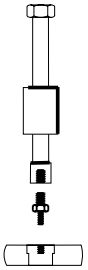
1.81/1 + 2
SET OF THREADED INSERTS
for 1-hole uses

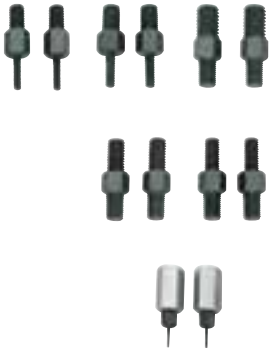


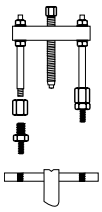
› The threaded inserts make the removal of threaded caps, for example, possible, when these possess one threaded hole
› No. 1.81/1: For sliding hammers 1.35/1, 1.35/2, counter-support brace 1.36/1
› No. 1.81/2: For sliding hammers 1.35/2, 1.36/2, counter-support brace 1.36/3

Connecting thread M	kg	Code	No.
M10 - M4	0.340	1120727	1.81/1
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			

Connecting thread M	kg	Code	No.
M14x1,5 - M8	0.490	1120743	1.81/2
M14x1,5 - M10			
M14x1,5 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

1.81/10 + 20
SET OF THREADED INSERTS
for 1-hole and 2-hole uses, 2 each





› The threaded inserts make the removal of threaded caps, for example, possible, when these possess one or two threaded holes
› No. 1.81/10: For separator puller 1.38/0, 1.38/1
› No. 1.81/20: For separator puller 1.38/2

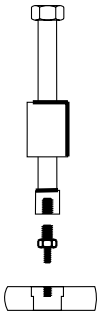
Connecting thread M	kg	Code	No.
M10 - M4	0.670	1120735	1.81/10
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			

Connecting thread M	kg	Code	No.
M14x1,5 - M8	1.222	1120751	1.81/20
M14x1,5 - M10			
M14x1,5 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

1.81/K
SET OF THREADED INSERTS
for 1-hole uses

1.81/K-1

1.81/K-12



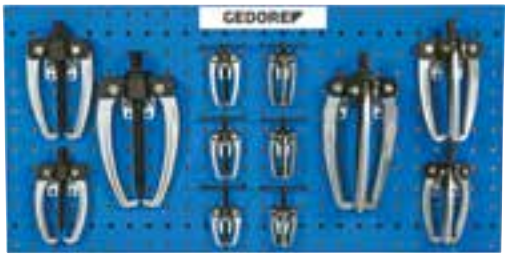
› The threaded inserts make the removal of threaded caps, for example, possible, when these possess one threaded hole
› No. 1.81/K-1: With sliding hammer 1.35/1, rod 230 mm and impact weight 200 g
› No. 1.81/K-12: With sliding hammer 1.35/1A, rod 230 mm and impact weight 700 g, adaptor M14x1,5
› In robust plastic case, 275 x 229 x 83 mm

Connecting thread M	kg	Code	No.
M10 - M4	1.000	1936549	1.81/K-1
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			

Connecting thread M	kg	Code	No.
M10 - M4	1.830	1936557	1.81/K-12
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

Add-on systems

1.18/1.19
PULLER SET

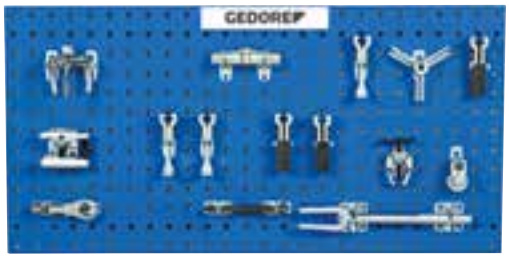


- This perforated panel offers place for 12 pullers of the series 1.18 and 1.19
- For clamping depths up to Ø 200 mm and clamping reach up to 200 mm
- Delivery includes perforated panel

Contents		kg	Code	No.
2-arm Puller **1.18/1 1.18/2 1.18/3** **3-arm Puller** **1.19/1 1.19/2 1.19/3**	**2-arm-Fan puller** **1.18/0 1.18/01 1.18/02** **3-arm Fan puller** **1.19/0 1.19/01 1.19/02**	21.0	1824007	1.18/1.19

2.10
AUTOMOBILE WORKSHOP SET

Add-on system



- 2- and 3-arm puller set
- Clearly arranged module system
- Everything at hand on perforated wall-board

Contents		kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **3 pulling legs 100 mm, No. 106/A-100-N** **3 pulling legs slim pattern 100 mm, No. 106/A-100-S**	**1 battery-terminal puller, 2-arm pattern 60x40 mm, No. 1.12/02** **1 nut splitter 17-24 mm, M10-M16, No. 1.26/2** **1 stud extractor 8-19 mm, No. 1.28/2** **1 dismantling and assembly fork 23 mm, No. 1.70/2** **1 universal ball joint puller 65x23 mm, No. 1.73/1** **1 oil filter hook 3-arm pattern 60-120 mm, No. 1.75/1**	13.3	1088696	2.10

2.20
TRUCK WORKSHOP SET

Add-on system

- 2- and 3-arm puller set incl. separator
- Clearly arranged module system
- For clamping depths up to Ø 200 mm external, Ø 260 mm internal, and clamping reach up to 300 mm
- With this set, you will be able to assemble 12 of the usual versions including hydraulic spindle, in seconds
- 2-arm cross-beams with scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Everything at hand on perforated wall-board

Contents	kg	Code	No.	No.
1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03 **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1**	**3 pulling legs 150 mm, No. 106/B-150-N** **3 pulling legs slim pattern 220 mm, No. 106/B-220-S** **3 pulling legs slim pattern 220 mm, No. 106/B-220-S** **1 bearing separator 22-115 mm, No. 1.40/2**	23,3	1088718	2.20

MANUFACTURING PROCESS OF A 2-ARM 1.06 PULLER

CROSS-BEAM

1

Blank
from hard and tempered steel cut from the bar.

2

"Pre-upsetting"
Mighty hammer blows drop-forge the cut-to-length forging into the hot "pre-form".

3

Rough-forging
Powerful drop-hammer blows contour the cross-beam in the first die-sinking.

4

Final forging
The cross-beam obtains its ultimate shape in the second die-sinking.

5

De-burring
Excess burr is removed under an eccentric press.

6

Forged blank
Ready for further processing and finishing.

7

Calibrating
The width of the leg guide is calibrated and sand-blasted. Important for the following operations.

8

Grinding
Grinding the cross-beam on all sides.

9

Milling the leg guide
The height of the leg guide is milled to size.

10

Drilling
Tapped hole is drilled.

11

Cutting
The thread for the spindle is cut.

12

Zinc-plating
Electro-galvanized for corrosion protection.

13

Stamping
Manufacturer and Item No. are stamped on in a permanent fashion.

14

Lasering
The check-tool marking is lasered.

SPINDLE

1

Blank
from hard and tempered steel cut from the bar.

2

Turning + drilling
Turn the spindle to measure and the drill hole for the spindle tip is inserted.

3

Rolling
The fine thread is rolled.

4

Nitro-carburating
Edge-layer hardening of the thread. The spindle is toughened at the edge and thus resistant to wear. The core remains "soft" and flexible and resiliently absorbs any stresses arising.

5

Riveting
Either the firm spindle tip is permanently riveted or the replaceable spindle tip inserted.

In line with the requirement, we hot-form the ideal steel for each puller sub-assembly.

CLAMPING PARTS

1

Blank
made of hard and tempered steel and cut to size from the bar.

2

Upsetting
Mighty hammer blows drop-forge the cut-to-length forging into the hot "pre-form".

3

Rough-forging
Powerful drop-hammer blows contour the clamping parts in the first die-sinking.

4

Final forging
The clamping parts obtain their ultimate shape in the second die-sinking.

5

Hot de-burring
Still hot excess burr is removed under an eccentric press.

6

Forged blank
Ready for further processing and finishing.

7

Calibrating
The clamping part is calibrated and sand-blasted.

8

Perforating
The two holes for connection with the leg are cold-holed.

9

Zinc-plating
Electro-galvanizing protects the clamping part from corrosion.

10
Mounting
A pin and a screw and/or the quick-release clamp are for connecting two clamping parts to the leg.

LEGS

1

Blank
made of 31CrV3 and cut to size from the bar.

2

Forging
Hot, drop-forged.

3

De-burring
Excess burr is removed under an eccentric press.

4

Calibrating
The leg is calibrated and sand-blasted.

5

Drilling
The holes for the clamps are drilled.

6

Milling
Milling provides the leg base with its optimum form.

7

Tempering
A special thermal treatment involving inert gas gives the leg its extreme hardness and toughness. Hardening ensures the required hardness and the annealing which follows imparts that toughness to the legs. Hardening and annealing together are referred to as tempering.

8

Sand-blasting
Sand-blasting is made use of to clean the surface before processing continues.

9

Zinc-plating
Electro-galvanizing protects the leg from corrosion.

10

Pressing-in
The connecting pin for the two clamping parts is pressed in.

2.30
INDUSTRIAL PULLING SET

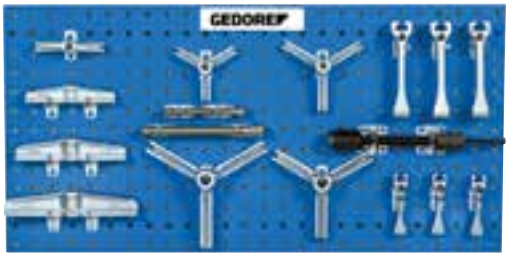
Add-on system

- 2- and 3-arm puller set
- For the assembly of the tried and tested 1.06 and 1.07 versions
- For clamping depths up to Ø 200 mm external, Ø 260 mm internal, and clamping reach up to 150 mm
- 2-arm cross-beams with scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Using this set, you will be able to assemble 12 of the usual versions with high-speed clamping legs, including hydraulic spindle, in seconds
- Everything at hand on perforated wall-board

Contents		kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 2-arm pattern 180 mm, No. 106/1A03** **1 cross-beam, 2-arm pattern 220 mm, No. 106/203** **1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03** **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 cross-beam, 3-arm pattern 180 mm, No. 107/1A03** **1 cross-beam, 3-arm pattern 220 mm, No. 107/203** **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03**	**1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 quick-release pulling legs 100 mm, No. 106/A-100-E** **3 quick-release pulling legs 150 mm, No. 106/B-150-E**	19.4	1393014	2.30

2.30-B
INDUSTRIAL PULLING SET WITH LEG BRAKE

Add-on system



- 2- and 3-arm puller set
- For the assembly of the tried and tested 1.06 and 1.07 versions
- For clamping depths up to Ø 210 mm external as well Ø 260 mm internal, and clamping reach up to 150 mm
- With this set, you will be able to assemble 12 of the usual versions with high-speed clamping legs, including hydraulic spindle, in seconds
- 2-arm cross-beams with scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Leg brake prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Everything at hand on perforated wall-board

Contents		kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 2-arm pattern 180 mm, No. 106/1A03** **1 cross-beam, 2-arm pattern 220 mm, No. 106/203** **1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03** **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 cross-beam, 3-arm pattern 180 mm, No. 107/1A03** **1 cross-beam, 3-arm pattern 220 mm, No. 107/203** **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03**	**1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 pulling legs, all steel, leg brake 100 mm, No. 106/A-100-B** **3 pulling legs, all steel, leg brake 150 mm, No. 106/B-150-B**	19.4	2017032	2.30-B

2.40
PULLING SET FOR CONSTRUC-TION MACHINES

Add-on system

- 2- and 3-arm puller set
- For the assembly of the robust and handy strap-pattern pulling tools 1.14 and 1.15
- For clamping depths up to Ø 280 mm and clamping reach up to 390 mm
- With this set, you will be able to assemble 10 of the usual flexible strap-pattern pulling tools from the range 1.14/1.15, including the new hydraulic spindle
- Everything at hand on perforated wall-board

Inhalt		kg	Code	No.
1 head 2-arm pattern No. 114/204 **1 head 2-arm pattern No. 114/304** **1 head 3-arm pattern No. 115/204** **1 head 3-arm pattern No. 115/304** **1 spindle 19 mm, M18x1.5, 200 mm, No. 1.1806200** **1 spindle 22 mm, G 1/2", 250 mm, No. 1.2106250**	**1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 pulling legs 210 mm, No. 114/201** **3 pulling legs 260 mm, No. 114/301** **3 pulling legs 390 mm, No. 114/401** **6 straps No. 114/208** **12 straps No. 114/308**	24,3	1393030	2.40

2.50
SET OF INTERNAL AND EXTERNAL EXTRACTORS

- Suitable for various applications of external or internal extraction
- Internal extractors for bores with Ø 5 - 55 mm. To use in connection with sliding hammer or counter-support braces
- External extractors with various clamping depths up to 130 mm
- Separators and pullers incl. extension rods, ideal for removing tightly-seated or thin-walled parts for outer diameter 5 - 115 mm
- Everything at hand on perforated wall-board

Contents	kg	Code	No.
1 internal extractor 5-8 mm, No. 1.30/0	29.0	2017040	2.50
1 internal extractor 8-12 mm, No. 1.30/1			
1 internal extractor 12-15 mm, No. 1.30/2			
1 internal extractor 15-19 mm, No. 1.30/3			
1 internal extractor 19-25 mm, No. 1.30/4			
1 internal extractor 25-30 mm, No. 1.30/4A			
1 internal extractor 30-35 mm, No. 1.30/5			
1 internal extractor 35-45 mm, No. 1.30/6			
1 internal extractor 45-55 mm, No. 1.30/7			
1 sliding hammer 230 mm, 700 g, No. 1.35/1A			
1 sliding hammer 500 mm, 1,7 kg, No. 1.35/2			
1 counter-support brace for 1.30/0 - 1.30/5, No. 1.36/1			
1 counter-support brace for 1.30/6 - 1.30/7, No. 1.36/2			
1 universal puller HIGH POWER 2-arm pattern 130x100 mm, No. 1.04/HP1A			
1 battery-terminal puller, 3-arm pattern 70x80 mm, No. 1.13/00			
1 puller 80x85 mm, No. 1.23/1S			
1 separator puller 40-120 mm, No. 1.38/0			
1 separator puller 70-215 mm, No. 1.38/2			
1 extension rod M10, No. 1.38/AV			
1 extension rod M14x1.5, No. 1.38/CV			
1 bearing separator 5-60 mm, No. 1.40/0			
1 bearing separator 22-115 mm, No. 1.40/2			

INDIVIDUAL WALL-BOARDS AVAILABLE ON REQUEST!

SAFETY NOTES PULLERS

- Read the operating instructions!
- Use only original spare parts and accessories for your GEDORE puller. Never use worn, modified or defective spare parts or accessories.
- Wear goggles and protective clothing when working. For added safety, use the GEDORE safety cover 5.10!
- Before pulling, ensure that the legs are in contact with the part to be pulled and are firmly tightened so that the spindle operates centrally along the axis of the puller.
- Attention! When using a puller, forces of up to several tons are generated! Take care to ensure that the puller is correctly positioned and is vertical to the component being pulled.
- Do not use electric or pneumatic power or percussion drivers.