Replacement set for twist lock , consisting of: lock spring, twist lock with 2 headless screws for 6010-1 CT, 6110-1 CT, 6114-1 CT, 6290-1 CT	6110-27	025053
Replacement set for twist lock , consisting of: lock spring, twist lock with 2 headless screws for 5121-2 CLT, 5122-2 CLT, 5123-2 CLT 6021-1 CT, 6022-1 CT, 6023-1 CT, 6111-1 CT, 6115-1 CT, 6121-1 CT, 6122-1 CT, 6123-1 CT, 6127-1 CT, 6128-1 CT, 6291-1 CT, 6292-1 CT, 6293-1 CT, 6722 TAC, 6291-2 CT	6122-27	025299
Replacement set for twist lock , consisting of: twist lock, lock spring and cylinder screw for 6132-1 CT, 6143-1 CT, 6144-1 CT, 6145-1 CT, 6150-1 CT, 6160-1 CT 6243-1 CT, 6244-1 CT, 6245-1 CT, 6146-1 CT, 6246-1 CT, 6294-1 CT, 6295-1 CT, 6296-1 CT	6144-01/3	025527
Replacement set for ratchet wheel 20 = 3/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	1016/8 N	001989
Replacement set for ratchet wheel 25 = 1" ■ consisting of: shift lever, screws, ball, compression spring, pawl, ratchet wheel for 1116, 6160-1 CT, 6170-1 CT	1116/8 N	003235

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For torque wrenches		
Replacement set for ratchet wheel 10 = 3/8" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 8816 G, 8816 GK, 8816 P, 8816 ST, 5110-2 CT 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1	8816 P/7 N	042234
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 5107-2 CT, 5108-2 CT 6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1	6401/7	111169
Replacement set for ratchet wheel 6.3 = 1/4" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring for 6401-1 S	6401-1 S/7	111152
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 6403-1, 6404-1	6403-1/9	070749
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel with quick-release press-button, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 6403-1 S, 6404-1 S	6403-1 S/9	070817
Replacement set for ratchet wheel 20 = 3/4" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring for 6150-1 CT	6150/8	151431
Replacement set for ratchet wheel 12.5 = 1/2" ■ consisting of: ratchet wheel, pawl, shift lever, screws, ball, compression spring, spring washer, circlip for 5121-2 CLT, 5121-2 CT, 5122-1 CT, 5122-2 CT, 5122-2 CLT, 5122 ST-1, 5123-2 CLT, 5123-2 CT, 5128-2 CLT, 6121 CT, 6121-1 CT, 6122-1 CT, 6122 CT, 6123-1 CT, 6123 CT, 6127-1 CT, 6128-1 CT, 6722 TAC	6122/9 N	025343
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1016, 1016/2, 6132-1 CT, 6143 CT, 6143-1 CT, 6143-01 CT, 6144 CT, 6144-1 CT, 6144-01 CT, 6145 CT, 6145-1 CT, 6145-01 CT, 6146-1 CT	1016/6	001972
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 1116, 6150-1 CT, 6160-1 CT, 6170-1 CT	1116/6	003228
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, pawl for 8816 G, 8816 GK, 8816 P, 8816 S, 8816 ST 916 K, 2264-1, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6402-1, 6402-1 S, 6408-1	8816 P/6	144617
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring for 6108-1 CT, 6109-1 CT, 6109-2 CT, 6401-1, 6401-1 S, 6408	6401-1/6	146048
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, spring washer and locking ring for 6403-1, 6403-1 S, 6404-1, 6404-1 S	6403-1/7	070756

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For torque wrenches		
Replacement set for shift lever consisting of: shift lever, screws, ball, compression spring, spring washer, circlip for 5121-2 CLT, 5121-2 CT, 5122-2 CLT, 5122-2 CT, 5122 ST-1, 5123-2 CLT, 5123-2 CT, 5128-2 CLT, 6121-1 CT, 6121 CT, 6122-1 CT, 6122 CT, 6123-1 CT, 6123 CT, 6127-1 CT, 6128-1 CT, 6722 TAC	6122/7	025329
Replacement set for lock consisting of: lock spring, lock cap, cylinder, key, 2 headless screws for 6110 CT	6110-26	025046
Replacement set for lock consisting of: lock spring, lock cap, cylinder, key, 2 headless screws for 6121 CT, 6122 CT, 6123 CT	6122-26	025282
Reversible ratchet with screw complete (replaceable): ■ 20 = 3/4" until the end of 2004 for 6132-1 CT, 6143 CT, 6143-1 CT, 6144 CT, 6144-1 CT, 6145 CT, 6145-1 CT, 6146-1 CT	6143-01	111190
Reversible ratchet with pin complete (replaceable): ■ 20 = 3/4" model years 2005 → for 6132-1 CT, 6144 CT, 6144-1 CT, 6145 CT, 6145-1 CT, 6146-1 CT	6145-01	111206
Replacement set for optical signal transmitter , consisting of: red button, compression spring, housing black), pin, screw for 6021-1 CT, 6022-1 CT, 6023-1 CT, 6110 CT, 6110-1 CT, 6111-1 CT, 6114-1 CT, 6115-1 CT, 6121 CT, 6121-1 CT, 6122 CT, 6122-1 CT, 6123 CT, 6123-1 CT, 6127-1 CT, 6128-1 CT, 6291-1 CT, 6291-2 CT, 6290-1 CT, 6291 CT, 6292-1 CT, 6293-1 CT	6122-29	025305
Safety shear pin for 6800 Alu-700	6800-01	148080
6800 Alu-1400	6800-02	148097
O-ring to lock the torque reaction device on 6800 Alu-700	6800-03	148288
6800 Alu-1400 – Lg-1400 and -2800	6800-04	148295
Torque reaction for 6800 Alu-700	6800-05	148103
O-ring to lock the safety shear pin on 6800 Lg-2800	6800-08	148936
O-ring and safety shear pin for 6800 Alu-1400 and Lg-1400	6800-010/3	147472
6800 Alu-2800	6800-011/2	147465
Safe Box for safe storage of torque wrenches Up to size BX 8 with display window For HAZET 5108-2 CT 5110-1 CT 6110-1 CT 6114-1 CT 6290-1 CT	6060 BX-2	024629
Safe Box for HAZET 5121-1 CT 5121-2 CLT 6111-1 CT 6115-1 CT 6121-1 CT 6291-1 CT 6291-2 CT	6060 BX-4	024636
5122-1 CT 5122-2 CLT 6122-1 CT 6127-1 CT 6292-1 CT	6060 BX-6	024643
5123-1 CT 5123-2 CLT 5128-2 CLT 6123-1 CT 6128-1 CT 6293-1 CT	6060 BX-8	102907
For pneumatic tools		
Replacement grinding disc (6 holes) for orbital sander 9033-1 • Medium hard • With hook and loop fastener • Ø 150 mm with 5/16" threaded mount	9033-010	139378

Spare parts (E)	HAZET No.	EAN-No. 4000896+
For pneumatic tools		
Abrasive belts For belt sander 9033-4 330 x 10 mm. Pack contents 10 pieces.		
Grain size 80	9033-480/10	139101
Grain size 100	9033-4100/10	139118
Grain size 120	9033-4120/10	139125
Grinding pads For orbital sander 9033-1 and -2 With 6 holes. For metalworking. Ø 150 mm. Pack contents 10 pieces		
Grain size 80	9033-180/10	139330
Grain size 100	9033-1100/10	139347
Grain size 120	9033-1120/10	139354
Grain size 150	9033-1150/10	139361
Saw blades for sabre saw 9034 P-1 • 5 pieces per package • 75 mm total length • Tool holder 1 x 13 mm		
18 teeth	9034-018/5	139392
24 teeth	9034-024/5	139408
32 teeth	9034-032/5	139415
Spare needles Suitable for needle scaler 9035-5 19 needles, Ø 3 mm	9035-050	139385
Replacement set for 9036-5 (upper and lower cutter incl. spacer plate and screw)	9036-05/9	142569



Information

Components and spare arts



Boxes, empty

without plastic inserts, order separately

Suitable for assortment	Box size outside mm	HAZET No.	EAN-No. 4000896+
Box, empty, made of plastic 854 X	184x153x52	165 X-S	195688
Made of metal 888 AZN, 888 N, 888 ZN, 1000, 1000 AZ, 1000 Z, 1002, Z, 1530 A/38, 1530 M/49, 1900/6, 5292-1 CT/20, 6292-1 CT/20, 6292-1 CT/28	578x235x88	1000 KL	001200

Suitable for assortment	Box size outside mm	HAZET No.	EAN-No. 4000896+
Made of metal 1100 Z	759x305x115	1100 KL	157419
Made of metal 986/9, 990/9, 992/9, 1557/15, 1557/20, 1557 N/17, 1557 N/9, 2272/17, 2351/15	225x123x46	2272 KL	015993
Case, empty, with insert for 4800/9		4800/9 KL	049820
Case, empty, made of plastic for 4968/14		4968-14 KL	168071

2-component soft foam inserts for boxes above

Suitable for assortment	HAZET No.	EAN-No. 4000896+
163-30/25	163-30 L	118595
163-31/27	163-31 L	118625
163-53/75	163-53 L	122509
163-55/15	163-55 L	122523
163-57/56	163-57 L	122752
163-58/27	163-58 L	122769
163-59/12	163-59 L	122745
163-60/22	163-60 L	122776
163-95/8	163-95 L	145966
163-96/3	163-96 L	145973
163-97/6	163-97 L	145980
163-98/17	163-98 L	145997
163-99/18	163-99 L	146000
163-100/13	163-100 L	146017
163-101/9	163-101 L	146024
163-102/27	163-102 L	146031
163-118/57	163-118 L	153480
163-119/23	163-119 L	153503
163-120/24	163-120 L	153565
163-121/4	163-121 L	153558
163-122/3	163-122 L	153527
163-124/4	163-124 L	153596
163-131/8	163-131 L	153619
163-138/77	163-138 L	151516
163-139/90	163-139 L	151523
163-140/33	163-140 L	151837
163-141/31	163-141 L	151844
163-143/18	163-143 L	151868
163-181/17	163-181 L	161492
163-182/9	163-182 L	161508
163-184/6	163-184 L	161515
163-185/5	163-185 L	161522
163-186/16	163-186 L	162338
163-191/18	163-191 L	162543
163-192/24	163-192 L	162550
163-211/20	163-211 L	164691
163-215/5	163-215 L	168132
163-217/6	163-217 L	168156
163-218/10	163-218 L	168163
163-220/13	163-220 L	168200
163-221/10	163-221 L	168187
163-222/13	163-222 L	168194
163-224/57	163-224 L	176328
163-226/4	163-226 L	178025
163-227/3	163-227 L	178131

Suitable for assortment	HAZET No.	EAN-No. 4000896+
163-229/7	163-229 L	178179
163-230/18	163-230 L	178148
163-233/36	163-233 L	178155
163-243/7	163-243 L	178315
163-245/12	163-245 L	178308
163-250/7	163-250 L	178230
163-251/14	163-251 L	178254
163-252/9	163-252 L	178247
163-257/4	163-257 L	179336
163-259/14	163-259 L	179541
163-264/5	163-264 L	180646
163-265/6	163-265 L	180653
163-269/3	163-269 L	180806
163-270/9	163-270 L	181049
163-271/9	163-271 L	181032
163-275/102	163-275 L	181599
163-277/39	163-277 L	181698
163-292/8	163-292 L	186365
163-296/7	163-296 L	186693
163-297/26	163-297 L	186273
163-299/8	163-299 L	186747
163-302/6	163-302 L	186594
163-303/6	163-303 L	186600
163-305/19	163-305 L	187423
669/10	163-306 L	190997
4760-M 8x1/9	163-321 L	191963
4760-M 9x1/9	163-322 L	192021
4760-M 10x1/9	163-323 L	192076
4760-M 10x1.25/9	163-324 L	192113
4760/6	163-325 L	192182
4797/10	163-326 L	191741
4642/33	163-328 L	192243
163-329/100	163-329 L	191802
163-330/16	163-330 L	191819
2272/23 N	163-333 L	192588
880 N-1	163-334 L	193431
880 ZN-1	163-335 L	193424
849	163-336 L	195404
854	163-337 L	194261
854-1	163-338 L	194469
854 T	163-339 L	194452
4910/13	163-340 L	194445
2200/36	163-341 L	194339
900	163-342 L	194438
0-13/95	163-343 L	194421

Suitable for assortment	HAZET No.	EAN-No. 4000896+
884 N-1	163-344 L	194414
1557/29	163-345 L	194407
1557/32	163-346 L	194896
844/5	163-347 L	194889
1557/21	163-348 L	194391
882-1	163-349 L	194384
853-1	163-350 L	194872
882	163-351 L	194377
880-2	163-353 L	194360
855-1	163-354 L	194353
1557/58	163-356 L	194322
900 AZ	163-357 L	194315
906	163-358 L	194308
954 N	163-359 L	194292
1557/9	163-360 L	194285
986/9 N	163-361 L	193844
163-362/39	163-362 L	193929
163-363/22	163-363 L	193936
851	163-364 L	194278
163-366/18	163-366 L	197071
163-367/31	163-367 L	197293
163-369/104	163-369 L	197309
163-370/9	163-370 L	197286
163-371/7	163-371 L	197279
163-372/25	163-372 L	197262
163-373/39	163-373 L	197248
163-374/27	163-374 L	197231
163-375/5	163-375 L	197347
163-376/54	163-376 L	197330
163-377/11	163-377 L	197361
163-378/11	163-378 L	197316
163-379/38	163-379 L	197354
163-380/4	163-380 L	197255
163-381/9	163-381 L	197323
163-382/3	163-382 L	197125
863 MC/13	163-383 L	197408
863 MBIT/33	163-384 L	197392
606 N/12	163-385 L	197101
163-386/94	163-386 L	197088
163-387/125	163-387 L	197095
669/11	163-398 L	199631
163-406/20	163-406 L	200009
163-407/35	163-407 L	200016

Equivalent standard bolt diameters

German, American, British, Norwegian, French and Swedish dimensions for wrenches
(Only sizes printed in the dark column can be ordered)

Metric dimensions										
Wrench size and nominal size mm	Thread diameter									
	DIN ISO 272					Swedish dimensions SMS				
	normal hexagon	large hexagon	with flange		Norwegian dimensions	French dimensions	Metric sizes		Whitworth	
			Screw	Nut			small 1414	large 1412	small 1415	large 1413
3										
3,2	1,6									
3,5										
4	2				1,7	2,5	2,3			
4,5					2		2,6			
5	2,5				2,3	3	3			
5,5	3				2,6					
6					3	3,5	3,5	3		
7	4		5		3,5	4 4,5	4	3,5		
8	5		6	5	4	5	5	4		
9					5	5,5	5			
10	6		8	6		6	6			
11	7				6 7		7	6		
12						7	8			
13	8		10	8					5/16	1/4
14					8	8		8		
15			12	10			10		3/8	5/16
16	10					9				
17					9 10	10		10		
18	12		14	12			12		7/16	3/8
19					11	11				
20										
20,8	Spark Plugs M 14									
21	14	12	16	14		12	14		1/2	7/16
22					12 14			12 14		
23						14				1/2
24	16	14		16			16		5/8	
25										
26	Spark Plugs M 18									
27	18	16	20		16		18	16		
28									3/4	5/8
29						18				
30	20	18		20			20			
32					18 20	20	22	18 20		
33									7/8	3/4
34	22	20					24			

American dimensions						
Wrench size and nominal size		Thread diameter				
		Bolts and nuts according to SAE	USS		Americ. Stand.	
			Screws & Nuts	Head screws	Screws & Nuts	Head screws
Inches	mm					
1⁄8	3,175					
5⁄32	3,97				0 1	
3⁄16	4,76				2 3	
13⁄64	5,16					
7⁄32	5,56					
15⁄64	5,95					
1⁄4	6,35				4	
17⁄64	6,75					
9⁄32	7,14					
19⁄64	7,54					
5⁄16	7,94		1⁄8	1⁄8	5 6	
11⁄32	8,73				8	
3⁄8	9,52			3⁄16	10	
13⁄32	10,32					
7⁄16	11,11	1⁄4		1⁄4	12,14	1⁄4
15⁄32	11,90					
1⁄2	12,70	5⁄16	1⁄4	5⁄16		5⁄16
9⁄16	14,29	3⁄8		3⁄8	5⁄16	3⁄8
19⁄32	15,08		5⁄16			
5⁄8	15,88	7⁄16		7⁄16	3⁄8	7⁄16
11⁄16	17,46		3⁄8			
3⁄4	19,05	1⁄2		1⁄2	7⁄16	1⁄2
25⁄32	19,84		7⁄16			
13⁄16	20,64			9⁄16	1⁄2	9⁄16
7⁄8	22,22	9⁄16	1⁄2	5⁄8	9⁄16	5⁄8
15⁄16	23,81	5⁄8				
31⁄32	24,61		9⁄16			
1	25,40	11⁄16		3⁄4	5⁄8	3⁄4
1.1⁄16	26,99	3⁄4	5⁄8			
1.1⁄8	28,57			7⁄8	3⁄4	7⁄8
1.3⁄16	30,16					
1.1⁄4	31,75	7⁄8	3⁄4	1		
1.5⁄16	33,34				7⁄8	1

British dimensions				
Nominal size Thread inches			Wrench size	
BSW Large 6-point BS 192	BSF and BSW small 6-point BS 1083	BA		
			Inch	mm
10			.117	2,97
9			.131	3,33
8			.152	3,86
7			.172	4,37
6			.193	4,90
5			.220	5,59
4			.248	6,30
1/16 = 3/32			.256	6,50
3			.282	7,16
3/32 = 1/8			.297	7,54
2			.324	8,23
1/8 = 3/16			.340	8,64
1			.365	9,27
0			.412	10,49
3/16 = 1/4			.445	11,30
1/4 = 5/16			.525	13,33
5/16 = 3/8			.600	15,24
3/8 = 7/16			.710	18,03
7/16 = 1/2			.820	20,83
1/2 = 9/16			.920	23,34
9/16 = 5/8			1.010	25,65
5/8 = 11/16			1.100	27,94
11/16 = 3/4			1.200	30,48
3/4 = 7/8			1.300	33,02



Equivalent standard bolt diameters

German, American, British, Norwegian, French and Swedish dimensions for wrenches
(Only sizes printed in the dark column can be ordered)

Metric dimensions										
Wrench size and nominal size mm	Thread diameter									
	DIN ISO 272					Swedish dimensions SMS				
	with flange		Screw	Nut	Norwegian dimensions	French dimensions	Metric sizes		Whitworth	
	normal hexagon	large hexagon					small 1414	large 1412	small 1415	large 1413
35						22				
36	24	22			22 24			22 24		
37									1	7/8
38						24				
41	27	24			27			27		
42						27			1.1/8	1
46	30	27			30	30		30		
47									1.1/4	1.1/8
50	33	30			33	33		33		
52									1.3/8	1.1/4
54						36				
55	36	33			36			36		
56									1.1/2	1.3/8
58						39				
60	39	36			39			39	1.5/8	1.1/2
63						42				
65	42	39			42			42	1.3/4	1.5/8
67						45				
70	45				45			45	1.7/8	1.3/4
71						48				
75	48				48			48	2	1.7/8
77						52				
80	52				52			52		2
82						56				
85	56				56			56		2.1/4
88						60				
90	60				60			60		
94						64				
95	64				64			64		2.1/2
100	68				68	68		68		
105	72				72	72		72		2.3/4
110	76				76	76		76		3
115	80				80			80		
116						80				
120	85				84			85		3.1/4
130	90				89			90		3.1/2
135	95				94			95		3.3/4
145	100				99			100		4
150	105				104			105		
155	110				109			110		4.1/4

American dimensions							
Wrench size and nominal size		Thread diameter					
		Bolts and nuts according to SAE		USS		Americ. Stand.	
		Inches	mm	Screws & Nuts	Head screws	Screws & Nuts	Head screws
1.3/8	34,92			1.1/8			
1.7/16	36,51	1	7/8				
1.1/2	38,10			1.1/4	1	1.1/8	
1.9/16	39,69						
1.5/8	41,28	1.1/8	1	1.3/8			
1.11/16	42,86				1.1/8	1.1/4	
1.3/4	44,45						
1.13/16	46,04	1.1/4	1.1/8				
1.7/8	47,63		1.1/4				
2	50,80	1.3/8	1.1/4				
2.1/16	52,39				1.3/8	1.1/4	
2.3/16	55,56	1.1/2	1.3/8				
2.1/4	57,15				1.1/2		
2.3/8	60,32		1.1/2				
2.7/16	61,91				1.5/8		
2.9/16	65,09		1.5/8				
2.5/8	66,68				1.3/4		
2.3/4	69,85		1.3/4				
2.13/16	71,44				1.7/8		
2.15/16	74,61		1.7/8				
3	76,20				2		
3.1/8	79,38		2				
3.3/8	85,72				2.1/4		
3.1/2	88,90		2.1/4				
3.3/4	95,25				2.1/2		
3.7/8	98,42		2.1/2				
4.1/8	104,78				2.3/4		
4.1/4	107,95		2.3/4				
4.1/2	114,30				3		
4.5/8	117,48		3				
5	127,00		3.1/4				
5.3/8	136,52		3.1/2				
5.3/4	146,05		3.3/4				
6.1/8	155,57		4				

British dimensions				
Nominal size Thread inches			Wrench size	
BSW Large 6-point BS 192	BSF and BSW small 6-point BS 1083	BA		
W	BS	BA	Inch	mm
13/16	= 15/16		1.390	35,31
7/8	= 1		1.480	37,59
15/16	= 1.1/16		1.580	40,13
1	= 1.1/8		1.670	42,42
1.1/8	= 1.1/4		1.860	47,24
1.1/4	= 1.3/8		2.050	52,07
1.3/8	= 1.1/2		2.220	56,39
1.1/2	= 1.5/8		2.410	61,21
1.5/8	= 1.3/4		2.580	65,53
1.3/4	= 2		2.760	70,10
2	= 2.1/4		3.150	80,01
2.1/4	= 2.1/2		3.550	90,17
2.1/2	= 2.3/4		3.890	98,81
2.3/4	= 3		4.180	106,17
3	= 3.1/4		4.530	115,06
3.1/4	= 3.1/2		4.850	123,19
3.1/2	= 3.3/4		5.180	131,57
3.3/4	= 4		5.550	140,92

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A. General Provisions

I. Validity

1. All offers, sales, deliveries and services of HAZET-WERK Hermann Zerver GmbH & Co. KG (hereinafter referred to as "HAZET") are based exclusively on the following General Terms and Conditions (hereinafter referred to as "Terms and Conditions"). We herewith explicitly oppose the purchaser's terms and conditions in the sense of § 305 et seq., German Civil Code (Bürgerliches Gesetzbuch – BGB).
2. The following Terms and Conditions are an integral part of all contracts concluded with HAZET's contractual partners for its deliveries and services. Agreement is given to the Terms and Conditions when the order is placed or the delivery accepted. The Terms and Conditions do not apply to relations with consumers in the sense of § 13, BGB.
3. Modifications and/or supplements to these Terms and Conditions are only valid if written agreement thereto has been given.
4. "Purchaser" refers to the contractual partner irrespective of the nature of the contract.
5. To the extent that nothing else is agreed in these Terms and Conditions, the determining factor for the interpretation of the various sales clauses is the Incoterms in their latest version.

II. Offers and Conclusion of Contracts

1. HAZET offers are subject to confirmation and without obligation. Requests can be accepted by HAZET within thirty (30) days. The Purchaser is thus bound to its request for at least this period. A request is deemed as accepted when HAZET has confirmed it in writing to the Purchaser. The delivery and invoice are both deemed confirmation of an order.
2. HAZET reserves the right to ownership and the copyright to the documentation pertaining to the offer (illustrations, drawings, descriptions and the like); third parties may only obtain access to the documentation if it is intended to be circulated. Otherwise it should upon request be returned to HAZET.
3. The information, drawings, illustrations, technical data, weights, measurements and descriptions of services included in brochures, catalogues, circulars, advertisements, price lists or in the documentation pertaining to the offer are only intended to convey a general idea of the products described. They do not include any explanations, other assurances or guarantees and shall not become an integral part of the contract. Deviations which are customary in the trade or modifications which are made due to legal regulations or are technical improvements are permitted as far as they do not adversely affect the contractually intended use.

III. Prices

1. Prices are net cash plus VAT of the respective statutory amount as well as freight ex works or warehouse and do not include outer packaging, postage and insurance.
2. If the Purchaser's value of consignment exceeds a value of 750 euros net, i.e. excluding VAT, the delivery shall be made with carriage paid to the Purchaser's address within Germany and without charging for the standard trade packaging. This applies to deliveries to the Purchaser's address exclusively. For different delivery addresses, the prices listed under Point III shall apply. 1.

IV. Payment Conditions

1. As far as nothing else is agreed in writing, the invoices are due for full payment in euros within 30 days as of the invoice date irrespective of any delays in delivery for which HAZET is responsible. The receipt by HAZET shall determine the date of payment.
2. As long as purchase price receivables based on older invoices which are due for payment are still unsettled, it is not permitted to make a cash discount deduction in any case.
3. If special agreements are the basis, HAZET shall only accept as payment checks and bills of exchange which are rediscountable with the Bundesbank (German central bank).
4. Bills of exchange or checks shall be credited subject to receipt and with the value of the date when HAZET can ultimately dispose over the proceeds. The Purchaser shall bear all costs and disbursements which result from this.
5. If the Purchaser does not adhere to the payment targets stated under A. IV. 1. the respective outstanding amount shall bear interest of 8% above the base rate pursuant to § 247, BGB, to be paid by the Purchaser. The right to assert further claims due to the delay is unaffected hereby.
6. HAZET's entire receivables shall become due immediately irrespective of the duration of accepted and credited bills of exchange if these payment conditions are not observed or if HAZET becomes aware of these circumstances. in the sense of A.VI.9. HAZET reserves the right to rescind from contracts or demand compensation instead of payment after the deadline has expired without any result. If HAZET exercises its right of rescission, it can satisfy its receivables from a private sale of the goods which are subject to the reservation of title and have been taken back.

7. The retention of payments or offsetting with the Purchaser's counterclaims is only permitted if the counterclaims are undisputed or have become res judicata.
8. With the exception of pecuniary claims the Purchaser cannot assign or transfer the rights and obligations arising from these Terms and Conditions and/or from the contracts covered by them without HAZET's prior written consent.
9. If HAZET receives information about a deterioration of the Purchaser's financial circumstances or if HAZET learns that the Purchaser is otherwise acting contrary to the contract, HAZET is entitled to request advance payments or that security be provided before rendering still outstanding deliveries or services.

V. Security

1. HAZET reserves the right to the ownership of all delivered goods (reserved property) until the full payment of all outstanding amounts which exist at the time of delivery or come into existence later on, and/or especially payment of the respective balance of the receivables, which HAZET has against the Purchaser for whatever legal reason. This also applies if payments are made for specifically designated receivables.
2. The Purchaser may only sell reserved property during the course of normal business and as long as it is not behind with the payment of outstanding receivables towards HAZET. The Purchaser herewith assigns in advance to HAZET all receivables against third parties arising from such sales in the amount charged for the respective sold reserved property including the statutory VAT.
3. If the Purchaser sells the reserved property together with other objects not delivered by HAZET, the assignment of the receivables from the sale shall apply only in the amount of the invoiced value of the reserved property, which value is stated in the HAZET invoices.
4. The Purchaser is entitled to collect the receivables from the sale to third parties.
5. HAZET shall be entitled to revoke the authorisation to collect receivables given in A. V. 4 if the Purchaser defaults on its payments and in the event of Art. A. IV. 9. Upon request the Purchaser must inform HAZET of the assigned receivables and their debtors and provide the documentation which is necessary to collect the receivables. Upon special request by HAZET the Purchaser shall inform the third-party debtors of the assignments having taken place.
6. As far as the Purchaser becomes entitled to claims against insurance companies or other third parties due to the reserved property deteriorating or becoming damaged, lost or destroyed or for other reasons, these claims shall also be assigned instead of the sales proceeds to HAZET in advance and to the same extent together with all ancillary rights.
7. Rights arising from the reservation of title and from all the special forms stipulated in these conditions are also deemed until the title is transferred in full as contingent liabilities which HAZET has accepted in the Purchaser's interest.
8. The Purchaser may not make or allow dispositions regarding the reserved property, which do not correspond to the above conditions.
9. The Purchaser must inform HAZET in writing and without undue delay of seizures and other risks to HAZET's rights, which risks arise from third parties, and give information necessary for legal action to be brought by a third party claiming title to the seized property in accordance with § 771, Code of Civil Procedure (Zivilprozessordnung – ZPO). The Purchaser shall be liable if HAZET suffers a loss because a third party cannot pay the legal and out-of-court costs of legal action which it must reimburse to HAZET pursuant to § 771, ZPO.
10. HAZET is entitled, at the Purchaser's expense, to insure the reserved property against fire, water and theft unless the Purchaser can demonstrate that it has taken out such insurance itself.
11. If the value of the security including the possibilities to offset exceeds the secured receivables by more than 10% for an extended period of time, HAZET is obliged to release securities of HAZET's choice upon the Purchaser's request.

VI. Return of Goods

Goods can only be returned with HAZET's prior written consent and if they are up-to-date, in their original packaging and can be resold. Return delivery must be free of charge. A credit note for goods in their original packaging and suitable for resale shall be issued at 80% of the invoiced price. Costs for any reprocessing or new packaging shall be deducted additionally. The credit note can only be credited with new deliveries of goods. As a general principle, returns of insulated tools cannot be accepted for safety reasons.



B. Deliveries, Warranty, Liability

I. Delivery Periods, Delivery Dates

1. The delivery periods and dates stated by HAZET are not binding.
2. The delivery periods commence with the receipt of the order confirmation but not before all the details of the order have been completely clarified and any necessary national and international official certificates have been obtained. The delivery periods and dates refer to the time of delivery, i.e. dispatch ex works or warehouse; they shall also be deemed to have been observed with the notification that the goods are ready to be dispatched if HAZET is not responsible for the fact that the goods cannot be dispatched on time.
3. Without influencing HAZET's rights arising from the Purchaser's default, the agreed delivery period is extended by the time during which the Purchaser defaults on its obligations arising from this or other business plus an appropriate start-up period.
4. Partial deliveries are permitted as far as the Purchaser can be reasonably expected to accept them. Each partial delivery is deemed an independent business transaction.
5. HAZET is entitled to withhold outstanding deliveries if the Purchaser does not fulfil its payment obligations or if there is reasonable concern that it cannot fulfil such an obligation (right of retention). HAZET reserves the right in any case to make deliveries in return for advance payment or cash on delivery.

II. Special Conditions for Goods on Recall

For business with continuous deliveries HAZET must receive release orders and type categories for roughly the same amount per month. If the release orders or type categories are not given on time, HAZET is entitled after the deadline has expired without any result to make the type categories and deliver the goods itself or to rescind from the still outstanding part of the business and demand compensation instead of payment.

III. Force majeure and other obstacles to delivery

1. Force majeure events, such as strike, lockout, mobilisation, war, blockade, export and import bans, raw material and fuel shortages, fire and other circumstances which are not the fault of HAZET shall entitle HAZET to postpone the delivery for the duration of the obstacle and an appropriate start-up time. This applies irrespective of whether the above mentioned circumstances occur at HAZET, the upstream supplier or one of the subcontractors.
2. The Purchaser can demand an explanation from HAZET as to whether delivery will take place within an appropriate period or whether a rescission from the contract should be considered. If HAZET does not make a declaration within an appropriate deadline, the Purchaser can itself rescind from the as yet unfulfilled part of the delivery.
3. The declaration made by the preliminary supplier or the sub-contractor to HAZET regarding circumstances which have occurred at their premises pursuant to B.III.1. are deemed as sufficient proof that HAZET is not responsible for the hindrance of the delivery.

IV. Dispatch and Passing of Risk

1. The forwarding agent or freight carrier shall be determined by HAZET. The choice of itinerary and means of transport is left to HAZET due to the lack of a special agreement but excluding any liability.
2. Release orders must be given without undue delay for goods which have been notified as ready for dispatch on the agreed date. HAZET is otherwise entitled to store them as it sees fit at the Purchaser's expense and risk and invoice them as delivered ex works or warehouse. The means of transport must be unloaded immediately if the delivery is made with carriage paid. The costs for any periods of delay shall always be borne by the Purchaser.
3. The risk shall in any case – including a confiscation – pass to the Purchaser when the goods are handed over to the forwarding agent or freight carrier or at the latest when the goods leave the works or warehouse – e.g. even if the delivery is made with carriage paid.
4. The Purchaser is obliged to examine the goods for damage and defects immediately after receipt. Defects and incorrect or wrong quantities of deliveries must be reported to HAZET no later than 7 days after receipt of the goods, as otherwise the goods will be deemed to have been approved. The Purchaser must notify the responsible haulage company, transport or freight company or the post office and HAZET immediately of any transport damage and obvious defects.
5. Premature deliveries which the Purchaser can be reasonably expected to accept and excess or short deliveries which are customary in the trade are permitted.
6. The requested amount does not have to be reached or may be exceeded by up to 10 % for custom-made products. Also considered as custom-made products are mass-produced articles which the Purchaser explicitly wishes to have a special designation. The Purchaser is not entitled to a right of rescission. The goods cannot be returned to HAZET.

V. Defects and Warranty

1. At the discretion of HAZET, all goods will be repaired free of charge, re-delivered or performed again (subsequent performance) if they (irrespective of the length of operation) display defects within the limitation period, the cause of which was already present at the time when risk was transferred.
2. HAZET must always be first granted an opportunity for subsequent fulfillment pursuant to B.V.1. within an appropriate deadline.
3. Claims due to liability for defects do not exist in the event of only minor deviation from the agreed characteristics, in the event of only minor impairment of usability, in the event of natural wear or damage which emerges after the transfer of risk due to incorrect or negligent handling or any other particular external influences.
4. Statutory recourse claims by the Purchaser against HAZET only exist as far as the Purchaser has not come to any understanding with its customer which exceeds the statutory claims due to liability for defects.
5. The reimbursement pursuant to B.V.4. above is limited to the cost price (e.g. transport and material costs) incurred by the Purchaser but not its profit margin towards the customer.
6. Further claims by the Purchaser due to material defects, which are asserted against HAZET and its vicarious agents, are excluded subject to the regulation in B.VI. of these Terms and Conditions.
7. Claims based on liability for defects have a statute of limitations of one year as of delivery.
8. Claims by the Purchaser based on damage arising from the violation of secondary obligations in a purchase contract, which do not constitute a defect, also have a statute of limitations of one year.

VI. Liability

1. Compensation claims on whatever legal grounds which are made by the Purchaser are excluded unless based on cases of intent, gross negligence, bodily injury, death or damage to health, due to the violation of a guarantee pursuant to § 444 BGB, inability or the violation of a major contractual obligation.
2. The compensation for the violation of a major contractual obligation is, however, limited to the foreseeable damage which is typical in contracts unless there is intent or gross negligence or liability due to bodily injury, death or damage to health or due to a guarantee pursuant to § 444, BGB. A reversal of the burden of proof to the Purchaser's disadvantage is not associated with the above regulations.
3. The provisions of the product liability law shall apply without restrictions.

C. Final Provisions

1. The place of fulfillment and exclusive court of venue for all disputes directly or indirectly resulting from this contractual relationship is Remscheid.
2. The legal relationship between HAZET and the Purchaser is exclusively subject to the law of the Federal Republic of Germany excluding the respective national provisions on the international conflict of laws, in particular the United Nations Convention on Contracts for the International Sale of Goods (CISG) dated April 11, 1980.
3. These Terms and Conditions shall apply until revoked.
4. Should any one of the clauses in these Terms and Conditions be or become invalid either in part or in full, the validity of the rest and/or the other provisions shall not be affected hereby.



- Select the right tool.
- Use the tool according to the operating instructions
- Wear eye protection
- Keep tools clean
- Insulated tools (according to VDE-standards) must be used when working on live components.



Read instructions before use



Measuring units serve to select the right-sized tools



Wear safety glasses



An optimal frictional connection guarantees a long service life of tools and screws



Use hearing protection



Do not modify tools



Only use suitable specialty tools to extend the lever arm



Hand-operated tools are not suitable for use with impact wrenches



Do not hit hand tools with a hammer



Never open more than one drawer at a time (danger of tipping over)



Avoid splintering due to incorrect striking



Never use drawers as a ladder



Never use a screwdriver as a pry bar or chisel



Never pull tool trolleys



Select screwdriver with an appropriate blade. Always be sure that the screwdriver blade is vertical to the screw



Dispose of worn-out tools



Tell us your ideas. Attractive prizes from the HAZET range of products will be awarded for the best suggestions.



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Environmental management

We wish to avoid substances hazardous to water (e.g. acids, lyes, oils, coolants etc.) or store and use them in such a way that no damage is done to the environment. Wastewater must only be discharged in clean condition. Emissions that come from our company must not cause any damage to the environment or people. Carefully handling the resources and actively protecting the environment are part of our corporate responsibility.

Consumption of resources

Corporate environmental protection to us means looking at, analysing and improving company processes in their entirety. Negative impacts on the environment can only be reduced by taking appropriate care during production and provision of services.

Compliance with legal regulations, continuous improvement

We are obligated to comply with the official requirements, laws and provisions and constantly improve the corporate environmental protection. For all measures for protecting the environment, we orientate ourselves by the best available and economically viable technology.

Employee development

Successful environmental protection can only be achieved through the active cooperation of all employees. We therefore wish to inform and educate all employees to the extent that they can actively take joint responsibility.

Active public relations

We wish to engage in an open and objective dialogue with the business partners, neighbours, authorities and the interested public regarding negative environmental impacts of our company and are receptive to suggestions for improvement.

Procurement

When procuring our raw and auxiliary materials, we consider ecological criteria and we prefer suppliers who place a similarly high amount of importance in environmental protection as we do.

Monitoring

We regularly monitor and assess the environmental impacts of our company as well as the attainment of our set targets, which are adapted when new knowledge is acquired.









HAZET representatives and sales offices in Germany

HAZET-WERK
Hermann Zerver GmbH & Co. KG
Postanschrift:
100461
D-42804 REMSCHEID
Hausanschrift:
Güldenwerther Bahnhofstr. 25-29
D-42857 REMSCHEID
☎ +49(0)2191/792-0
FAX Inland +49(0)2191/792-375
FAX Export +49(0)2191/792-400
www.hazet.de
e-mail info@hazet.de

Verkaufsbüro West
☎ (02191) 792-231
FAX (02191) 792-375
www.hazet.de
e-mail kevin.ankermann@hazet.de

Hans Voss GmbH
Werksvertretungen
Rechbergstr. 7
D-70794 Filderstadt-Harthausen
☎ (07158) 980 0745
FAX (07158) 980 9886
e-mail Hans-Voss-GmbH@t-online.de

Verkaufsbüro Nord
☎ +49 (0) 2191 / 792-425
FAX +49 (0) 2191 / 792-375
www.hazet.de
e-mail auftragscenternord@hazet.de

Wenzel GmbH
Altendorfer Tor 23
D-37574 Einbeck
Postfach 18 41
D-37559 Einbeck
☎ (0 55 61) 93 42-60
FAX (0 55 61) 93 42-30
e-mail info@wenzeleinbeck.de

Verkaufsbüro Mitte
☎ (02191) 792-229
FAX (02191) 792-375
www.hazet.de
e-mail jennifer.mania@hazet.de

Verkaufsbüro Süd
☎ +49(0)2191/792-272
FAX +49(0)2191/792-375
www.hazet.de
e-mail auftragscentersued@hazet.de



Delivery only through HAZET specialist dealers. The named representatives are available to provide information and advice.

HAZET-Guarantee



During the whole production process, all HAZET tools are subject to stringent quality controls and before delivery ex works they are meticulously checked for material defects and faulty workmanship.

HAZET offers a total quality guarantee on all tools showing material defects or faulty workmanship.

If you detect material defects or faulty workmanship, please send us the tool in question free of charge, together with your distributor.

After inspection by us, we will replace your tool or repair it free of charge, provided that the tool shows a material defect or faulty workmanship.

All adapters are excluded from the guarantee.

The guarantee on sockets for impact operation is limited to material defects and faulty workmanship.

The guarantee does not cover the sockets' normal wear and tear damage.

The guarantee will not be valid for tools which cannot be used any more due to their old age or due to abuse or improper use.

In this context, we emphasise that the operating instructions and safety recommendations of each tool must be strictly observed. For more details, also see the General Safety Recommendations on this page as well as the indications given in our Illustrated List.

Below are some examples which are considered as "improper use of tools" and are not covered by the guarantee:

- Exceeding the tool's normal or prescribed capacity, e.g.
 - The use of a diagonal cutter for a steel thread whose diameter is too large
 - Chisels, centre punches or drift punches that have been used too hard or on a too hard steel surface.
- The further use of a tool that already shows damage or defects.
- The operation of screws and nuts with a wrong-sized socket.
- Tools that have been modified.
- The use of sockets designated for manual operation on impact wrenches.



We replace any tool showing material defects and/or faulty workmanship (see also our sales, delivery and payment conditions).



HAZET – environmental protection is of fundamental importance to us.
This price list has been printed using environmentally friendly chlorine-free paper.

HAZET is certified in accordance with
DIN EN ISO 14001
0410430403
DIN EN ISO 9001
0410030403



HAZET-WERK – With Tradition to the Future!



Plant 1 · Remscheid-Güldenwerth



Plant 2 · Heinsberg



Plant 3 · Remscheid-Vieringhausen



Plant 4 · Remscheid-Vieringhausen



Partner of
Raeder Motorsport



Official partner of
the Nürburgring



Official supplier of
MERCEDES-BENZ
Global TechMasters



OFFICIAL SUPPLIER

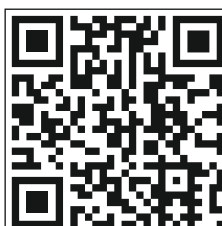
PORSCHE

MOTORSPORT
LMP1 TEAM

OFFICIAL SUPPLIER

PORSCHE

MOTORSPORT



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Das Werkzeug



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