



Specialty Tools



Engine



Engine Timing /Timing Belt
Spark and Glow Plug
Cylinder Head
Valve /Piston
Fuel System /Fuel Injection
Cooling System /Hose Connection
Diagnostics
Exhaust System /Lambda Probe

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Engine



Gearbox



Clutch
Flywheel

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Gearbox



Oil Service



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Oil Service



Brakes



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Brakes



Chassis



Spring Vice /Shock Absorbers
Wheel Bearing /Wheel Hub
Silent Block
Cardan Shafts
Wheels /Tyres

Pages 237–250 ▶
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Chassis



Electricity/ Battery Service



Electrical Testing
Battery Service
Connections /Plug Connections
Generator

Pages 270–271 ▶
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Electricity/
Battery Service



Body and Interior Equipment



Body Repair
Wiper Arm
Steering Wheel / Airbag

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Body and Interior
Equipment



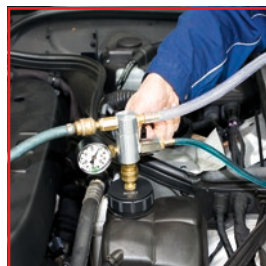
Borescope / Inspection



Endoscopes
Borescope

Pages 286–287 ▶

Borescope /
Inspection

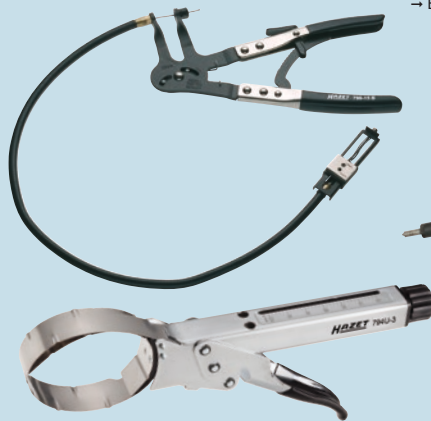


Specialty Tools

Engine

Tools for the following fields of application:

- ✓ Engine Timing / Timing Belt
- ✓ Spark and Glow Plug
- ✓ Cylinder Head
- ✓ Valve / Piston
- ✓ Fuel System / Injection Technology
- ✓ Cooling System / Hose Connection
- ✓ Exhaust System / Lambda Probe
- ✓ Diagnostics



For Smartphones with QR-Reader (App)

www.hazet.de
→ Tool Finder
→ Engine Timing Tools

Engine Timing/Timing Belt

Pulley Extractor



- For pulleys of passenger cars
- Especially suitable for areas with restricted access

Application:

Extractor for pulleys **with thread holes**, application 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

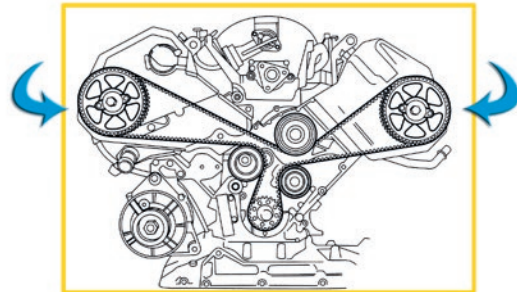
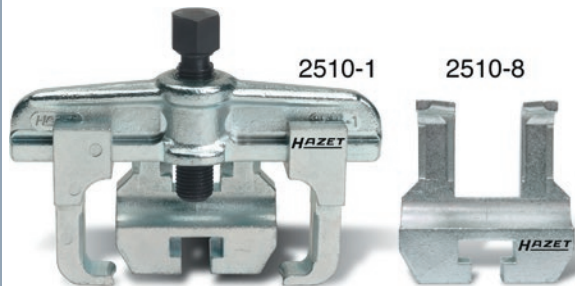
Extractor with **2 groove hooks** (fit into the grooves of the pulley, if gripping behind is not possible), application with:

- 1 crossbar, short, for pulleys 80–140 mm Ø
- 1 crossbar, long, for pulleys 135–235 mm Ø

Made in Germany

HAZET No.	EAN-No.
1789 N-1	4000896+ 158621

Camshaft Sprocket Extractor



- For the extraction of camshaft sprockets

Application:

- 5 and 6-spoke camshaft sprockets on 4 or 6-cyl. engines TDi, engines V6- and V8, AUDI A 4, A 6, A 8

Made in Germany

HAZET No.	EAN-No.
2510-1	4000896+ 071913
Puller hook	
• To supplement extractor 2510-1.	
• For 5-spoke camshaft sprockets on VW/AUDI V8 petrol engines	
2510-8	082063



Assembly Tool Set



For professional installation of seals

Application: e.g. at crankshafts or camshafts of most VW/AUDI engines

15 pieces, in foam insert of plastic case, contents:

Housing 2536-1

Support sleeve 2536-2

Pressure ring 2536-3 4 5

Adapter sleeve 2536-6 7 8 9 10

Centring bushing 2536-11 12 13 14 15

Made in Germany

HAZET No.	EAN-No. 4000896+
2536-1/15	180622

Timing Belt Pulley Tool



Retainer with exchangeable pins

- For installing and removing the timing belt pulley on camshaft, crankshaft and fuel injection pump on **VW** Lupo, Polo, New Beetle, Golf, Caddy, Bora, Touran, Sharan, Transporter
- AUDI** A2, A3, A4, A6, TT
- ŠKODA** Fabia, Octavia, Superb
- Handle with dip-coating, black
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
2540-1	695	110407

Timing Belt Double-Pin Wrench



For the professional engine repair

- For adjusting the **timing belt** at the tensioner roller
- AUDI** A3 1.9 TDi model year 1998–2003, A4 1.6 model year 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 year 1997–2005, Golf, Jetta, Passat 1.6 l Diesel, Passat 1.6 model year 1996–2005, Passat 2.0 model year 2001–2005, Polo 1.9 SDi, TDi model year 1999–2006
- Offset design
- Distance of pins 18 mm, pin \varnothing 2.9 mm

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2587	140	017140

Timing Belt Double-Pin Wrench



For the professional engine repair

- For adjusting the timing belt at the tensioner roller
- AUDI** A2 1.2 TDi model year 2001–2006, A3 1.9 TDi model year 2001–2006, A4 1.9 TDi model year 2001–2006, A4 2.0 and 2.0 FSi model year 2001–2006, A4 4-cyl. since 1995, A6 2.0 model year 2001–2005
- SEAT** Alhambra 1.9 TDi model year 1999–2006, Ibiza 1.9 TDi model year 2002–2006, León 1.9 TDi model year 1999–2006
- VW** Golf 1.9 TDi, Golf Plus 2.0 l (4-cyl.) since 2005, Lupo 3-cyl Diesel since 1999, Passat 2.0 16V model year 2002–2005, Passat TDi since 1998, Polo 1.4 TDi model year 1999–2006, Polo 1.9 TDi model year 2002–2006, Polo 3-cyl. Diesel, 4-cyl. pump-nozzle injection, Sharan 1.9 TDi model year 1996–2005
- ŠKODA** Octavia 1.9 TDi model year 2000–2005
- Distance of pins 18 mm, pin- \varnothing 3 mm
- Surface: matt chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2587-1	250	053476



For the professional engine repair

- For adjusting the timing belt at the tensioner roller
- VW** Golf 3, 4, Golf 5 since 2005 1.9 TDI, 2.0 TDI petrol engine, Beetle 2.0 l petrol engine since 2003, Transporter T5 4 cyl. diesel since 2004
- AUDI** A3, **ŠKODA** Octavia
- Distance of pins 18 mm, pin- \varnothing 3 mm
- 15° offset
- Surface: matt chrome-plated

HAZET No.	EAN-No. 4000896+
2587-2	072439



Application

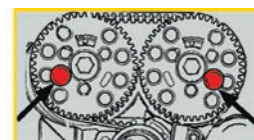
Engine Timing Tools

www.hazet.de → Tool Finder

→ Engine Timing Tools

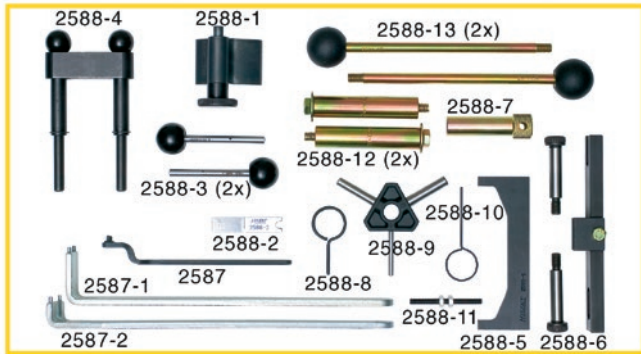
◀ For Smartphones with QR-Reader (App)

Engine Timing Tool AUDI, VW, SEAT, ŠKODA



Continuation see next page ▶

Engine Timing Tool AUDI, VW, SEAT, ŠKODA



For the professional engine repair

- For timing belt changing and other engine repairs
- Detailed operating instructions including cross references to original part/tool numbers
- Single parts optionally available
- Clear arrangement in high-quality plastic case with soft foam insert

Petrol engines:

1.4 1.6 1.8 1.8 T 2.0 16V
AUDI 80, A2, A3, A4, A6, Cabriolet (1995 up to 2000)
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:

engines with pump-nozzle injection technology 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

Assortment of 19 pieces

Contents:

2587 2587-1 2587-2
 2588-1 2 3 (2x) 4 5 6
 7 8 9 10 11 12 (2x) 13 (2x)

HAZET No.	EAN-No. 4000896+
2588/19	127771
2587	017140
2587-1	053476
2587-2	072439
Crankshaft Fixing Device for locking the crankshaft, 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 e.g. VW 1.6 l and 2.0 l Common-Rail diesel engine	
2588-3	087754
Camshaft locking for locking the camshaft sprockets when changing the timing belt	
2588-4	110391
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

Engine Timing Tool AUDI, VW, SEAT, ŠKODA



For the 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/Córdoba

1.4–1.6 FSI engines:

AUDI A3,
ŠKODA Octavia,
VW Polo, Golf, Touran, Tiguan, EOS, Passat

Diesel engines: 4-cylinder engines with pump-nozzle injection technology since 2005 **VW** and **VW** group vehicles

Set of 9 pieces in soft foam insert
 (may be stored in tool case 2588/19)

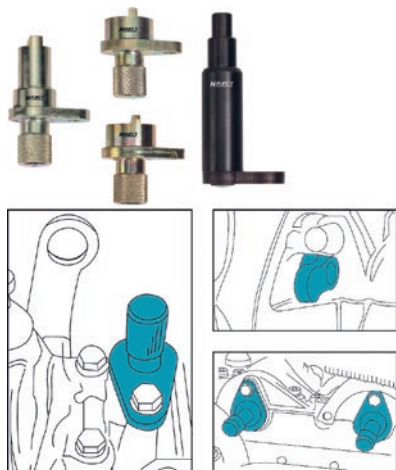
Contents:

2588-14 15 (2x) 16 17 18 19 110
 3688-10

HAZET No.	EAN-No. 4000896+
2588/9	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-nozzle injection engines since 2005 e.g. VW 2.0 l Common-Rail diesel engine	
Crankshaft Fixing Device For fixing the oval crankshaft timing belt pulley e.g. during timing belt replacement or engine repair	
2588-110	143283
TDC Position Tool, application with dial gauge 2155-65	
3688-10	137527



Fixing Bolt Set



For the professional engine repair

- Fixing bolts for the crankshaft and camshaft on 3-cyl. engines
- 1.2 6V and 12 V 3-cyl. engines, **VW** Polo, Fox, **ŠKODA** Fabia, **SEAT** Ibiza, Córdoba

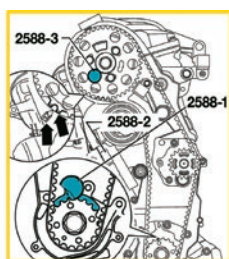
Set of 4 pieces

Contents:

2588-14 15 (2x) 16

HAZET No.	EAN-No. 4000896+
2588/4	164653
Fixing Bolt	
2588-14	144198
2588-15	144204
2588-16	144211

Tool Set for Timing Belt Replacement



2588-1



2588-2



2588-3

For timing belt replacement, e.g. on VW engines with pump-nozzle injection technology since 1999

- **AUDI** A2, A3, A4, A6, **VW** Passat, Golf, Bora, Beetle, Sharan, Lupo and Touran, **SEAT** Alhambra, Arosa, Altea, Toledo, León, **ŠKODA** Octavia, Fabia, Superb, Roomster, **FORD** Galaxy

- The use of this tool set ensures that the engine timing is retained when changing timing belt or when carrying out engine maintenance work

Contents:

crankshaft fixing device 2588-1

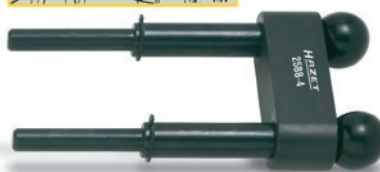
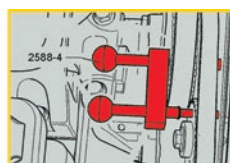
locking plate 2588-2

locking pin 2588-3

Tool Set for Timing Belt Replacement

HAZET No.	EAN-No. 4000896+
2588/3	087761
Crankshaft Fixing Device for locking the crankshaft, e.g. VW 1.6 I and 2.0 I Common-Rail diesel engine	
2588-1	087730
Locking Plate for locking the tensioner roller	
2588-2	087747
Locking Pin for locking the camshaft sprocket e.g. VW 1.6 I and 2.0 I Common-Rail diesel engine	
2588-3	087754

Camshaft Locking Tool

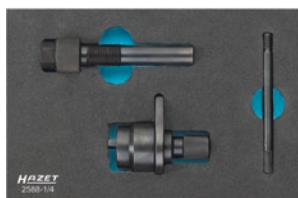


For the professional engine repair

- For locking the camshaft sprockets when changing the timing belt
- Engine repair on 4-valve 4-cyl. injection engines
- **AUDI** A2 model year 2000–2006
- **SEAT** Arosa, Ibiza, Leon, Toledo, Córdoba 1.6 16V model year 2000–2005, Leon 1.4 16V model year 1999–2006
- **ŠKODA** Fabia and Octavia 1.4 16V model year 1999–2006
- **VW** Bora 1.4 and 1.6 since 1999, Caddy 1.4 16V model year 1998–2006, Leon 1.4 16V model year 1999–2006
- **ŠKODA** Fabia and Octavia 1.4 16V model year 1999–2006
- **VW** Bora 1.4 and 1.6 since 1999, Caddy 1.4 16V model year 1998–2006, Lupo since 1996, Golf 1.4 and 1.6 since 1998, Golf, Bora 1.4 16V model year 1999–2005, Golf, Bora 1.6 16V model year 1999–2005, Lupo since 1999, Lupo, Polo 1.4 16V model year 2000–2005, Lupo, Polo 1.6 16V model year 2000–2005, New Beetle 1.4 since 1999, Polo since 1995, Polo Classic, Variant since 1996

HAZET No.	EAN-No. 4000896+
Camshaft locking for locking the camshaft sprockets when changing the timing belt	
2588-4	110391

Engine Timing Tool AUDI, VW, SEAT, ŠKODA



For the professional engine repair

- For checking and adjustment of engine timing
- Detailed operating instructions including cross references to original part/tool numbers
- Single parts optionally available

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

Set of 4 pieces in soft foam insert (may be stored in tool case 2588/19)

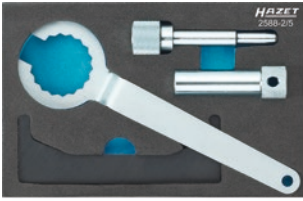
Contents:

2588-20 (1x) 21 (1x) 22 (2x)

HAZET No.	EAN-No. 4000896+
2588-1/4	180325

Engine

Engine Timing Tool AUDI, VW, SEAT, ŠKODA



For the professional engine repair

- 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–)

Motortypen:

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, BKK, BJL, BJM

Set of 5 pieces in soft foam insert
(may be stored in tool case 2588/19)

Contents:

2540-3
2588-5 7 28 32

HAZET No.	EAN-No. 4000896+
2588-2/5	180332



For the professional engine repair

- Detailed operating instructions including cross references to original part/tool numbers
- Single parts optionally available

VW Touareg (2003–2008), Transporter (2003–2008) Multivan (2004–2008)

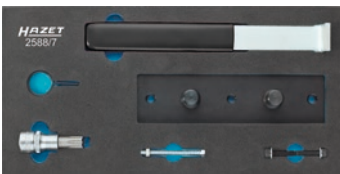
Engine code: AXD, AXE, BAC, BLJ, BLK, BNZ, BPC, BPD, BPE

Set of 10 pieces in soft foam insert

Contents:

2588-29 30 31 32 33 34

HAZET No.	EAN-No. 4000896+
2588/10	180349



For the professional engine repair

- Detailed operating instructions including cross references to original part/tool numbers
- Single parts optionally available

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

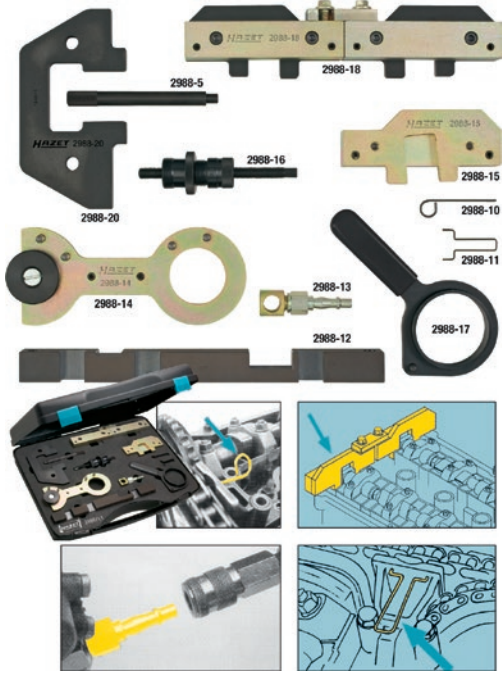
Set of 7 pieces in soft foam insert

Contents:

2579-9 K
2588-8 23 26 27

HAZET No.	EAN-No. 4000896+
2588/7	180363

Engine Timing Tool BMW



For the professional engine repair

- Installation and removal of the camshaft/variable camshaft timing unit
- Checking and adjustment of camshaft timing
- Detailed operating instructions including cross references to original part/tool numbers

• Clear arrangement in high-quality plastic case with soft foam insert

For **BMW** petrol engines: M40, M43

with twin camshafts: M42, M44, M50, M52, M54, M56

- Installation, removal and timing of variable camshaft timing unit

- Checking and adjustment of camshaft timing/timing belt changing

BMW:

E36: 316i year 1993–99/

E46: 316i year 1999–2004/316i Compact year 1994–2001 (M43)

E36: 318i year 1993–99 (M43)

E46: 318i year 1998–04 (M43)

E30: 318iS-16V, year 1989–91 (M42)

E36: 318iS/Coupé year 1992–98/318ti Compact year 1994–98 (M42)

318iS/Coupé year 1996–99/318ti Compact year 1996–2001 (M44)

320i year 1991–97/320i year 1991–99 – Single Vanos (M52)

E36/E46: 320i year 1998–2006 – Twin Vanos

323i Compact year 1995–2001 – Single Vanos

323i year 1998–2001 – Twin Vanos (M52)

E36: 325i year 1991–97 / 325i year 1991–97 – Single Vanos

E46: 325i Compact year 2000–06 – Twin Vanos

E38: 328i year 1995–99 – Single Vanos

E46: 328i year 1998–2001 – Twin Vanos/ 330i year 2000–06 – Twin Vanos

E34: 518i year 1994–96 (M43) / 520i year 1989–96

E43: 520i year 1989–96 – Single Vanos

E39: 520i year 1995–99 – Single Vanos / 520i year 1998–2003 – Twin Vanos

E60/6: year 2003–05 – Twin Vanos

E39: 523i year 1995–99 – Single Vanos / 523i year 1998–2001 – Twin Vanos

E34: 525i year 1989–96 / 525i year 1989–96 – Single Vanos

E39: 525i year 2000–03 – Twin Vanos

E60/E61: 525i year 2003–05 – Twin Vanos

E39: 528i year 1996–2000 – Single Vanos

528i year 1998–2001 – Twin Vanos (M52)

530i year 2000–03 – Twin Vanos

E60/61: 530i year 2003–05 – Twin Vanos

E38: 728i year 1995–98 – Single Vanos

728i year 1998–2002 – Twin Vanos

E65/E66: 730i year 2002–05 – Twin Vanos

E83: X3-2.5i year 2003–06 – Twin Vanos

X3-3.0i year 2003–06 – Twin Vanos

E53: X5-3.0i year 1999–2005 – Twin Vanos (M54)

Z3-1.8i year 1996–99 / 1.9i year 1999–2003 (M43/M44)

2.0i year 1999–2003 – Twin Vanos (M52)

2.2i year 2000–03 – Twin Vanos (M52)

2.8i year 1997–99 – Single Vanos / 2.8i year 2000–03 – Twin Vanos

3.0i year 2000–03 – Twin Vanos (M54)

E85: Z4-2.2i year 2003–06 – Twin Vanos

2.5i year 2003–06 – Twin Vanos / 3.0i year 2003–06 – Twin Vanos

Assortment of 11 pieces

Contents:

2988-5 10 11 12 13 14 15 16 17 18 20

HAZET No.	EAN-No. 4000896+
2988/11	148721



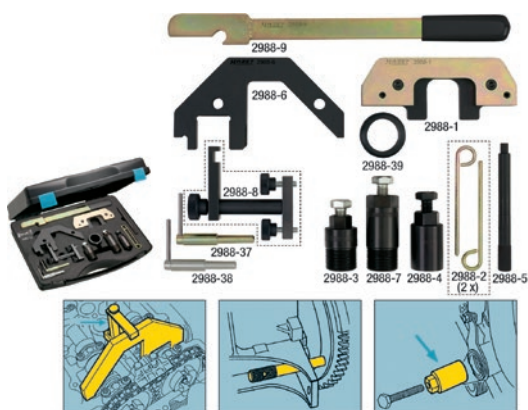
Specialty Tools – Engine – Engine Timing/Timing Belt

Ingenious Tools

Engine Timing Tool BMW



HAZET No.	EAN-No. 4000896+
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 2988-17	149940
Camshaft Setting Plate 2988-18	149957
Camshaft Setting Plate 2988-20	149971



For the professional engine repair

- Installation and removal of the camshaft/variable camshaft timing unit
- Checking and adjustment of camshaft timing
- Detailed operating instructions including cross references to original part/tool numbers

- Clear arrangement in high-quality plastic case with soft foam insert

For **BMW** diesel engines M 41, M 51, M 47 – M 47 TU/T2, M 57/TU/T2:2,0l/3,0l year 1998–2008

- Installation and removal of the camshaft/hydraulic chain tensioner
- Checking and adjustment of camshaft timing

BMW:

E36:	318tds/318tds Compact model years 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, 2.0 l d/3.0 l d
E53/E70:	X5, 3.0 l d
E90/E91:	316i, 316ti, 318ci, 318ti, 320i
E90/E91/E92/E93:	318i, 320i

ROVER

Range Rover: 2.5 DT model years 1994–2002 / 3.0 TD6 model years 2002–2006
Freelander: 2.0 TD4 model years 2002–2006

Assortment of 13 pieces

Contents:

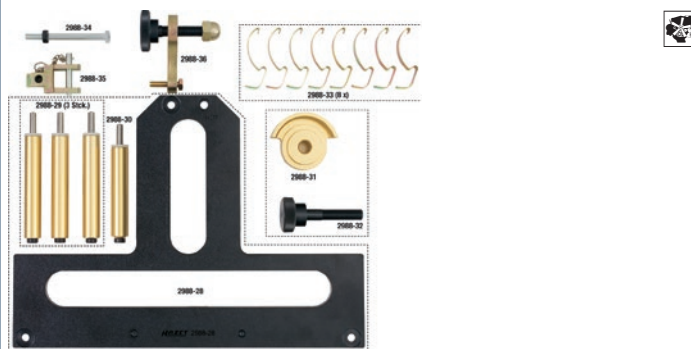
2988-1 2 (2x) 3 4 5 6 7 8 9 37 38 39

HAZET No.	EAN-No. 4000896+
2988/13	148714

Engine Timing Tool BMW



HAZET No.	EAN-No. 4000896+
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



For the professional engine repair

- Installation and removal of the camshaft/variable camshaft timing unit
- Checking and adjustment of camshaft timing
- Detailed operating instructions including cross references to original part/tool numbers

- Clear arrangement in high-quality plastic case with soft foam insert

For **BMW** petrol engines N42, N46

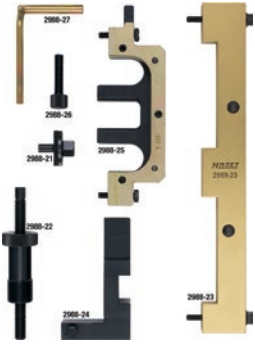
Assortment of 18 pieces

Contents:

2988-28 29 (3x) 30 31 32 33 (8x) 34 35 36

HAZET No.	EAN-No. 4000896+
2988/18	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 2988-35	150120
Eccentric Shaft Holder 2988-36	150137

Engine Timing Tool BMW



For the professional engine repair

- Installation and removal of the camshaft/variable camshaft timing unit
 - Checking and adjustment of camshaft timing
 - Detailed operating instructions including cross references to original part/tool numbers
 - Clear arrangement in high-quality plastic case with soft foam insert
- For **BMW** petrol engines N42, N46

7 pieces, in plastic case

Contents:

2988-21 22 23 24 25 26 27

HAZET No.	EAN-No. 4000896+
2988/7	149735
Camshaft Turning 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

Engine Timing Tool BMW



For the professional engine repair

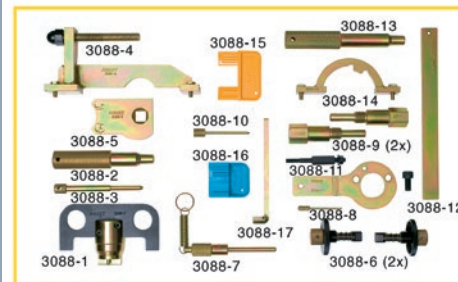
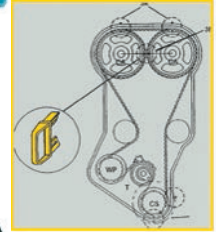
- Installation and removal of the camshaft/variable camshaft timing unit
- Checking and adjustment of camshaft timing
- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert
- **Assortment of 25 pieces** as complete set 2988/25, consisting of two cases 2988/7 and 2988/18 (Components/single sets see table above)
- Installation and removal of the camshaft/variable camshaft timing unit
- Checking and adjustment of camshaft timing
- Set consisting of 2 cases

BMW:

E87: 118i/120i – N46 engine
 E46: 316i/316ti/318i/318ti – N42 engine
 E90/E91: 318i/320i – N46 engine
 E85: Z4, 2.0 l – N46 engine

HAZET No.	EAN-No. 4000896+
2988/25	149759

Engine Timing Tool OPEL



For the professional engine repair

- For timing belt changing and other engine repairs
- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert

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)

OPEL 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

OPEL Agila, Astra, Corsa, Vectra, Tigra, Combo-C, Zafira, Omega, Frontera, Sintra, Signum

Assortment of 19 pieces

Contents:

3088-1 2 3 4 5 6 (2x) 7 8 9 (2x) 10 11 12 13 14 15 16 17

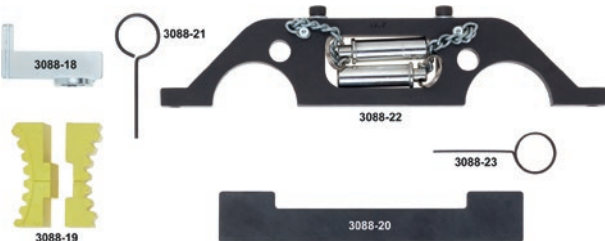
HAZET No.	EAN-No. 4000896+
3088/19	127788
Camshaft Setting Tool	
3088-1	137138
Crankshaft Locking Tool	
3088-2	136704
Injection Pump Locking Pin	
3088-3	136711
Cam Sprocket Attachment	
3088-4	137602
3088-5	137077
Camshaft Setting Tool (price per piece – to be used in pairs)	
3088-6	137145
Flywheel (Crankshaft) 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



Specialty Tools – Engine – Engine Timing/Timing Belt

Engine Timing Tool OPEL

HAZET No.	EAN-No. 4000896+
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



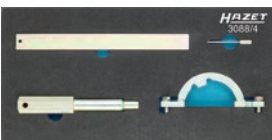
For the professional engine repair

- For timing belt changing and other engine repairs
- **Supplementary Set, 6 pieces, in soft foam insert**
- 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

Contents:

3088-18 19 20 21 22 23

HAZET No.	EAN-No. 4000896+
Flywheel Holding Tool 3088-7	155941
Camshaft Sprocket Locking Tool 3088-18	155958
Camshaft Setting Plate 3088-19	155965
Locking Pin for Chain Tensioner 3088-20	155972
Camshaft Setting Tool 3088-21	155989
Chain Tensioner Locking Pin 3088-22	155996
3088-23	156009



For the professional engine repair

- For checking and adjustment of engine timing
- **Petrol engines with timing chain: 1.0-1.2-1.4 l**
- **OPEL** 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 + model years 2005–2008

In Safety-Insert-System, 2-component soft foam insert

4 pieces

- 3088-8 Chain tensioner retaining pin
- 3088-12 Camshaft setting plate
- 3088-13 Crankshaft locking pin
- 3088-14 Camshaft setting tool

HAZET No.	EAN-No. 4000896+
3088/4	186563

Engine Timing Tool OPEL



For the professional engine repair

- For checking and adjustment of engine timing
- **Petrol engines with timing chain: 1.0 1.2 1.4 l Turbo since 2010**
- **OPEL:** Astra- J, Adam, Agila-B, Cascada, Combo, Corsa D, Meriva B, Mokka, Zafira Tourer
- **Chevrolet:** Cruze
- **Engine code:** A10XEP, A12XEL, A12XER, A14XEL, A14XER(LDD), A14NEL(LUH), A14NET(LUJ), LDU

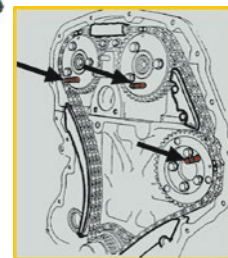
In Safety-Insert-System, 2-component soft foam insert

6 pieces

- 3088-13 Crankshaft locking pin
- 3088-24 Camshaft setting plate
- 3088-25 Sensor adjustment tool
- 3088-26 Sensor Adjustment Tool
- 3088-27 Camshaft retainer
- 3088-8 Chain tensioner retaining pin

HAZET No.	EAN-No. 4000896+
3088/6	186587

Engine Timing Tool FORD



For the professional engine repair

- For timing belt changing and other engine repairs
- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert

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

Continuation see next page ►

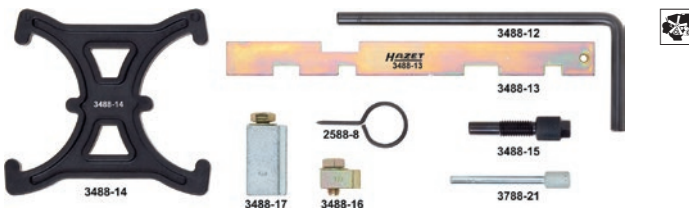
Engine Timing Tool FORD

Assortment of 17 pieces

Contents:

3488-1 2 (2x) 3 4 5 6 7 8 (3x) 9 10 11
3788-21 22 23

HAZET No.	EAN-No. 4000896+
3488/17	127795
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 the professional engine repair

- For timing belt changing and other engine repairs
- **Supplementary Set, 8 pieces, in soft foam insert**
- 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

Contents:

2588-8
3488-12 13 14 15 16 17
3788-21

HAZET No.	EAN-No. 4000896+
3488/8	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
Injection Pump and Crankshaft Locking Pin	
3788-21	136858
Locking Pin	
3488-19	166213

Engine Timing Tool FORD-Duratorq



For the professional engine repair

- 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
- **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, F5FA, 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**

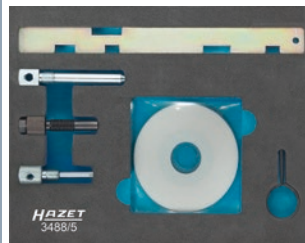
In Safety-Insert-System, 2-component soft foam insert

10 pieces

- 3488-6 Locking pin
- 3488-7 Locking pin
- 3488-8 Camshaft and injection pump locking pins (3x)
- 3488-9 Chain tensioner locking pin
- 3488-20 Engine cover centring tool
- 3488-21 Crankshaft seal centring tool
- 3488-22 Chain wheel holder
- 3488-23 Removal tool

HAZET No.	EAN-No. 4000896+
3488/10	186945

Engine Timing Tool FORD/MAZDA/Volvo



For the professional engine repair

- 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, HWDA, HWDB
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, EDDD, EDDF, NGA, BGB, NGC, NGD
2.0 RS/Sa70 (timing belt)	ALDA, HMDA
2.0 16V (timing chain)	AOBA, AODA, AODB, AOWA, CJBA/B, N4JB
2,3 16V (timing chain)	SEBA, SEWA, GZFA, GZFB



Specialty Tools – Engine – Engine Timing/Timing Belt

Engine Timing Tool FORD/MAZDA/Volvo

- 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)

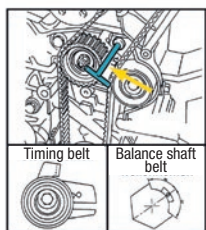
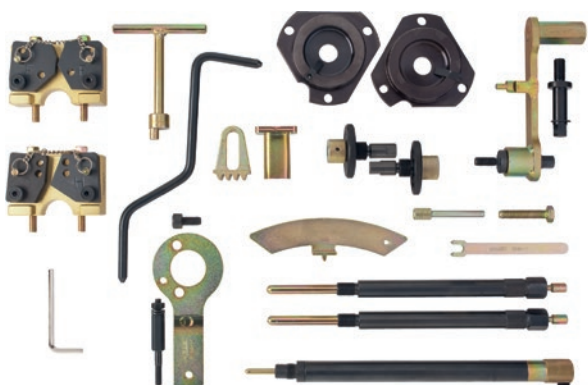
Set of 5 pieces, in soft foam insert

Contents:

- 2588-8
- 3488-10 11 13 15

HAZET No.	EAN-No. 4000896+
3488/5	180318

Engine Timing Tool FIAT



For the professional engine repair

- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert

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

Assortment of 20 pieces

Contents:

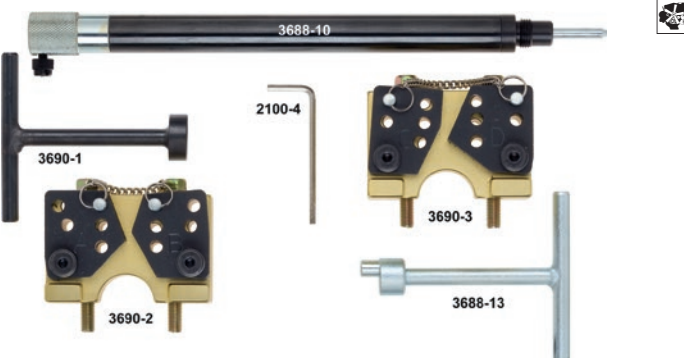
- 3088-11
- 3688-1 (2x) 2 (2x) 3 5 6 7 8 10 12 13 41 42
- 3788-1 5 8 12
- 2100-04

HAZET No.	EAN-No. 4000896+
3688/20	167265
Crankshaft Locking Tool	
3088-11	136742
Piston Position Tools	
3688-1	137343
Camshaft Setting Tool	
3688-2	137220
Double Pin Wrench	
3688-3	137329

Engine Timing Tool FIAT

HAZET No.	EAN-No. 4000896+
Tensioner Adjuster	
3688-5	137336
Flywheel Holding Tool	
3688-6	137053
Camshaft Setting Plate (Exhaust)	
3688-7	166152
Camshaft Setting Plate (Inlet)	
3688-8	166169
TDC Position Tool, application with dial gauge 2155-65	
3688-10	137527
Flywheel Holding Tool	
3688-12	137367
Balancer Shaft Belt Tensioner Adjuster	
3688-13	137374
Camshaft Setting Plate	
3688-41	137237
3688-42	137244
Crankshaft/Flywheel TDC Locking Pin	
3788-1	136643
Locking Pin/Bolt	
3788-5	136513
Camshaft and Injection Pump Locking Bolt/Pin	
3788-8	136544
Holding Tool for Crank Shaft Pulley Removal	
3788-12	137015
Offset Screwdriver	
2100-04	011322

Engine Timing Tool ALFA



For the professional engine repair

- For timing belt changing and other engine repairs

For **ALFA-ROMEO** 1.4–1.6–1.8 and 2.0-16V-TWINSPARK since 1995 and 2.0 JTS-petrol engine: 145, 146, 147, 155, 156, 166, Spider, GTV, GT

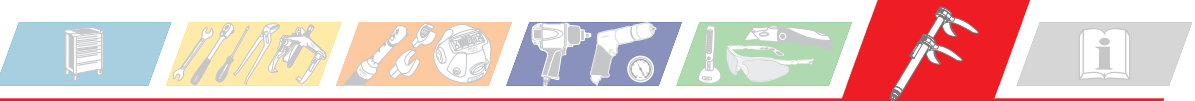
- Camshaft locking when replacing the timing belt
- Camshaft timing as well as TDC determination

• Assortment of 6 pieces

Contents:

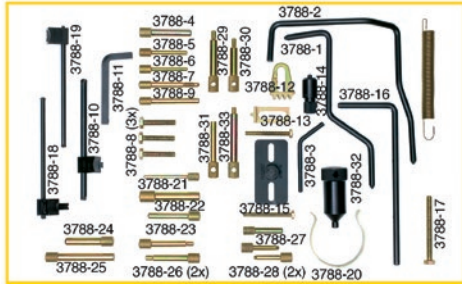
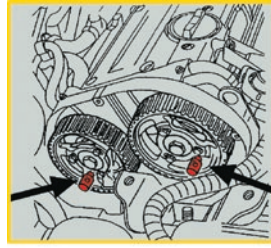
- 2100-04
- 3688-10 13
- 3690-1 2 3

HAZET No.	EAN-No. 4000896+
3690/6	156016
Balancer Shaft Belt Tensioner Adjuster	
3690-1	156023
Camshaft Setting Plate (Inlet)	
3690-2	156030
Camshaft Setting Plate (Exhaust)	
3690-3	156047
TDC Position Tool, application with dial gauge 2155-65	
3688-10	137527
Balancer Shaft Belt Tensioner Adjuster	
3688-13	137374
Offset Screwdriver	
2100-04	011322



Engine

Engine Timing Tool CITROËN/PEUGEOT



For the professional engine repair

- For timing belt changing and other engine repairs
- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert

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, 406 Coupé, 605, 607, 806, 807, Express, Expert, Partner, Boxer (since 1986)

Assortment of 37 pieces

Contents:

3788-1	2	3 (3x)	4	5	6	7	8	9	10	11	
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26 (2x)	27	28 (2x)	29	30	31	32	33		

HAZET No.	EAN-No. 4000896+
3788/37	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

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
Balancer Shaft Belt 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



For the professional engine repair

- For checking and adjustment of engine timing
- **For diesel engines:** 1.4 Hdi: DV4 1.6 Hdi: DV6 2.0 Hdi: DW10 2.2 Hdi: DW12 2.0 JTD, 2.2 JTD
- **CITROËN** Xsara/Picasso, C2, C3, C4, C5, Evasion, Synergie, Relay/Jumper, Xantia, Berlingo, Dispatch/Jumpy
- **PEUGEOT** 206, 306, 307, 406/Coupé, 607, 807, Expert, Partner, Boxer
- **FIAT LANCIA SUZUKI**

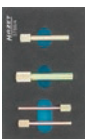
In Safety-Insert-System, 2-component soft foam insert
16 pieces

- 3788-1 Crankshaft/flywheel TDC locking pin
- 3788-2 Crankshaft/flywheel TDC locking pin
- 3788-9 Tensioner setting pin
- 3788-13 Flywheel locking tool
- 3788-15 Crankshaft pulley remover
- 3788-16 Flywheel TDC locking pin
- 3788-18 Adjuster
- 3788-19 Adjuster
- 3788-20 Timing belt retaining clip
- 3788-21 Injection pump and crankshaft locking pin (2x)
- 3788-22 Flywheel locking tool
- 3788-23 Camshaft locking pin
- 3788-35 Setting pin
- 3788-36 Setting pin
- 3788-38 Locking pin

HAZET No.	EAN-No. 4000896+
3788/16	186938



Engine Timing Tool CITROËN / PEUGEOT / FORD / FIAT / MAZDA / Volvo



For the professional engine repair

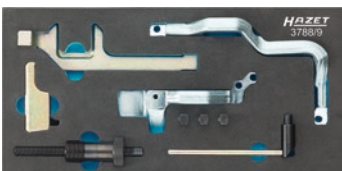
- For checking and adjustment of engine timing
- **For diesel engines:** 1.4 HDi: DV4, 1.6 HDi: DV6, 1.4 TDCi, 1.6 TDCi
- **CITROËN** C1, C2, C3/ Pluriel, C4, Picasso, C5/ II/III, Xsara, Xsara Picasso, Berlingo
- **PEUGEOT** 107, 1007, 206/CC, 207, 307/CC, 308
- **FIAT** Scudo
- **FORD** Fiesta, Fusion, Focus, Focus C-Max, C-Max
- **MAZDA** 2.3
- **Volvo** S40, V50, C30

In Safety-Insert-System, 2-component soft foam insert

- **4 pieces**
- 3788-21 Injection pump and crankshaft locking pin (2x)
- 3788-22 Flywheel locking tool
- 3788-23 Camshaft locking pin

HAZET No.	EAN-No. 4000896+
3788/4	186570

Engine Timing Tool CITROËN / PEUGEOT / MINI



For the 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:

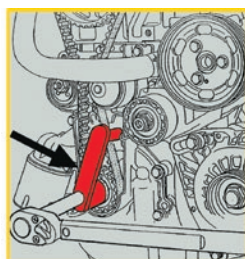
- 1.4VTi (Valvetronic) EP3(8FS)
- 1.6VTi (Valvetronic) EP6(5FW)
- 1.6DHP (Direct Injection) EP6DT (5FX) EP6DTS (5FY)
- N12 1.4/1.6 (Valvetronic)
- N14 1.6 (Direct Injection)

Set of 9 pieces, in soft foam insert

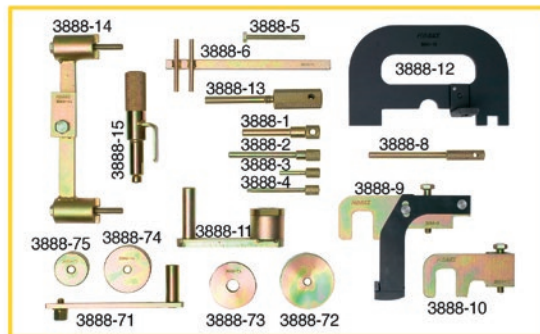
- Contents:
- 2988-22
 - 3788-34 35 36 37

HAZET No.	EAN-No. 4000896+
3788/9	180356

Engine Timing Tool RENAULT



Engine Timing Tool RENAULT



For the professional engine repair

- For timing belt changing and other engine repairs
- Detailed operating instructions including cross references to original part/tool numbers
- Clear arrangement in high-quality plastic case with soft foam insert

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

OPEL Vivano, Movano 2.5CDTI, engine code G9U

Assortment of 19 pieces

Contents:

3888-1	2	3	4	5	6	8
	9	10	11	12	13	15
	71	72	73	74	75	

HAZET No.	EAN-No. 4000896+
3888/19	127733
Crankshaft TDC Locking Pin	
3888-1	136575
3888-2	136582
Setting 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
Setting Pin	
3888-15	136636
Arm	
3888-71	137503
Adapter	
3888-72	137442
Spacer	
3888-73	137510
Adapter	
3888-74	137459
3888-75	137466

Engine Timing Tool RENAULT



For the professional engine repair

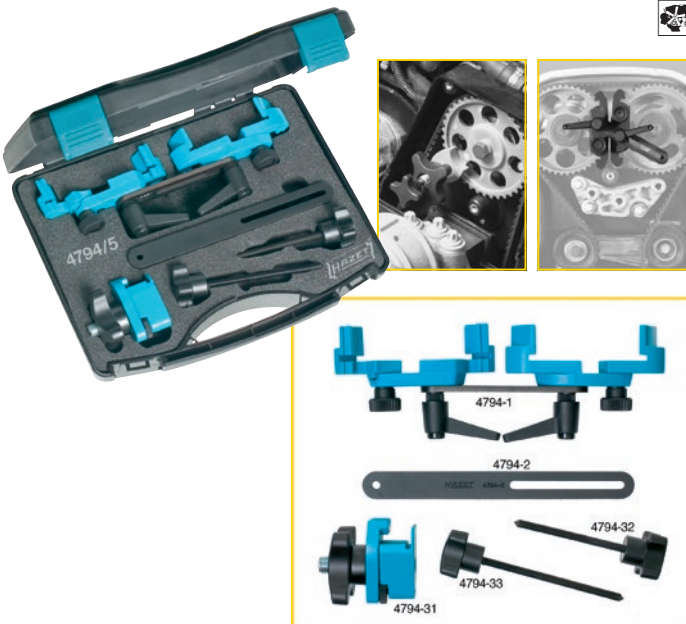
- For timing belt changing and other engine repairs
- **Supplementary Set, 8 pieces, in soft foam insert**
- For **RENAULT** 1.4 and 1.6-16V petrol engines: Clio 3, Mégane 2, Scenic 2, Laguna 2, Modus, Kangoo 1.8 and 2.0-16V petrol engines: Clio 2, Mégane 1/2, Scenic 1/2, Laguna 1/2, Espace JEO/JKO, 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

Contents:

3888-16 17 18 19 (2x) 20 21 76

HAZET No.	EAN-No. 4000896+
3888/8	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
Belt Guide Pulley Wrench	
3888-20	155842
Camshaft Sprocket Holding Tool	
3888-21	155859
Adapter	
3888-76	155866

Universal Engine Timing Tool Set



For the professional 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

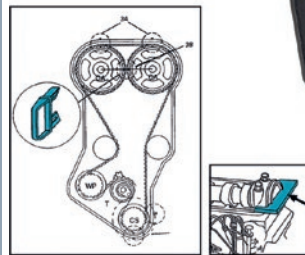
Universal Engine Timing Tool Set

- Detailed operating instructions
- Single parts optionally available
- Clear arrangement in high-quality plastic case with soft foam insert
- **Assortment of 5 pieces**

Contents:

4794-1 2 31 32 33

HAZET No.	EAN-No. 4000896+
4794/5	127764
Locking Device	
4794-1	137534
Extension Bridge Piece	
4794-2	137541
Basic unit	
4794-31	137558
Locking Pin (short)	
4794-32	136872
Locking Pin (long)	
4794-33	136889



For the professional engine repair

- Locking pins and tools for timing belt changing, for crankshaft and camshaft locking for petrol and diesel engines on **VW, AUDI, SEAT, ŠKODA, FORD, OPEL, CITROËN, PEUGEOT, RENAULT**

Contents:

2587-1
2588-1 2 3 4 5 6 14 15 16 110
3088-15 16 19
3488-1 4 10 11
3788-1 3 4 5 7 9 10 24 28
3888-1 9 10 12
4794-1

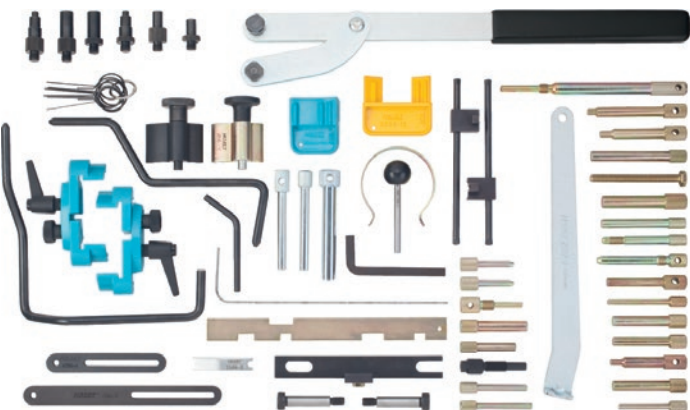
HAZET No.	EAN-No. 4000896+
4794/35	160594
2587-1	053476
Crankshaft Fixing Device for locking the crankshaft, e.g. VW 1.6 l and 2.0 l Common-Rail diesel engine	
2588-1	087730
Locking Plate for locking the tensioner roller	
2588-2	087747
Locking Pin for locking the camshaft sprocket e.g. VW 1.6 l and 2.0 l Common-Rail diesel engine	
2588-3	087754
Camshaft locking for locking the camshaft sprockets when changing the timing belt	
2588-4	110391
Camshaft Setting Plate	
2588-5	137107
2588-6	137114
Fixing Bolt	
2588-14	144198
2588-15	144204
2588-16	144211



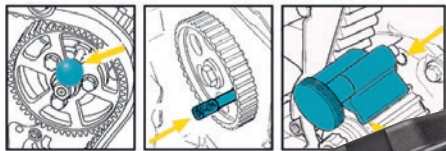
Universal Engine Timing Tool Set

HAZET No.	EAN-No. 4000896+
For 4-cyl. diesel/pump-nozzle injection engines since 2005 e.g. VW 2.0 I Common-Rail diesel engine Crankshaft Fixing Device For fixing the oval crankshaft timing belt pulley e.g. during timing belt replacement or engine repair	
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

Universal Engine Timing Tool Set



Universal Engine Timing Tool Set



For the professional engine repair

- 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.

48 pieces, in plastic case with soft foam insert

- Contents:
- 2540-2 2587
 - 2588-1 2 3 6 110 3088-15 16
 - 3488-2 3 4 10 11 13 15 18 19
 - 3788-1 2 3 4 8 6 7 9 11 17 18 19 20 21
 - 22 23 24 25 27 28 29 30 31 33 34 35 36
 - 4788-1/6 4794-1 2

HAZET No.	EAN-No. 4000896+
4794/48	166176
Counterholder	
2540-2	166190
2587	017140
Crankshaft Fixing Device for locking the crankshaft, e.g. VW 1.6 I and 2.0 I Common-Rail diesel engine	
2588-1	087730
Locking Plate for locking the tensioner roller	
2588-2	087747
Locking Pin for locking the camshaft sprocket e.g. VW 1.6 I and 2.0 I Common-Rail diesel engine	
2588-3	087754
Camshaft Setting Plate	
2588-6	137114
For 4-cyl. diesel/pump-nozzle injection engines since 2005 e.g. VW 2.0 I Common-Rail diesel engine Crankshaft Fixing Device For fixing the oval crankshaft timing belt pulley e.g. during timing belt replacement or engine repair	
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

Continuation see next page ▶

Engine

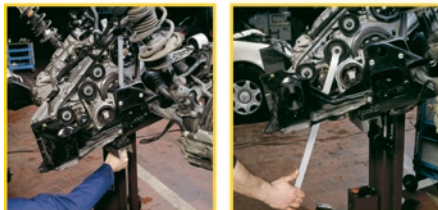


Engine

Universal Engine Timing Tool Set

HAZET No.	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
Balancer Shaft Belt 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
Setting Pin 3788-34	166220
3788-35	166237
3788-36	166244
Locking Pin Set 4788-1/6	166183
Locking Device 4794-1	137534
Extension Bridge Piece 4794-2	137541

Assembly Lever for V-Ribbed Belt



- For the operation of the **tensioner roller** and for installing the **V-ribbed belt** on **MERCEDES-BENZ** type 168, 169 (A-Class), 245 (B-Class)
- Surface: chrome-plated, bold burnished

HAZET No.	l mm	EAN-No. 4000896+
2714-1	600	076789

Spark and Glow Plug

Overview Spark and Glow Plugs

HAZET No.	mm	"	l mm	□
880 Lg-20.8	20.8	13/16	70	10 3/8
880 TZ-20.8	20.8	13/16	70	10 3/8
880 MgT	20.8	13/16	64	10 3/8
880 A MgT	16	5/8	64	10 3/8
880 MgT-18	18	–	62	10 3/8
880 A MgT-1	16	5/8	64	10 3/8
880 KF	20.8	13/16	64	10 3/8
880 A KF	16	5/8	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 A MgT	16	5/8	71	12 1/2
900 KF	20.8	13/16	71	12 1/2
900 A KF	16	5/8	71	12 1/2
2505-2	20.8	13/16	137.5	10 3/8
2530 (G)	10	–	140	10 3/8
4760-1 (G)	12	–	152	10 3/8
4760-2 (G)	8	–	142	10 3/8
4760-3 (G)	9	–	142	10 3/8
4766	16	5/8	97	10 3/8
4766-1	16	5/8	270	10 3/8
4766-2	14	–	64	10 3/8
4767 A KF	16	5/8	480	12 1/2

(G) = Glow Plug

Spark Plug Socket Pliers



- For installing and removing **spark plug sockets**
- Especially suitable for **hot terminals**
- With side cutter
- Ergonomically shaped **2-component plastic handle covers**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849	195	007080



- For installing and removing straight **spark plug sockets**
- Safe application due to milled jaw profile
- Especially on **MERCEDES-BENZ**
- Ergonomically shaped **2-component plastic handle covers**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-1	200	128037



Spark Plug Socket Pliers



- For installing and removing straight **spark plug sockets**
- **Long jaws** provide a better safety distance to the hot engine
- Especially for **deeply located spark plug sockets**, e.g. on **AUDI V6** and **V8** engines, **JAGUAR** 12 cyl.
- Ergonomically shaped **2-component plastic handle covers**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-2	290	007103



- For installing and removing **spark plug sockets**
- Especially suitable for **hot terminals**
- Long style
- Ergonomically shaped **2-component plastic handle covers**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-3	265	055098

Spark Plug Socket Remover



- 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. since 1999, **AUDI** A4, A6 with 2.6- and 2.8 l V6-engines
- Slotted tube for optimal and careful guidance of the cable

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-6	253	007110



For installing and removing spark plug sockets even on hot engines

- **Now also for VW-Golf 4, 5, 6–1.6 l, Polo 5–1.2 l since 2009**, Bora since 1999 and Touran since 2004 with 1.6 l, 4 cyl. injection engine with roller cam follower, New Beetle since 1999 with 2.0 l, 4 cyl. injection engine and 2 valve 4 cyl. injection engine with roller cam follower **AUDI** A3 since 2004 with 2 valve 4 cyl. injection engine **SEAT**, **ŠKODA** and **SMART** For Two (type 450)
- With T-handle

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-9	275	110476

Ignition Coil Remover



- 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 since 2005, Caddy 1.4 l, Bora 1.4, 1.6 l, Beetle 1.4 l (petrol engine since 2003), Scirocco 1.4 l since 2009, Lupo 4 cyl. direct injection engine since 1999, Passat, Touran 1.6 l, Phaeton, Transporter T4, **ŠKODA** Fabia
- With T-handle
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-7	135	110353



- For installing and removing ignition coils with final output stage on **VW** Golf, Bora, Eos 3.2 l since 2006, Passat, Sharan, Touareg 6-cyl. since 2003, Transporter T5 3.2 l 6-cyl. injection engine since 2004 **AUDI** TT 3.2 l model years 1999–2007, A3 3.2 l since 2004
- With T-handle
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-8	133	110360



Ignition Coil Remover

- 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 l, Tiguan (since 2006) 1.8 and 2.0 l, Phaeton (since 2003) 8 cyl.
- **AUDI** direct injection engines: A3 (since 2004) 2.0, A4 (since 2002) 2.0, A5 (since 2008) 3.2 and 4.2 l, A6 (since 2005) 3.2, A8 (since 2003) 3.2–4.2 and 5.2 l, TT (since 2007) 1.8 and 2.0 l, R8 (since 2008) 4.2 l, Q5 (since 2008) 2.0 and 3.2 l, Q7 (since 2007) 3.6 and 4.2 l
- With T-handle
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1849-10	102	132201

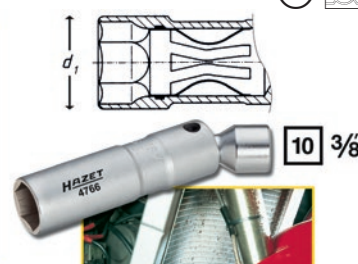
Spark Plug Wrench



- For spark plugs with 20.8/13/16" wrench size
- With rubber ply
- Adjustable in length from 137.5 mm to 157.5 and 197.5 mm
- □ drive 10 = 3/8"
- Surface: chrome-plated

Made in Germany

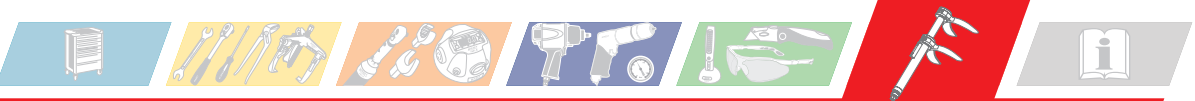
HAZET No.	s mm	l mm	EAN-No. 4000896+
2505-2	20.8	197.5	016266



- For 16 mm (5/8") spark plugs (C-plugs), 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 ball joint
- With fixing clamp for a firm hold of the spark plug
- Short style
- □ drive 10 = 3/8"
- Surface: chrome-plated

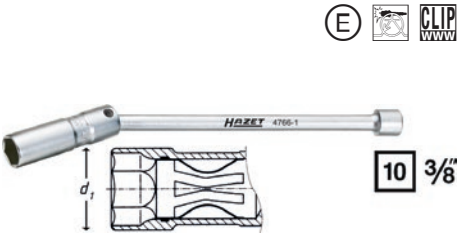
Made in Germany

HAZET No.	s mm	d ₁ mm	d ₂ mm	l mm	EAN-No. 4000896+
4766	16	21.4	18	97	049295



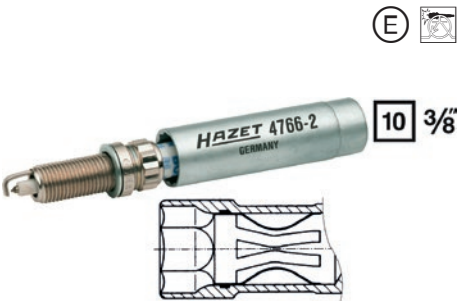
Engine

Spark Plug Wrench



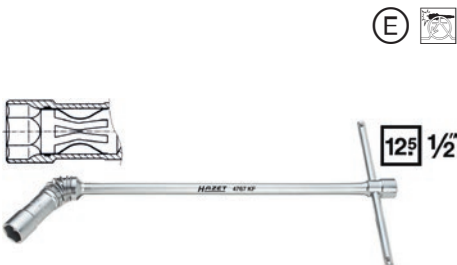
- For 16 mm (5/8") spark plugs e.g. on VW, AUDI, ŠKODA, RENAULT, FIAT, FORD, OPEL, BMW, NISSAN, HONDA, MAZDA, MITSUBISHI, KIA, Volvo
 - With ball joint
 - With fixing clamp for a firm hold of the spark plugs
 - □ drive 10 = 3/8"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	d ₁ mm	d ₂ mm	l mm	EAN-No. 4000896+
4766-1	16	21.4	18	270	048991



- For 14 mm spark plugs
 - With fixing clamp for a firm hold of the spark plug
 - 12-Point profile enables application of 14 mm spark plugs with 6-Point and 12-Point
 - Application on BMW E 90 N 54 engine, 335 i limousine since 2006, series 1 (F20) 118i, RENAULT Modus, Twingo, Clio, Kangoo with 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 HPI engine, MERCEDES-BENZ engine M 156, engine M 276, NISSAN Micra, Note, MINI 1.2–1.4 l 4-cyl. since 2007, FORD 1.0 EcoBoost engine, ALFA 1.8 TBI engine, KIA
- Made in Germany**

HAZET No.	S mm	d ₁ mm	d ₂ mm	l mm	EAN-No. 4000896+
4766-2	14	18	17.3	64	087655



- With spring in the joint
 - With fixing clamp for a firm hold of the spark plugs
 - □ drive 12.5 = 1/2"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	d ₁ mm	l mm	EAN-No. 4000896+
4767 A KF	16	480	049028	

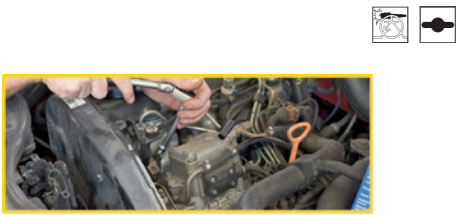
Spark Plug Brush



- For cleaning of electrodes and contacts on spark plugs
 - Special corrugated brass wire bristles
 - 3 rows
 - Trim size: 15 mm
 - Wooden body
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
2131	150	012541

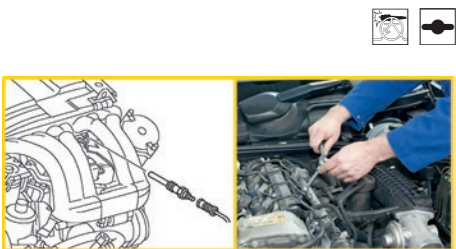
Glow Plug Socket



- For 10 mm glow plugs
 - □ drive 10 = 3/8"
 - With universal joint
 - With ball clamping
 - Application: VW, AUDI diesel direct injection engines TDi and MERCEDES-BENZ CDI, SMART
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
2530	10	140	016341

Glow Plug Wrench



- For 12 mm glow plugs, e.g. on MERCEDES-BENZ 201 and 202 with 4 valve technique as well as on OPEL, BMW and FORD diesel engines
 - With ball clamping to hold the glow plug
 - Universal joint providing an optimal angular movement
 - □ drive 10 = 3/8"
 - Surface: chrome-plated
- Made in Germany**

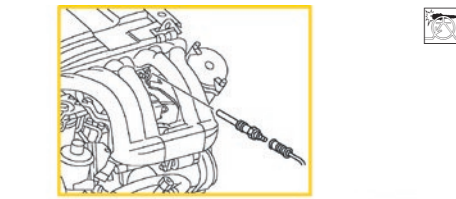
HAZET No.	S mm	l mm	EAN-No. 4000896+
4760-1	12	152	022229

Glow Plug Wrench



- For 8 mm glow plugs, e.g. on MERCEDES-BENZ, SMART, VW, FIAT and OPEL with diesel engines
 - With ball clamping to hold the glow plug
 - Universal joint providing an optimal angular movement
 - □ drive 10 = 3/8"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4760-2	8	142	118670



- For 9 mm glow plugs, e.g. on OPEL, FIAT, ALFA, LANCIA diesel engines
 - With ball clamping to hold the glow plug
 - Universal joint providing an optimal angular movement
 - □ drive 10 = 3/8"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4760-3	9	142	127849

Glow Plug Socket Pliers



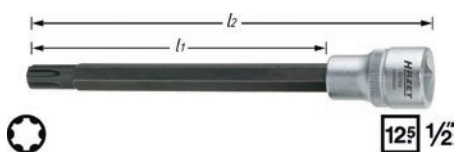
- For installing and removing glow plug sockets
 - For the new generation of diesel engines, e.g. MERCEDES-BENZ, VW, AUDI, SEAT, ŠKODA and BMW
 - Offset design for the use on glow plug sockets in areas with restricted access
 - The pliers' design is especially adapted to the sockets
 - With recess preventing cable damage
 - Ergonomically shaped 2-component plastic handle covers
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4760-5			089130



Cylinder Head

Cylinder Head Screwdriver Socket



- For the operation of **Polydrive-cylinder head bolts on VW engines (VW, AUDI, SEAT, SKODA)**
- □ drive 12.5 = 1/2"

Made in Germany

HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2579-9	130	168	086931

Screwdriver Socket



- For screws on **cylinder head and cardan shafts** screws with internal serration XZN
- □ drive 12.5 = 1/2"

Made in Germany

HAZET No.	l ₁ mm	l ₂ mm	d mm	d ₂ mm	M	EAN-No. 4000896+
2751	100	140	23	23	10	017508

TORX® Cylinder Head Tool



For the operation of cylinder head bolts

- **TORX®** Impact Socket
- **Suitable for impact wrenches**
- □ drive 20 = 3/4"
- Reinforced design
- Surface: phosphated

Made in Germany

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
On MAN commercial vehicles F 2000, F 90, F 8 and MAN busses with D 25 and D 28 engines			
2850-E 20	110	18.49	079681
On MAN commercial vehicles with Common Rail engine (D20)			
2850-E 24	110	22.16	146758

Valve/Piston

Compressed Air Adapter



- For keeping installed valves **lifted** when installing and removing the cylinder head valve keys
- On **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 supply 13 mm 6-point

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
3428	140	018819

Piston Ring Compressor



- With square key for tensioning
- May be locked continuously
- High-strength spring band steel

Made in Germany

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
794-3	90-175	165	031665

Piston Ring Pliers



- For compression of piston rings on water- and air-cooled engines
- **Tightening band (width 32 mm), can easily be released**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
794 U-3	332	70-100	031672

Piston Ring Pliers



- For installing and removing piston rings
- Surface: bright nickel-plated

Made in Germany

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
790-1	220	50-100	031412
790-1 a	240	65-110	031429
790-2	280	110-150	031443



- With prism holder for safe grip of various piston ring types
- Surface: nickel-plated, prism holder burnished

Made in Germany

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
790-3	220	60-120	031450

Valve Refacer

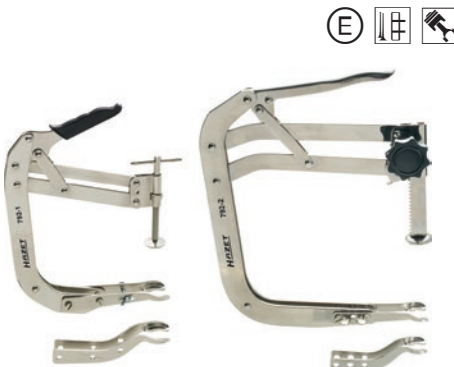


- With suction cup

Made in Germany

HAZET No.	Ø mm	EAN-No. 4000896+
795-1	20	031771
795-2	25	031788
795-3	30	031795
795-4	37	031801

Valve Spring Compressors



- With 1 pair of straight and bent jaws each, 792-1 with straight jaws *sb* 75-225 with bent jaws *sb* 45-195 792-2 with straight jaws *sb* 120-280 with bent jaws *sb* 90-250
- Surface: bright nickel-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
792-1	290	031481
792-2	380	031511

Valve Stem Seal Ring Pliers



- For removing valve stem seals on **2-valve engines**
 - On **VW/AUDI, FORD, OPEL, NISSAN**, etc.
 - Serrated
 - Hardened jaws
 - Surface: nickel-plated, jaws burnished
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
791-5	250	031467



- For easy and reliable removing of deeply located valve stem seals due to the extra long jaws
 - For **multi-valve engines** e.g. on **AUDI, FORD, OPEL**
 - Dip-coated jaws
 - Jaws hardened, serrated
 - Straight
 - Surface: nickel-plated
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
791-8	270	061068



- For removing valve stem seals especially on **BMW** multi-valve engines, **OPEL, FORD, SEAT, ŠKODA** and **VW**
 - Jaws hardened, longitudinally toothed
 - Working area dip-insulated avoiding damage to the valve timing
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
2991	250	018352

Fuel System/Injection Technology

Turbo Charger Wrench



Loosen and tighten turbocharger nuts on MAN commercial vehicles

- Bent form of the box wrench is especially adapted to the confined spaces
 - Ergonomically shaped 2-component handle
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
2849-15	15	266	159284

Ball-Head Screwdriver Socket



- For the knock sensor on V6 engine
 - □ drive 12.5 = 1/2"
 - For **inside hexagon screws**
 - Blades made of special steel
- Made in Germany**

HAZET No.	S mm	d mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2527-8	8	23	200	238	016310

Injection Line Wrench



10 3/8"



12.5 1/2"



12.5 1/2"

- Open 12-Point Socket for the operation of screwed connections on injection lines
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4550	17	115	021680

□ drive 10 = 3/8"
for **BMW** diesel engines and **OPEL** 2.5 TD engines

- For injection lines on **MERCEDES-BENZ** 100, 130, 314, 360, 360h, 352A, 346/355, 401, 402, 403, 407h, 615, 616, 617

- **Long style**
- □ drive 12.5 = 1/2"

- For injection lines on **MERCEDES-BENZ** M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314

- **Long style**
- □ drive 12.5 = 1/2"

- □ drive 10 = 3/8"

- For injection lines on **MERCEDES-BENZ** M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314

- **Long style**
- □ drive 12.5 = 1/2"

- □ drive 10 = 3/8"

- Open 12-Point Socket for the operation of screwed connections on injection lines
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4550-3	17	83	104307

- For the operation of screwed connections on injection lines of **MAN** commercial vehicles with D 20 engines – Common Rail injection systems

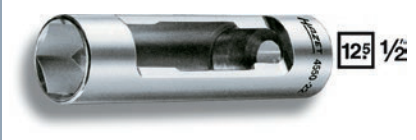
- **Short style**
- □ drive 10 = 3/8"

- For the operation of screwed connections on injection lines of **MAN** commercial vehicles with D 20 engines – Common Rail injection systems

- **Short style**
- □ drive 10 = 3/8"

- □ drive 10 = 3/8"

Injection Nozzle Socket



- 6-Point Socket for **injection nozzles** on **MERCEDES-BENZ** diesel engines **MERCEDES-BENZ**-types 202 (C-Class) and 210 (E-Class) with 604, 605 and 606 engines
 - With side window
 - □ drive 12.5 = 1/2"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4550-22	22	110	021741



12.5 1/2"

- 12-point socket for **injection nozzles** on diesel engines **VW, AUDI, MERCEDES-BENZ, OPEL, FORD, PEUGEOT, Volvo MAZDA, NISSAN, MITSUBISHI, DAIHATSU**
 - Special relief to accommodate the return leakage tubes
 - □ drive 12.5 = 1/2"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4555 N	27	85	021840



12.5 1/2"

- 12-point socket for **injection nozzles** on **BMW** diesel M21 = E30 = 324TD E28 = 524TD E34 = 524TD M51 = E36 = 325TD E34 = 525TDS, **FORD** diesel **LINCOLN** Continental (USA), **LINCOLN** Mark VII, VIILSC
 - □ drive 12.5 = 1/2"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4555-1	27	85	021802



12.5 1/2"

- 12-point socket for **injection nozzles** on **VW** Polo 1.3 l diesel engine, **NISSAN** Terrano TD 25, 27
 - With inside bore hole 22 mm Ø
 - □ 12.5 = 1/2"
 - Surface: chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4555-3	22	82	021833



Pressure Valve Holder Tool



12.5 1/2"

- Multipoint socket for installing and removing the **pressure valve holder** on the MRSF-ERE fuel injection pump, on **MERCEDES-BENZ** diesel passenger cars, 601, 602, 603, 605, 606, 615, 616, 617
- With 33 teeth
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4556	17.9 x 20	55.5	021864

Pressure Nut Crown Wrench



12.5 1/2"



- For the operation of the **pressure nut at the nozzle holder**
- **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
4558	72	021888

- For commercial vehicles **MAN** and **MERCEDES-BENZ** M 401/421, M 402/422, LA, A, M 403/423, M 470h
- □ drive 12.5 = 1/2"
- For commercial vehicles with EDC engines: **MERCEDES-BENZ** and **MAN**
- With hole bored through for connecting cable
- 32 mm outside hexagon drive
- 4558-1 120 050529
- For e.g. commercial vehicles **MERCEDES-BENZ** and **MAN**
- With retainer for fixation between pressure nut and nozzle holder – avoids slipping down
- 32 mm outside hexagon drive
- 4558-2 69 057344

Injection Line Wrench



- For installing and removing the **injection lines** e.g. on **VW**, **AUDI** diesel engines: 1.6 l 4-cyl., 2.0 l 5-cyl., 2.4 l 6-cyl.
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4560	17 x 17	221	021918

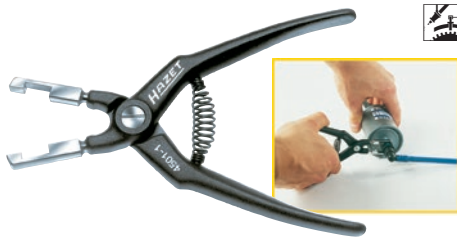
Injection Pump Wrench



- Single Box-End Wrench for the **fastening screws at the injection pump**, when replacing the toothed belt or adjusting the injection start
- Application on 1.6 l 4-cyl. diesel engine **AUDI**, **VW** Golf, Jetta, Caddy, Passat, **CITROËN**
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
4561	13	165	021925

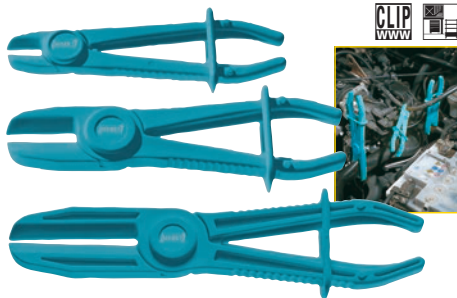
Fuel Line Pliers



- For the operation of **quick release fasteners at the fuel line** and **at the fuel tank aeration** with slight pressure on **FIAT/ALFA/LANCIA** vehicles with 1.3 l – 1.9 l – 2.4 l diesel, **CHRYSLER**, **RENAULT** **OPEL** (diesel engine) Vectra C/Signum 1.9 l diesel engine, Astra H 1.3 l and 1.9 l diesel engine, Corsa C/Combo/Meriva 1.3 l
- **OPEL** (petrol) Corsa C, Astra G, Vectra C
- **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
4501-1	155	058624

Flexible Hose Clamp



- For clamping flexible hoses
- Firm fixation with clamp ring
- Made of high-quality plastic

HAZET No.	l mm	EAN-No. 4000896+
4590-1	150	021932

For heating and fuel hoses up to 15 mm Ø

4590-1 150 021932

For hoses up to 30 mm Ø

4590-2 180 021949

For e.g. cooling liquid hoses up to 60 mm Ø

4590-3 253 055753

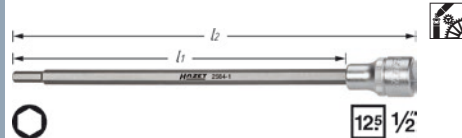
Hose Clamps Pliers Set

HAZET No.	EAN-No. 4000896+
4590/3	058266

- For clamping flexible hoses
- **3 pieces** 4590-1 -2 -3

4590/3 058266

Intake Pipe Screwdriver Socket

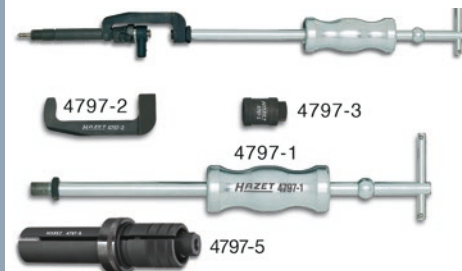


12.5 1/2"

- For **inside hexagon screws**
- □ drive 12.5 = 1/2"
- For the intake manifold screws on **VW** Golf 4, Golf 5
- **Made in Germany**

HAZET No.	S mm	d mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2584-1	6	23	210	248	017058

Injector Extractor



- For removing seized or stuck common rail injectors without having to disassemble the cylinder head
- **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
4797-2	460	121205

- For e.g. **MERCEDES-BENZ** CDI engines 611, 612, 613 etc.
- Especially suitable for the limited spaces due to the cylinder head cover
- **Set of 2 pieces:** 4797-1 2

4797/2 460 121205

Impact Extractor

M 16 x 1.5

4797-1 460 121175

Injector Claw

M 16 x 1.5

4797-2 130 121182

- **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

For the simple removal of injectors with the aid of an impact extractor, e.g. HAZET 4855-9 on **MAN** engines D08, D20, D26 and D28

- Especially suited to the limited spaces 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 M10 x 1.5 mm for easy insertion in the impact extractor

4797-5 174 176137

**Cooling System/
Hose Connection**

Hose Clamp Pliers



- For simple hose clamps, e.g. on washing machines
- Movable jaws
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798	206	40	031832



- For simple hose clamps
- With locking device
- Movable jaws
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-1	285	45	031900

Hose Clamp Pliers



- For clamping multi-use CLIC-type hose clips on fuel lines, e.g. on VW, AUDI, OPEL, PEUGEOT and ALFA
- Open and close easily by turning the pliers by 180°
- With fixed jaws, bent at 90°
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-2	175	20	051397

Hose Clamp Pliers



- For self-gripping spring band hose clamps
- AUDI, VW, OPEL, PEUGEOT, SMART and MERCEDES-BENZ
- Open and close easily by turning the pliers by 180°
- For clamping multi-use CLIC-type hose clamps
- Movable jaws – for use in areas with restricted access
- Surface: nickel-plated
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-3	206	35	102433



- For spring band hose clamps
- Movable jaws
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-4	205	35	031948



- For spring band hose clamps, e.g. on VW, AUDI and OPEL
- Movable jaws
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-5	210	6–40	031955



- For spring band hose clamps, 12 and 15 mm width,
- 13–22 mm Ø
- Movable safety jaws
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-6	235		031962

Hose Clamp Tension Device



- For self-gripping spring band hose clamps sb 8–52 mm Ø
- Enables working in areas with restricted access
- 6-point drive s 6 mm
- Easy working in conjunction with Reversible Ratchet 863 P, optionally with Flexible Extension 870 or 870-2 and 6-Point Socket 850-6 may also be used with Screwdriver for slotted screws (802 or 803) or Flexible Hex Nut-Driver 426-6
- Surface: galvanized
- **Made in Germany**

HAZET No.	sb mm	EAN-No. 4000896+
798-7	8–52	083206

Hose Clamp Pliers



- For self-gripping spring band hose clamps, 12 and 15 mm width
- Self-adjusting joint allows easy working even on large hose clamps with large diameter
- With locking device
- Movable safety jaws
- Handles plastic coated
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-8	290	45	076697



- Especially for spring band hose clamps 12 and 15 mm width
- Movable jaws
- Bent at 110° – allowing application in areas with restricted access
- With locking device
- **Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-9	250	60	072163



Hose Clamp Pliers



- For spring band hose clamps
- Adjustable opening width
- Fixed jaws
- With locking device
- Especially for VW, AUDI

Made in Germany

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-10	320	90	031917



- For spring band hose clamps
- Especially for 12 mm and 15 mm spring band hose clamps, e.g. on OPEL, VW, FORD, RENAULT, FIAT, PEUGEOT, CITROËN, PORSCHE, ALFA-ROMEO, MERCEDES-BENZ, SMART

- With locking device
- Adjustable opening width
- Handles plastic coated

Made in Germany

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-12	320	80	031931



With movable jaws

- Enables working in areas with restricted access
- For the operation of spring band hose clamps whose three ends fit tightly on the hose, e.g. on tank ventilation lines and fuel lines on VW, AUDI, SEAT and ŠKODA

Made in Germany

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-13	192	27	155248

Hose Clamp Pliers



- For the operation of spring band hose clamps whose three ends fit tightly on the hose, e.g. on fuel lines and tank ventilation lines on VW, AUDI, SEAT, ŠKODA

- Surface: nickel-plated

Made in Germany

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-14	177	8-20	109128



- For the operation of self-gripping spring band hose clamps sb 7-60 mm Ø
- Bowden cable (610 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible
- With toothed fixing device
- Newly developed slide device with integrated tension spring and adjustable reversible plate
- Application on cooling and heating circuits
- Handles with plastic coating for better gripping comfort

Made in Germany

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



New design with plastic coated semiflexible Bowden cable

- The Bowden cable allows working without a guiding hand
- For the operation of self-gripping spring band hose clamps on cooling and heating circuits
- Slide device with integrated tension spring and adjustable reversible plate
- Automatic toothed fixing device
- Especially appropriate for areas with restricted access where the application of usual pliers is not possible
- Handles with plastic coating for better gripping comfort

Made in Germany

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



Reliable Tools for Renewable Energies!

Hose Clamp Pliers

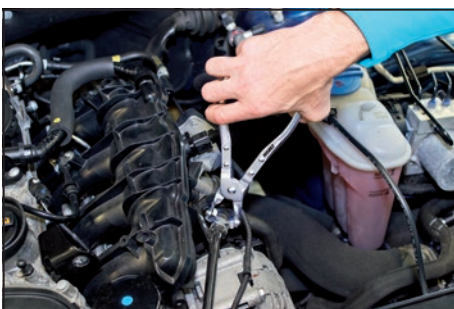


With reinforced Bowden cable and slide device

- 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
- Handles with plastic coating for better gripping comfort, with toothed fixing device and one-hand operation
- Fixing device is released by pressure lever

Made in Germany

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



- For self-gripping spring band hose clamps with movable jaws
- For the operation of space-saving hose clamps on coolant and fuel hoses in the entire vehicle area, in particular on VW, AUDI, SEAT, SKODA

Made in Germany

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-17	210	40	186068

Vacuum-Type Cooling System Filler



Suitable in conjunction with the single and universal adapters of the HAZET range of cooling system testers 4800 or with an appropriate rubber cone of the set 4801-2/3

- 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
- In plastic case including application note

Made in Germany

HAZET No.	EAN-No. 4000896+
4801-1	148806

Cone Set for Radiator Expansion Tank

Ø 34-50 mm

Ø 24-39 mm

Ø 17-31 mm



Universal set suitable for radiator/expansion tank

- Application in conjunction with Vacuum-Type Cooling System 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

Set of 3 pieces:
3 rubber cones with functional
Ø 17–31/24–39/34–50 mm

Made in Germany

HAZET No.	EAN-No. 4000896+
4801-2/3	152407

Diagnostics



Application

Adapter for Cooling System
www.hazet.de
→ Tool Finder
→ Adapter for Cooling System 4800
◀ For Smartphones with QR-Reader (App)

Tester for Cooling System



For testing cooling systems

- By building up pressure with Cooling Pump HAZET 4800-1, it is possible to test the cooling systems of various vehicle types
- Classification to vehicles:
www.hazet.de → The Tool Finder
→ Radiator adapter 4800

Made in Germany

HAZET No.	EAN-No. 4000896+
4800-1	148806

Application on AUDI A2, A3, A4, A5, A6, A7, A8, TT, VW Passat, Golf 3, 4, 5, Lupo (since 1998), Vento (since 1997), 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, OPEL Vectra C, Astra H, Zafira A, Meriva, Signum, Corsa, PEUGEOT, RENAULT Safrane, Mégane, Laguna, Twingo, Trafic, Master, SEAT Arosa, Córdoba, Ibiza, Toledo, León, SKODA Octavia, Fabia, Roomster

Assortment with 7 pieces in plastic case, contents:

1 cooling pump 4800-1
up to 2.5 bar with quick coupling

1 intermediary piece 4800-2
flexible hose

5 radiator adapters
4800-4 A 6A 12A 15 17

4800/7 132874

Case, empty, with insert
for 4800/9

4800/9 KL 049820





Tester for Cooling System

For testing cooling systems

- By building up pressure with Cooling Pump HAZET 4800-1, it is possible to test the cooling systems of various vehicle types
- Classification to vehicles:
www.hazet.de → The Tool Finder
→ Radiator adapter 4800

Contents:

- 1 Cooling Pump 4800-1 up to 2.5 bar with in-line quick coupling
 - 1 Intermediary Hose 4800-2 (flexible hose)
 - 11 Adapters for Cooling System
- | | | | | | |
|--------|------|------|-----|-----|-----|
| 4800-3 | 4 A | 5 A | 6 A | 7 A | 8 A |
| | 12 A | 13 A | 17 | 22 | 23 |

Made in Germany

HAZET No.	EAN-No. 4000896+
4800/12	165483

Cooling Pump



Components

Made in Germany

HAZET No.	EAN-No. 4000896+
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COMPONENTS:

Cooling Pump

with in-line quick coupling up to 2.5 bar

4800-1 022243

Intermediary piece, flexible

4800-2 022274

Radiator adapters STANDARD, e.g. MERCEDES-BENZ-Vito, Viano, PORSCHE, FIAT, KIA, MITSUBISHI, SUZUKI Vitara, Samurai

4800-3 022281

Also suitable as connector for HAZET adapters for cooling system without coupling fitting

Now for even more car models (replaces adapter 4800-4)

ALFA ROMEO 147, 164, 166, GT, Mito
CITROËN C2, C3, C4, C5, C6, C8, Jumper, Jumpy
DACIA Logan, Sandero FERRARI threaded fitting
FIAT 500 since 2009, Bravo, Doblo, Fiorino, Grande Punto, Idea, Linea, Multipla, Panda, Punto, Qubo, Scudo, Seicento, Tempra, Tipo, Ulysse
FORD Ka since 2009 MINI Mini since 2008 MITSUBISHI Carisma D until 2003, Space Star D NISSAN Micra PEUGEOT 206, 207, 307 since 2004, 308, 406, 807 since 2004, Expert, Partner LAND ROVER Freelander 2.0 DI
LANCIA Delta, Musa, Phedra, Thesis
MASERATI threaded fitting RENAULT Avantime, Espace, Master, Mégane, Laguna, Trafic, Twingo Volvo 850, 960, C 70 until 2007, S 40 until 2003, S 60 until 2007, S 80 until 2007, V 40 until 2003, V 70 until 2007, XC 90 until 2007

4800-4 A 156504

Cooling Pump

HAZET No.	EAN-No. 4000896+
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VW Transporter T3, AUDI, PORSCHE 986, 987, 996, 997, Cayman, Carrera GT, SMART For Two, Roadster

4800-5 A 161843

VW Passat, T4, Lupo since 1998 SEAT Arosa, Cordoba, Ibiza since 1999, SEAT Vario and León until 1998, ŠKODA Octavia until 1998

4800-6 A 161850

OPEL Agila, Zafira A, DAEWOO/CHEVROLET, FORD Ka, Focus until 2007, Fusion, Mondeo MAN Tga, L 2000, CHEVROLET

4800-7 A 161867

BMW 5-, 7- and X-series

4800-8 A 161874

BMW 1-series (E87), 3-series, Z3, ROVER Range-Rover

4800-9 A 161881

Radiator adapter



Optional extensions for assortments

- Threads exactly adapted to the opening of the expansion tank
- With coupling fitting for connection to the quick coupling of cooling pump 4800-1

Made in Germany

HAZET No.	EAN-No. 4000896+
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Options for assortments:

Radiator adapters RENAULT

4800-10 022250

SMART For Four, FORD, KIA and Japanese cars

4800-11 022267

AUDI A1 (since 2010), A2, A3, A4, A5 since 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

Radiator adapter

HAZET No.	EAN-No. 4000896+
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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 since 1999 type 170, 208, 611, MINI since 2001

4800-16 098507

OPEL 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

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

MAZDA 3, Volvo C30, S40 since 2004, V50, FORD Focus since 2008, Fiesta since 2008, C-Max, Galaxy since 2006, Kuga and S-Max

4800-21 A 162185

CITROËN C1, DAIHATSU Cuore L201, L501, Move L601, MAZDA 121, Demino, MITSUBISHI Grandis since 2004, L400, Pajero Pinin/Sport, Space-Gear, -Runner, -Wagon, PEUGEOT 107 since 2006,

ROVER 600, SUBARU B9 Tribeca, Justy, SUZUKI Alto, TOYOTA Aygo since 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 bis 2004, Terrano 2, X-Trail, TOYOTA Avensis, Carina E, SUZUKI Baleno, Wagon-R, SUBARU Forester, Impreza, Legacy, Outback, OPEL Agila 1.0 and 1.2 l and SMART Forfour

4800-23 144273

Universal Adapter



Made in Germany

HAZET No.	EAN-No. 4000896+
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- For radiator openings \varnothing 20–41 mm
- With 3-stage rubber for rough and precise adjustment

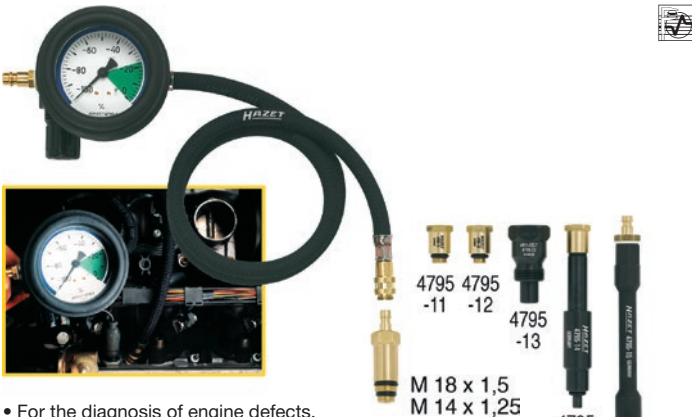
4800-30 078202

- Especially for Japanese vehicles \varnothing 18–24 mm
- With clamp fastening

4800-31 078196

Engine

Engine Leakage Tester



- For the diagnosis of engine defects, e.g. on inlet and exhaust valves, pistons/piston rings and cylinder head/cylinder head gasket
- Easy application, immediate test result
- **Made in Germany**

HAZET No.	EAN-No. 4000896+
Tester with 1 adapter M 14 x 1.25 and M 18 x 1.5 4795-1	083770
Adapter for motorcycles thread M12 x 1.25 (external thread) 4795-11	083787
Adapter for motorcycles and diesel engines thread M10 x 1 (external thread) 4795-12	083794
Adapter for diesel engines thread M24 x 2 (external thread) 4795-13	083800
Adapter for VW diesel engines incl. 4795-11 pin \varnothing 7 mm 4795-14	083817
Adapter for multi-valve engines M14 x 1.25 Length: 165 mm 4795-15	104345

Optical Tester



- (Refractometer) – Also suitable for G12++, G13, AdBlue**
- Optical tester (refractometer) with integrated lighting (LED) in the lid
 - For testing the anti-freezing liquid concentration in the cooling water (also suitable for cooling fluid G12++ and G13)
 - For testing the quality of AdBlue
 - For testing the battery acid concentration (state of battery charging)
 - 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

Made in Germany

HAZET No.	EAN-No. 4000896+
4810 C	186402

Cylinder Head Leakage Tester



- For radiator adapter HAZET 4800
- For the detection of damage at the cylinder head
- For the safe detection of leakages between the combustion chamber and the cooling system on water-cooled combustion engines – **gas, diesel, petrol**
- Reaction fluid included

Made in Germany

HAZET No.	EAN-No. 4000896+
4800-41 Reaction fluid (250 ml)	058891
4800-041	108985

Cylinder Head Tightness Tester



320 x 128 x 58 mm

- For the detection of cylinder head gasket defects, leaks between the cooling system and the combustion chamber
- For water-cooled combustion engines (gas, diesel and gasoline)

Made in Germany

HAZET No.	EAN-No. 4000896+
3 pieces in sheet metal box Contents: 4793-1 2 3	
4793/3	076192
Tester 4793-1	076185
Reaction fluid (250 ml)	
4793-2	076208
Flushing fluid (250 ml)	
4793-3	076215



Exhaust System / Lambda Probe

Exhaust Equipment Tool



- Assembly hook for installing and removing rubber retainers of the exhaust equipment on e.g. **FORD** Fiesta, Orion, Escort, **BMW**, etc.
- Hook 40 mm, 9° offset
- With plastic T-handle
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
4684-1	209	022199



- Assembly hook for installing and removing rubber retainers of the exhaust equipment on e.g. **VW**, **AUDI**, **MERCEDES-BENZ**, **OPEL**, Japanese cars, etc.
- Hook 17 mm, half-round, 20° offset
- With T-handle
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
4684-2	209	022205

Chain Pipe Cutter



- Chain pipe cutter for cutting exhaust pipes esp. suitable for pipes made of **V2A** steel up to a wall thickness of 2.5 mm and 80 mm Ø
- Extended cutting diameters by using extension chain HAZET 4682-01
- Low power required due to large T-screw that – fixed by **grip technique** – enables easy adjustment during cutting process
- Surface: nickel-plated

Chain Pipe Cutter

HAZET No.	l mm	EAN-No. 4000896+
4682	255	022168

Repair Set (9 pieces) for cutting chain 4682-01
4682-01/9 – 057214



Suitable up to a wall thickness of 6 mm and a Ø of 113 mm

- Chain pipe cutter for cutting pipes made of galvanized or stainless (V2A) steel, copper, PVC and aluminium up to a wall thickness of 6 mm
- 15 cutting wheels made of alloyed steel
- Pipe diameter of 21 up to 113 mm
- Easy adjustment due to large T-screw during cutting process
- Surface: nickel-plated

HAZET No.	l mm	EAN-No. 4000896+
4682-1	315	149384

Spare chain for 4682-1
4682-03 – 149421

Lambda Probe Socket



- For lambda probes on **NISSAN**, **FORD**, **VOLKSWAGEN**, **SEAT**, **ŠKODA** etc.
- Optimal fit to the 6-point profile of the lambda probe
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	s mm	l mm	d ₁ mm	EAN-No. 4000896+
4680-1	22	92	30.4	165605



- For lambda probe on **MERCEDES-BENZ**
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	s mm	l mm	d ₁ mm	EAN-No. 4000896+
4680-2	22	110	36	022090

Lambda Probe Socket



- Socket tip with esp. narrowed outside Ø
- For lambda probes on **VW** Golf 7 and **AUDI** A3 since 2013, 1.6 l and 2.0 l – 4 cyl. Common Rail, 4V, turbo charger
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	s mm	l mm	d ₁ mm	EAN-No. 4000896+
4680-2 A	22	110	30	173761



- For lambda probes on **VW**, **AUDI**
- Outside hexagon 22 mm
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

HAZET No.	s mm	l mm	d ₁ mm	EAN-No. 4000896+
4680-3	22	110	41	022106



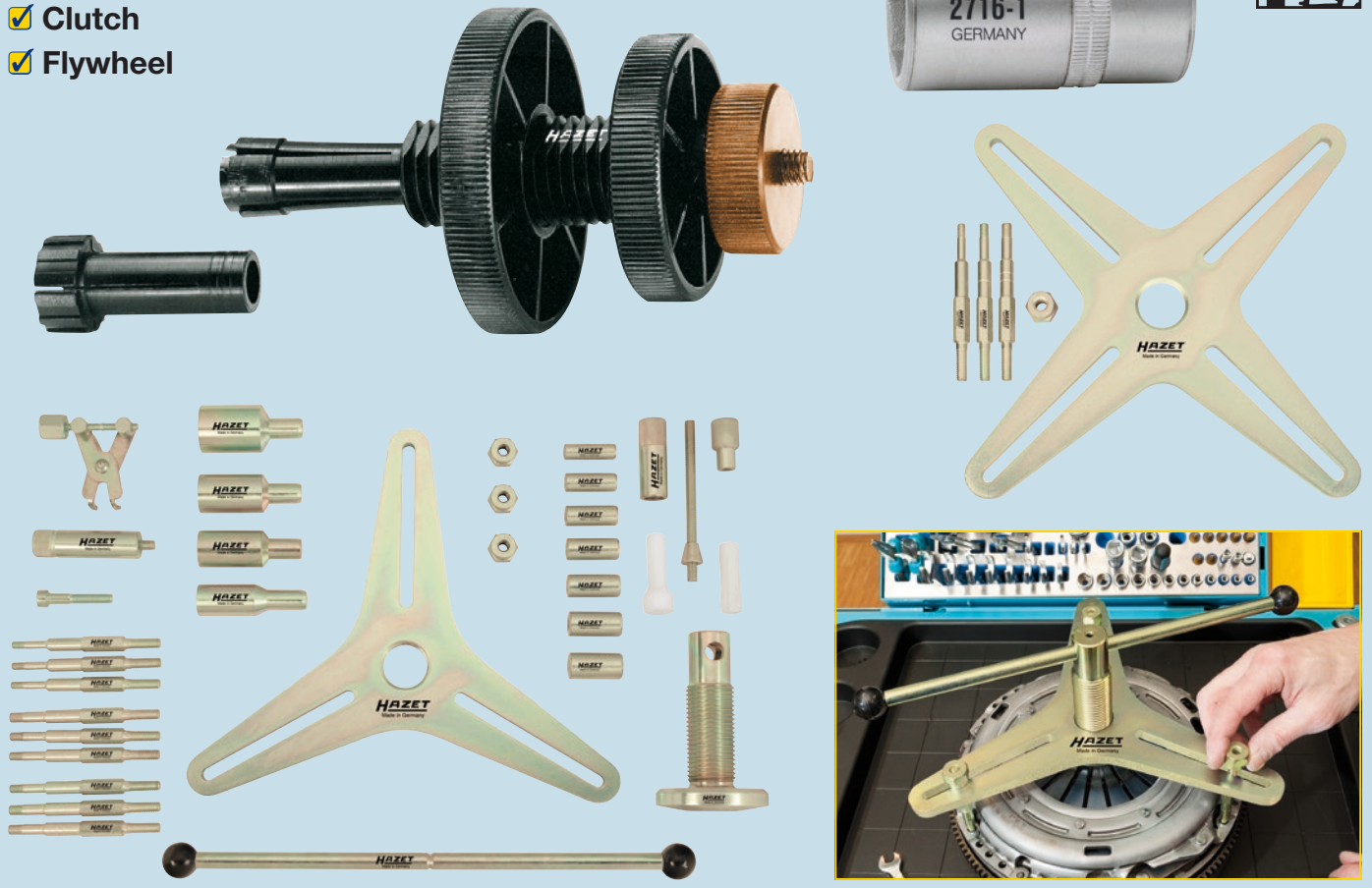
- For installing and removing the lambda probe, e.g. on **FORD**, **BMW**, **OPEL**, **VW**, **AUDI**, **SEAT** and **ŠKODA**
- Double □ drive 12.5 = 1/2" or operation with hexagon drive s 30 mm
- Surface: phosphated
- **Made in Germany**

HAZET No.	s mm	EAN-No. 4000896+
4680-5	22	057870

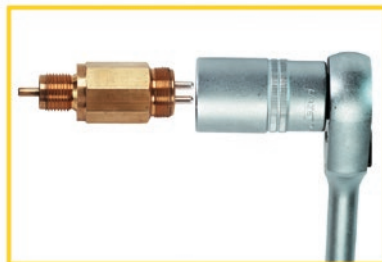
Gearbox

Tools for the following fields of application:

- Gearbox
- Clutch
- Flywheel



Socket for the Reverse Gear Switch



- For the operation of switches, e.g. the reverse gear switch at the gear or the axles e.g. on **MERCEDES BENZ** commercial vehicles of the SK series, Actros, **MAN** commercial vehicles
- 27 mm **8-point special profile**
- Especially relieved
- □ drive 12.5 = 1/2"
- Surface: chrome-plated
- **Made in Germany**

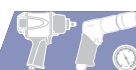
HAZET No.	l mm	EAN-No. 4000896+
2716-1	60	086405

Clutch-Centring Tool

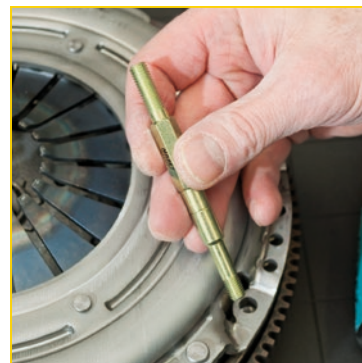
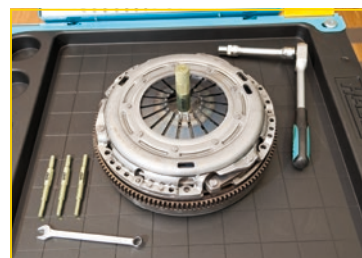
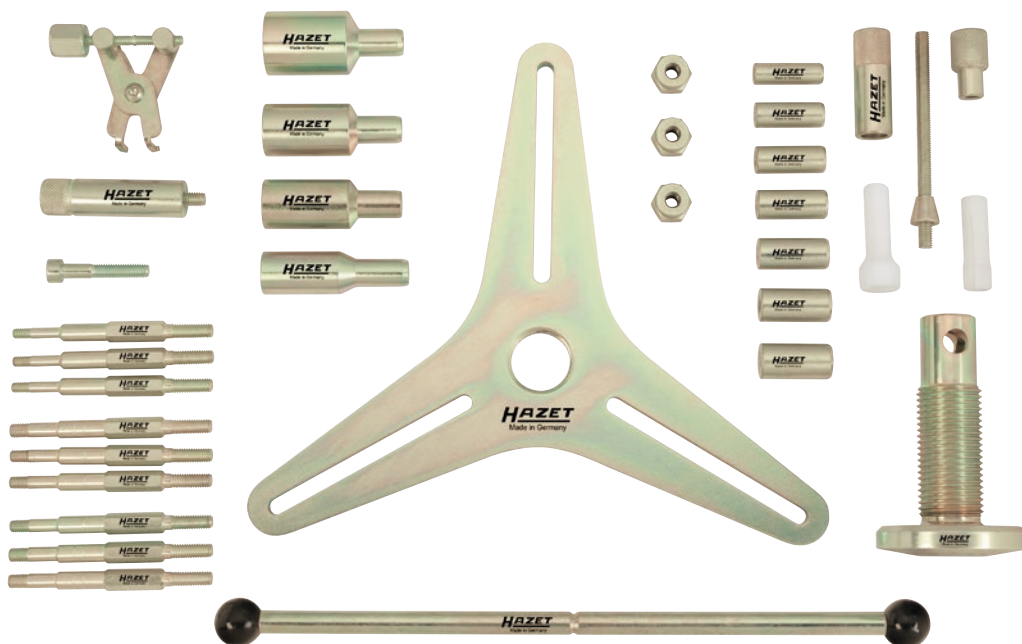


- For the **correct centering and installation of the clutch plate to the pressure plate**
- Fast and easy installation
- No need to center the clutch plate by the needle bearing
- Also suitable for vehicles **without** clutch guide
- For passenger cars and small commercial vehicles
- With 2 collets:
 - size 1 = 15–21 mm ∅
 - size 2 = 21–28 mm ∅
- Plastic with metal clamping screw

HAZET No.	EAN-No. 4000896+
2174	013609



SAC Clutch Alignment Tool Set (3-hole division)



For the professional installation and removal of self-adjusting clutches e.g. on VW, AUDI, BMW, FORD, MERCEDES-BENZ, OPEL, RENAULT, Volvo

- High-precision, accurately fitting components manufactured according to the newest CNC production techniques guarantee optimal working
- Suitable for SAC (self-adjusting) clutches with 3 hole division
- With centring option of the clutch
- Operation of the adjusting ring possible
- Prevents distortion of the adjusting ring in the clutch pressure plate
- Optimal usage for a damage-free working on the SAC clutch
- Avoids malfunctions such as bad separating, slipping or judder
- Easy change from 3-hole to 4-hole pressure plate
- High-quality surface prevents damage of tools
- Components and Spare Parts available
- Sturdy case for storage of tools

- Oil-resistant foam insert
- Foam insert with option for storage of the Expansion Set 2174-2/5 (4-hole division)
- Includes detailed operating instructions

34 pieces

Made in Germany

Contents:

- 2174-08 012 014 015 016 017 018 019
- 2174-6 7 8 9 10 11 13 15 (3x)
- 2174-15 x 23 15 x 26,5 15 x 28 15 x 34
- 2174-16 17 18 19
- 2174-171 172

HAZET No.	EAN-No. 4000896+
2174-1/34	174591

Expansion Set SAC Clutch Alignment Tool (4-hole division)



For SAC Clutch Alignment Tool Set 2174-1/34

- 4-hole pressure plate necessary for e.g. **MERCEDES BENZ**, type 169 since 2004 (A-Class) **OPEL** Insignia
- High-precision, accurately fitting components manufactured according to the newest CNC production techniques guarantee optimal working
- High-quality surface prevents damage of tools
- Easy storage in tool set case 2174-1/34

5 pieces

Made in Germany

Contents:

- 2174-6 7 8 14 15

HAZET No.	EAN-No. 4000896+
2174-2/5	174607

Oil Service

- ✓ Oil Service Wrench
- ✓ Universal Strap Wrench
- ✓ Oil Filter Chain Wrenches
- ✓ Oil Filter Claw Wrench



Application
Oil Service
www.hazet.de → Tool Finder → Oil Service
◀ For Smartphones with QR-Reader (App)

Overview Oil Filter Wrenches

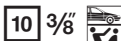
HAZET No.	Execution Points/Grooves	Oil Filter \varnothing mm	Oil Filter Wrench \varnothing mm	Insert Depth Wrench mm	Total Height mm	Drive	
						\varnothing mm	□
2168-6	6-Point	109.5	117.5	65	77	–	10 3/8
2168-46	6-Point	46	59	15	29.5	–	10 3/8
2169	14-Point	74.4	82	30	52	27	10 3/8
2169-1	15-Point	92	102	19	48	27	12 1/2
2169-5	18-Point	135	148	41	57	24	12 1/2
2169-6	16-Point	86.7	97	44.5	55.5	24	12 1/2
2169-7	14-Point	64	76	23	43	24	12 1/2
2169-10	14-Point	74	82	20	42	27	10 3/8
2169-11	14-Point	84	97	30.5	48.5	24	12 1/2
2169-32	6-Point	32	43	18	30	–	10 3/8
2169-36	6-Point	36	49.5	15.2	29.5	–	10 3/8
2169-66	6 Grooves	66	76	23.5	43.5	24	12 1/2
2169-76	6 Grooves	76	85	21	42	24	12 1/2
2169-76 K	6 Grooves	76	85	14.5	34	24	12 1/2
2169-86	9 Grooves	86	97	24.5	44	24	12 1/2



Application

Oil Service
www.hazet.de → Tool Finder → Oil Service
◀ For Smartphones with QR-Reader (App)

Fuel Filter Wrench



For the damage-free operation of the filter housing cap when changing the fuel filter

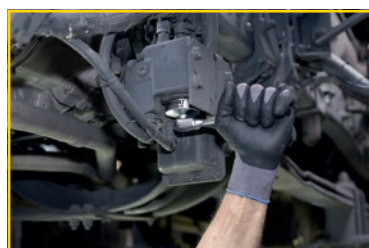
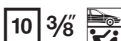
- Drive 10 = 3/8" – Ø 109 mm with 6 grooves
- Application e.g. on **FIAT/ALFA/LANCIA** with 1.3 l – 1.9 l – 2.4 l diesel engines as well as **OPEL** Vectra C/Signum 1.9 l diesel, Astra H 1.3 l and 1.9 l diesel, Corsa C/Combo/Meriva 1.3 l diesel engines

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

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
2168-6	117.5	149070

Ad-Blue® Filter Wrench



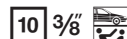
For the operation of the filter housing cap when replacing the AdBlue® filter (urea solution filter) on **MERCEDES-BENZ** commercial vehicles with **BlueTec®** engines e.g. Actros, Atego, Axor, Econic

- The torque value recommended by the vehicle manufacturer (please consider manufacturers' instructions) is reached e.g. with the torque wrench HAZET 6110-1 CT
- □ drive 10 = 3/8"
- Ø 46 mm

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
2168-46	59	156252

Oil Filter Wrench



- For the operation of **oil filters and oil filter housing caps 14-point s 74.4 mm**
- □ drive 10 = 3/8" or outside hexagon 27 mm

Made in Germany

HAZET No.	mm	mm	EAN-No. 4000896+
2169-10	27	82	013340

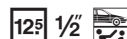
- For **MANN, KNECHT and OPEL** Longlife filters e.g. for **MERCEDES-BENZ** passenger cars with 2.2 l CDI-engine, M 102, M 103, M 104, M 110, M 111, M 119, M 120, M 613, Sprinter 2.2 l Turbo since 2006, **AUDI** A4 2.0 since 2002, A4 4-cyl. petrol engines since 12/2007, **BMW**-motorcycles, K-models = K 75-1100 LT, new series F and K **VW**-Passat 1.9 TDI pump-nozzle injection, Golf Plus 2.0 since 2005, Golf 6 1.6 l and 1.2/1.4/1.8/2.0 TSI, Polo 5 1.2l – 1.4l TSI, Tiguan since 2007 1.4l TSI (110kW) 2.0l TSI as well as **FORD, OPEL, PORSCHE, PEUGEOT, CITROËN, RENAULT, NISSAN, TOYOTA, MAZDA** etc.

2169	27	82	013340
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- 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**

2169-10	27	82	108831
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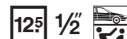


- For the operation of **oil filters (KNECHT- and MAHLE filters) 15-point s 92 mm** e.g. **VW, AUDI** Passat 1.9 TDi, 2.8 l, **CHRYSLER** 300 M, **PORSCHE, OPEL, RENAULT, FORD** Focus 1.8 Di since 08/1999, 1.8 TDi since 10/1998, Maverick 2.7 TD, Mondeo 2.5 l, **MITSUBISHI, NISSAN, ALFA-ROMEO, HONDA, Volvo** etc. **MAN** (commercial vehicles) F 2000

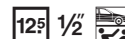
- □ drive 12.5 = 1/2" or outside hexagon 27 mm

Made in Germany

HAZET No.	mm	mm	EAN-No. 4000896+
2169-1	27	102	013357



Oil Filter Wrench



For the operation of **oil filters and plastic oil filter housings** □ drive 12.5 = 1/2" or outside hexagon 24 mm

Made in Germany

HAZET No.	mm	mm	EAN-No. 4000896+
2169-5	24	148	100330

For the operation of plastic **oil filter housings 18-point s 135 mm** on **MAN** commercial vehicles of the series F 2000 and TGA

2169-5	24	148	100330
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For the operation of plastic **oil filter housings 16-point s 86 mm**,

e.g. on **BMW** 316i Limousine Touring, 316ti Compact, 318Ci Cabrio, Coupé, 318i Limousine Touring, Compact since 2001, 1 Series (E87): 116i, 118i, 120i, 130i
Volvo V40, V70, S40, S60, S70, S80

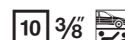
2169-6	24	97	100293
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- For the operation of **oil filters 14-point s 64 mm** on **TOYOTA** Yaris, Corolla, MR2 until 1999, Starlet, Celica, Avensis, **NISSAN** Micra, Almera, **MAZDA** 323, 626, MX-5, Xedo, **SMART** ForFour (type 454) engine 134, 135, **SMART** Fortwo (type 451) engine 132, as well as **SUBARU, SUZUKI, DAIHATSU**
Also suitable for **YAMAHA** Super Ténéré XT1200 z, YZF-R1 since 2007, YZF-R6 since 2006, FZ1-S since 2006, FZ1-N since 2006, FZ6-S since 2007, FZ6-N since 2007

2169-7	24	77	100224
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- **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	24	97	118847
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- For installing and removing **oil filters and oil filter housing caps** when changing the filter element
- □ drive 10 = 3/8"
- Forged design
- Surface: chrome-plated

Made in Germany

HAZET No.	mm	mm	EAN-No. 4000896+
2169-32	32	43	082346

- **6-Point s 32 mm**
OPEL Astra, Corsa, 1.9 l CDTi
VW Passat, Golf 6 with 1.6 and 2.0 CR-TDi, Polo 5 1.2l-1.4l TDi, Polo 1.2 l petrol engines since 2005, Transporter T5 1.9 l diesel since 2004, Touran TDi, Tiguan since 2007 1.4l (90/118kW) 2.0l diesel engines, **AUDI** A6 3.2 l TSI, V6 since 2004, A4 diesel since 12/2007
BMW 530d M57 since 2008
For urea solution filter Ad-Blue® **MAN** e.g. TGA

2169-32	32	43	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 1.2l, Golf 6 1.4l SRE/TSI, Touareg TDi, T5 2.5 D, **AUDI** 6 cyl. petrol engines since 12/2007
For **MAN** fuel filter e.g. TGA

2169-36	36	50	086566
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Oil Filter Wrench

12.5 1/2



- For the operation of **Purflux** oil filters
- □ 12.5 = 1/2" or outside hexagon \varnothing 24 mm

Made in Germany

HAZET No.	mm	mm	EAN-No. 4000896+
2169-66	24	76	100217

- \leq 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

2169-66	24	76	100217
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- \leq 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, **OPEL** Astra G/F, Corsa A/B, Calibra, Zafira, Frontera, **SUZUKI** Grand Vitara 1.9D model year 2009 **VW** Golf 3 + 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	24	85	100309
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Especially for BMW motorcycles

- \leq 76 mm groove profile (6 grooves), reduced height
- For new **BMW** motorcycles, R1200 GS, R1200 R, R1200 RT

2169-76 K	24	85	158188
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- \leq 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	24	97	100323
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Oil Filter Wrench Set



Oil Filter Wrench Set

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

Made in Germany

HAZET No.	EAN-No. 4000896+
2169 2169-1 2169-6	
2169-36 2169-76 2169-86	
2169/6	120628

Universal Strap Wrench



- Especially for oil filter, generator and other round screwed connections
- Cotton textile tape, rubber coated
- Non-skidding
- Surface: chrome-plated

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
2170	160	013371

Oil Filter Wrench



- For the operation of oil filters, e.g. as assembly tool for oil and fuel filters on commercial vehicles **MAN**
- Adjustable steel strip

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
□ drive 12.5 = 1/2"		
2171-1	80–110	013418
With lever		
2171-2	75–110	013432



- For removing oil filters even in areas with restricted access
- Adjustable by turning knob or 6-point 13 mm
- Replaceable steel strip (12 x 1 mm)

HAZET No.	mm	EAN-No. 4000896+
2171-5	65–105	013449
2171-6	105–145	013456

Oil Filter Chain Wrench

12.5 1/2



- For removing oil filters and for the operation of the granulates cartridge on commercial vehicles with compressed air dryers
- Even in areas with restricted access
- With chain
- □ drive 12.5 = 1/2"

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
2171-8	50–150	013463

Oil Filter Wrench

10 3/8

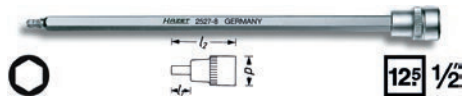


- For oil filters in areas with restricted access
- Left-hand and right-hand operation
- Universal application
- □ drive 10 = 3/8" or \bullet 19 mm
- Forged design
- Surface: galvanized

Made in Germany

HAZET No.	mm	EAN-No. 4000896+
2172	65–115	013470

Ball-Head Screwdriver Socket



- For oil pan screws on **VW**, **AUDI**, **SEAT**, **ŠKODA**
- □ drive 10 = 3/8"
- For inside hexagon screws

Made in Germany

HAZET No.	s mm	l ₁ mm	l ₂ mm	d mm	EAN-No. 4000896+
2527-5	5	200	227	19	016303



Specialty Tools – Oil Service

Oil Pan Socket



- For the oil pan
- □ drive 10 = 3/8"
- With ball joint and T-handle
- Surface: chrome-plated

MADE IN GERMANY

HAZET No.	S mm	l mm	EAN-No. 4000896+
2528-10	10	250	016327

Oil Service Socket



- For screws with internal serration (XZN) with pin
- For the oil drain plug at the gearbox
- AUDI A2, A3, A4, A6, TT
- VW Passat B5, Golf 4, LT, T4, T5
- ŠKODA Fabia, Octavia, Superb
- PORSCHE Boxster with shift gear
- FORD Galaxy 1.9 TDi with 6-speed gear box
- □ drive 12.5 = 1/2"
- Surface: chrome-plated

MADE IN GERMANY

HAZET No.	l mm	M	EAN-No. 4000896+
2567-16	60	16	016419

Oil Service Wrench



- For oil filler screw on M 8 gearbox
- Surface: chrome-plated

MADE IN GERMANY

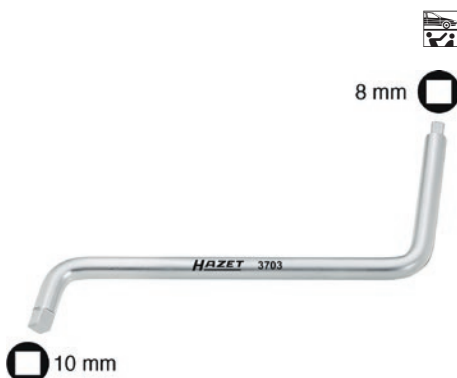
HAZET No.	S mm	l mm	EAN-No. 4000896+
2760	14 x 17	237	017638

Types 100, 110, 115, 116, 117, 615, 616, 617

2760 14 x 17 237 017638

Types 102, 103, 104, 110, 115, 116, 117, 119, 120, 123

2760-2 13 x 14 287 017652



- 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

MADE IN GERMANY

HAZET No.	S mm	l mm	EAN-No. 4000896+
3703	8 x 10	233	018932

Oil Service Screwdriver Socket



- For the oil filler and oil drain plug gearbox, differential, oil pan
- □ drive 12.5 = 1/2"
- Surface: chrome-plated

MADE IN GERMANY

HAZET No.	S mm	l mm	EAN-No. 4000896+
3702	8	36	018918

8 mm outside square

e.g. for RENAULT

3702 8 36 018918

10 mm outside square

3702-1 10 36 018925

Oil Service Wrench



- 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

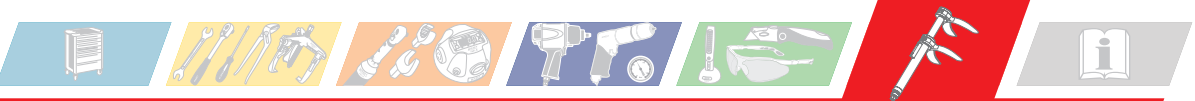
MADE IN GERMANY

HAZET No.	l mm	EAN-No. 4000896+
4618	218	021994



HAZET
Ingenious Tools

Your commercial vehicle specialist!



Brakes

- ✓ Brake Bleeding Set
- ✓ Brake Adjusting Lever
- ✓ Brake Fluid Tester
- ✓ Brake Piston Readjusting Set
- ✓ Tube Flaring Tools
- ✓ Files
- ✓ Tools for Hand Brakes and many more ...



Brakes

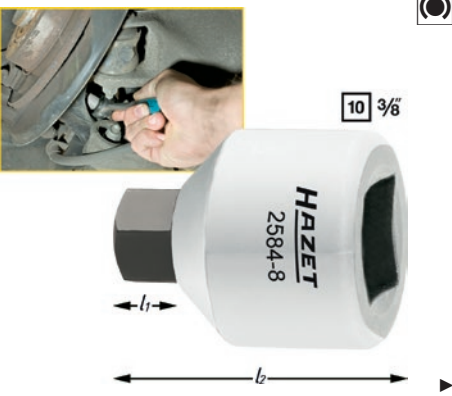
Brake Pressure Regulator and Wheel Bearing Socket



- 6-Point Socket
 - For the adjustment of torsion bars – removal of wheel bearings on VW transporter T4
 - □ drive 12.5 = 1/2"
 - Surface: matt chrome-plated
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
2583	27	140	017034

Brake Calliper Screwdriver Socket

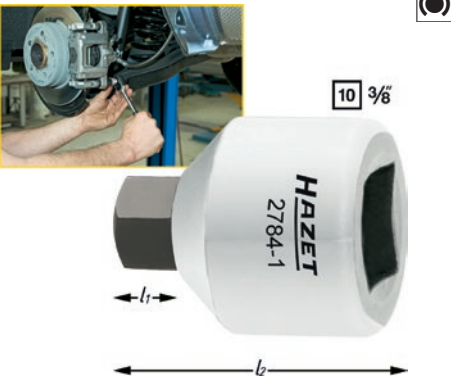


230

Brake Calliper Screwdriver Socket

- For the operation of the brake calliper screws at the rear axle s 8 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 mm = 3/8 drive, e.g. HAZET 6110-1 CT
 - With fix blade (size 8 mm) for inside hexagon screws
- Made in Germany**

HAZET No.	S mm	d mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2584-8	8	19	7	24	149438



- For the operation of the guide bolts s 7 mm at the rear brake callipers on **MERCEDES-BENZ** type 204 (C-Class)
- For controlled screw tightening use a torque wrench with 10 mm = 3/8 drive, e.g. HAZET 6110-1 CT
- With fix blade (size 7 mm) for inside hexagon screws

Brake Calliper Screwdriver Socket

- **Made in Germany**
- | HAZET No. | S mm | d mm | l ₁ mm | l ₂ mm | EAN-No. 4000896+ |
|-----------|------|------|-------------------|-------------------|------------------|
| 2784-1 | 7 | 19 | 7 | 24 | 148530 |

Brake Calliper Screwdriver Socket



- For the operation of the brake calliper screws (Knorr-Bremse) 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
 - □ drive 20 = 3/4"
 - O 14 mm
- Made in Germany**
- | HAZET No. | S mm | l ₁ mm | l ₂ mm | EAN-No. 4000896+ |
|-----------|------|-------------------|-------------------|------------------|
| 2784-14 | 14 | 60 | 110 | 155583 |



Specialty Tools – Brakes

Brake Calliper Screwdriver Socket



- For inside hexagon screws on rear brake callipers on **BMW 3, 5 and 8-series** as well as on **OPEL**
- □ drive 10 = 3/8"

• Made in Germany

HAZET No.	S mm	l mm	EAN-No. 4000896+
2901 G-7	7	48.5	051816

Brake Calliper TORX® Socket



For the operation of the brake calliper screw 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)

• Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
• For e.g. MAN TGM and TGL		
2871-E 18	39.5	176175
• For e.g. MAN-TGM, TGA – outside TORX® E 20		
2871-E 20	39.5	148790
• For e.g. MAN-TGA, TGS, TGX – outside TORX® E 24		
2871-E 24	39.5	148783

Brake Bleeding Wrench Set



- 5 pieces, 7–11 mm
- Made in Germany

Contents:

4968-7 8 9 10 11

HAZET No.	EAN-No. 4000896+
4968/5	086535

Application Chart for Brake Bleeding Wrenches No. 4968

Car	S mm				
	7	8	9	10	11
BMW	7				
CITROEN		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
SEAT	7	8			
SUZUKI				10	
TOYOTA			8	10	
Volvo		8		10	11
VW-AUDI	7				11

Brake Bleeding Wrench



- For brake bleeding without dismantling the wheels, replacement of wheel brake cylinder, master brake cylinder and tube connections
- Bent and offset
- Equal hexagon size on both sides
- Surface: chrome-plated

• Made in Germany

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

Special Tool for Brakes



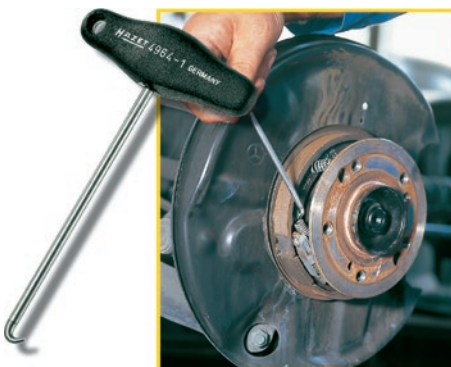
Special Tool for Brakes

- For installing and removing spring plates and the holding device of brake linings on drum brakes, e.g. on **VW, SEAT, ŠKODA, OPEL and RENAULT** with rear drum brakes
- Push- and turn-part with carbide coating layer in front working area
- Plastic handle
- Surface: chrome-plated

• Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4963-1	237	050383

Assembly Tool



- For installing and removing the **draw spring of hand brake shoes**, e.g. on **MERCEDES-BENZ** passenger cars with rear disc brakes as well as on **VW Crafter** since 2006 and **LT**
- Hook with T-Handle
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
4964-1	162	055708

Cartridge Wrench

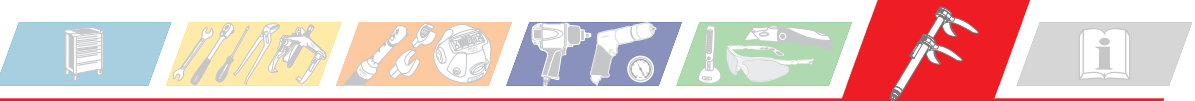


For loosening the granulates cartridge on commercial vehicles with compressed air dryer e.g. on **MERCEDES-BENZ** and **MAN**

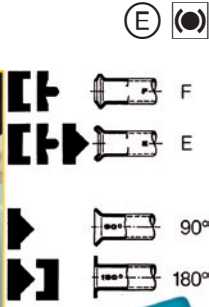
- Design "Made by HAZET"
- Negative position of arms
- Forged design
- MAN-No. 8099606-0307
- □ drive 12.5 = 1/2"
- Surface: burnished

• Made in Germany

HAZET No.	∅ mm	EAN-No. 4000896+
2195	90-140	014101



Tube Flaring Tool Set



290 x 173 x 50 mm

- For metal tubes and pipes with a wall thickness of 0.7 and 1.0 mm pipe- \varnothing 4.75–10 mm
- For open (F) or double (E) flares according to DIN 74234, for normal 90°- and 180° flares
- For flares on rolled and drawn pipes
- With replaceable hinged gripping jaws
- Note: For plastic coated brake lines use HAZET 2193/4K!**

- Special cast steel
- Set of 12 pieces
- In sheet metal box
- Surface: lacquered

Contents:

- 1 Tube Cutter 2181-1
- 1 Tube Flaring Unit 2191
- 1 Gripping Jaw 2191-1
- 1 Tube Deburring Tool 2191-2
- 1 Base Block 2191-3
- 6 Thrust Blocks 2191-4 to 2191-10
- 1 90°- Thrust Block 2191-90

Made in Germany

Contents:

- 2181-1 2191
- 2191-1 2 3 4 5
- 6 8 9 10 90

HAZET No.	EAN-No. 4000896+
2191/12 K	013890

Basic unit



- For tubes with a wall thickness of 0.7 and 1.0 mm
- Made in Germany**

HAZET No.	EAN-No. 4000896+
2191	013784

Gripping Jaw



- For E and F-flares 4.75 up to 10 mm
- Made in Germany**

HAZET No.	mm	EAN-No. 4000896+
2191-1	4.75–5 – 6–8 – 9–10 mm	013791

Tube Deburring Tool



- For tube deburring
- For tubes with outside \varnothing of 4–32 mm
- Made in Germany**

HAZET No.	mm	EAN-No. 4000896+
2191-2	4–32	013814

Base Block



- For E, F and 180° flares 4.75 up to 10 mm
- Made in Germany**

HAZET No.	mm	EAN-No. 4000896+
2191-3	4.75–10	013821

Thrust Block



- For E and F-flares
- Surface: burnished
- Made in Germany**

HAZET No.	\varnothing mm	EAN-No. 4000896+
2191- 4	4,8	013838
2191- 5	5	013845
2191- 6	6	013852
2191- 8	8	013869
2191- 9	9	013876
2191-10	10	013807

Thrust Block



- For E flares and simple flares 4.75 up to 10 mm
- Surface: burnished
- Made in Germany**

HAZET No.	\varnothing mm	mm	EAN-No. 4000896+
2191-90	4.75–10	($\frac{3}{16}$ "– $\frac{3}{8}$ ")	013883

Tube Flaring Tool Set



In sheet metal box

- Especially for plastic-coated brake lines 4.75 mm \varnothing
- Set of 4 pieces
- Made in Germany**

Contents:

- 2181-1 2193 A 2193-1 2

HAZET No.	EAN-No. 4000896+
2193/4 K	014088

Tube Flaring Unit



- Lightweight and easy to handle
- Especially for F-flares on plastic-coated brake lines \varnothing 4.75 mm
- May be clamped into a vice, also allows manual operation under vehicles
- Made in Germany**

HAZET No.	\varnothing mm	EAN-No. 4000896+
2193 A	4,8	142538

Replacement Thrust Block

- With dowel pin
- Made in Germany**

HAZET No.	EAN-No. 4000896+
2193/02	014071



Bending Tool



- For bending brake lines with a \varnothing of 4.75 mm

Made in Germany

HAZET No.	\varnothing mm	EAN-No. 4000896+
2193-1	4.8	014057

Tube Deburring Tool

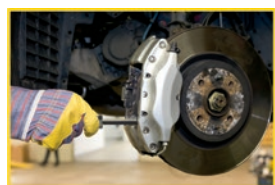


- For inside and outside deburring of tubes

Made in Germany

HAZET No.	\varnothing mm	EAN-No. 4000896+
2193-2	4.8	014064

Brake Calliper File



- **Extra slim style (width 10 mm), especially appropriate for Japanese vehicles**
- For removal of stubborn brake dust, rust and dirt from the brake calliper
- With integrated **flat scraper** at the front end for removing crude residues

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-5	155	265	129379

Brake Calliper Brush



- For removal of brake dust and dirt from the brake calliper
- For vehicles with disc brakes
- Slim design
- Plastic handle with suspension hole

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4968-2	225	084821

Brass Brake Calliper Brush



- For cleaning **aluminium brake callipers**
- Soft brass bristles facilitate damage-free cleaning
- Slim design – allows working in areas with restricted access
- Plastic handle with suspension hole

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4968-3	225	089147

Brake Calliper File



- **Width: 12 mm**
- For removal of stubborn brake dust, rust and dirt from the brake calliper
- For vehicles with disc brakes
- Coarse bevel cut on one side
- One-sided cut prevents damage of the dust boot at the brake piston
- Plastic handle

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-1	165	275	084739

Anti-Lock Braking System (ABS) Reamer



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 \varnothing 16 mm on 18 mm
- Trouble-free removal of deposits (dirt, corrosion and other residues) from the ABS sensor receptacle
- Functional length: 85 mm

Made in Germany

HAZET No.	l_1 mm	l_2 mm	\varnothing mm	EAN-No. 4000896+
4968-1618	85	130	16-18	177684

Brake Adjusting Lever



- For adjusting of **drum brake shoes** with excenter
- For adjusting hand brakes with excenter
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2582	304	017027

Hand Brake Tool



- For installing and removing fixing springs of the hand brake shoes on disc brakes
- T-handle
- With guide groove

HAZET No.	l mm	EAN-No. 4000896+
2730	142	017423

Brake Fluid Tester



- **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

Calliper Gauge for Brake Discs



- For measuring the thickness of the brake discs (wear/abrasion of the brake disc). Follow vehicle manufacturer's instructions!
- With fixing screw and sliding vernier (vernier $\frac{1}{10}$)
- With crowned measuring surfaces
- In leather case

Made in Germany

HAZET No.	EAN-No. 4000896+
4956-1	073160
4956-2	073177

Calliper Gauge for Brake Drums



- For the abrasion test at the drum brakes of passenger cars and commercial vehicles (follow vehicle manufacturer's instructions)
 - Scale and slide made of aluminium profile
 - Jaws made of stainless steel, 150 mm long
 - Inside measuring with immediate reading
 - Vernier $\frac{1}{20}$
 - With fixing screw
 - Measuring range up to 500 mm
 - In wooden box
- Made in Germany**

HAZET No.	EAN-No.
4955-1	4000896+ 073153

Brake Test Tool Set



For checking the lateral run-out of the brake disc

Contents:

- 1 micrometer screw for exact determination of the thickness of the brake disc
- 1 precision dial gauge for checking the lateral run-out
- 1 hinged bracket with magnetic base as mounting and for an exact positioning of the dial gauge to the vehicle
- **Set of 3 pieces in high-quality plastic case with soft foam insert**

HAZET No.	EAN-No.
4968/3	4000896+ 149179

Brake Bleeding Valve Tool



- Simple tool for the tight connection of filling and bleeding sets, such as 4969-1/3 to the brake bleeding valve
 - Application of common vacuum filling and bleeding systems possible
 - Hose connection: 6 mm inside diameter
 - For operation and controlled screw tightening use a torque wrench with \square drive 6.3 mm = $\frac{1}{4}$ e.g. HAZET 5108-2 CT
 - Integrated non-return valve, non-drip
- Made in Germany**

HAZET No.	EAN-No.
4968-100	4000896+ 159857

Pneumatic Brake Fluid Bleeder Set



Brake fluid bleeder for the extraction of brake fluid on wheel brake cylinders / brake callipers

- Also suitable for ABS brakes (Caution: **Always follow manufacturer's specifications**)
- By means of compressed air, the integrated Venturi-system creates a vacuum, enabling thus the bleeding of the brake system
- With universal plastic nozzle, suitable for all common vehicle types
- Clear transparent brake fluid hose enables easy visual check
- Air consumption: 180 l/min / working pressure: 6 to 8 bar
- Incl. coupler plug, nominal size 7.2
- Contents:
 - 1 brake fluid bleeder (container capacity 0.75 l)
 - 1 refill container with fix nozzle
 - 1 refill container with flexible nozzle (container capacity: 1 litre each)

HAZET No.	EAN-No.
4969-1/3	4000896+ 149445

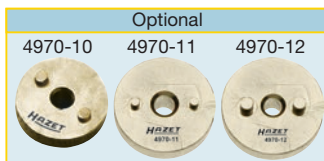


Brake Piston Readjusting Set



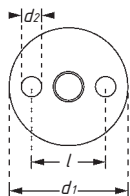
Application

Brake Piston Readjusting Sets
www.hazet.de
→ Tool Advisor application
→ Brake Piston Readjusting Sets
← For Smartphones with QR-Reader (App)



With thrust bearing rotating to the left and right

- For readjusting (**pushing** or **turning**) brake pistons on floating calliper systems with or without locking device for hand brakes
- Thrust bearing avoids damaging of the dust boot
- With additional outside hexagon ≤ 13 mm for flexible application of operating tools, e.g. reversible ratchets
- Universal application – suitable for all common vehicle types
www.hazet.de → Tool Finder → Brake Piston Readjusting Sets



Made in Germany

HAZET No.	d ₁ mm	d ₂ mm	EAN-No. 4000896+
-----------	-------------------	-------------------	------------------

Set of 6 pieces in plastic box

Contents:

4970-1 5 6 7 8 9

4970/6	-	-	088867
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Set of 9 pieces in plastic box

Contents:

4970-1 5 6 7 8 9 10 11 12

4970/9	-	-	157464
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Basic unit

4970-1	-	-	088874
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Adapter with 2 pins for:

AUDI A4 since 2004 and since 2007, **VW** Golf 4, Golf 5 since 2004, New Beetle since 2006, Passat since 2002, Polo since 2004, T4, T5 since 2004, **OPEL** Astra H since 2007, Astra GTC since 2005, Zafira model year 1999-2005, Zafira since 2005, **FORD** Galaxy since 2003, Transit since 2007, **PEUGEOT** 307 SW since 2002, 407, **CITROËN** C4 since 2008, C5 since 2006, Xsara since 2002, **ALFA** 156 since 2004, 147 model year 2005, model year 2008, 166 since 2004, **RENAULT** Traffic since 2005, Espace since 2000, **SEAT** Leon since 2001, Ibiza since 2003, Altea since 2004, Toledo since 2001, **ŠKODA** Octavia since 2007, Fabia since 2004, **FIAT** Croma since 2006

4970-5	35	5	052943
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Adapter VW-AUDI inside hexagon 12 mm

4970-6	30	-	052950
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Adapter with 2 pins for:

FORD Focus until 2003, Mondeo since 2001, **OPEL** Astra G, **SMART** For Four, **MAZDA** 6 since 2003, **RENAULT** Kangoo 4x4 since 2005, **TOYOTA** Corolla since 2000

4970-7	32	6	052967
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Adapter with 2 pins for:

CITROËN, VW, AUDI

4970-8	55	6	052974
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Adapter with 4 pins for:

HONDA Jazz since 2006, **FORD** Mondeo, Focus since 2004, **SAAB**, **RENAULT** Mégane since 2001, Scénic since 2001, Scénic 2, **VW** GOLF 4, Polo since 2003, **NISSAN** Almera, **OPEL** Tigra B since 2007

4970-9	30	5	052981
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Adapter with 2 pins for

OPEL Vectra C, **RENAULT** Scenic since 2005 consider brake calliper execution

4970-10	35	6	126019
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Brake Piston Readjusting Set



HAZET No.	d ₁ mm	d ₂ mm	EAN-No. 4000896+
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Adapter with 2 pins for:

FIAT Panda 4x4 since 2006,

RENAULT Espace since 2004, Vel Satis since 2002, Laguna 2, **OPEL** Vectra C consider brake calliper execution

4970-11	35	3	146581
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Adapter with 2 pins for:

FORD rear wheel brake: Focus since 2005, C-Max since 2003, Mondeo, S-Max since 2006, **KIA** Sorento

4970-12	40	5	149766
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Brake Piston Resetting Tool



For damage-free readjusting brake pistons (floating callipers/ fixed callipers) on disc brakes

- Suitable for all common vehicle types without integrated locking device for hand brakes
- Fast and uniform readjusting without tilting
- 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

Made in Germany

HAZET No.	EAN-No. 4000896+
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4971-1	156245
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Brake Spring Pliers



- For installing and removing the brake shoe recuperating spring on **riveted brake linings**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
-----------	------	------------------

796	215	031818
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- For **glued and riveted brake linings**
- With movable claw
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
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797	317	031825
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Locking Pliers



- For the operation of **deeply located** lockrings e.g. on callipers and gear boxes
- With long bent jaws (90°)
- Ergonomically shaped **2-component plastic handle covers**
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
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1846 b-1.6	195	1.6	061457
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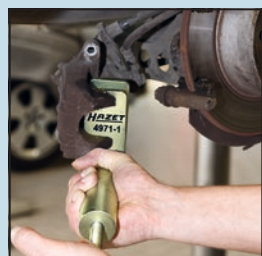
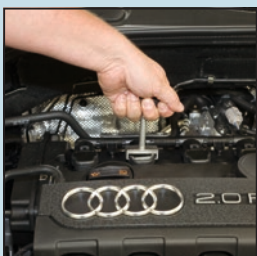
Specialty Tools for famous car manufacturers:

ALFA • AUDI • BMW • CHRYSLER • CITROËN • DAEWOO
DAF • DAIHATSU • FIAT • FORD • HARLEY-DAVIDSON
HONDA • HYUNDAI • ISUZU • IVECO • JAGUAR • KIA
MAN • MAZDA • MERCEDES-BENZ • MITSUBISHI
NISSAN • OPEL • PEUGEOT • PORSCHE • RENAULT
SAAB • SCANIA • SEAT • SKODA • SMART • SUBARU
SUZUKI • TOYOTA • Volvo • VW

Chassis

Specialty Tools for:

- ✓ Engine Timing / Engine Electricity
- ✓ Gearbox and Shafts
- ✓ Chassis and Brakes
- ✓ Body and Interior Equipment
- ✓ Fuel Supply
- ✓ Oil Service and many more ...





Chassis

Tools for the following fields of application:

- ✓ Spring Vice/Shock Absorbers
- ✓ Wheel Bearing/Wheel Hub
- ✓ Silent Block
- ✓ Cardan Shafts
- ✓ Wheels/Tyres



HAZET – Safety Spring Vice 4900

... everything fits well and your safety is guaranteed.

- ✓ Suitable for approx. 200 vehicle types
- ✓ High capacity of 26,000 N
- ✓ Suitable for impact wrenches
- ✓ Closed system – maintenance-free
- ✓ Proven safety
- ✓ With location bar for machinist's vice
- ✓  **Made in Germany**

CLIP
WWW



Chassis


Classification list

Suitable for approx. 200 vehicle types

Federspanner-Datenbank
Hersteller: CHRYSLER
Suchen

Chrysler Typ	Stoßd.	Spannschl.	Hydro. Einlag.	Spannschl.	Einlag. Einlag.	Hydro. Anordnung
Dodge GLE	1000	4900-12 (2x)		4900-11 (2x)		
Chrysler (KL)	1000	4900-11 (2x)				
Grand Cherokee (2.2, 2.5, 4x4)	1000	4900-11 (2x)				


For Smartphones with QR-Reader (App)



Federspanner-Datenbank
Hersteller: PEUGEOT
Suchen

Peugeot Typ	Stoßd.	Spannschl.	Hydro. Einlag.	Spannschl.	Einlag. Einlag.	Hydro. Anordnung
100	1000	4900-12 (2x)				
205	1000	4900-12 (2x)				
206	1000	4900-12 (2x)				
406	1000	4900-12 (2x)				
505	1000	4900-12 (2x)				
605	1000	4900-12 (2x)		4900-11 (2x)		
805	1000	4900-12 (2x)				
Boxer	1000	4900-12 (2x)				

For Smartphones with QR-Reader (App)



www.hazet.de
 Tool Finder
 Safety Spring Vice



Products
see pages 239 to 243

Application charts
see pages 244 to 248



Safety Spring Vice Basic Unit

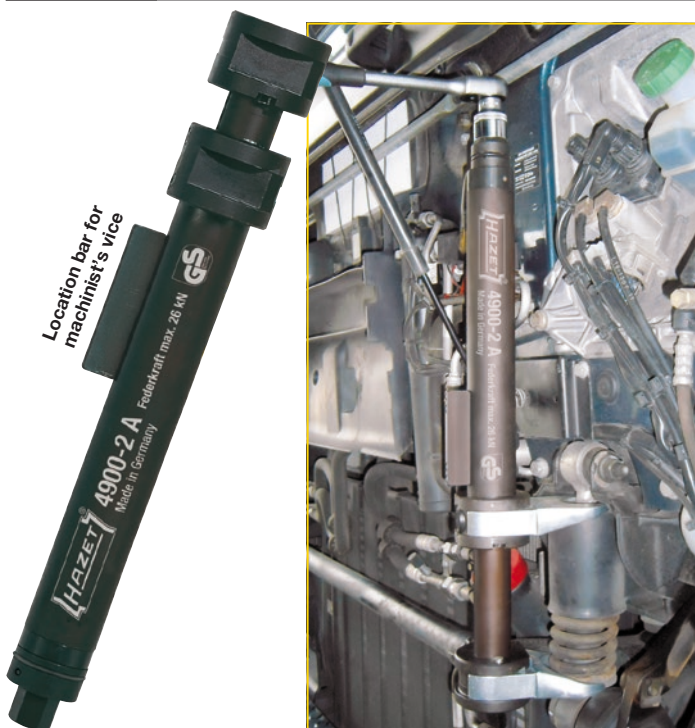


Application

Safety Spring Vice

www.hazet.de → Tool Finder → Safety Spring Vice

← For Smartphones with QR-Reader (App)



For installing and removing the coil spring when changing shock absorbers

Suitable for approx. 200 different vehicle types

- 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 location bar for machinist's vice
- GS mark – Tested Safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws
- Also suitable for spring struts with stop spring in the shock absorber
- No need of further specialty tools

Classification to vehicles see table or in the internet: www.hazet.de → Products → Tool Finder → Safety spring vice

Made in Germany

HAZET No.	EAN-No. 4000896+
Safety Spring Vice Basic Unit 4900-2 A	077267
Replacement set for 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



Replacement set for 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

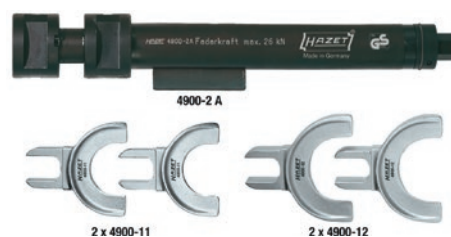
Safety Spring Vice Set



Set with 3 pieces, 4900-2 A/3: suitable for approx. 50 different vehicle types

Set with 5 pieces, 4900-2 A/5: suitable for approx. 100 different vehicle types.

– Refer to table "Classification to vehicles" in the Internet: www.hazet.de or from page 244 on



For installing and removing the coil spring when replacing shock absorbers

- 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 location bar for machinist's vice
- 4900-2 A also suitable for spring struts with stop spring in the shock absorber
- No need of further specialty tools
- Max. span: 309 mm
- High capacity of 26000 N
- GS mark – Tested Safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws

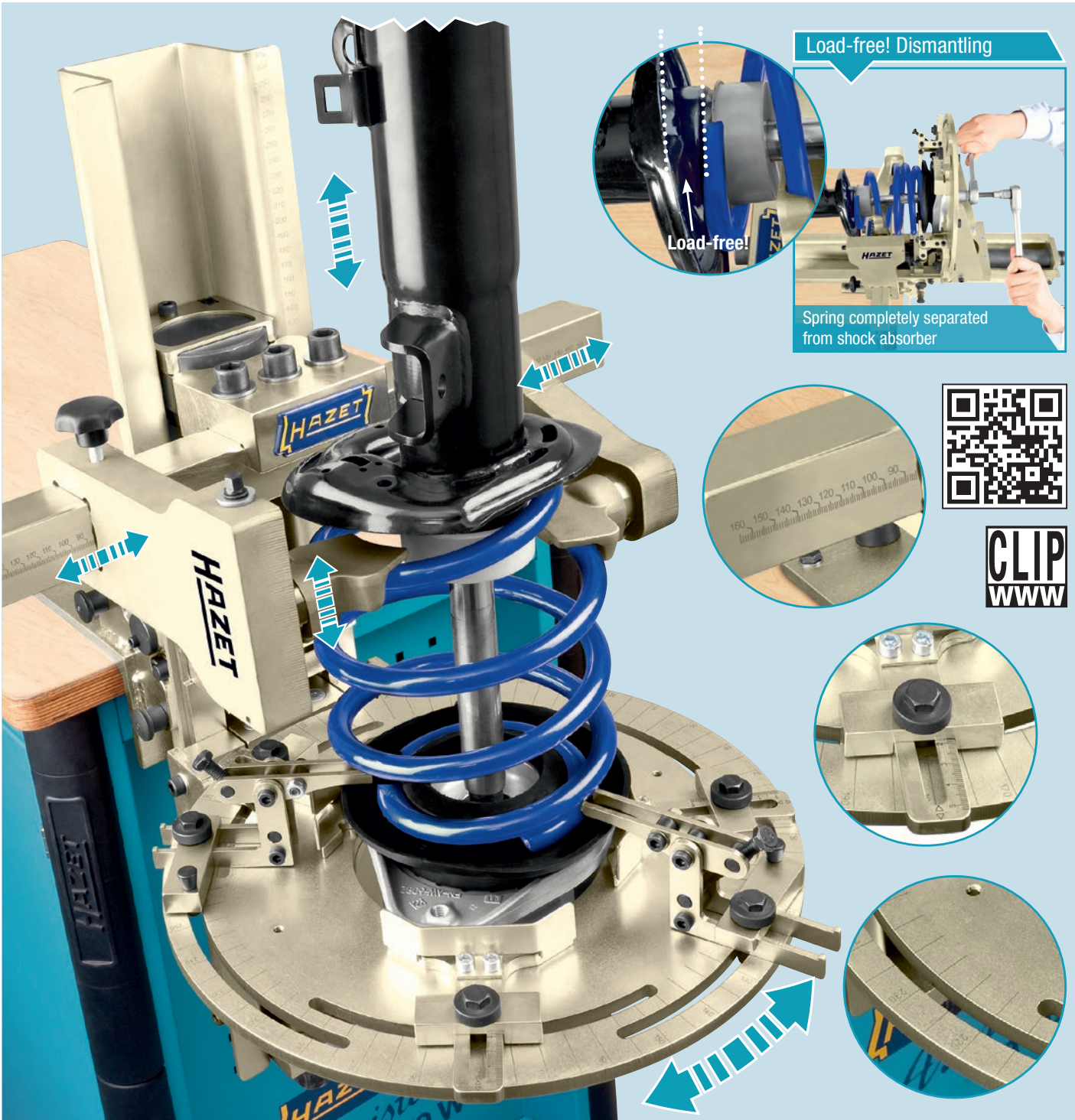
Made in Germany

HAZET No.	EAN-No. 4000896+
1 Basic Appliance and 2 Tensioning Jaws 4900-11 Suitable for approx. 50 different vehicle types Contents: 4900-2 A 11 (2x) 4900-2 A/3	149483
1 Basic Appliance and 4 Tensioning Jaws (2x 4900-11 and 2x 4900-12). Suitable for approx. 100 different vehicle types Contents: 4900-2 A 11 (2x) 12 (2x) 4900-2 A/5	086054

Federspanner-Datenbank						
Hersteller:	Suchen					
PEUGEOT						
CHRYSLER						
Fahrzeug-Typ	Spindel	Spannplatte	Kunstst.-Einlage	Spannplatte	Kunstst.-Einlage	Weitere Anwendung
3008 (S1)	1998	4900-12 (2x)	-	4900-11 (2x)	-	
Cherokee (X)	1993	4900-11 (2x)	-	-	-	
Grand Cherokee (Z, ZS, W)	1993	4900-11 (2x)	-	-	-	
Neon (PL)	1997	4900-12 (2x)	-	4900-17 (2x)	-	
Status (JAZ)	1996	4900-16 (2x)	-	-	-	
Voyager (G)	1996	4900-13 (2x)	-	-	-	
Wangler (T)	1997	4900-11 (2x)	-	-	-	

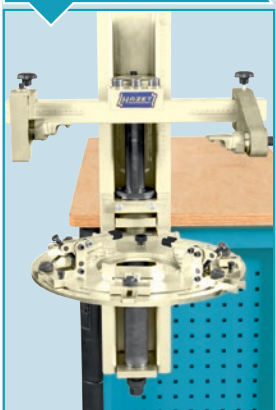
Technische Änderungen der Fahrzeughersteller vorbehalten
 - = keine Federspanner notwendig
 * = z. Z. keine Informationen vorhanden
 ** = BMW-Schraubentferner nur in Verbindung mit entgr. Kunststoffeinlagen verwenden.
 BMW-Vorsicht: Federspanner nur mit Handwerkzeugen betätigen.

Stationary Universal Spring Vice



Chassis

Spring Vice 4903/4



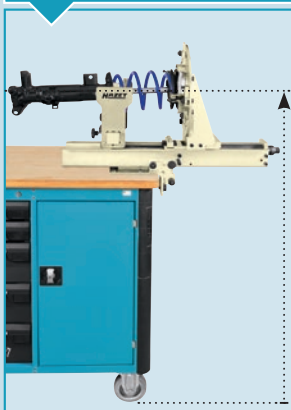
Strut fixation



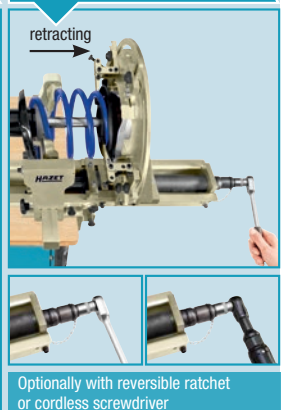
Swivelling



Optimum working height 1.30 m



Operating





Stationary Universal Spring Vice

Increased safety – thanks to load-free installation!

✓ **Can be used for almost any spring strut/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 plated impossible (no overload risk)
- Simple, lockable strut mount

✓ **High safety**

- Consistently reliable seating of head plates
- Thread damage to piston rod impossible
- Permanent fixation of spring throughout operation

✓ **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

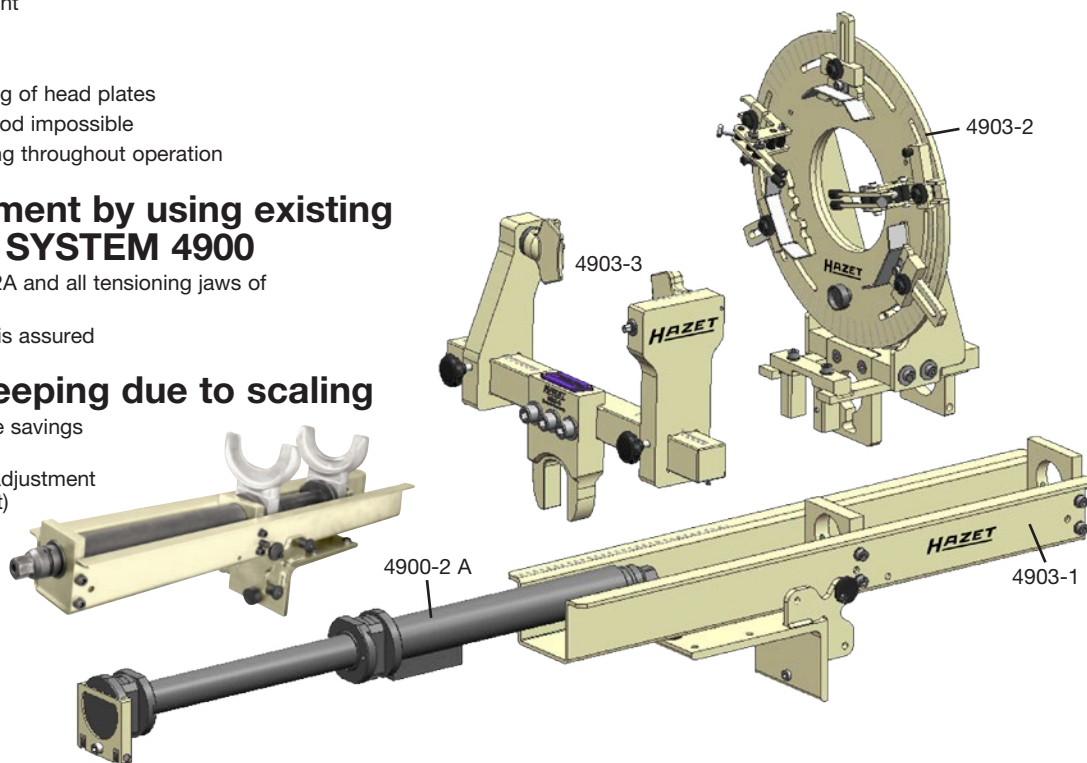
✓ **Allows record keeping due to scaling**

- If recurring, significant time savings due to scaling
- Firm fixation eliminates readjustment at the same strut (left/right)

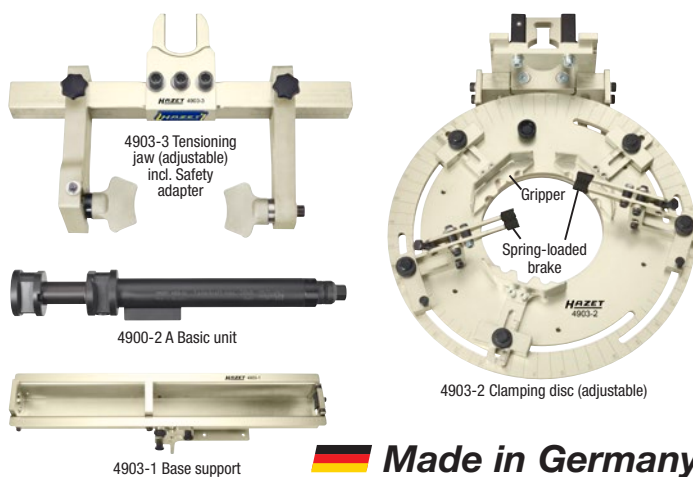
4 steps to success



1. Mount strut on clamping disc above gripper and spring-loaded brake
2. Grip spring with universal tensioning jaw
3. Compress clamps either with reversible ratchet or cordless screwdriver
4. Remove shock absorber load-free and install new one (then reverse order)



HAZET No.	EAN-No. 4000896+
Perfect basic equipment if the basic unit 4900-2 A already exists 4903-1	179824
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 Contents: 4900-2 A Safety spring vice basic unit 4903-1 Basic support 4903/2 A	180547
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 Contents: 4903-2 universal clamping disc (adjustable) 4903-3 universal tensioning jaw (adjustable), safety adapter included 4903/2	180530
The perfect choice if the safety spring vice basic unit 4900-2 A already exists Contents: 4903-1 Basic support 4903-2 clamping disc (adjustable) 4903-3 tensioning jaw (adjustable), safety adapter included 4903/3	180554
The perfect complete package Contents: 4900-2 A safety spring vice basic unit 4903-1 basic support 4903-2 clamping disc (adjustable) 4903-3 tensioning jaw (adjustable), safety adapter included 4903/4	180561



HAZET No.	EAN-No. 4000896+
Universal clamping disc, adjustable 4903-2	179831
Universal tensioning jaw (adjustable), safety adapter included 4903-3	179848
Safety Spring Vice Basic Unit 4900-2 A	077267
Replacement set for universal spring vice 4900-1 A consisting of 2 straight pins and 1 O-ring 4903-01/3	181704

Made in Germany

Tensioning Jaw

Application see classification table



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-10	059706
Plastic Insert	
4900-100	061136



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-11	059713
Plastic Insert	
4900-110	061143



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-12	059720
Plastic Insert	
4900-120	061150



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-13	059737
Plastic Insert	
4900-130	061167



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-14 A	064649

Tensioning Jaw

Application see classification table



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-15 A	121472



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-16	062164



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-17	062171



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-18	100378
Plastic Insert	
4900-180	074327



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-19	085842



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-22	062188

Tensioning Jaw

Application see classification table



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-23	062195

Plastic Insert

4900-230	061020
----------	--------

Plastic Insert

- Special insert in conjunction with HAZET tensioning jaws 4900-23 and safety spring vice 4900-2 A
- For the operation of the front axle springs on **BMW** since 2001
E65: 735i, 745i, 730d, 740d
E66: 7

4900-231	088959
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Made in Germany

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
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Made in Germany

HAZET No.	EAN-No. 4000896+
4900-25	121670

- For driver's cabin with steel springs **MERCEDES-BENZ** Actros (MP-1) since 1996, Atego since 1998



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-26	121687

- For driver's cabin with steel springs **MERCEDES-BENZ** Actros (MP-1) since 1996, Atego since 1998



Tensioning Jaw

Application see classification table



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-30	100514



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-31	138036
Plastic Insert	
4900-310	167715



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-33	138043



Made in Germany

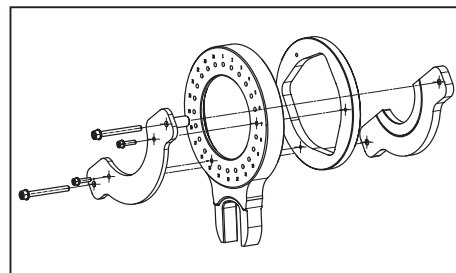
HAZET No.	EAN-No. 4000896+
4900-34	121731



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-35	121212

MERCEDES-BENZ Tensioning Jaw Set



Made in Germany

HAZET No.	EAN-No. 4000896+
4900-39/11	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
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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
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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
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Centring Insert for MERCEDES-BENZ, type 212 (E-Class) with sports chassis

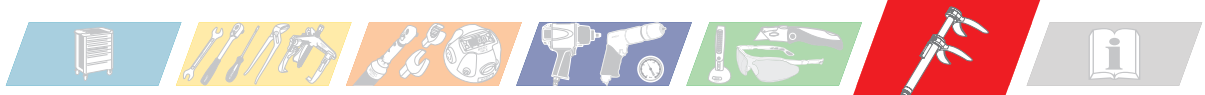
- To be used with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 as well as round tensioning jaw with brake 4900-39/11

4900-396	167753
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With brake

- 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)
- 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 - everything fits well - and your safety is guaranteed!



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 Spring Protection Inserts / Centring Inserts	Tensioning Jaws		Plastic Spring Protection 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	1996	4900-11 (2x)		*	*		*
A5	2007–	4900-12 (2x)		*	*		*
A6	1996	4900-11 (2x)		*	*		*
A8	1996	4900-11 (2x)		*	*		*
BMW							
1 (E87) **: 116i/118i/120i/118d/120d	2004–	4900-11 (2x)		4900-110 (2x)	4902/6		-
3 (E46) **	1998–	4900-22 24		4900-220 240	*		-
3 (E90) **: 320i/325i/330i/320d Limousine	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 (E39) **: 528i	1995–2000	4900-12 (2x)		4900-120 (2x)	*		*
5 (E60) **	2004–	4900-22 24		4900-220	*		*
7 (E38) **	1993–2000	4900-23 (2x)		4900-230 (2x)	*		*
7 (E65) **: 735i/745i/730d/740d	2001–	4900-23 (2x)		4900-231 (2x)	4900-19 (2x)		4900-190 (2x)
7 (E66) **: 735Li/745Li	2001–	4900-23 (2x)		4900-231 (2x)	4900-19 (2x)		4900-190 (2x)
E46, 318ti Compact	2001–	4900-12 (2x)					
Mini	2001	4900-11 (2x)			4900-10 11		
X3 (E83)	2006–	4900-31 33					
X5 (E70)	2006	4900-10 11		4900-100 110			
Z3 **	1996–	4900-12 (2x)		4900-120 (2x)	*		*
CHRYSLER							
300M (LH)	1998–2001	4900-12 (2x)		*	4900-11 (2x)		*
Jeep Wrangler (TJ)	1997–2006	4900-11 (2x)		*	*		*
Stratus (JA/JX)	1996–2001	4900-16 (2x)		*	*		*
Voyager (GS)	1996–2000	4900-13 (2x)		*	*		*



Specialty Tools – Chassis – Spring Vice/Shock Absorber











































Type	Model Year	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts
CITROËN							
Jumper	1997–2002	4900-13 (2x)		*	*		*
Nemo	2008	4900-11 (2x)			4900-11 (2x)		
DACIA							
Logan 1,6i	2005–	4900-11 (2x)		*	*		*
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	2010–	4900-11 (2x)			4900-10 (2x)		
Fusion	2005	4900-11 (2x)					
Ka	1996–2008	4900-11 (2x)			4900-10 (2x)		
Mondeo	1996–2000	4900-12 (2x)		*	4900-11 12		*
Mondeo	2000–2007	4900-12 (2x)			4900-11 (2x)		
Mondeo	2008	4900-12 (2x)					
S-Max	2006	4900-11 (2x)					
MERCEDES-BENZ							
A-Class Type 168	1997–2004	4900-15 A (2x)		*	4900-14 A (2x)		*
A-Class Type 169	2004–	4900-17 (2x)		*	4900-35 (2x)		*
Actros (MP-1) Commercial Vehicle	1996–	Special application: Driver's cabin 4900-25 26 55					
Atego Commercial Vehicle	1998–	Special application: Driver's cabin 4900-25 26 55					
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–	4900-39/11 17		4900-393			
E- Class Type 211/Type 219	2003–	4900-19 30		*	*		*
E-Class /Type 212	2009–	4900-39/11 31		4900-395 310			
E-Class 4MATIC /Type 210	1997–2002	4900-14 A (2x)		*	*		*































 Type	 Model Year	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts
MERCEDES-BENZ							
E-Class/Type 212 sports chassis	2009–	4900-39/11 17		4900-396			
GLK-Class/Type X204	2008–	4900-39/11 17		4900-394 120			
ML- Class Type 164	2005–	4900-35 (2x)		*	*		*
ML-Class/Type 163	1997–2005	*		*	4900-16 (2x)		*
SLK/Type 171	2004–	4900-18 34		4900-180	*		*
Vito, V-Class/Type 638	1996–2002	4900-17 (2x)		*	*		*
Vito/Viano Type 639	2003–	4900-23 (2x)		4900-230 (2x)	*		*
NISSAN							
Primera (P11)	1996–2002	4900-10 11		*	4900-10 (2x)		*
OPEL							
Astra F	1991–2000	4900-11 (2x)		*	*		*
Astra G	1998–2004	4900-11 (2x)		*	4900-11 (2x)		*
Astra H	2004–2010	4900-12 (2x)		*	*		*
Corsa B	1993–2000	4900-11 (2x)		*	*		*
Corsa C	2000–2006	4900-11 (2x)					
Corsa D	2006	4900-11 (2x)			4900-10		
Meriva	2010–	4900-11 (2x)					
Omega B	1997–2003	4900-12 (2x)		*	*		*
Tigra	1994–2001	4900-11 (2x)		*	4900-11 (2x)		*
Vectra B	1995–2002	4900-12 (2x)		*	*		*
Vectra C	2002–2008	4900-12 (2x)		*	*		*
Zafira	1999–2003	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)		*	*		*
Partners	1996–2003	4900-12 (2x)			4900-12 (2x)		
Partner	2006–	4900-12 (2x)					
PORSCHE							
911 Carrera RS (Type 993)	1995–	4900-16 (2x)		*	4900-14 A (2x)		*
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)		*


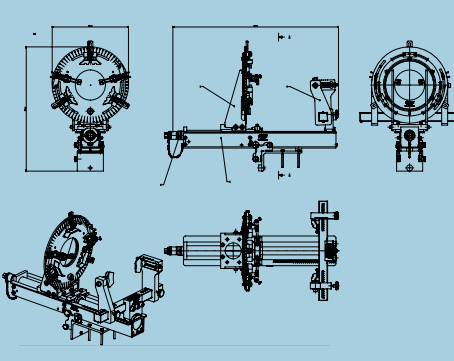





Specialty Tools – Chassis – Spring Vice/Shock Absorber


Ingenious Tools

 Type	 Model Year	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts
PORSCHE							
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	1996–2002	4900-12 (2x)		*	*		*
Megane	2008–	4900-12 (2x)					
Megane 2 1,9dci	2003–2008	4900-12 (2x)		4900-120 (2x)	*		*
Modus 1,5dci	2005–	4900-12 (2x)		*	*		*
Safrane B544	1996–2000	4900-11 12					
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)		*
Ibiza	2006	4900-11 (2x)					
Leon	2002	4900-11 (2x)		*	4900-10 (2x)		*
ŠKODA							
Fabia	2001	4900-11 (2x)		*	*		*
Oktavia	1996–2000	4900-11 (2x)		*	*		*
Roomster	2007	4900-11 (2x)			4900-11 (2x)		
Superb	2002	4900-11 (2x)		*	*		*
SMART							
fortwo	2009	4900-10 (2x)					
SUZUKI							
Ignis	2000–2003	4900-10 (2x)		*	*		*
Wagon R+	2000–2006	4900-10 (2x)		*	*		*
TOYOTA							
Corolla	1997–2002	*			4900-11 12		
Picnic	1996–2001	4900-11 (2x)			*		

 Type	 Model Year	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts	Tensioning Jaws		Plastic Spring Protection Inserts / Centring Inserts
VOLKSWAGEN							
Amarok	2010	4900-11 (2x)					
Caddy	2006	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)		
Passat 3C	2010 –	4900-11 (2x)			4900-10 (2x)		
Passat B4	1993 – 1997	4900-11 (2x)			4900-10 (2x)		
Passat B5	1996 – 2005	4900-11 (2x)					
Passat B6	2005 –	4900-11 (2x)					
Polo	2001 – 2009	4900-11 (2x)			4900-11 (2x)		
Polo 9N	2006	4900-11 (2x)					
Sharan	1995 – 2010	*			4900-12 (2x)		
Sharan	2010 –				4900-10 (2x)		
T5 (Transporter)	2003 –	4900-13 (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)		







Ingenious Tools

Stationary Universal Spring Vice
4903/4

 Made in Germany

Innovative Manufacturing Competence



Ingenious Tools

Specialty Tools – Chassis – Spring Vice/Shock Absorber

Inside Spring Vice Set



- Optimally suited to the limited spaces when installing and removing the **coil spring at the rear axle** of the following vehicles:

BMW – 1 Series E87 (since 2004): 116i, 118i, 118d, 120i, 120d, 130i
 – 3 Series E90 (since 2004): 320i; 320d; 325i; 330i lim.
 – 3 Series E91 (since 2005): 20; 325; 330 Touring

- 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

Made in Germany

HAZET No.	EAN-No. 4000896+
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- Set of 6 pieces** consisting of:
- inside spring vice 4902-1
 - tensioning jaw 4902-10
 - tensioning jaw 4902-11
 - tubular box wrench s 10 4902-210
 - tubular box wrench s 24 4902-224
 - reversible ratchet 4910-1

4902/6	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	
4910-1	062133



Chassis

Shock Absorber Tool Set



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 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

Set of 13 pieces in plastic case

Made in Germany

Contents:

4910-1
 4910-6 7 8
 4910-16 17 18 19 21 22 24
 4910-58 68

HAZET No.	EAN-No. 4000896+
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4910/13	061495
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344 x 188 x 56 mm



Reversible Ratchet



(E)

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 values

Made in Germany

HAZET No.	EAN-No. 4000896+
Reversible Ratchet 4910-1	062133

Retainer for Piston Rod



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 values

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
4910-6	94.5	6	062089
4910-7	94.5	7	062096
4910-8	94.5	8	062102



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 values

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
4910-58	94.5	5 x 8	062119
4910-68	94.5	6 x 8	062126

For **PORSCHE** Cayenne S, **VW**-Touareg, Touran, Sharan

4910-71	94.5	7.1 x 9.6	091195
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6-Point Socket



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 values

- drive ≤ 21 mm

6-Point Socket

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
4910-16	82	16	062010
4910-17	82	17	062027
4910-18	82	18	062034
4910-19	82	19	062041
4910-21	82	21	062058
4910-22	82	22	062065
4910-24	82	24	062072

Retainer for Piston Rod



For repair work at the spring strut e.g. shock absorber, spring strut bearing, coil spring

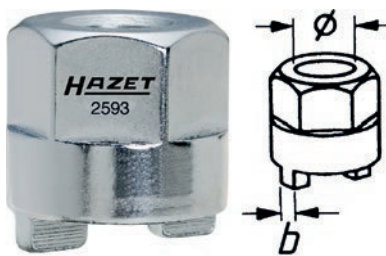
- For retaining the piston rod when removing and installing the spring strut

- **Caution:** Follow vehicle manufacturer's specifications concerning torque values

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
For OPEL Astra H, MERCEDES-BENZ C-Class (204), E-Class (212), E-Class Coupé (207)			
4910-T 50	122.5	T 50	120598

Shock Absorber Crown Wrench



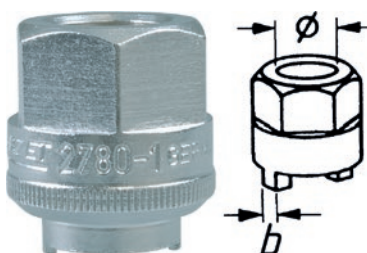
- For the operation of shock absorber screw connections on **VW**, **SEAT** and **AUDI** vehicles

- drive 22 mm, b = width of pins

- Surface: chrome-plated

Made in Germany

HAZET No.	mm	b mm	mm	EAN-No. 4000896+
For front axle				
2593-4	22	5	14.5	017263



- For the operation of shock absorber screw connections on **MERCEDES-BENZ** type 203 (C-Class since 2000)

- drive 22 mm, b = width of pins

- Surface: chrome-plated

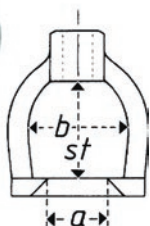
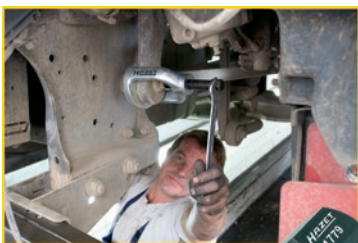
Made in Germany

HAZET No.	mm	b mm	EAN-No. 4000896+
2780-1	22	2.6	082858



Wheel Bearing/Wheel Hub

Ball Joint Puller



- For removing **ball joint pivots** of steering tie rods, stabilizers, etc.

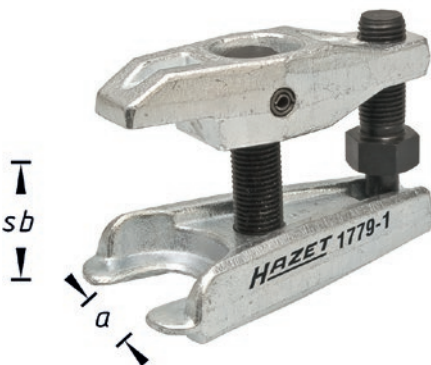
a = Jaw opening

- Surface: galvanized

Made in Germany

HAZET No.	b mm	a mm	st mm	EAN-No. 4000896+
1779-18	40	18	33	136001
1779-23	50	23	42	136018
1779-27	54	27	54	136025
1779-37	75	37	77	136032
E.g. for commercial vehicles MAN, MERCEDES-BENZ , etc.				
1779-55	77	55	80	136407

Universal Ball Joint Puller

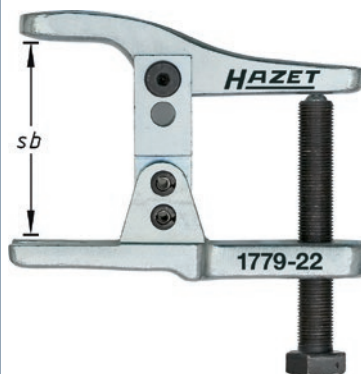


- For removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers, etc. on the most common vehicles
- Great clamping range due to continuous vertical adjustment and turn-over of the lower part

Made in Germany

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-1	23	65	135974

Ball Joint Puller



- 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

Made in Germany

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-22	20	50–80	141654

Universal Ball Joint Puller



- For removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers, etc. on the most common vehicles
- Sturdy execution and deep location groove enabling a safe and universal application e.g. for light commercial vehicles

Made in Germany

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-3	32	85	135998

Ball Joint Puller



- For removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers, etc. on heavy commercial vehicles
- Surface: galvanized, yellow passivated (free from Cr 6)
- For heavy commercial vehicles

Made in Germany

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-3	40	85	145454

Ball Joint Puller



- For removing **ball joint pivots** on vehicles with multi-link axle e.g. **AUDI A6 and A8, VW Passat, Golf**
- Surface: galvanized, yellow passivated (free from Cr 6)
- **Made in Germany**

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-4	30	65	145447

Ball Joint Puller



- For the safe removing of **ball joint pivots** and ball joints
- **Supported by hydraulic system**
- Surface: galvanized, yellow passivated (free from Cr 6)
- **Made in Germany**

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-5	30-34	70	145461
1790-6	36-40	85	145478

Universal Ball Joint Puller



- For removing the **ball joint pivots** of steering tie rods, stabilizers, etc. on the most common vehicles
- Jaw opening 20 mm
- Clamping range (*sb*) in 2 stages
stage 1: up to 30 mm
stage 2: up to 50 mm
- On **FORD, BMW, Volvo, TOYOTA, OPEL, VW, AUDI, RENAULT**
- **Made in Germany**

HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-7	20	12-50	148073

Removal and Assembly Fork



- Proven and economical system
- Easy application
- Wedge-shaped fork end allows fast removal of track rod and push rod ends, pitman arms and other parts of the steering
- Also suitable for removing shock absorbers and other separation work
- Application possible in confined spaces
- Sturdy forged design
- **Made in Germany**

HAZET No.	l ₁ mm	l ₂ mm	b mm	EAN-No. 4000896+
1780-18	80	340	18	133345
1780-23	80	340	23	133352
1780-29	90	350	29	133376

Chassis





Universal Wheel Hub Puller



- Sliding and interchangeable pulling hooks
- With 5 hooks
- Optional accessories: hydraulic spindle 1786 H-02
- Surface: galvanized

Made in Germany

HAZET No.	Max. tons	sb mm	Spindle	EAN-No. 4000896+
1781-5	10	115-225	G 3/4" x 200 mm	136049

Clamping Screw Ejector, 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

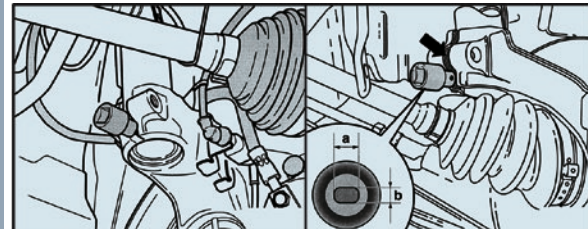
Made in Germany

Contents:

2594-1 2 4

HAZET No.	EAN-No. 4000896+
3 pieces	
2594-1/3	175284
Hexagon insert	
2594-1	174874
Extractor	
2594-2	174881
Guide sleeve	
2594-4	174980

Wheel Bearing Housing Tool



- Suitable for the spring strut and ball joint mounting (separating the spring strut from the wheel bearing housing)

• drive 12.5 = 1/2"

Made in Germany

HAZET No.	EAN-No. 4000896+
4912-1	156368

Application on e.g.
VW Fox since 2005, Polo since 2002, New Beetle, Golf from 1998 to 2004, Tiguan since 2008, Eos since 2006, Passat since 2006, Touran since 2003, Caddy since 2004, T5 since 2004

AUDI A2 since 2001, A3 since 2004, A4 years 2001 to 2008, A5 since 2008, A6 since 2008, TT since 2007

SEAT, ŠKODA

• 5,5 x 8 mm

4912-1 156368

Application on e.g.
RENAULT, PEUGEOT, CITROËN

• 5 x 7 mm

4912-2 155804

Tool Set for Camber Adjustment



Suitable for VW Golf, Jetta, SEAT Toledo, etc.

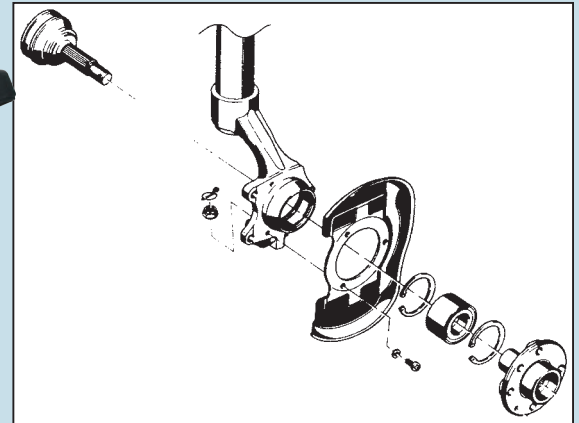
- Enables camber adjustment by one person only
- Tool significantly reduces the time required for the operation
- Sturdy 6-point spindle with s 22 mm for easy application
- Span: 135 up to 175 mm

HAZET No.	EAN-No. 4000896+
4912-3/2	166596

Wheel Bearing Tool

Modular System in Assortment Case

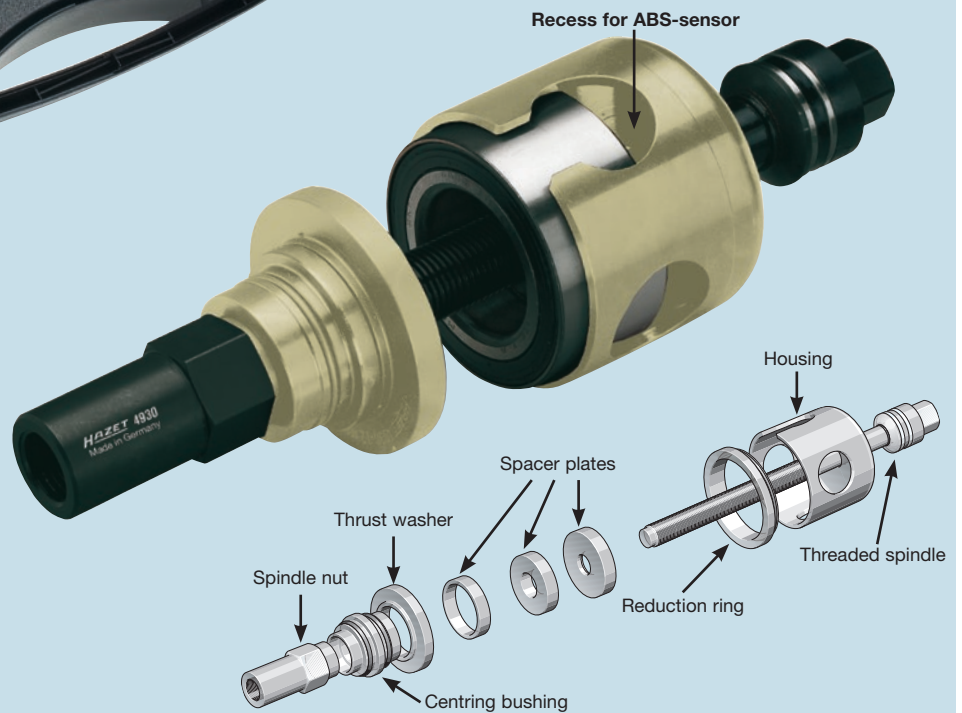
✓  **Made in Germany**



Including operating instructions with 3-dimensional illustrations



Soft foam insert



O-ring-clamping developed by HAZET retains the thrust washer on the centering bushing when installing and removing the wheel bearing.



Higher axial forces in spite of lower application of force (due to high capacity threaded spindle with special trapezoidal fine thread in conjunction with the axial cylinder roller bearing)

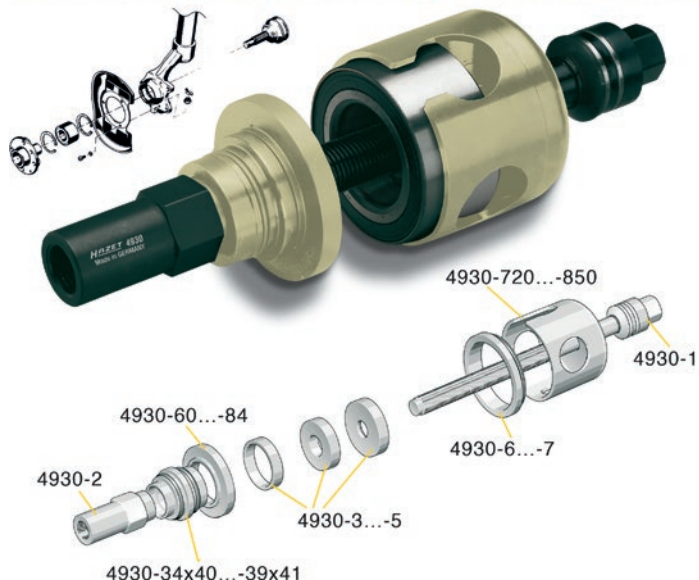


Optimal centering when **inserting** the wheel hub into the new wheel bearing

- For installing and removing wheel bearings as well as for installing wheel hubs
- Change of **built-in** wheel bearings
- Removing the strut unit as well as (front) camber adjustment are not necessary:
 - time-saving (approx. 30 min)
 - money-saving repair for the workshop customer
- Vehicles with **Anti-Lock Braking System (ABS)**
 - Due to the recess at the housing removal of the ABS sensor is not necessary
 - No risk of damaging the ABS sensor
 - Money and time-saving
- Centering aid due to calotte (spherical recess) at the housing



Wheel Bearing Tool



- For the **replacement of built-in wheel bearings**
– removing of strut unit as well as camber adjustment are not necessary –

Made in Germany

HAZET No.	EAN-No. 4000896+
Threaded spindle TR20 x 2 incl. thrust bearing, 6-point drive s 22 max. capacity 12 tons	
4930-1	080755
Spindle nut s 30	
4930-2	080762
Spacer plate	
4930-3	081158
4930-4	081141
4930-5	082834
Reduction ring 4930-6 for VW Polo C and PEUGEOT 106 in conjunction with housing 4930-720	
4930-6	083633
In conjunction with housing 4930-850	
4930-7	083640
Inside Ø 45 mm in conjunction with 4930-8245	
4930-8	097890
Centering plate for installing new wheel bearing on AUDI A4, A6	
4930-9	121465
Centering bushing	
4930-34 x 40	081042
4930-35 x 40	081066
4930-35 x 42	081035
4930-37 x 45	081073
4930-39 x 41	081028
4930-43 x 45	097739
Thrust washer outside Ø 60 mm	
4930-60	081011
Thrust washer outside Ø 62 mm	
4930-62	080854
Thrust washer outside Ø 64 mm	
4930-64	080939

Wheel Bearing Tool



HAZET No.	EAN-No. 4000896+
Thrust washer outside Ø 66 mm	
4930-66	080946
Thrust washer outside Ø 68 mm	
4930-68	080953
Thrust washer outside Ø 72 mm	
4930-72	080960
Thrust washer outside Ø 74 mm	
4930-74	080977
Thrust washer outside Ø 80 mm	
4930-80	081004
Thrust washer outside Ø 82 mm	
4930-82	080991
In conjunction with 4930-8	
4930-8245	097746
Outside Ø 84 mm	
4930-84	081448
Housing, 72 mm Ø	
4930-720	081080
Housing, 82 mm Ø	
4930-820	081097
Housing, 85 mm Ø	
4930-850	082179

Wheel Bearing Extractor Set



- For **installing and removing wheel bearings** as well as for **installing wheel hubs**
- Change of **built-in wheel bearings**
- Removing the strut unit as well as (front) camber adjustment are not necessary
- Vehicles with **Anti-Lock Braking System (ABS)**
– due to the recess at the housing removal of the ABS sensor is not necessary
– no risk of damaging the ABS sensor
- Centering aid due to calotte (spherical recess) at the housing
- High-quality threaded spindle with high capacity
- In tool case (expandable)
- Detailed operating instructions

Made in Germany

HAZET No.	EAN-No. 4000896+
16 pieces for VW/AUDI, OPEL, FORD	
Contents:	
4930-1 2 3 4 5	
4930-34 x 40 35 x 40 39 x 41	
4930-62 64 66 68 72 74	
4930-720 820	
4930-1/16	121328

Wheel Bearing Extractor Set



- 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

22 pieces, contents:

- Threaded spindle 4930-1 TR20 x 2 incl. thrust bearing, 6-point drive s 22, capacity max. 12 tons
- Spindle nut s 30 4930-2
- Spacer plates 4930-3 4 5
- Reduction ring 4930-7
- Housing 4930-721 821 851
- Centring bushing 4930-34 x 40 39 x 41 35 x 42 37 x 45
- Thrust washer 4930-62 64 66 68 72 74 80 82 84

Made in Germany

HAZET No.	EAN-No. 4000896+
4930-1/22	164776

Hollow Piston Cylinder



Compact hydraulic cylinder with a capacity of 17 tons

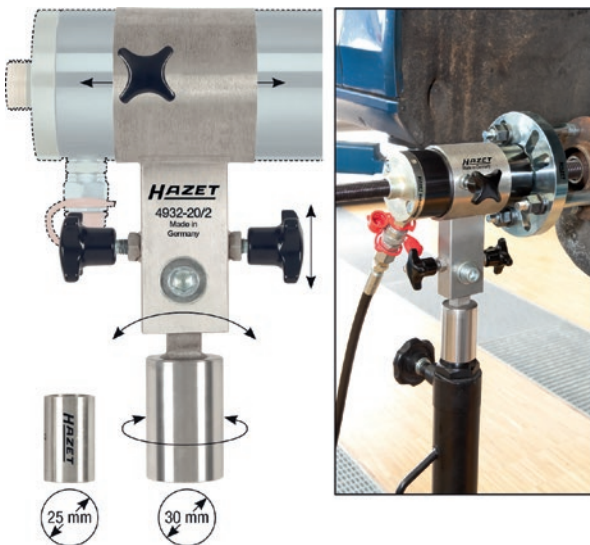
- Working pressure: max. 700 bar
- With spring reset
- For threaded spindle 4932-TR20 and nut 4930-2
- Traction side: M27 x 2, alternatively M42 x 2, using the optional adapter
- Pressure side: 2-1/4" – 14 UNS inside thread: TR 20, alternatively M20, using the optional adapter
- Stroke: 45 mm
- Outside diameter: 80 mm
- Cylinder height – retracted: 206 mm/extended: 251 mm
- With coupling, protective cover and adapter 4932-M 20
- 5.5 kg

Hollow Piston Cylinder

Made in Germany

HAZET No.	EAN-No. 4000896+
4932-17	159741
Threaded spindle with steel cable TR 20 (for hollow piston cylinder 4932-17 and nut 4930-2)	
4932-TR 20	159765
Hydraulic pressure plate for 4934-2572/12, -2562/6, -2566/6 using 4932-17	
4934-10	159932
Hydraulic pressure plate for 4934-2585/12 using 4932-17	
4934-8510	159628
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
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

Support for Hollow Piston Cylinder 4932-17



Perfect handling of the Hollow Piston Cylinder and specialty tools on the vehicle

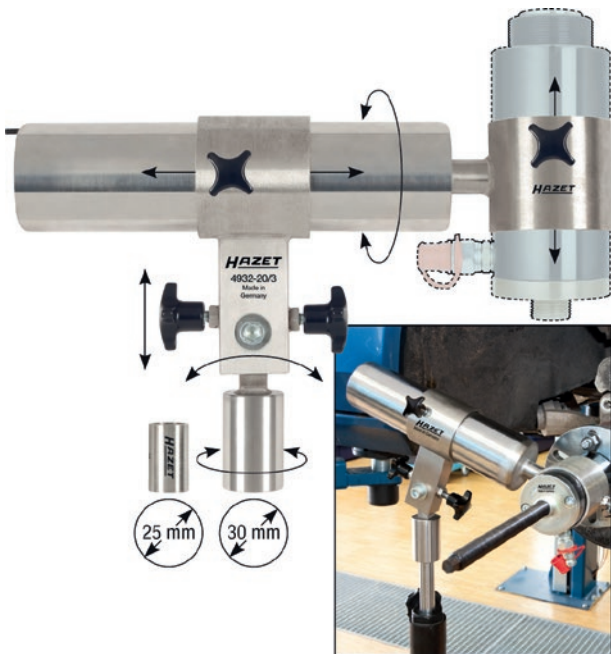
- Support for hollow piston cylinder 4932-17 (with an outside diameter of 80 mm), including the specialty tool in use, enables exact positioning of the cylinder to the vehicle
- Suitable for any standard elevator that support the exact positioning

Made in Germany

HAZET No.	EAN-No. 4000896+
4932-20/2	167999



Support for Hollow Piston Cylinder 4932-17



Perfect handling of the Hollow Piston Cylinder and specialty tools on the vehicle

- Support for hollow piston cylinder 4932-17 (with an outside diameter of 80 mm), including the specialty tool in use, enables exact positioning of the cylinder to the vehicle
- Suitable for any standard elevator that support the exact positioning

Made in Germany

HAZET No.	EAN-No. 4000896+
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Like 4932-20/2, but additionally equipped with optional extension

- Application of the extension increases flexibility of movement to 6 axis and simplifies the exact positioning

4932-20/3	167951
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Hydraulic Two-Stage Foot Pump, mechanical



Two-stage pressurization

- With manometer and 1.8 m hydraulic hose with coupling
- Maximum working pressure (bar): 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: 1300cm³
- Useful capacity: 900cm³
- Dimensions: 462 x 160 x 161 mm

Made in Germany

HAZET No.	EAN-No. 4000896+
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4932 N-100	187195
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Air-Hydraulic Pump



- With manometer and 1.8 m hydraulic hose with coupling
- Max. working pressure: 700 bar
- Air inlet thread: 12.91 mm (1/2")
- 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+
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4932 N-110	187393
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Inner Bearing Extractor Set



For extracting the inner bearing rings that remain on the wheel hub when removing the wheel bearing

- Increased torque allows firm chuck tightening. Preventing from slipping-off the bearing ring
- Also suitable for types with ABS-housing
- Esp. suitable for inner bearing rings that rest against the wheel hub
- Suitable 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
- Clearly arranged in high-quality plastic case with soft foam insert
- Incl. detailed illustrated operating instructions

Made in Germany

HAZET No.	EAN-No. 4000896+
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4931-1/8	155538
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HAZET – Compact Wheel Hub / Wheel Bearing 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 spindle 4930-1 and spindle nut 4930-2
- ✓ Favourable introductory set for wheel bearings with a Ø of 72 mm
- ✓ Perfect supplementary sets for Ø 62 mm and Ø 66 mm
- ✓ Special set for units with a Ø of 85 mm completes the programme



Basic Working Equipment:

e.g. from the sets 4930-1/16 to -29/13 or 4934-25/14

Spindle 4930-1

Spindle nut 4930-2



Suggestion on how to put a set together from professionals for professionals:

- | | | |
|---------------|---------------------------------|-----------|
| 4934-2572/12 | – Introductory Set | (Ø 72 mm) |
| + 4934-2562/6 | – Supplementary Set | (Ø 62 mm) |
| + 4934-6604/3 | – Thrust rings for removal | (Ø 66 mm) |
| + 4934-6605/3 | – Thrust rings for installation | (Ø 66 mm) |

= Perfect equipment

Single parts available – please contact your HAZET partner!






Specialty Tools – Chassis – Wheel Bearing/Wheel Hub

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
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 TCDCi	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
SKODA						
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



 Type	 Year of bearing installation	Note	Position	 Bearing	HAZET Wheel Bearing Tool Set	NTN-SNR Reference
SKODA						
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 Anti-Lock Braking System (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 i/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 i/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



Compact Wheel Hub/Wheel Bearing Tool Set



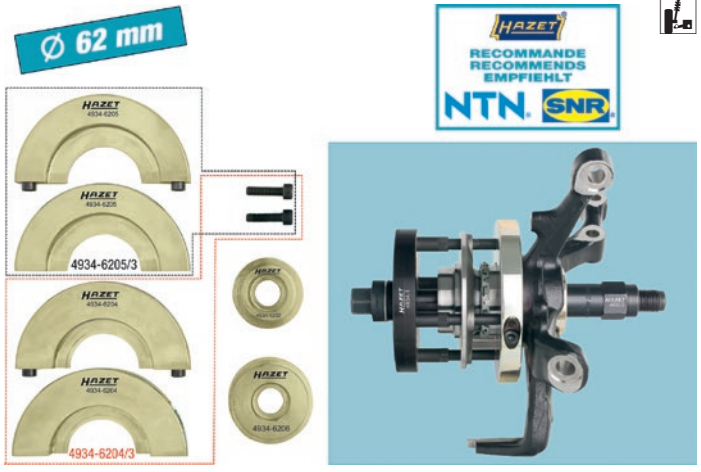
For installing and removing the wheel hub/wheel bearings of built-in parts
HAZET recommends NTN-SNR wheel bearings
Made in Germany

HAZET No.	EAN-No. 4000896+
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Introductory Set (72 mm Ø)
Basic requirements: threaded spindle 4930-1, spindle nut 4930-2
Application:
Vehicles with a Ø 72 mm wheel bearing:
AUDI A1 since 2011, A2 since 2000, **ŠKODA** Fabia since 2000, **VW** Polo since 2002, Fox since 2005, **SEAT** Ibiza since 2002

- Including operating instructions with 3-dimensional illustrations
- **Set with 12 pieces in plastic case**
- Foam insert with empty compartments for additional tool storage
- 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	150410
Components (removal) back-up ring 4934-4, 2 cylinder screws 4934-4/3	149629
Components (installation) back-up ring 4934-5, 2 cylinder screws 4934-5/3	150335



For installing and removing the wheel hub/wheel bearings of built-in parts
HAZET recommends NTN-SNR wheel bearings
Made in Germany

HAZET No.	EAN-No. 4000896+
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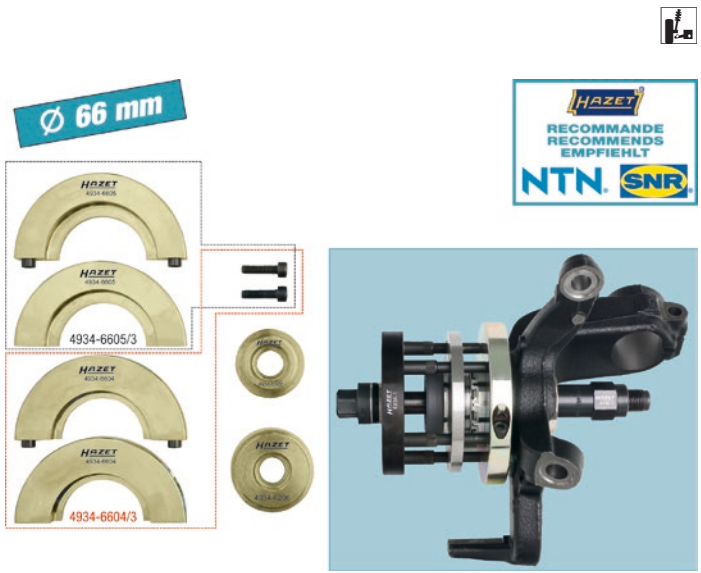
Supplementary Set (62 mm Ø)
Application:
Vehicles with a Ø 62 mm wheel bearing:
VW Lupo, **AUDI** A2 1.2 I
(Basic requirements: threaded spindle 4930-1, spindle nut 4930-2, as well as set 4934-2572/12)

- **Set with 6 pieces, contents:**
pressure plate 4934-6202, pressure plate 4934-6206, back-up ring 4934-6204, back-up ring 4934-6205, 2 cylinder screws

4934-2562/6	150403
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Compact Wheel Hub/Wheel Bearing Tool Set

HAZET No.	EAN-No. 4000896+
Components (removal) back-up ring 4934-6204, 2 cylinder screws 4934-6204/3	150366
Components (installation) back-up ring 4934-6205, 2 cylinder screws 4934-6205/3	150373



For installing and removing the wheel hub/wheel bearings of built-in parts
HAZET recommends NTN-SNR wheel bearings
Made in Germany

HAZET No.	EAN-No. 4000896+
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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

- **Set with 6 pieces, contents:**
pressure plate 4934-6202, pressure plate 4934-6206, back-up ring 4934-6604, back-up ring 4934-6605, 2 cylinder screws

4934-2566/6	150427
Components (removal) back-up ring 4934-6604, 2 cylinder screws 4934-6604/3	150359
Components (installation) back-up ring 4934-6605, 2 cylinder screws 4934-6605/3	150342



Continuation see next page ▶

Compact Wheel Hub/Wheel Bearing Tool Set

For installing and removing the wheel hub/wheel bearings of built-in parts

HAZET recommends NTN-SNR wheel bearings

Made in Germany

HAZET No.	EAN-No. 4000896+
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Special Set (85 mm Ø)

Application:

Vehicles with a Ø 85 mm wheel bearing:

VW T5 (front and rear axle – rear axle only in conjunction with 4934-8507) and Touareg with 16 inch chassis

Basic requirements: threaded spindle 4930-1, spindle nut 4930-2

• Including operating instructions with 3-dimensional illustrations

• **Set with 12 pieces** in plastic case

• Foam insert with empty compartments for additional tool storage

• 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	150434
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Components (removal)

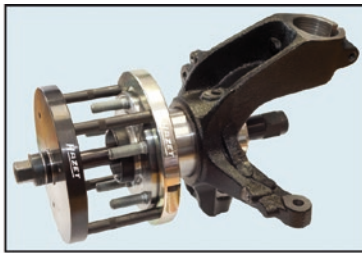
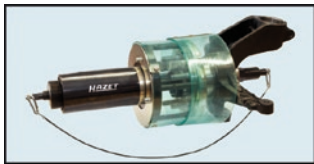
back-up ring 4934-8504, 2 cylinder screws

4934-8504/3	150397
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Components (installation)

back-up ring 4934-8505, 2 cylinder screws

4934-8505/3	150380
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For installing and removing the wheel hub bearing unit with stud bolts of built-in parts

• Special Tool Set Ø 78 mm bearing unit with stud bolts for:

FORD Focus 2 since 2004, Focus C-Max model years 2003–2007 as well as C-Max since 2007

Volvo C30 since 2006, C70 2 Cabriolet since 2006, S40 since 2004, V50 since 2004

MAZDA 3 (BK) 1.4i 1.6i, 2.0i 1.6DI Turbo since 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 4932-100 and Protective Cover 4934-7

Contents:

4934-7801 pressure plate

4934-7802 thrust washer

4934-7804 back-up ring

4934-7805 back-up ring

4934-7806 thrust washer

4934-8503 4 forcing bolt

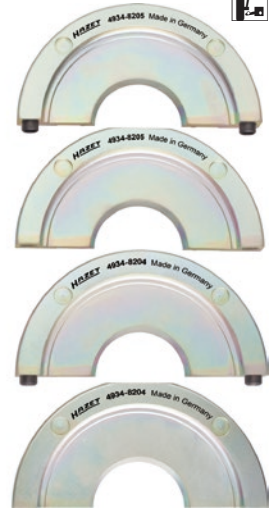
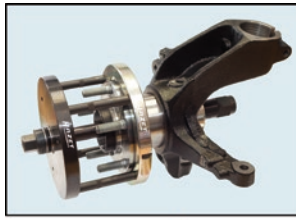
2 cylinder screws

Made in Germany

HAZET No.	EAN-No. 4000896+
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4934-3478/11	166350
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Compact Wheel Hub/Wheel Bearing Tool Set



For installing and removing the wheel hub bearing unit with stud bolts of built-in parts

• Special Set Ø 82 mm bearing unit with stud bolts for:

FORD Mondeo 4, year 2007; Focus 2 2.5 RS as well as 2.5 RS 500 since 2007

HAZET recommends NTN-SNR wheel bearings

• Basic set 4934-3478/11

• Mechanical operation with HAZET Threaded Spindle 4930-1, Spindle Nut 4930-2, Pressure Plate 4934-7801 as well as 5 pieces Forcing Bolts 4934-8503

6 pieces, contents:

• Thrust washer 4934-8202 (removal)

• Back-up ring 4934-8204 (removal)

• Back-up ring 4934-8205 (installation)

• Thrust washer 4934-8206 (installation)

• 2 cylinder screws

Made in Germany

HAZET No.	EAN-No. 4000896+
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4934-3482/6	174966
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Protective Cover



• Serves as crush protection during hydraulic operation of the HAZET Specialty Tools 4934

• Consists of a mounting ring and plastic cover, 3 fixing screws and one additional cover

Made in Germany

HAZET No.	EAN-No. 4000896+
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4934-7	164783
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Adapter Ring VW T5



• To supplement the compact wheel hub/wheel bearing tool set 4934-2585/12

• Especially to be used together with pressure plate 4934-8506

• For installing the wheel hub/wheel bearings at the **VW rear axle T5**

Made in Germany

HAZET No.	EAN-No. 4000896+
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4934-8507	154913
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Specialty Tools – Chassis – Wheel Bearing/Wheel Hub

Wheel Hub / Cardan Shaft Extractor Set



- For the removal of cardan shafts using the threaded spindle HAZET 4935-44-M 20
- When using the HAZET Hollow Piston Cylinder 4932-17 even tight and stuck cardan shafts will not cause any problems
- Suitable for: **ALFA ROMEO, AUDI, BMW, CITRÖEN, FIAT, LADA, LANCIA, MERCEDES-BENZ, OPEL, PEUGEOT, RENAULT, SAAB, SEAT, VW** etc.

Made in Germany

Contents:

4935-40-M 12 4935-41-M 14
4935-44-M 20 4935-45-M 14
4935-42 4935-43

HAZET No.	EAN-No. 4000896+
4935-2/15	164479
Tension bolt M12 x 1.5	
4935-40-M12	166749
Tension bolt M14 x 1.5	
4935-41-M14	166732
Bolt Circle Plate Ø 160 mm, for bolt circles with a Ø of 90 up to 130 mm	
4935-42	166657
Adapter 2 1/4"-14UNS	
4935-43	166664
Threaded spindle 230 mm long	
4935-44-M 20	165629
Hexagon Collar Nut M14	
4935-45-M14	165612

Sliding Hammer



- For extracting 4-, 5- and 6-hole wheel hubs, full-floating axles, brake discs, brake drums etc, to be used with HAZET Cardan Shaft Extractor Set 4935-2/15 or the HAZET Adapter Plate 4935-42
- Striking weight 4.8 kg

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1969-16/2	690	164462

Wheel Hub Grinder



For optimal cleaning of wheel hubs and brake discs

- Prevents the falsification of the wheel bolt tightening torque originated by corrosion
- For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding pad reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop back for quick changing of grinding wheels

HAZET No.	EAN-No. 4000896+
4960-160/4	132287

- 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

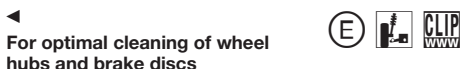
12 pieces, contents:

1 base component made of aluminium
6 grinding wheels, diameter: 50 mm
5 grinding wheels, diameter: 40 mm

4960 N-45/12	186860
5 spare grinding wheels (small) Ø 40 mm	
4960 N-40/5	187232
5 spare grinding wheels (small) Ø 50 mm	
4960 N-50/5	187126



Wheel Hub Grinder



For optimal cleaning of wheel hubs and brake discs

- Prevents the falsification of the wheel bolt tightening torque originated by corrosion
- For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding pad reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop back for quick changing of grinding wheels
- 10 mm 3-point pin, e.g. for the use in (air) drills

HAZET No.	Ø mm	EAN-No. 4000896+
4960-160/4	160	132287

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 Ø on passenger cars and vans
- Wear-resistant: approx. 100 vehicles per wheel
- Rotation speed: Max. 1,500 rpm

Set with 4 pieces

Contents: 1 grinding pad, 3 grinding wheels Ø 160 mm

4960-160/4	160	132287
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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

Set with 3 pieces

Contents: 1 grinding pad, 2 grinding wheels Ø 200 mm

4960-200/3	200	143290
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3 spare grinding wheels, Ø 160 mm

4960-0160/3	160	132263
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2 spare grinding wheels, Ø 200 mm

4960-0200/2	200	143306
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For optimal cleaning of wheel hubs and brake discs

- Prevents the falsification of the wheel bolt tightening torque originated by corrosion
- For optimal cleaning of wheel hubs and brake discs
- Open-pored abrasive material and cup-formed grinding pad reduce the formation of dust to a minimum
- No formation of sparks
- Hook and loop back for quick changing of grinding wheels

HAZET No.	EAN-No. 4000896+
4961 N-23/12	186754

- 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 pieces, contents:
1 base component made of aluminium
5 grinding wheels for moderate soiling
6 grinding wheels for heavy soiling

4961 N-23/12	186754
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5 spare grinding wheels for **moderate** soiling, outside Ø 56 mm, Innen Ø max. 23 mm

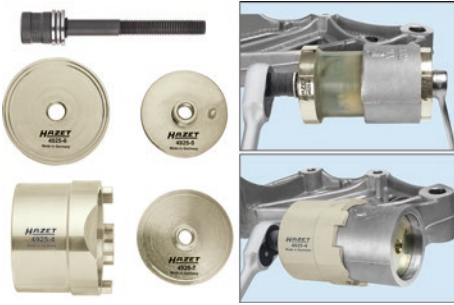
4961 N-023 M/5	187270
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5 spare grinding wheels for **heavy** soiling, outside Ø 56 mm, inside Ø max. 23 mm

4961 N-023 S/5	187287
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Silent Block

Tool Set for Silent Blocks



For VW, AUDI, SEAT, ŠKODA

- Extraction and insertion pressure plate, housing
- For extracting and inserting the silent blocks located in the console of the transverse control arm at the front axle
- Enables working on built-in components
- Tool set avoids wheel alignment

VW Polo 9N model years 2002–2009, Fox since 2005

AUDI A2 model years 2000–2005

ŠKODA Fabia model years 2000–2004

SEAT Ibiza, Altea, Córdoba model years 2003–2005

5 pieces, contents:

- 4925-4 housing
- 4925-5 extraction pressure plate
- 4925-6 insertion pressure plate
- 4925-7 insertion centring plate
- 4925-8 A spindle

Made in Germany

HAZET No.	l	EAN-No. 4000896+
4925-2501/5		159406



- Suitable for silent blocks with a \varnothing of 56 mm on VW Golf III rear axle
- May also be used with the Hollow Piston Cylinder HAZET 4932-17 for tight silent blocks
- Set of 6 pieces

Made in Germany

HAZET No.	l	EAN-No. 4000896+
4925-10/6		164509

Supplementary set for hydraulic operation, for installation 4925-2504/9



- Suitable for the hydraulic installation of rubber-plastic bearings or rubber-metal bearings at the rear axle VW Golf 4
- May be used with HAZET 4932-17 and 4925-27/3 for tight silent blocks

Made in Germany

Contents: 4925-28 30

HAZET No.	l	EAN-No. 4000896+
4925-2504/2		168026

Tool Set for Silent Blocks



Suitable 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 since 1997, SEAT Leon, Toledo since 2001
- Mechanical operation with spindle set 4929-1/3
- May also be used with the hollow piston cylinder HAZET 4932-17 for tight silent blocks

Set of 9 pieces

Made in Germany

Contents:

- 4925-20 21 22 23 24 25 26 31
- 4930-821

HAZET No.	l	EAN-No. 4000896+
4925-2504/9		168019

Hydraulic Expansion Set



For the operation of the Tool Set for Silent Blocks 4925-2505/9 with the Hollow Piston Cylinder 4932-17

Contents:

- Adapter for Hollow Piston Cylinder HAZET 4932-17
- Spindle 4925-18 M14x1.5, max. capacity 9 to.
- Spindle nut

Made in Germany

HAZET No.	l	EAN-No. 4000896+
4925-2505/3	422	167937

Tool Set for Silent Blocks



Tool Set for Silent Blocks

For VW T5 Transporter

- For extracting and inserting silent block bushings on VW T5 rear axle
- Mechanical drive with enclosed spindle
- Set of 9 pieces: centring plate with spring, 2 x thrust washer, adapter ring, washer, spindle with nuts 4925-14 TR 14 x 2, housing

Made in Germany

HAZET No.	l	EAN-No. 4000896+
4925-2505/9	259	167920



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 steering tie rod and the upper transverse control arm, when removed from the vehicle

- Optional spindle set 4929-1/3
- Mechanical operation with spindle set 4929-1/3
- For installation and removal of silent blocks at the rear axle on:
 - VW: Golf 5 Plus/Variant/4Motion model years 2005–2012, Jetta/Syncro model years 2006–2012, Scirocco model years 2009–2012, Beetle model year 2012, Eos model years 2006–2012
 - SEAT: Altea model years 2004–2012, Leon model years 2006–2012, Toledo model years 2005–2009
 - AUDI: A3/S3 model years 2004–2012, TT/TTS Coupe/Roadster model years 2007–2012

16 pieces

16 pieces

Made in Germany

Contents:

- 4925-26 31 32 33 34 35 36 37
- 38 39 40 41 42 43 44

4930-721

HAZET No.	l	EAN-No. 4000896+
4925-2506/16		175246

Spindle set for hydraulic operation



For tool set for silent blocks 4925-2504/9 and supplementary set 4925-2504/2

- Suitable for the hydraulic installation and removal of rubber-plastic bearings and rubber-metal bearings at the rear axle VW Golf 4, ŠKODA Octavia since 1997, SEAT Leon, Toledo since 2001
- May be used with HAZET 4932-17 and 4925-2504/2 for tight silent blocks
- Spindle M 12 x 1.5, max. capacity 5 tons

Set of 3 pieces

Made in Germany

Contents:

- 4925-27 29 (2x)

HAZET No.	l	EAN-No. 4000896+
4925-27/3	422	168002



Specialty Tools – Chassis – Silent Block

Spindle Set



Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4929-1/3	225	156900

Tool Set for Silent Blocks



- To be used together with 4929-1/3
- Surface: galvanized, yellow passivated (free from Cr 6)

Made in Germany

HAZET No.	EAN-No. 4000896+
4929-2901/4	156825



- To be used together with 4929-1/3
- Surface: galvanized, yellow passivated (free from Cr 6)

Made in Germany

HAZET No.	EAN-No. 4000896+
4929-2902/3	156795

Tool Set for Silent Blocks



- To be used together with 4929-1/3
- Surface: galvanized, yellow passivated (free from Cr 6)

Made in Germany

HAZET No.	EAN-No. 4000896+
4929-2903/2	156801



- To be used together with 4929-1/3
- Surface: galvanized, yellow passivated (free from Cr 6)

Made in Germany

HAZET No.	EAN-No. 4000896+
4929-2904/4	156788

Tool Set for Silent Blocks



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, **MAZDA** 5 (CR19) 1.8 2.0 (CW) 2.0

For use with press frame set 4926-2/3 and HAZET hollow piston cylinder 4932-17 with adapter 4932-M°20
 4 pieces, Contents:
 4925-3401 housing (removal)
 4925-3402 pressure sleeve (removal)
 4925-3403 holding sleeve (installation)
 4925-3404 pressure sleeve (installation)

HAZET No.	EAN-No. 4000896+
4925-3401/4	180417

Tool Set for Silent Blocks



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,
MAZDA 5 (CR19) 1.8 2.0 (CW) 2.0

For use with e. g. HAZET hollow piston cylinder 4932-17 and adapter 4932-M 20

7 pieces, Contents:

4925-3401/4 silent block tool Set, 4 pieces
 4926-2/3 press frame set, 3 pieces

HAZET No.	EAN-No. 4000896+
4925-3401/7	180400

Universal Tool Set for Silent Blocks and Joint Bearings



- For the professional installation and removal of silent blocks and joint bearing with a \varnothing of 40–71 mm, mechanical drive with enclosed spindles (from inside bore \varnothing of min. 10 mm on)
- 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.

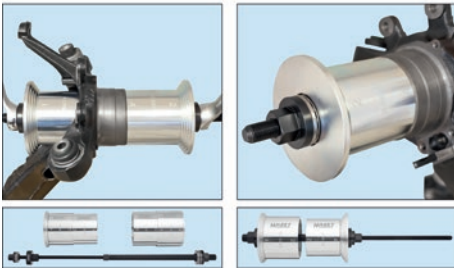
19 pieces, contents:

- 2 Receiving adapters
- Feed shaft 4926-23M10 (max. capacity 5 tons) M 10 x 1.25 with nuts
- Feed shaft 4926-24M14 (max. capacity 9 tons) M 14 with nuts
- Pressure sleeves, short: \varnothing 40, \varnothing 50, \varnothing 58, \varnothing 66, \varnothing 70, \varnothing 80 mm
- Pressure sleeves, long: \varnothing 50, \varnothing 60, \varnothing 68, \varnothing 76, \varnothing 80 mm

Made in Germany

HAZET No.	EAN-No. 4000896+
4926-1/19	164493

Universal Pressure Sleeve Set



- For extracting and inserting silent blocks, hydraulic mounts, ball bearings, rubber mountings as well as bushings, shaft seals etc.
- Optimal for various vehicles, e.g. vans, off-road and commercial vehicles
- Pressure sleeves from 74 up to 112 mm Ø
- **Set of 36 pieces**

HAZET No.	EAN-No. 4000896+
4926-1/36	161058

Press frame

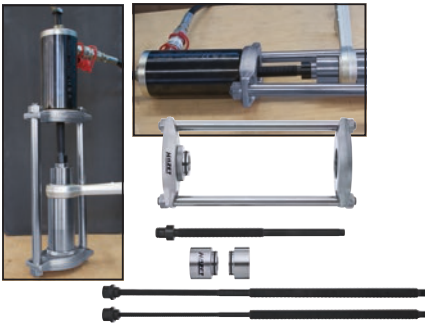


For use with tool set for silent blocks HAZET 4925-3401/4 and HAZET hollow piston cylinder 4932-17 with adapter 4932-M 20
3 pieces, contents:
4926-1 press frame with adapter 4926-6
4926-2-M 20 pressure spindle
4926-3 adapter

Made in Germany

HAZET No.	EAN-No. 4000896+
4926-2/3	180301

Press Frame for the Universal Tool Set for Silent Blocks and Joint Bearings

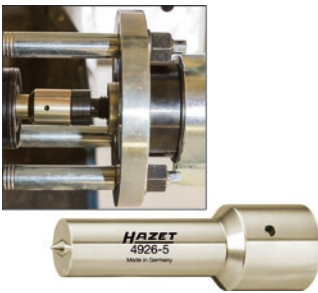


- **Expansion set, 6 pieces**, for the hydraulic operation of the universal tool set for silent blocks and joint bearings 4926-1/19 together with HAZET hollow piston cylinder 4932-17
- For installation and removal of silent block bushings etc. in ball joints

Made in Germany

HAZET No.	EAN-No. 4000896+
4926-2/6	164486

Thrust Block for Cardan Shaft



- Surface: galvanized, yellow 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

Made in Germany

HAZET No.	EAN-No. 4000896+
4926-5	181162

Traction Device for Joint Bearing



For installation and removal of joint bearing at wheel bearing housing or at the rear axle without removing wheel bearing housing

E.g. for **MERCEDES-BENZ** models 124, 201, 202, 203, 204, 208, 209, 210, 211, 212, 140
Traction Device for Joint Bearings consists of:
4925-14 spindle TR 14 x 2
4925-11 spindle nut TR 14 x 2,
4927-2701 housing (removal and installation)
4927-2702 pressure sleeve (removal and installation)
Spindle 4925-14 and spindle nut 4925-11 from tool set for silent blocks 4925-2505/9

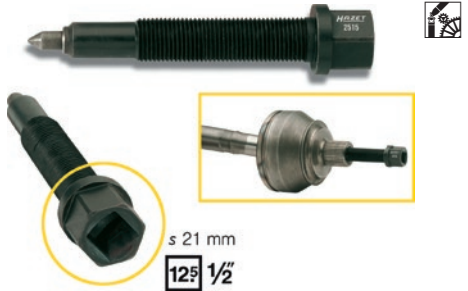
Contents:

- 4925-11 14
- 4927-2701 2702

HAZET No.	EAN-No. 4000896+
4927-2701/4	180752

Cardan Shafts

Forcing Screw



- For separating by force the outer homocinetic joint of the axle drive shaft on **VW, AUDI, SEAT** or **ŠKODA**, e.g. when replacing axle boots
- Quick and problem-free working even on pasted homocinetic joints
- The outside hexagon $s \approx 21$ mm as well as the inside square $12.5 = \frac{1}{2}''$ allow flexible application of different operating tools

Made in Germany

HAZET No.	l mm	M	EAN-No. 4000896+
2515-1	108	M 14 x 1.5	087549
2515-2	120	M 16 x 1.5	087556

Clamp Pliers for Axle Boots



- For installing **axle boots made of Hytrel** and clamps made of special steel with pre-set **torque values**, in conjunction with e.g. Torque Wrench HAZET 6110-1 CT
- For **VW, AUDI, SEAT, ŠKODA, OPEL, FORD**, etc.
- Ergonomically shaped **2-component plastic handle covers**

Made in Germany

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
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Clamp Pliers for Steering Gear Boots



For AUDI steering gear boots

- For installing high-strength steering gear boots and special steel clamps with pre-set torque values (please follow the instructions of the manufacturer), in conjunction with e.g. torque wrench HAZET 6110-1 CT



Specialty Tools - Chassis - Cardan Shafts - Wheels/Tyres

Clamp Pliers for Steering Gear Boots

- AUDI A4 / A5 / A6 / A7 / Q5
 - Ergonomically shaped 2-component plastic handle covers
 - drive 10 = 3/8"
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-22	178	175185

Pair of Clamping Jaws for steering gear boots AUDI A4 / A5 / A6 / A7 / Q5 in conjunction with 1847 (for refitting)

1847-02/2	-	174447
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Clamp Pliers for Axle Boots



- For axle boot clamps on passenger cars, e.g. on VW, AUDI, OPEL, BMW, MERCEDES-BENZ, HONDA, NISSAN, MAZDA
 - With lug holding-down device
 - Surface: nickel-plated
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-1	230	007004

Hose Clamp Pliers



- For progressively adjustable clamps without lug holding-down device, e.g. for axle boots on VW, AUDI, MERCEDES-BENZ and TOYOTA
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-11	191	079520

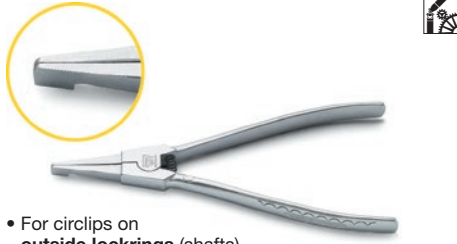
Screwdriver Socket



- For inside hexagon screws
 - drive 12.5 = 1/2"
 - For screwed connections on cardan shafts VW Passat, AUDI
- Germany **Made in Germany**

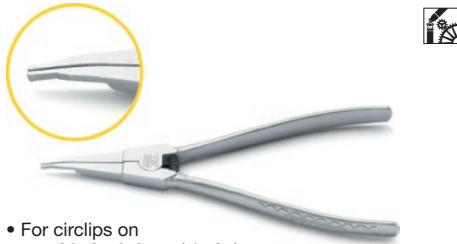
HAZET No.	S mm	l1 mm	l2 mm	d mm	EAN-No. 4000896+
2584	6	32	70	23	017041

Lockring Pliers



- For circlips on outside lockrings (shafts) e.g. on gearboxes
 - Bent tips, chequered (90°)
 - Surface: chrome-plated
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-2	200	007011



- For circlips on outside lockrings (shafts) on VW, AUDI, e.g. outside homocinetic joint
 - Bent tips, chequered (10°)
 - Surface: chrome-plated
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-3	200	007028



- For circlips, e.g. on cardan shafts and gearboxes especially on VW, AUDI, SEAT, ŠKODA
 - Exterior cardan shafts/bearings
 - Bent tips (30°)
 - Surface: chrome-plated
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-6	200	050468

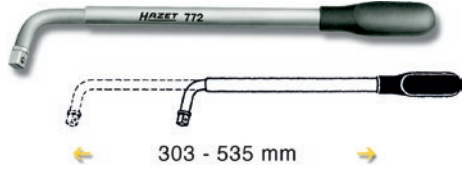


- For circlips on cardan shafts and gearboxes on flanged shaft or cardan shaft
 - Especially on VW e.g. VW T 4
 - Bent tips (30°)
 - Surface: chrome-plated
- Germany **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
1847-61	200	058761

Wheels / Tyres

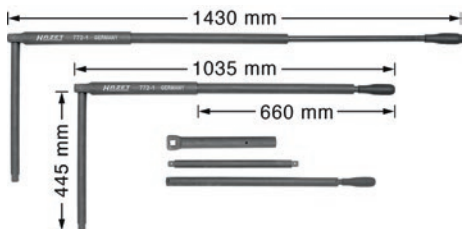
Telescopic Wheel Nut Wrench



- Solid telescopic part, drop forged
 - With square drive 12.5 = 1/2"
 - For sockets of the series HAZET 900
 - Surface: chrome-plated
- Germany **Made in Germany**

HAZET No.	S mm	l1 mm	l2 mm	EAN-No. 4000896+
772	12.5	303	535	030897

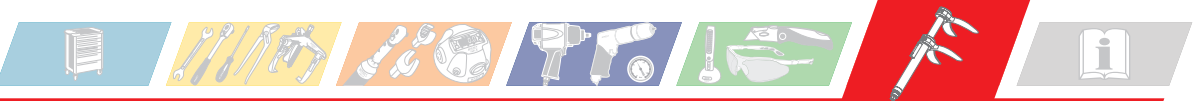
Telescopic Wheel Nut Wrench



For installing and removing wheel nuts and bolts on commercial vehicles

- Safety pin avoids unintentional loosening - removing of safety pin with pin Ø 3 mm
 - 8-point extension for deeply located screwed connections
 - Extended up to 1200 Nm
 - Cold-insulated handle
 - 3 pieces - tool can be disassembled and allows space-saving storage in the storage or tool box
 - For the operation of 20 3/4 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 3/4 and exterior tube
 - Surface: burnished
- Germany **Made in Germany**

HAZET No.	S mm	l1 mm	l2 mm	EAN-No. 4000896+
772-1	20 3/4	1035	1430	123957



Universal Axle and Slotted Nut Wrench Set



- 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.
- Clamping range: from 35 up to 170 mm
- Max. torque 700 Nm
- □ drive 20 = 3/4"
- **16 pieces in Safety-Insert-System** (1/3)

HAZET No.	EAN-No. 4000896+
772-2/16	161041



Four-Way Rim Wrench



- For commercial vehicles, tractors, agricultural and building machinery**
- Tested up to 2000 Nm
 - 720 S with □ 20 = 3/4" for sockets of the 1000 series
 - Forged central piece
 - Surface: chrome-plated, heads polished
 - DIN 3119

Made in Germany

HAZET No.	S mm	l mm	EAN-No. 4000896+
720-30	24 x 27 x 30 x 32	750	029518
720 S	24 x 27 x 32 x 20 3/4"	750	029532

Balance Weight Pliers



- For installing, removing and cutting **balance weights**
- Also for expanding and compressing the retaining springs
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
665	245	029204



- For installing, removing and cutting **balance weights**
- Also for expanding and compressing the retaining springs
- **With plastic head** at the hammer side
- Especially for lacquered weights
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
665-1	245	029228



HAZET No.	l mm	EAN-No. 4000896+
665-01	-	029211

Four-Way Rim Wrench



- For passenger cars, vans and people carriers
- 705 V-02 additionally equipped with □ 12.5 = 1/2" for sockets of the 900 series
- Surface: chrome-plated
- DIN 3119, ISO 6788

Made in Germany

HAZET No.	S mm	l mm	EAN-No. 4000896+
705 N	17 x 19 x 13/16 x 21	380	029389
705 V-02	17 x 19 x 22 x 12 1/2"	380	029396



- For passenger cars, people carriers and agricultural machinery
- **High capacity**
- Tested up to 500 Nm
- Forged central piece
- With □ 12.5 = 1/2" for sockets of the 900 series
- Surface: chrome-plated, heads polished
- DIN 3119, ISO 6788

Made in Germany

HAZET No.	S mm	l mm	EAN-No. 4000896+
715-01	17 x 19 x 22 x 12 1/2"	420	029464

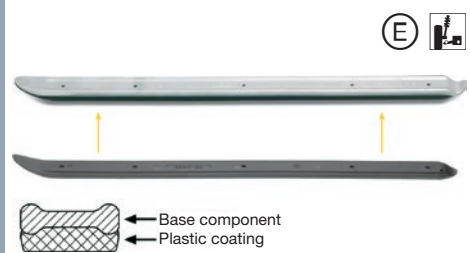
Tire Iron



- Double-T profile ensures high stability
- Surface: chrome-plated

Made in Germany

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



- For installing and removing tyres
- For steel and aluminium rims
- With replaceable **plastic coating** fixed by screws
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
650 K-20	500	028696



- For commercial vehicles, agricultural and building machinery
- Heavy design

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
652	600	028702



Tire Iron



- Especially for tubeless tyres
- Heavy design

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
653	456	028719

Valve Tool

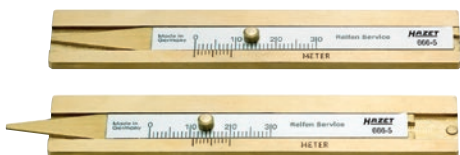


- For installing and removing tyre valve cores
- For pushing in the valve pin when deflating the tyre, e.g. on passenger cars, transporters and commercial vehicles

Made in Germany

HAZET No.	EAN-No. 4000896+
666-1	087136

Tire Tread Depth Gauge

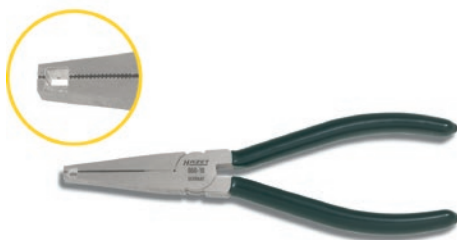


- Glare-free reading
- Measuring depth 30 mm
- Graduation in 0.1 mm steps for an exact determination of the tread depth
- Light weight and easy handling
- Very robust – made of hard brass
- In practical storage case

Made in Germany

HAZET No.	EAN-No. 4000896+
666-5	129164

Pliers for Wheel Nut Caps



- Enables the damage-free removal of wheel nut caps on aluminium rims, e.g. on **AUDI, VW** and **OPEL**
- The pliers' jaw tips are especially shaped for the nut caps
- Surface: bright chrome-plated, handles dip-insulated

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
666-10	160	110575

Universal Axle Lever



- For the removal of ball joints, transverse control arms and further axle components
- Various applications; pivoting and 6 position adjustment

HAZET No.	EAN-No. 4000896+
654-1	161089

Tyre Pressure Control System Set



1/9

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
- In SmartCase 165-S (1/9) with Safety-Insert-System, 2-component soft foam insert

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 the 1st of November 2014 onwards (see EU-regulation no. 661/2009 and ECE-regulation no. 64)

Made in Germany

Contents:

- 666-1
- 850 Lg-11 12
- 2223-T 15 T 20
- 2304 6001-5.4/3

HAZET No.	EAN-No. 4000896+
669-2	186709

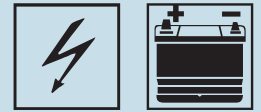
185 x 153 x 52 mm



Electricity / Battery Service

Tools for the following fields of application:

- ✓ Electrical Testing
- ✓ Battery Service
- ✓ Connections / Plug Connections
- ✓ Generator



Page 125

Electrical Testing

Testing Set



- Test appliance for car electrics and electronics
- For **trouble shooting on electronic components**
- **3–48 V**
- 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+
Test appliance for car electricity and electronic		
2152/3	156	013098
Basic unit		
2152	156	013067
Crocodile clip only		
2152-01	62	013074
Probe tip only		
2152-02	98	013081

Electronic Multifunction Tester



With LED display and integrated lighting

- Especially for workshops (motorcycles, passenger cars, commercial vehicles, boats)
- 12–24 V
- Cable length 6 m with integrated lighting
- Short circuit proof 7.5 A
- Application:
For testing electrical components, e.g. electrical fuel pumps, relays, lamps, window lift engines, etc.
- **Optimal lighting of 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



Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2152-5	6000	144440



Ingenious Tools

Specialty Tools - Electricity/Battery Service - Electrical Testing - Battery Service

Car Light Tester



- With probe tip (10 mm long) and protective cap
- Cable with crocodile clip
- 6–24 V

Not to be used on vehicles with electronic components.
For vehicles with electronic components see HAZET 2152/3

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2153	120	013111

Battery Service



Battery Filler



Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4650-0	256	022007

Acid Tester

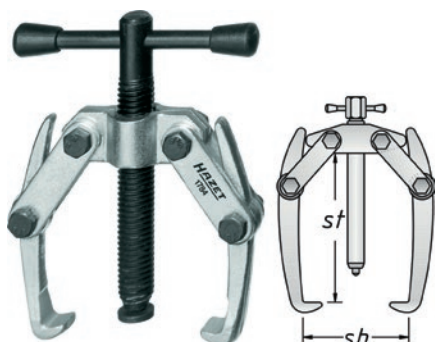


- For controlling the acid content of the battery fluid
- With aerometer

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4650-1	280	022014

Pole and Battery Terminal Puller



- Optimally suited for the removal of small parts such as battery terminals, ball bearings, pulleys, sprockets, etc.
- Automatic gripping of hooks
- Manageable and rugged design, with drop-forged hooks
- 2-arm design

Made in Germany

HAZET No.	Max. tons	sb mm	st mm	Spindle	EAN-No. 4000896+
1784-40	0.5	60	40	M 10 x 1.5 x 60 mm	133482

Special Tool for Battery Plugs



- For screwing battery plugs in and out
- Profile is especially suitable for battery plugs
- Special length allows universal application in areas with restricted access
- Ergonomic T-handle made of plastic
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
4650-3	95	102051

Battery Pole and Terminal Brush



Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
4650-4	120	022038

Battery Cell Tester



- Fast diagnosis of the charging system and state of the battery
- Measuring range 6 and 12 volt for the application on passenger cars and motorcycles

HAZET No.	l mm	EAN-No. 4000896+
4650-5	333	022045

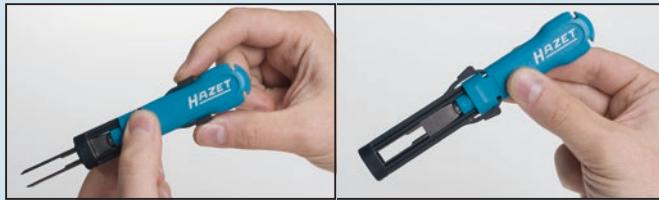
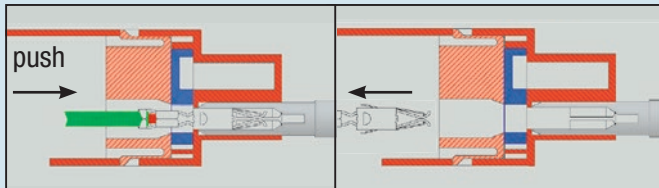
Connections / Plug Connections

HAZET SYSTEM Release Tools

- ✓ For professional working
- ✓ High ease of use
- ✓ Safe application

For damage-free releasing plug-type connectors, e.g. flat and round connectors

- 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



SYSTEM-Release-Tool Assortment



- **Basic Set** for about 80 % of all plug-type connections in passenger cars
- **12 pieces, in plastic case with soft foam insert**
- **Made in Germany**

Contents:
4671-1 2 3
4672-1 2 3 4
4673-1 2 3 4 5

HAZET No.	EAN-No. 4000896+
4670-1/12	132898

SYSTEM-Release-Tool Assortment



- **Extension set for VW – AUDI – SEAT – ŠKODA**
- **10 pieces, in plastic case with soft foam insert**
- **Made in Germany**

Contents:
4671-9 10
4672-11 12 13 14 15
4673-12 13
4674-4

HAZET No.	EAN-No. 4000896+
4670-4/10	135530



- **Extension set for DAIMLER/CHRYSLER**
- **12 pieces, in plastic case with soft foam insert**
- **Made in Germany**

Contents:
4671-4 5 11
4672-5 6 7 16 19 20
4674-1 7 8

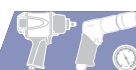
HAZET No.	EAN-No. 4000896+
4670-5/12	135646



- **Extension set for trucks/commercial vehicles**
- **9 pieces, in plastic case with soft foam insert**
- **Made in Germany**

Contents:
4671-4 15 16
4672-19 21 22
4673-12
4674-9 10

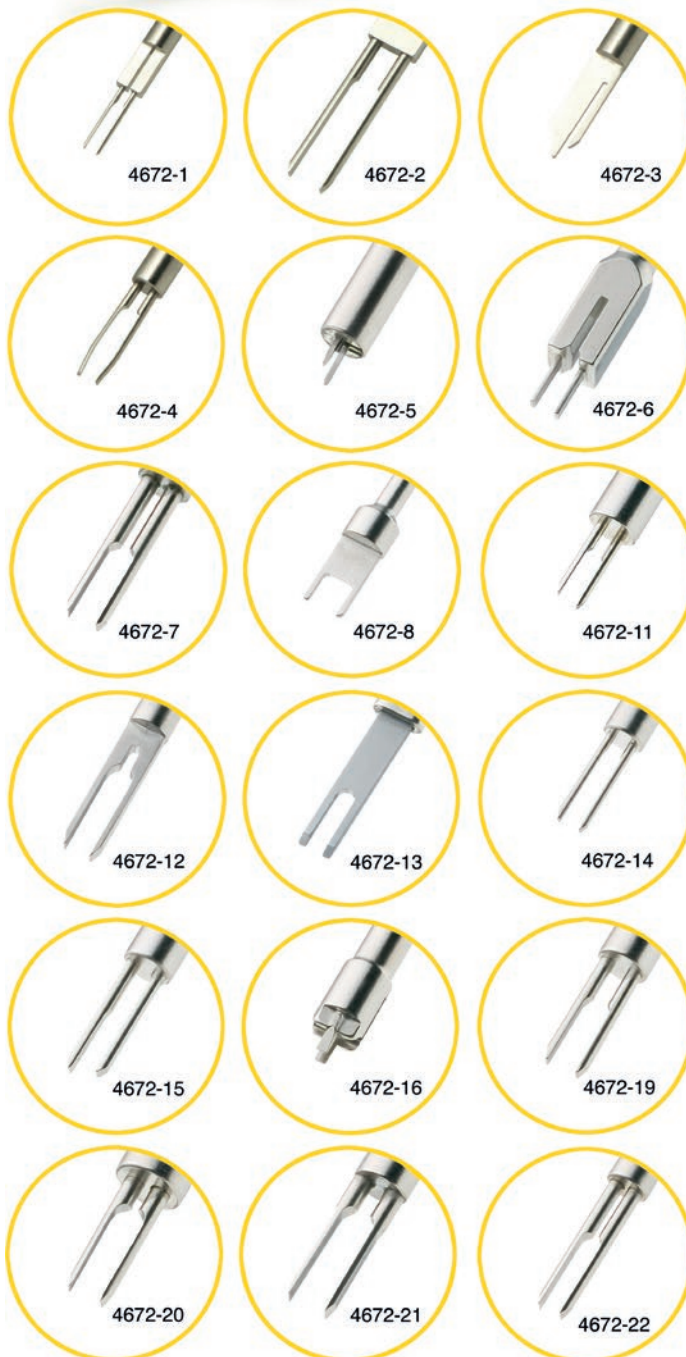
HAZET No.	EAN-No. 4000896+
4670-6/9	135776



SYSTEM-Release-Tool



SYSTEM-Release-Tool



Made in Germany

HAZET No.	EAN-No. 4000896+
ABS 4.0 mm round connector 4671-1	135219
3.5 mm round connector system 4671-2	135288
1.5 mm round connector system 4671-3	135295
2.5 mm round connector 4671-4	135394
LKS 1.5 mm pin-side 4671-5	135400
LKS 1.5 mm bush-side 4671-6	135417
Release tool for round connector system 3.5 mm 4671-9	135622
Release tool for round connector system antenna contact 4671-10	135639
ABS mounting help 4671-11	135653
ABS bushing 4671-15	135837
Round connector system 4671-16	135844

Made in Germany

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

Continuation see next page ▶

SYSTEM-Release-Tool

HAZET No.	EAN-No. 4000896+
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
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



SYSTEM-Release-Tool

⚡ **Made in Germany**

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



⚡ **Made in Germany**

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



Generator

Pulley Extractor



- For pulleys of passenger cars
- Especially suitable for areas with restricted access

Application:

Extractor for pulleys **with thread holes**, application 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

Made in Germany

HAZET No.	EAN-No. 4000896+
1789 N-1	158621

V-Ribbed Belt Pulley Adapter



- Adapter with internal serration XZN for installing or removing the **V-ribbed belt pulley** at the **generator**,
- For e.g. VALEO, BOSCH etc. on **VW, AUDI, ŠKODA and SEAT**

Made in Germany

HAZET No.	S mm	Ø mm	l mm	EAN-No. 4000896+
2592	19.6	17	30	057443

Pulley Extractor



- For installing and removing the **V-(ribbed) belt pulley** at the **generator**
- Application on **VW, AUDI, ŠKODA, SEAT, PORSCHE, MERCEDES-BENZ, FORD, Volvo**, etc.

• **Set of 2 pieces** consisting of adapter with internal serration HAZET 2592 and screwdriver socket HAZET 2751 (M 10)

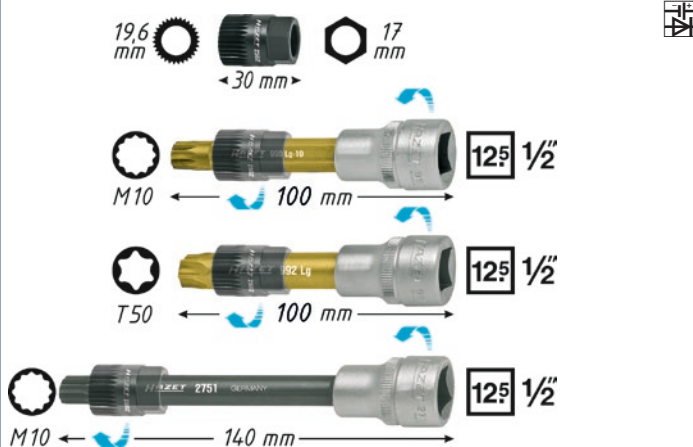
Made in Germany

Pulley Extractor

Contents:
2592 2751

HAZET No.	EAN-No. 4000896+
4641/2	081479

V-Ribbed Belt Pulley Tool

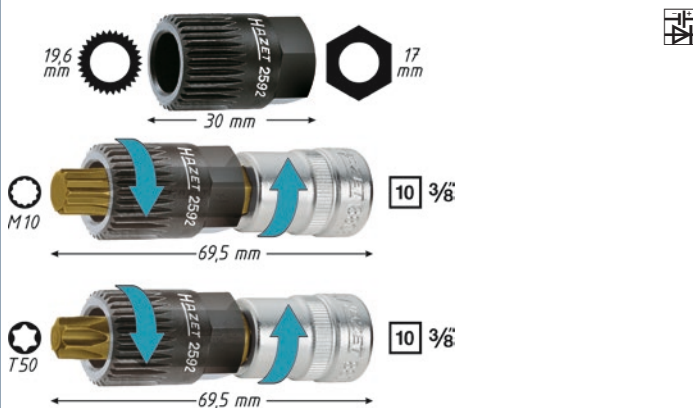


- For working on the built-in or dismantled generator
- For installing and removing the V-(ribbed) belt pulley at the generator
- Control of the screwing
- TORX® and XZN screwdriver sockets for different inside profiles
- The generator is locked with the respective screwdriver socket and the screwing 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.

• **Set of 4 pieces**
Made in Germany

Contents:
990 Lg-10
992 Lg-T 50
2592
2751

HAZET No.	EAN-No. 4000896+
4641/4	103157



- For installing and removing the V-(ribbed) belt pulley at the **built-in** generator
- Control of the screwing
- **Extra-short** (69.5 mm) 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, among others, on **MERCEDES-BENZ**

• **Set of 3 pieces**
Made in Germany

Contents:
8802 Lg-T 50 8808 Lg 70-10 2592

HAZET No.	EAN-No. 4000896+
4641 K/3	159314

V-Ribbed Belt Pulley Tool Set



185 x 153 x 52 mm

1/9

Suitable for approx. 95% of all common vehicle types with V-(ribbed) belt pulleys

- For installing and removing the V-(ribbed) belt pulley at the generator
- For control of the screwing

In SmartCase 165-S

Safety-Insert-System, 2-component soft foam insert

- 5teilig
- 2592 V-ribbed belt pulley adapter, Ø 17 mm
- 2310 Lg-10 socket, Ø 10 mm
- 2312 Lg-10 screwdriver socket, Ø M 10
- 2324 Lg-T 50 screwdriver socket, Ø T 50
- 4642-1 6-point adapter, Ø 19 mm

- Choose the right socket to lock the generator and operate the belt pulley screw with the corresponding adapter

Made in Germany

HAZET No.	EAN-No. 4000896+
4641-2/5	186013

V-Ribbed Belt Tool Set



185 x 153 x 52 mm

1/9

Universal Set for installing and removing of elastic V-ribbed belts

- Tool set allows application on double pulleys
- Necessary specialty tool, as there is no tensioner for installation and removal of the V-ribbed belt. Among others for: **ALFA-ROMEO** 159 2.4 Multijet, **BMW** 1-Series and 3-Series, **CITROËN** Picasso, C4, C4 Picasso, C5, Jumpy, Berlingo 1.6 HDI, **FORD** Focus, C-Max 1.6 TDCI, **FIAT** Multipla, Bravo, Croma 1.6 Petrol und 2.4 MJ, **LANCIA** Lybra 1.6 Petrol, **MAZDA** 3 1.6 DE, **PEUGEOT** 207, 308, 407, Partner, 5008, 3008 1.6 HDI

In SmartCase 165-S

Safety-Insert-System, 2-component soft foam insert

- 4 pieces,
 - 4643-1 Removal tool
 - 4643-2 Assembly tool
 - 4643-3 Fixing screw, long
 - 4643-4 Fixing screw, short
- Operating instructions included

HAZET No.	EAN-No. 4000896+
4643/4	186648

Radio Dismounting Tool



AUDI / FORD / VW	LANDROVER	AUDI / NEW BEETLE
MERCEDES-BENZ / PORSCHE	BMW	SKODA
BMW	VW	FIAT
After Market Utility	Kenwood	Sony
Blaupunkt		

VW, AUDI, FORD, BMW, MERCEDES-BENZ, PORSCHE, GM OPEL, ŠKODA, FIAT, LAND-ROVER, KENWOOD, SONY, CLARION, BLAUPUNKT and many others

Improved execution with many additional applications

- Universal tool for installing and removing car radios of different car and radio manufacturers
- Very handy
- **All applications in one tool** – no need to search the right tool
- Practical slide for the separation of both parts
- Many unlocking types in one compact tool

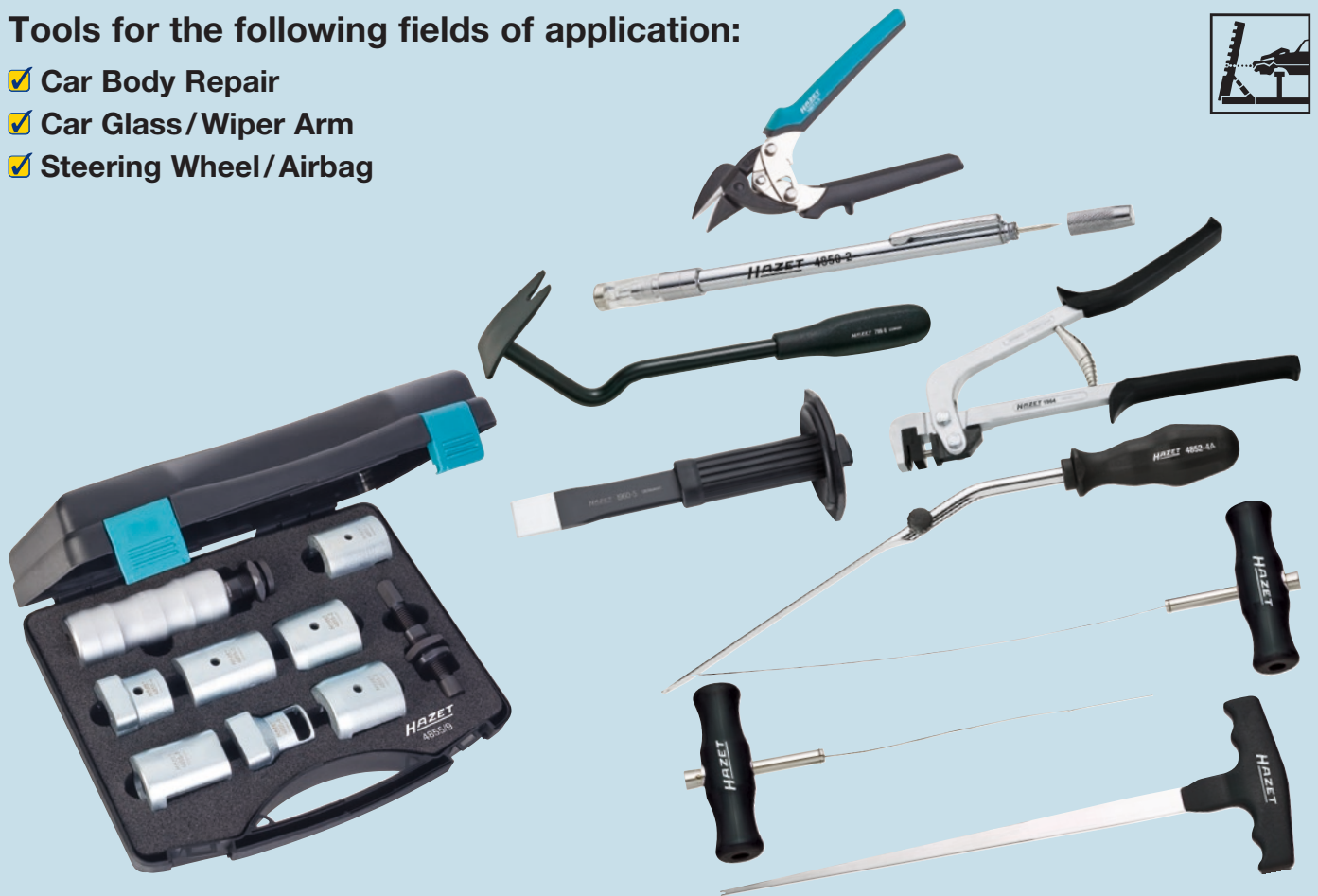
HAZET No.	EAN-No. 4000896+
4655-1	120666



Body and Interior Equipment

Tools for the following fields of application:

- ✓ Car Body Repair
- ✓ Car Glass/Wiper Arm
- ✓ Steering Wheel/Airbag



Grip Pliers see chapter Hand Tools/Pliers on pages 121 and 122

Car Body Repair

Tool Assortment



Tool Assortment

Assortment for car body work
77 pieces

• For tool trolleys HAZET *Assistant*

Contents:

- 428-6 7 8 10 11 13
- 600 N-8 9 10 11 12 13
- 14 15 17 19 22 24
- 745 a-6 745-4
- 746-1 757-10
- 760 N-2 799-3
- 801 K-55
- 803-25 55 65 80 100
- 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 1850-44
- 1917 N 1919 N
- 1920 N 1921
- 1922 1923
- 1927 1929-1
- 1930 1931
- 1934
- 1934-1 4 9 10
- 1937 K 1940
- 1950 1960-5
- 1961 L-2 1961 R-2
- 1965-1 2 3 4 5
- 2130 2140-3 5
- 2143 2150
- 2165-1 2

HAZET
No.

0-1900/77

EAN-No.
4000896+

000241

Body and Fender Tool Set



759 x 305 x 115 mm

- For car body work
- In sheet metal box (HAZET-blue)
- 10 pieces
- Made in Germany

Contents:

1911	1917 N	1919 N	1928 K
1930	1931	1934	1935
1938 K	1940		

HAZET No.	EAN-No. 4000896+
1905/10 N	007448

Hand Anvil (Dolly)



- Roof wedge-shaped
- Length 137 mm, width 55 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1911	007486



- Daimler Stöckle
- 110 x 50 mm, height 50 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1917 N	007509



- Wedge-shaped
- 110 x 63 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1918 N	007516



- Toe-shaped
- 120 x 58 mm, height 20 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1919 N	007523

Hand Anvil (Dolly)



- Universal
- 76 x 56 mm and 65 x 47 mm, height 60 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1920 N	007530



- All-sides ground
- Heel-shaped, flat / halfround
- 84 x 62 mm, height 34 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1921	007554



- „Diabolo“ style
- 59 x 61 mm, height 59 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1922	007561

Box File



- For body sheet planishing
- All sides with cut of a file
- 158 x 35 x 22 mm
- Made in Germany

HAZET No.	EAN-No. 4000896+
1923	007578

General Purpose Spoon



- Blade size 52 x 150 mm
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1927	275	007691

General Purpose Spoon



- Cut on one side
- Blade size 60 x 30 x 200 mm
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1928 K	385	007707

General Purpose Spoon



- Wide shape
- Offset and curved
- Blade size 170 x 50 mm
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1929-1	480	007721



- Wide shape
- Deep offset and heavily curved
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1930	455	007738



- Narrow shape
- Blade size 105 x 85 x 38 mm
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1930-1	315	007745

Bending Iron



- With leather cap
- Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1931	410	007769

Flange Tool



- Forms crimped edges on sheet metals up to 1 mm thickness
- **Crimping capacity: 12 mm**
- Plastic handle covers
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	b mm	EAN-No. 4000896+
1932-1	300	15	007806
1932-2	300	30	007868

Sheet Metal Punch



- For sheet metal punching up to 1 mm during spot-welding (MAG-welding)
- Plastic handle covers
- To be used with HAZET Flange Tool 1932
- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	Ø mm	EAN-No. 4000896+
1964-50	300	5	009039
1964-55	300	5.5	009077
1964-70	300	7	009121

Car Body Chisel



- For cutting sheet metal, welding spots, welding grooves, etc.
- With hand guard (730 HS)
- Blade size: 7 x 26 mm

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1960-5	240	008759

Sheet Metal Profile Snips



Sheet Metal Profile Snips

- 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
- Handles with plastic cover
- Shear head drop-forged, hardened and tempered
- Cutting edges induction hardened

Made in Germany

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



- For figure cutting and straight cuts
- With lever transmission system
- Handles with plastic cover
- Shear head drop-forged, hardened and tempered
- Cutting edges induction hardened

Made in Germany

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



Compact design enables working in confined spaces and cutting small contours.

- For figure cutting and straight cuts
- The new geometric form of the head is perfectly suitable for cutting small radii and working in areas with restricted access
- Compact design and a perfect leverage ratio ensure optimised working with reduced working effort.
- Ergonomically shaped handle for effortless working
- Shear head drop-forged
- For sheet thickness up to 1.2 mm (600 N/mm²)
- Edge length: 20 mm

HAZET No.	l mm	EAN-No. 4000896+
Left hand cutting		
1961 L-3	180	176533
Right hand cutting		
1961 R-3	180	176540

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

Car Body File Holder



- Adjustable, with tightening screw
- With 1 file blade 1934-4
- For flat file blades HAZET 1934-1 up to -5

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
1934	355	008018



- Made of wood
- Without file blade

Made in Germany

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

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

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

Car Body File



- Cross cut
- Teeth (cut):
1 = coarse (1934-8)
3 = fine (1934-9)
- Cranked
- Plastic handle

Heat the bent with a welding torch. Then work the metal with the file. Due to the special alloy, the heat will be extracted when working the metal with the file and the metal will be planished.

Made in Germany

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
---------	-----	-----	--------

Body Hammer



- HICKORY handle
- **Made in Germany**

HAZET No.	l mm	Hammer Head Form	EAN-No. 4000896+
-----------	------	------------------	------------------

- Bumping and planishing hammer
- 154 mm
- **2 round faces of different sizes**
- 1935 308 $\circ 40 \circ 30$ 008193
- Stretching and planishing hammer
- 103 mm
- **Round faces, finely chequered, milled**
- 1937 K 305 $\square 24 \circ 32$ 008209
- Stretching and planishing hammer
- 96 mm
- **Round faces, finely chequered, milled**
- 1938 K 310 $\square 35 \circ 40$ 008216

Body Hammer



- HICKORY handle
- **Made in Germany**

HAZET No.	l mm	Hammer Head Form	EAN-No. 4000896+
-----------	------	------------------	------------------

- Planishing and embossing hammer
- 160 mm
- **Round face and ball**
- 1940 309 $\circ 40 \circ 17$ 008230
- Planishing and cross-peen hammer
- 135 mm
- **Round face and curved, sharp peen**
- 1943 309 $\circ 40 - 15$ 008261



- HICKORY handle
- **Made in Germany**

HAZET No.	l mm	Hammer Head Form	EAN-No. 4000896+
-----------	------	------------------	------------------

- Bumping and picking hammer
- 165 mm
- **Round face and straight peen**
- 1944 325 $\circ 41 \circ 10$ 008278
- Aluminium hammer
- Flat, half-round
- 1950 310 $\circ 30$ 008339

Welding Spot Drill



- For exact welding spot reaming in sheet metal fabrication
- No warped or torn materials
- 7 mm hexagon shank prevents slippage in drill chuck
- Fits power drills of all types
- 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 (*)
- **Made in Germany**

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 |

Welding Spot Drill



- For exact welding spot reaming
- Self-cutting centring tip resharpenable
- Heavy duty, high-speed steel, blued
- **Made in Germany**

HAZET No.	l mm	\varnothing mm	EAN-No. 4000896+
1967-70	74	7	009343
1967-80	79	8	009350
1967-90	79	9	009367

Special Bumping Mallet



- With permanent plastic filler for non-damaging bumps **without striation** (*)
- Assembly tool for materials that are susceptible to scratching
- For fixing trim strips, working on roof rails as well as seat installing, upholstery
- **Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
-----------	------	------------------

- Rubber body 70 x 70 mm
- 1959-2 260 102259
- Handle adjustable to 90°
- Rubber body 70 x 140 mm
- 1959-3 280 008728
- Handle adjustable to 90°
- White rubber body 70 x 140 mm
- 1959-4 * 280 127221

Wedge



- For hot galvanized surfaces
- Beech wood
- **Made in Germany**

HAZET No.	EAN-No. 4000896+
-----------	------------------

- Set of 5 pieces:**
Contents:
1965-1 2 3 4 5
1965/5 009220



Wedge



- For car body work, e.g. for stripping mouldings, covers, graphics, etc. without damage
- Plastic

Made in Germany

HAZET No.	l mm	b mm	h mm	EAN-No. 4000896+
1965-20	190	25	25	009183

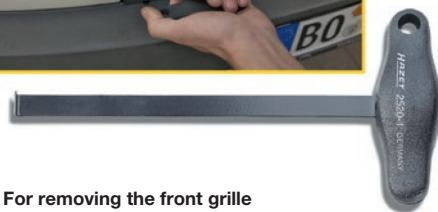
Combination Lever



- For fast and easy removing of mouldings and door coverings
- Operation of plugs and plastic clips
- Removing of protective caps and covers
- Avoids damage of lacquered surfaces, plastic and metal parts

HAZET No.	l mm	b mm	EAN-No. 4000896+
1965-21	270	22	087839

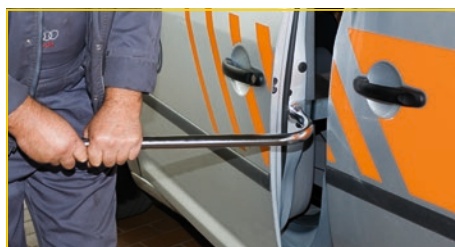
Puller hook



- For removing the front grille of the VW Transporter
- Removal of e.g. the additional light, interior lining, interior lighting shade etc.
- VW Golf since 2004, Golf Plus since 2005, Jetta since 2006, Crafter since 2006, Tiguan since 2008, Passat since 2006, Scirocco since 2009, AUDI A2, A3, A4, A5, A6, A8, Q5, Q7, R8
- With T-handle

HAZET No.	EAN-No. 4000896+
2520-1	075218

Aligning Tool for Doors



- For easy and clean re-alignment of doors on passenger cars and minivans (height adjustment) as well as taigates on hatchback vehicles (adjustment of door gap-width)
- Flat steel Chrome-Vanadium aligning rod made of special steel
- Surface: chrome-plated

HAZET No.	l mm	EAN-No. 4000896+
1973-1	660	009664

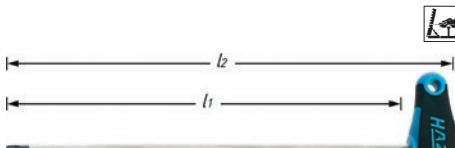
Set of 4 pieces:

Aligning rod with 3 pins, stored in the rod's handle

Contents:

1973-1 2 3 4		
1973-4	660	009718
Aligning Rod		
1973-1	660	009664
Pin 19 mm Ø		
1973-2	-	009688
Pin 12 mm Ø		
1973-3	-	009695
Pin 9.3 mm Ø		
1973-4	-	009701

TORX® Screwdriver



- For inside TORX® screws
- Extra long style
- With ergonomically shaped 2-component T-handle
- Surface: chrome-plated, tips burnished
- 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)
- Adjustment of the headlights on MERCEDES-BENZ Actros

HAZET No.	mm	l ₁ mm	l ₂ mm	EAN-No. 4000896+
828 Lg-T 20	3.86	200	226	139941

Bent Bit Holder for Door Hinges



- For installing and removing the doors on VW, ŠKODA Fabia since 2010, Roomster since 2006, AUDI A5 since 2007, (screwed connection door hinges) and for door alignment
- With plug and socket connection 9x12 mm square
- With TORX® Bit T45 (HAZET 2597-01)

Removal

in conjunction with tool holder HAZET 6396, installation with torque wrench HAZET 6290-1 CT – Please follow VW torque regulations – see also HAZET 2251-1/2

- Surface: chrome-plated

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
2597	95	7.82	017379

TORX® Screwdriver Bit



- Screwdriver bit TORX® T 45 for 2597
- For installing and removing the doors on VW

Made in Germany

HAZET No.	l mm	mm	EAN-No. 4000896+
2597-01	18	7.82	017386

Screwdriver Bit



- For door aligning as well as for installing and removing the doors on VW Golf 4 (model years 1997–2006), Golf 7 (since 2012), Passat B5 (model years 1996–2000) SEAT Leon (model years)
- in conjunction with bent bit holder HAZET 2597
- For screws with internal serration (XZN) M 10
- Similar to DIN 65254

Made in Germany

HAZET No.	l mm	M	EAN-No. 4000896+
2597-02	21	10	066667

Screwdriver Bit



- For door aligning as well as for installing and removing the doors on **VW Golf 5** (model years 2003–2008), **Golf 6** since 2008, **Passat B6**, **Caddy** model years 2004–2010, **New Beetle** since 2011, **Sharan 2** since 2010, **Tiguan** since 2011, **Touran** since 2010 **ŠKODA Superb** since 2008 in conjunction with bent bit holder HAZET 2597
 - For screws with internal serration (XZN) M 8
 - Similar to DIN 65254
- Made in Germany**

HAZET No.	l mm	M	EAN-No. 4000896+
2597-03	21	8	118830

TORX® Screwdriver Bit



- For installing and removing the driver's and co-driver's door on **VW**
 - T 45 with special length
- In conjunction with reversible ratchet HAZET 2264 or insert reversible ratchet 6408 and torque wrench 6290-1CT – consider **VW** torque regulations -
- Hexagon drive ISO 1173-C 6.3 = 1/4"
- Made in Germany**

HAZET No.	l mm	mm	EAN-No. 4000896+
2597-T 45	25	7.82	017393

Hose Clamp Pliers



- For installing and removing the stop spring of the window crank
 - Surface: chrome-plated, jaw burnished
- Made in Germany**

HAZET No.	l mm	sb mm	EAN-No. 4000896+
799	210	8–45	031986

Lever for Removing Door Panels



- For removing **fixing plugs** on door panels
 - Coated for the protection of vehicle lacquer
 - Jaw opening 28 mm
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
799-3	268	031993

Pliers for Dismantling Door Panels



- For removing the fixing bolts on **door panels**, mouldings and bumper rubber strips
 - Coated for the protection of vehicle lacquer
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
799-4	230	032013

Lever for Removing Door Panels



Lever for Removing Door Panels

- For removing the fixing plugs on door panels – **VW Sharan**, **Touareg**, **Touran**, **Phaeton** – **SEAT Alhambra** – **FORD Galaxy**
 - Lever provides an optimal power transmission
 - Coated for the protection of vehicle lacquer
 - Ergonomic plastic handle
- Made in Germany**

HAZET No.	l mm	EAN-No. 4000896+
799-6	260	110346

Bumper Tubular Socket Wrench



6.3 1/4"



- Special tool for the operation of the rear bumper screws, **MERCEDES-BENZ** type 204 (C-Class) station wagon and limousine, **AUDI A3** since 2004, **A4** since 2001, **A6** since 2005, **TT** since 2007
 - Note: Screw operation with threaded rod
 - drive 6.3 = 1/4"
 - Enables controlled screwing with the torque value required by the manufacturer
- Made in Germany**

HAZET No.	S mm	l mm	EAN-No. 4000896+
2797-1	10	160	154746

Side Mirror Assembly Tool



- For installing and removing the side mirror on **MERCEDES-BENZ** type 203 and 204 (C-class), type 211 and 212 (E-class)
- With T-handle
- For inside 5-star screws with centre pin

HAZET No.	l ₁ mm	l ₂ mm	EAN-No. 4000896+
2715-20 H	200	225	118717

Car Glass/Wiper Arm

Tool Set for Removing Car Glass



- Suitable for all glued windscreens as well as for most side and rear windows
- 4-point 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 cutting or sawing wire firmly

HAZET No.	EAN-No. 4000896+
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Set of proven tools for removing glued car windows	
6 pieces	
Contents:	
4852-3 (2x) 4 A 5 6 7	
4852/6	129447
Pull handle	
4852-3	129454
Counterholder	
4852-4 A	164769
Wire starter	
4852-5	129478
Roll of square cutting wire 0.6 x 0.6 mm, 22 metres	
4852-6	129485
Roll of round cutting wire Ø 0.8 mm, 22 metres	
4852-7	129492

Nozzle Adjusting Tool



- For adjusting the nozzles of the washing system**
- The telescopic handle can be used to demonstrate the jet of the nozzles to the window
 - With pocket clip
 - With magnetic head 6 mm Ø
 - Adjusting needle and protective cap

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-1	155	670	022366

Nozzle Adjusting Tool



- For adjusting the nozzles of the washing system**
- The telescopic handle can be used to demonstrate the jet of the nozzles to the window
 - With pocket clip
 - With integrated LED for easy detection of parts in dark areas such as the engine compartment etc.
 - With powerful magnet 8 mm Ø to pick up small parts

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-2	183	682	149544

Window Extracting Knife



- **Knife with pulling handle** and blade with 22 mm cutting depth
- For the extraction of **glued car windows**

HAZET No.	EAN-No. 4000896+
4852-1	050543
Spare blades for 4852-1	
set of 2 pieces, 22 mm cutting depth	
4852-01/2	051496
Spare blades for 4852-1	
set of 2 pieces, 15 mm cutting depth	
4852-02/2	056446

Wiper Adjusting Tool



- For angular adjustment of the wiper blades
- Please follow the manufacturer's instructions –
- Not suitable for Aerotwin wipers

Made in Germany

HAZET No.	l mm	b mm	h mm	EAN-No. 4000896+
4851-1	120	65	60	048212



Wiper Arm Extractor Set



Wiper Arm Extractor Set

- For removing wiper arms on passenger cars and commercial vehicles
- Made in Germany**

HAZET No.	EAN-No. 4000896+
9 pieces, in plastic box	
4855/9	111268
Extractor Claw	
4855-1	111084
4855-2	111091
4855-3	111107
4855-4	111114
4855-5	111121
4855-6	111237
4855-7	111244
Drive with 6-point spindle ≤ 14 mm	
4855-8	111251
Impact extractor with connection piece	
4855-9	110964

Vehicle Type	Claw 4855-	Drive 4855-	Claw 4855-	Drive 4855-
AUDI				
A 80 up to 1996	1	8		
A 2	1	8		
A 3	1	8		
A 4 up to 2001	1	8	1	8
A 4 since 2001	5	8		
A 4 since 2003	7	8		
A 6 since 1997	1	8	1	8
A 8 since 2003	2	8		
TT (Hook off the bonnet shock absorber and then steeply erect bonnet)	3	8		
ALFA ROMEO				
147	1	8		
156	2	8		
BMW				
3-series E 36	3	8		
3-series Compact E 36	1	8	3	8
3-series E 46, right	2	8		
3-series E 46, left	5	8		
5-series E 39, right	5	8		
5-series E 60, right	3	8		
7-series E 38, right	2	8		
7-series E 65, right	2	8		
Mini	7	8		
CITROËN				
Berlingo	1	8	1	9
C 5	4	8	6	8
Evasion	1	8	3	9
Saxo	1	8	6	8
Xsara	1	8	6	8
Xsara Picasso	2	8	6	8
FIAT				
Seicento	3	8	3	8
Panda	1	8	3	8
Punto	1	8	3	8
Stilo	1	8	3	8
Idea	1	8	3	8
Doblo	1	8	3	8
Ulysse	–	–	3	8
Ducato	1	8		
FORD				
Fiesta since 1995	1	8		
Fiesta since 2001	1	8		
Focus	2	8		
Focus C-Max	2	8		
Fusion	1	8		

Vehicle Type	Claw 4855-	Drive 4855-	Claw 4855-	Drive 4855-
FORD				
Ka	3	8		
Mondeo up to 2001	1	8		
Mondeo since 2001	1	8	6	8
Galaxy up to 2000	2	8	3	8
Galaxy since 2000	5	8	1	9
HONDA				
Accord years 1998/1999	1	8		
Civic since 2002	2	8		
MERCEDES BENZ				
A-Class	1	8		
C-Class	2	8		
E-Class since 2002				
right	5	8		
E-Class since 2002				
left	1	8		
M-Class	1	8		
SLK	4	8		
Vito/V-Class	4	8		
OPEL				
Astra F	3	8	3	8
Astra G	1	8	4	8
Astra G station wagon	1	8	3	8
Corsa B	3	8		
Corsa C	1	8	1	8
Meriva	–	–	3	8
Movano	1	8		
Signum	1	8	3	8
Vectra C	1	8	3	8
Vivaro	1	8		
Zafira	1	8	3	8
PEUGEOT				
106	1	8	6	8
206	2	8		
306	1	8		
306 Cabrio	1	8		
307	2	8	6	8
406	2	8	6	8
806	1	8		
Partner	1	8		
RENAULT				
Clio since 1998	1	8	1	8
Espace since 1996	1/2	8	1	8
Kangoo	1	8	1	8
Laguna	1	8		

Vehicle Type	Claw 4855-	Drive 4855-	Claw 4855-	Drive 4855-
RENAULT				
Laguna station wagon	1	8		
Megane since 1999	2	8		
Megane Limousine	2	8	1	8
Scenic	2	8		
Twingo	1	8		
SAAB				
9-3 up to 2003	2	8		
9-5	2	8		
SEAT				
Ibiza	1	8		
Cordoba	1	8		
Leon	1	8		
Toledo	1	8		
Arosa	1	8		
Alhambra	1	8		
SKODA				
Fabia	1	8		
Octavia	1	8		
Superb	1	8		
Volvo				
740	3	8		
850	1	8		
940	3	8		
S 60	3	8		
C 70	1	8		
S 70	1	8		
V 70 up to 2000	1	8		
V 70 since 2001	3	8		
S 80	3	8		
XC 90	1	8		
VOLKSWAGEN				
Beetle	1	8		
Golf III	1	8	1	9
Golf IV	1	8	1	9
Golf V	1	8		
Lupo	1	8	1	9
Passat up to 2000	3	8	1	9
Passat since 2001	1	8	1	9
Polo up to 1999	3	8	3	8
Polo since 1999	1	8	1	9
Sharan up to 2000	2	8	3	9
Sharan since 2000	5	8	1	9
T 5 since 2003	2	8		
Touran	1	8		



Steering Wheel / Airbag

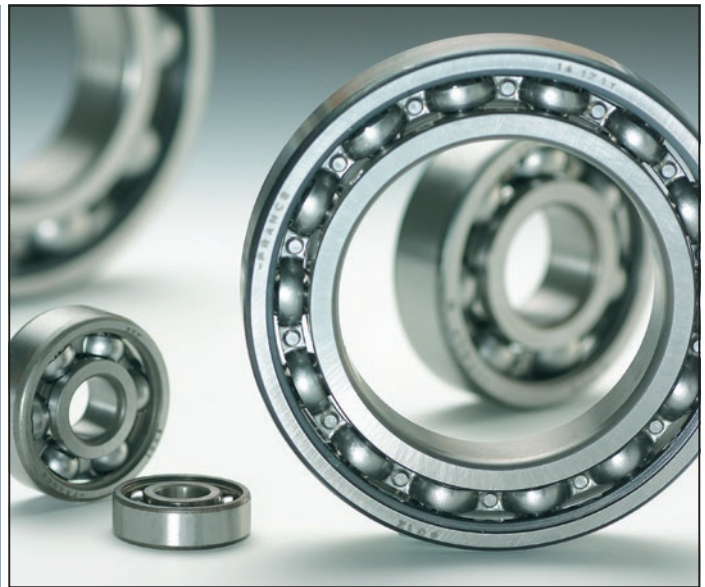
Pitman Arm Puller



- 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: galvanized

🇩🇪 **Made in Germany**

HAZET No.	sb mm	sf mm	Spindle	EAN-No. 4000896+
1776-85	90	85	M 18 x 1.5 x 130 mm	135943
1776-100	90	100	M 18 x 1.5 x 130 mm	135950
1776-140	150	140	G ½" x 175 mm	135967



Seafarers put their trust in sea rescuers – sea rescuers put their trust in HAZET Quality Tools!

Borescope / Inspection

Professional Borescopes



- Water-proof borescope probe; allows even short-time use in oil or gasoline
- Continuous focussing of the eyepiece provides sharp pictures (blue adjustment ring)
- The borescope probe does not get hot
- Specially coated achromatic optics for pictures without colour fringes
- On/off switch with continuous light regulation

- Bayonet catch allows fast adaptation of the battery handle to the basic appliance
- Eyepiece cup for spectacle wearers
- Included: Borescope, battery handle with 3 batteries (LR14), eyepiece cup

For expertises and the compilation of damage assessments at and in concealed areas as e.g.



Industry:

- CNC machines, planetary gear, bearings and bushings, conducts, grooves, etc.
- Quality inspections in the surface area, welded joints, soldered joints, riveted joints, any kind of screwed connections, bore holes and each kind of threads



Aviation:

- Sporting planes with motors, helicopters, chassis, motor parts: cylinders, valves/valve bottom, pistons/piston rings



Construction:

- Renovation of old buildings, hollow spaces, cable shafts, etc.

Passenger cars, commercial vehicles, motorcycles, boats:

- Parts of the motor like cylinder walls, pistons, valves, oil-pump, oil pan, gear, etc.
- Diagnostics of leaks in the motor, cooling circuit, visual inspection of the catalytic converter, car body, chassis, spars, shafts, wear of the axles, e.g. bearing collars, ball bearings, wear marks in the axle shaft, axle drive shafts, etc.

Accessories: Mirror with thread (Side View Adapter)

The borescope's outer diameter does not increase when using the 90°/110° mirror (Side-View Adapter). Safe fastening ("unlosable")



4.2 or 6 mm Ø

Application fields:

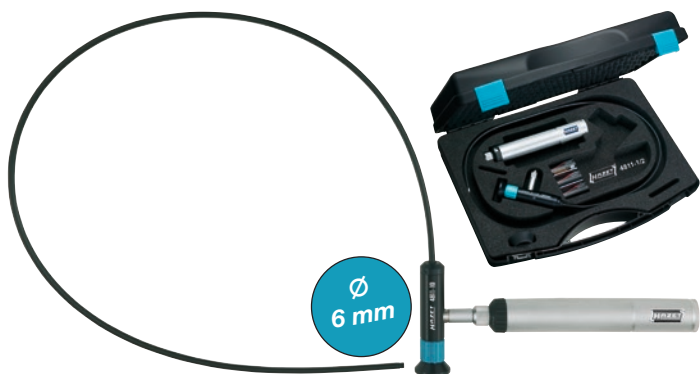


Technical Data		
HAZET No.	4811-2/2	4811-1/2
Diameter	4.2 mm	6 mm
Work distance	5 mm to infinite	10 mm to infinite
Brightness at a distance of 16 mm	15,000 Lux	50,000 Lux
Count of glass fibres	17,000	7,000
Very small bending radius	30 mm	30 mm
Useful length borescope probe	720 mm	1000 mm
Aperture angle	40°	50°
Temperature range	-20° up to + 55° C	-20° up to + 55° C
Luminous source/ bulb	3.5 V	3.5 V
Other	Reduced moment of rotation 360° torsion	



Specialty Tools – Borescope/Inspection

Professional Borescope



Made in Germany

HAZET No.	EAN-No. 4000896+
4811-1/2	109678



90° side-view adapter (mirror) for 4811-1/2

- Extends the field of view to an aperture angle of 90°
- The borescope's outside diameter (6 mm) remains the same
- Tight screwing for safe fixation (unlosable)
- Image angle 40°

4811-2	109685
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110° side-view adapter (mirror) for 4811-1/2

- Extends the field of view to an aperture angle of 110°
- The borescope's outside diameter (6 mm) remains the same
- Tight screwing for safe fixation (unlosable)
- Image angle 40°

4811-3	115891
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Spare bulb 3.5 Volt for 4811-1/2 and 4811-2/2

4811-01	110377
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LED-Scope Light



Made in Germany

HAZET No.	EAN-No. 4000896+
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Brilliant white light in conjunction with HAZET Borescopes 4811-1/2 and 4811-2/2

- White LED (3 Watt), 5500 K to 6000 K colour temperature
- Up to 110 000 Lux
- Approx. 50,000 hours working life
- Shock and impact resistant

4811-8	154067
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Professional Borescope



Made in Germany

HAZET No.	EAN-No. 4000896+
4811-2/2	144136



90° side-view adapter (mirror) for 4811-2/2

- Extends the field of view to an aperture angle of 90°
- The borescope's outside diameter of 4.2 mm does not increase
- Tight screwing for safe fixation (unlosable)
- Image angle 40°

4811-4	144365
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110° side-view adapter (mirror) for 4811-2/2

- Extends the field of view to an aperture angle of 110°
- The borescope's outside diameter (4.2 mm) does not increase
- Tight screwing for safe fixation (unlosable)
- Image angle 40°

4811-5	144372
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Spare bulb 3.5 Volt for 4811-1/2 and 4811-2/2

4811-01	110377
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Borescope



- For the localization of damaged parts, e.g. axles, bearings and gearboxes
- Steel tip 180 mm
- Diaphragm with efficient transmission rate

Made in Germany

HAZET No.	l mm	EAN-No. 4000896+
2151	1080	013043
Ear tips for 2151		
2151-02/2	-	062287

