

New HAZET Range of Pullers / Extractors

- ✓ 2-Arm Pullers
- ✓ 3-Arm Pullers
- ✓ Hydraulic Pullers
- ✓ Ball Bearing Extractors
- ✓ Separators
- ✓ Internal Extractors
- ✓ Forged Quality
- ✓ Practical and Proven Tools
- ✓ New Innovative Range of Pullers
- ✓ For Industry, Automotive Sector, Commercial Vehicles, Construction Machinery, etc.



NOTE:

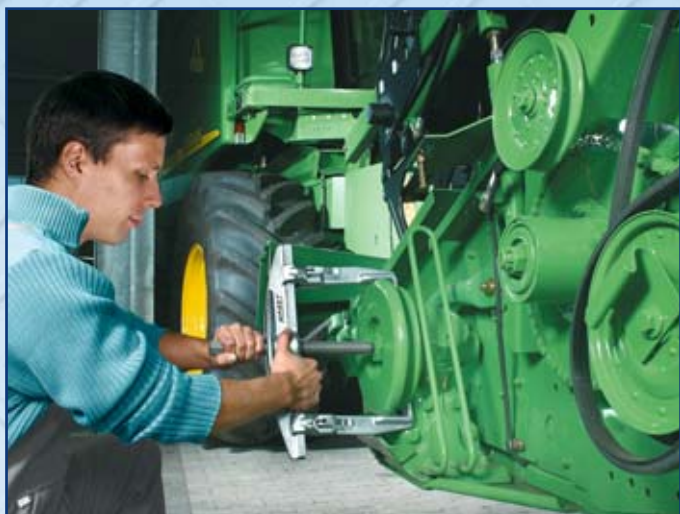
New article numbers for the HAZET range of pullers/extractors

MADE IN GERMANY 
 DEUTSCHES
 WERKZEUG



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2-Arm Quick-Clamping Puller



E

- With fixing lever and quick clamping device
- For the fast and safe removal of ball-bearings, pulleys, wheels etc.
- To be used as internal and external puller by inverting the hooks
- New type of quick-clamping device allows fast and simple adjusting
- Very rugged, drop-forged pullers
- Nitrided spindle – extra hard maintenance-free – no lubrication necessary
- Can be equipped with hydraulic spindle from thread size G 1/2" on

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1787 F- 9	90	100	M14x1,5x140	3,0	134151
1787 F-13	130	100	M14x1,5x140	3,0	134168
1787 F-16	160	150	G 1/2x210	5,0	134175
1787 F-20	200	150	G 1/2x210	5,0	134182
1787 F-25	250	200	G 3/4x280	7,5	134199
1787 F-35	350	200	G 3/4x280	7,5	136094

2-Arm Puller



E

- To be used as internal and external puller by inverting the hooks
- Spindle G1 x 310
- Can be equipped with hydraulic spindle 1786 H-03
- Special steel
- Surface galvanized

HAZET No.	sb max. mm	st max. mm	Max. to.	EAN-No. 4000896+
1787-52	520	208	10	136100

Puller Hook with Quick-Clamping Device



For pullers 1786 F and 1787 F (per piece)

HAZET No.	st max. mm	EAN-No. 4000896+
For 1786 F-9 13 1787 F-9 13		
1787 F-0913	100	136117
For 1786 F-16 20 1787 F-16 20		
1787 F-1620	150	136124
For 1786 F-25 35 1787 F-25 35 1787-52		
1787 F-2552	200	136131

Puller Hook without Quick-Clamping Device



Per piece
for pullers
1786 F-25 35
1787 F-25 35
1787-52

HAZET No.	st max. mm	EAN-No. 4000896+
1787-2552	200	136148
1787 Lg-0913	200	136155
1787 Lg-1620	300	136162
1787 Lg-2552	305	136179
1787 Lg-2552/4	406	136186
1787 Lg-2552/5	504	136193

Quick-Clamping Puller Set



- With quick-clamping device
- Complete set, 5 pieces
2-arm pullers in display stand

Contents:
1787 F-9 13 16 20 25

HAZET No.	EAN-No. 4000896+
1787 F/5	133017

3-Arm Quick-Clamping Puller



E

- With quick-clamping device
- Provides uniform load distribution, safe gripping and centred pulling action
- Nitrided spindle – extra hard maintenance-free – no lubrication necessary
- Can be equipped with hydraulic spindle 1786 H-01, 02 from thread size G 1/2" on

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1786 F- 9	90	100	M14x1,5x140	3,0	133505
1786 F-13	130	100	M14x1,5x140	3,0	133529
1786 F-16	160	150	G 1/2x210	5,0	133536
1786 F-20	200	150	G 1/2x210	5,0	133567
1786 F-25	250	200	G 3/4x280	7,5	133574

Puller Hook with Quick-Clamping Device



For pullers 1786 F and 1787 F (per piece)

HAZET No.	st max. mm	EAN-No. 4000896+
For 1786 F-9 13 1787 F-9 13		
1787 F-0913	100	136117
For 1786 F-16 20 1787 F-16 20		
1787 F-1620	150	136124
For 1786 F-25 35 1787 F-25 35 1787-52		
1787 F-2552	200	136131

Puller Hook without Quick-Clamping Device



Per piece
for pullers
1786 F-25 35
1787 F-25 35
1787-52

HAZET No.	st max. mm	EAN-No. 4000896+
1787-2552	200	136148
1787 Lg-0913	200	136155
1787 Lg-1620	300	136162
1787 Lg-2552	305	136179
1787 Lg-2552/4	406	136186
1787 Lg-2552/5	504	136193

2-Arm Puller Set



E

- With slender hooks
- "3 in 1"
- 6 slender forged hooks of 3 different lengths
- Ideal for working in areas with restricted access
- 2 hooks each

HAZET No.	sb max. mm	st max. mm	EAN-No. 4000896+
Spindle M 14 x 1.5 x 140 mm max. 3 tons 2 hooks each 1786 S-100 -200 -250 mm long			
1787 S-1	130	100-200-250	133222
Spindle G 1/2 x 210 mm max. 5 tons 2 hooks each 1786 S-150 -220 -300 mm long			
1787 S-2	200	150-220-300	133239

Appropriate puller hooks see next page ►

Slender Puller Hook

Per piece,
for Puller Sets 1786 S-1 and S-2
as well as 1787 S-1 and S-2

HAZET No.	s <i>t</i> max. mm	EAN-No. 4000896+
1786 S-100	100	134762
1786 S-150	150	134816
1786 S-200	200	134779
1786 S-220	220	134823
1786 S-250	250	134786
1786 S-300	300	134830

3-Arm Puller Set



- With slender hooks
- "3 in 1"
- 9 slender **forged hooks** of 3 different lengths
- Ideal for working in areas with restricted access
- 3-arm design, 3 hooks each
- Provides uniform load distribution, safe gripping and centred pulling action

HAZET No.	s <i>b</i> max. mm	s <i>t</i> max. mm	EAN-No. 4000896+
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Spindle M14 x 1.5 x 10 mm
max 3 tons
3 hooks each 1786 S-100 -200 -300 mm long
1786 S-1 130 100-200-250 133246

Spindle G 1/2 x 210 mm
max. 5 tons
3 hooks each 150 - 220 - 300 mm long
1786 S-2 200 150-220-300 133932

Slender Puller Hook

Per piece,
for Puller Sets 1786 S-1 and S-2
as well as 1787 S-1 and S-2

HAZET No.	s <i>t</i> max. mm	EAN-No. 4000896+
1786 S-100	100	134762
1786 S-150	150	134816
1786 S-200	200	134779
1786 S-220	220	134823
1786 S-250	250	134786
1786 S-300	300	134830



Quick-Clamping Puller Set



- With 3 hooks
- Ideal basic set with quick-clamping device
- To be used as internal and external puller by inverting the hooks
- Slender hooks especially suited for thread repair (as standard hooks cannot be used in areas with restricted access)
- Safe tool storage and clear arrangement in assortment case
- 6 pieces, contents:
1 spindle M 14 x 1.5 x 140 mm 1786-01
1 pc. 2-arm and 1 pc. 3-arm crossbar 1786-21 and -31
3 slender puller hooks (100 mm long)

HAZET No.	s <i>b</i> max. mm	s <i>t</i> max. mm	Spindle	EAN-No. 4000896+
1786 FS/6	90	100	M 14x1,5x140	133871

Puller Set



- With 9 hooks
- Professional set for all current clamping widths and depths (100-250 mm)
- Safe tool storage and clear arrangement in plastic case
- 12 pieces, contents:
1 spindle M 14 x 1.5 x 140 mm 1786-01
1 pc. 2-arm and 1 pc. 3-arm crossbar 1786-2 -3
3 puller hooks of each length: 100, 200, 250 mm

HAZET No.	s <i>b</i> max. mm	s <i>t</i> max. mm	EAN-No. 4000896+
1786 S/12	120	100-200-250	133888

Hydraulic Puller Set



- "Power Pull"
- Robust and proven design with quick-clamping device
- The advantages of a quick-clamping puller and a hydraulic spindle in one set
- Very cost saving due to good composition of the set
- Basic hydraulic set, ideal for commercial vehicles and trucks
- 7 pieces in plastic case
- Hex Head Wrenches ≤ 3 mm
2-arm and 3-arm crossbar 1786-22 and -33
grease hydraulic pressure spindle 1786 H-01 - 1/2"
- 3 puller hooks with quick-clamping device 1787 F-1620 (150 mm long)

HAZET No.	s <i>b</i> max. mm	s <i>t</i> max. mm	Spindle	Max. to.	EAN-No. 4000896+
1786 FH/7	160	75	1786 H-01	15	133802

Grease Hydraulic Pressure Spindle



- "Tuning for your puller", e.g. for series 1786 and 1787
- Designed for safe and controlled pulling work
- Replaces a mechanic standard spindle
- Considerable reduction of force expenditure
- Maximum stroke 12 mm

HAZET No.	Thread (G)	l mm	Max. to.	EAN-No. 4000896+
1786 H-01	1/2"	350	12	133024
1786 H-02	3/4"	420	12	133130
1786 H-03	1"	465	15	133147

3-Arm Puller



- **New quick pulling system**
- Precisely manufactured head allowing quick and accurate application
- High-quality steel and thermo-chemical treatment providing a high pressure capacity of the spindle and a high tensile capacity of the hooks
- Flexible, interchangeable spindle tip provides various application possibilities
- Hooks open by simple rotation and enclose automatically the part to be pulled out, even for vertical application (no readjustment necessary)
- Encapsulated mechanics, maintenance-free

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1785-150	150	130	G 1/2x250	6.5	133154
1785-250	250	250	G 1/2x350	6.5	133161

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

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1784-40	60	40	M10x1,5x 60	0.5	133482
1784-60	60	60	M10x1,5x 80	0.5	133499
1784-80	70	80	M10x1,5x100	0.5	133512

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
- Very robust, with drop-forged hooks

3-arm design

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1785-40	60	40	M10x1,5x 60	0,75	133659
1785-60	60	60	M10x1,5x 80	0,75	133338
1785-80	70	80	M10x1,5x100	1,0	133369

Universal Puller



- For pulling off toothed wheels and ball bearings
- Puller hooks can be used from both sides; hooks with one narrow side for areas with restricted access
- Special steel
- Surface galvanized

2-arm design

HAZET No.	sb max. mm	st max. mm	Max. to.	EAN-No. 4000896+
Spindle M18 x 1.5 x 70 mm max. 5 tons				
1783-16	160	130	5	136056
Spindle M18 x 1.5 x 170 mm max. 5 tons				
1783-22	220	170	5	136063



- For pulling off toothed wheels and ball bearings
- Puller can be used from both sides; hooks with one narrow side for areas with restricted access
- Special steel
- Surface galvanized

Universal Puller

3-arm design

HAZET No.	sb max. mm	st max. mm	Max. to.	EAN-No. 4000896+
Spindle M18 x 1.5 x 70 mm max. 5 tons				
1789-16	160	130	5	136070
Spindle M18 x 1.5 x 170 mm max. 5 tons				
1789-22	220	170	5	136087



- **Rugged and proven design**
- For the removal of ball bearings, pulleys, sprockets, etc.
- Ideal for the removal of V-belt pulleys and flywheels on long shafts
- Application and cost advantages due to:
 - variable clamping depth
 - automatic gripping of hooks
- Rugged design, drop-forged

2-arm design

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1784 N-9	90	100	M 12x1,5x110	1	133543
1784 N-13	130	140	M 14x1,5x140	2	133550
1784 N-20	200	210	M 18x1,5x200	5	133581
1784 N-25	250	260	G 1/2x250	8	133604
1784 N-28	280	390	G 1/2x250	8	133611
1784 N-42	420	480	G 1/2x250	8	133642



- **Rugged and proven design**
- For the removal of ball bearings, pulleys, sprockets, etc.
- Ideal for the removal of V-belt pulleys and flywheels on long shafts
- Application and cost advantages due to:
 - variable clamping depth
 - automatic gripping of hooks
- Rugged design, drop-forged

3-arm design

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1785 N-9	90	100	M 12x1,5x110	2	133383
1785 N-13	130	140	M 14x1,5x140	3	133390
1785 N-20	200	210	M 18x1,5x200	8	133413
1785 N-25	250	260	G 1/2x250	12	133444
1785 N-28	280	390	G 1/2x250	12	133451
1785 N-42	420	480	G 1/2x250	12	133475

Pullers from HAZET
Practical and proven
tools in forged quality
“Made in Germany”



HAZET
www.hazet.com

Puller



- **With slender hooks**
- Especially appropriate for removing bearings located in areas with restricted access
- **1782-1 with extra slender hooks**
- Automatic gripping of hooks due to scissor-like hook action
- High tractive power due to scissor-type joint
- Manageable and rugged design, with drop-forged hooks

HAZET No.	sb max. mm	st max. mm	Spindle	Max. to.	EAN-No. 4000896+
1782-1	80	85	M 10 x 105	2	133406
1782-2	80	85	M 10 x 105	2	133420
1782-3	120	120	M 14 x 1,5 x 130	4	133437
1782-4	120	150	M 14 x 1,5 x 205	4	133468

Counter Stay



- For Internal Extractors HAZET 1788 N-15 up to -70
- Special steel
- Surface chrome-plated

HAZET No.	Spindle	EAN-No. 4000896+
For Internal Pullers 1788 N-15 up to 35		
1788 N-835	M 10	134854
For Internal Pullers 1788 N-45 up to 70		
1788 N-4570	M 14 x 1,5 mm	134908

Internal Extractor



- For extracting ball bearings, outer rings and bushings
- Special steel

to be used with Counter Stays
HAZET 1788 N-835 and -4570

HAZET No.	Ø mm	Thread	EAN-No. 4000896+
1788 N-15	12-15	M 10	134861
1788 N-19	15-19	M 10	134878
1788 N-25	19-25	M 10	134885
1788 N-30	25-30	M 10	134892
1788 N-35	30-35	M 10	134915
1788 N-45	35-45	M 14 x 1,5	134502
1788 N-55	45-55	M 14 x 1,5	136209
1788 N-70	55-70	M 14 x 1,5	136216

Internal Extractor Set



Well-proven tool sets clearly arranged in practical sheet metal cases

HAZET No.	EAN-No. 4000896+
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Extraction of ball bearings, collars and bushings

Set of 5 pieces:
1 Counter Stay 1788 N-835
4 Internal Extractors
Ø 12-15 mm (1778 N-15),
Ø 15-19 mm (1778 N-19),
Ø 19-25 mm (1778 N-25),
Ø 25-30 mm (1778 N-30)

1788 N/5 133178

Extraction of ball bearings, outer rings and bushings

Set of 8 pieces:
2 Counter Stays 1788 N-835, 1788 N-4570
6 Internal Extractors
Ø 12-15 mm (1778 N-15),
Ø 15-19 mm (1778 N-19),
Ø 19-25 mm (1778 N-25),
Ø 25-30 mm (1778 N-30),
Ø 30-35 mm (1778 N-35),
Ø 35-45 mm (1778 N-45)

1788 N/8 133185

Internal Extractor Set



- With **titanium nitrided** surface extra-hard and wear-resistant
- For tightly-packed ball bearings, collars, bushings and shaft seals Simmer®
- Made of high-quality, flexible material
- Absolutely precise manufacturing accuracy providing a higher power transfer
- Easy application
- Higher spreading ranges
- To be used with impact extractor (sliding hammer) or counter stay
- Well-composed set
- Hard and wear-resistant titanium nitrided surface providing a better and heat-resistant surface protection
- **Application:**
- Insert internal extractor into bearing and screw in spindle
- The sharp shells press behind the part to be removed
- Place impact extractor (sliding hammer) or counter stay in position

HAZET No.	Thread	EAN-No. 4000896+
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Set of 5 pieces in plastic case:
4 Internal Extractors 5 up to 8.5 / 8 up to 15 / 15 up to 24 / 25 up to 36 mm
1 Sliding Hammer with coupler thread M 10

1788 T/5 - 133666

Sliding hammer with coupler thread M 10
For extracting caps with internal thread, ball bearings, washers, etc.
to be used with Internal Extractor Sets 1788 T-1/16 and 1788 N-15 up to 35

1788 T-1 M10 134304

Internal Extractor 5 up to 8.5 mm

1788 T-8,5 M10 134311

Internal Extractor 8 up to 15 mm

1788 T-15 M10 134328

Internal Extractor 15 up to 24 mm

1788 T-24 M10 134434

Internal Extractor 25 up to 36 mm

1788 T-36 M10 134441

Stud Bolt Set



For the removal of different caps with internal thread
Stud bolt set, 6 pieces, with M 10 coupler thread consisting of:
1 piece each threaded insert
M 4, M 5, M 6, M 8, M 10, M 12

To be used with sliding hammer 1788T-1

HAZET No.	EAN-No. 4000896+
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1788 T-1/6 141647

Stud Bolt Set

HAZET No.	EAN-No. 4000896+
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Sliding hammer with coupler thread M 10
For extracting caps with internal thread, ball bearings, washers, etc.
to be used with Internal Extractor Sets 1788 T-1/16 and 1788 N-15 up to 35

1788 T-1 134304

Puller



- For extracting ball bearings, roller bearings and inner rings
- In conjunction with Separator HAZET 1775-60 75 115
- For the connection with the separators the tension bolts are screwed into the threaded holes of the separation jaws
- Special steel
- Surface galvanized/burnished

HAZET No.	sb mm	Spindle	EAN-No. 4000896+
1775 N-12	40-120	M14x120	134922
1775 N-16	60-165	M18x170	134588
1775 N-21	70-215	G 1/2x210	134618

Extension



- **Per pair**
- Surface burnished

HAZET No.	l mm	EAN-No. 4000896+
for 1775-12 and -16		
1775 N-012	100	134366
for 1775-21		
1775 N-021	100	134373

Separator



- The separator is closed by tightening equally the nuts on the stud bolts
- Special steel
- Surface galvanized/burnished

HAZET No.	Ø mm	Thread	EAN-No. 4000896+
1775 N-60	5-60	M10	135936
1775 N-75	12-75	M10	134540
1775 N-115	22-115	M14x1,5	134656

Separator and Puller Set



- For very confined spaces and tightly adjusted bearings
- Separator and puller with extension
- For extracting ball bearings, roller bearings and inner rings
- The tension bolts are screwed into the threaded holes of the separation jaws
- The separator is closed by tightening equally the nuts on the stud bolts
- Sets of 4 pieces in sheet metal cases

HAZET No.	sb max. mm	EAN-No. 4000896+
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Set of 4 pieces:
1 Puller 1775 N-16 sb 60 - 165 mm
1 Separator 1775 N-75 Ø 12 - 75 mm
2 Extensions (pair) 1775 N-012 / 100 mm

1775 N/4 12-75 133208

Set of 4 pieces:
1 Puller 1775 N-21 sb 70 - 215 mm
1 Separator 1775 N-115 Ø 22 - 115 mm
2 Extensions (pair) 1775 N-021 / 100 mm

1775 N-1/4 22-115 133215

Made in Germany

HAZET
Ingenious Tools



Pullers / Extractors

Ball Bearing Extractor Set



- Considerably easier application than existing systems on the market providing more efficiency and productivity
- Suitable for more than 40 standard ball bearings up to size 6311
- For removing ball bearings mounted on shafts and located in housings
- User-friendly device prevents the hooks from falling off
- 100 % power transmission due to self-gripping closure
- Straight pulling action – slipping-off is impossible
- The new design provides the highest possible functionality

HAZET No. 4000896+ EAN-No. 4000896+

20 pieces					
Bearing	Hook	Head	Bearing	Hook	Head
6000	1778-10	1778-3	6200	1778-10	1778-2
6001	1778-10	1778-2	6201	1778-20	1778-3
6002	1778-10	1778-1	6202	1778-20	1778-2
6003	1778-10	1778-2	6203	1778-30	1778-2
6004	1778-30	1778-1	6204	1778-40	1778-2
6005	1778-30	1778-1	6205	1778-40	1778-1
6006	1778-30	1778-1	6300	1778-30	1778-1
6007	1778-40	1778-1	6301	1778-40	1778-1
6008	1778-40	1778-1	6302	1778-40	1778-3
6009	1778-40	1778-1	6303	1778-40	1778-3
6010	1778-40	1778-1	6304	1778-40	1778-3
1778-1/20			133673		

20 pieces					
Bearing	Hook	Head	Bearing	Hook	Head
6011	1778-50	1778-4	6306	1778-60	1778-5
6012	1778-50	1778-4	6307	1778-60	1778-5
6206	1778-50	1778-4	6308	1778-70	1778-5
6207	1778-50	1778-4	6309	1778-70	1778-5
6208	1778-60	1778-4	6310	1778-70	1778-5
6209	1778-60	1778-4	6311	1778-70	1778-5
6210	1778-60	1778-4	6403	1778-60	1778-4
6211	1778-60	1778-4	6404	1778-70	1778-4
6212	1778-70	1778-4	6405	1778-70	1778-6
6213	1778-70	1778-6	6406	1778-70	1778-6
6305	1778-60	1778-6	6407	1778-60	1778-6
1778-2/20			133680		

40 pieces (complete set), consisting of 1778-1/20 and 1778-2/20 for ball bearings 6000 up to 6407

1778-3/40 133697

Spindle M 10 x 1.5 x 150

1778-01 134458

Spindle M 14 x 1,5 x 175

1776-02 134557

Threaded Adapter

1778-010 134663

Receptacle 3/1-partition

1778-1 134465

Receptacle 4/1-partition

1778-2 134472

Receptacle 3/7-partition

1778-3 134489

Receptacle 3/1-partition

1778-4 134564

Ball Bearing Extractor Set

HAZET No.	EAN-No. 4000896+
Receptacle 4/1-partition	
1778-5	134571
Receptacle 3/7-partition	
1778-6	134595
Ring for bearing 6407	
1778-7	134670
Ring for bearing 6310	
1778-8	134649
Ring for bearing 6311	
1778-9	134687
Extractor Hooks, set of 4 pieces	
1778-10	134496
1778-20	134519
1778-30	134526
1778-40	134533
1778-50	134601
1778-60	134625
1778-70	134632

Removal and Assembly Fork



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

HAZET No.	l_1 mm	l_2 mm	l_3 mm	EAN-No. 4000896+
1780-18	340	80	18	133345
1780-23	340	80	23	133352
1780-29	350	90	29	133376

Ball Joint Puller



- For removing **ball joint pivots** of steering tie rods, stabilizers, etc.
- Special steel
- Surface galvanized
- a = Span of the jaw

HAZET No.	a mm	b mm	c mm	EAN-No. 4000896+
1779-18	18	36,5	35	136001
1779-23	23	45,0	48	136018
1779-27	29	61,5	63	136025
1779-37	39	62,0	78	136032
e.g. for commercial vehicles MAN, MERCEDES-BENZ, etc.				
1779-55	55	77	80	136407

Universal Ball Joint Puller



- For removing the **ball joint pivots** of pitman arms, steering tie rods, steering knuckles, stabilizers, etc.
- Span of jaw 18-23 mm
- Great clamping range due to continuous vertical adjustment and turn-over of the lower part
- Special steel

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



- For removing the **ball joint pivots** of steering tie rods, stabilizers, etc. on almost all vehicle types
- Span of jaw 20 mm
- Clamping range in 2 stages
stage 1: up to 30 mm
stage 2: up to 50 mm
- On FORD, BMW, VOLVO, TOYOTA, OPEL, VW-AUDI, RENAULT

HAZET No.	sb mm.	a mm	EAN-No. 4000896+
1779-2	12-50	20	135981

Ball Joint Puller



- For removing the **ball joint pivots** of pitman arms, steering tie rods, steering knuckles, stabilizers, etc.
- Span of jaw 50-80 mm
- Length of the jaw 35 mm

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

Universal Ball Joint Puller



- For removing the **ball joint pivots** of pitman arms, steering tie rods, stabilizers, etc. on almost all vehicle types
 - Sturdy execution and deep location groove enabling a safe and universal application e.g. for light commercial vehicles
 - Special steel
 - Surface galvanized
- a = Span of the jaw

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



- For removing the **ball joint pivots** of pitman arms, steering tie rods, stabilizers, etc. on heavy commercial vehicles
 - Sturdy execution and deep location groove enabling a safe and universal application
 - Special steel
 - Surface zinc-yellow passivated (free from Cr 6)
- a = Span of the jaw

HAZET No.	sb max mm.	a mm	EAN-No. 4000896+
For heavy commercial vehicles			
1790-3	85	40	145454

Ball Joint Puller



- For removing **ball joint pivots on vehicles with multi-link axle** e.g. AUDI A6 and A8, VW Passat, Golf
- **Mechanical**
- Special steel
- Surface zinc-yellow passivated (free from Cr 6)

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

Ball Joint Puller



- For the safe removing of **ball joint pivots** and ball joints
- **Supported by hydraulic system**
- Special steel
- Surface zinc yellow passivated (free from Cr 6)

HAZET No.	sb mm	a mm	EAN-No. 4000896+
For passenger cars, vans, commercial vehicles			
1790-5	70	30-34	145461
For commercial vehicles, busses and building machinery			
1790-6	85	36-40	145478

Universal Wheel Hub Puller



- Sliding and interchangeable pulling hooks
- With 5 hooks
- Special steel
- Surface galvanized

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

Pulley Extractor



Pulley Extractor



- For **pulleys on passenger cars** up to 132 mm Ø
- Esp. appropriate for areas with restricted access
- With extraction hook for effective depth up to 68 mm or with extension up to 88 mm
- 1 additional cross piece for pulleys of 132-195 mm Ø
- Special steel
- Surface galvanized

HAZET No.	EAN-No. 4000896+
1789-1	136360

Steering Wheel Extractor



- **For passenger cars**
- Esp. for OPEL and FORD and other vehicles
- Clean and quick removal of tight fitting steering wheels
- Practical design
- Contents: 1 pair each short and long hooks (up to 135 mm) as well as 1 protection cap für pitman thread

HAZET No.	sb mm	Spindle	EAN-No. 4000896+
1777-1/6	35-90	M 14 x 1,5 x 140	133192

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
- Special steel
- Surface galvanized

HAZET No.	sb mm	st mm	Spindle	EAN-No. 4000896+
1776- 85	90	85	M 18 x 1,5 x 130	135943
1776-100	90	100	M 18 x 1,5 x 130	135950
1776-140	150	140	G 1/2 x 175	135967