



GEDORE

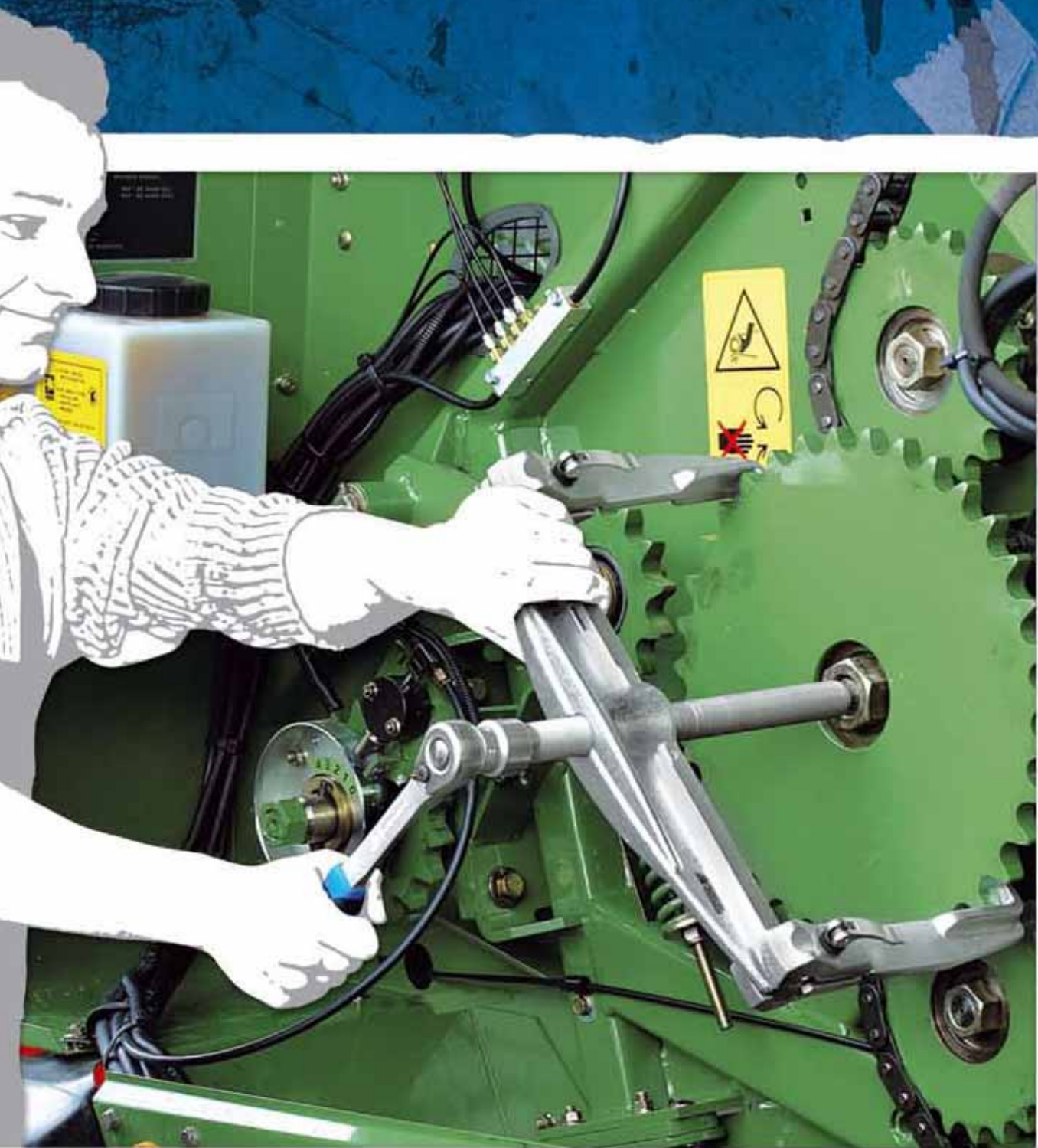


INNOVATIVE TECHNOLOGY POWERFUL PULLING

OVERVIEW

- ✔ Puller 2-arm pattern
- ✔ Puller 3-arm pattern
- ✔ Puller hydraulic
- ✔ Special tools
- ✔ Ball bearing extractor
- ✔ Bearing separator
- ✔ Internal extractor







Different requirements are placed on the various subassemblies of a puller. We take due account of this by hot forming the ideal steel for each subassembly.

2-ARM PULLERS

①

GEDORE cross-beams are hot forged in the forging die from hardened and tempered steel, giving them all the benefit of drop-forged components. A safety-relevant feature is the warning of overloading by the cross-beam bending. This is an extremely safety-conscious manufacturing process, taking account of the great forces used in pulling.

③

Our quick-release legs are hot forged from 31CrV3, hardened and tempered. They form a positive fit with the cross-beam. The quick-release leg ensures easy setting and adjustment of the legs.

②

The permanently laser-marked check tool markings (تسلسل) simplify the symmetrical alignment of the legs. This is a simple way of preventing any tilting during pulling, as a result of incorrectly positioned legs. The maximum spread is given by an end mark (I>).

④

The spindle is made from turned hardened and tempered steel. The fine thread is subsequently rolled. The additional strengthening of the steel gives the rolled thread a higher strength than a thread produced by cutting. The lower pitch of fine thread prevents unintentional slackening resulting from impacts. The nitro-carburised spindle is maintenance-free. No oiling or greasing necessary! The tip of the spindle is equally suited to centred and non-centred shafts.

LEG BRAKE

①

The leg brake secures forged solid steel legs from unintentional slipping

④

Positive joint between the leg and cross-beam.

②

The brake is unlatched by pressing on the release button. When the button is pressed, the leg can be slid along the cross-beam. Releasing the button locks the leg on the cross-beam. This minimizes the risk of accidents, resulting from legs slipping off.

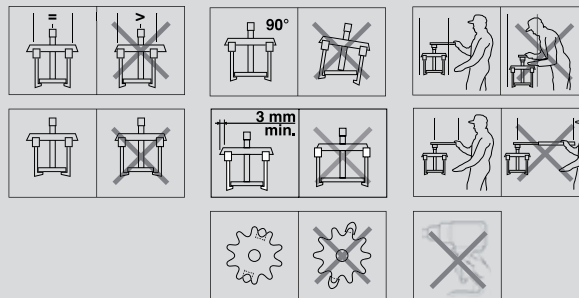
③

Legs hot forged from 31CrV3 steel, hardened and tempered.



SAFETY NOTES

- 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 more 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 tonnes 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.



SPINDLE SUMMARY

SPINDLE SUMMARY

- KS = ball tip, exchangeable

Code	No.	Size/Drive	Threads	usable length
1084739	129.106	14	M 10x1,5	160
1084445	1.1206110	14	M 12x1,5	110
1084747	129.206	14	M 12x1,75	195
1084453	1.1406050	17	M 14x1,5	50
1084461	1.1406125	17	M 14x1,5	125
1084488	1.1406140	17	M 14x1,5	140
1546821	1.1406140KS	17	M 14x1,5	140
1084798	144.15006	17	M 14x1,5	150
1084518	1.1406155	17	M 14x1,5	155
1576224	1.1406200	17	M 14x1,5	200
1084755	129.306	17	M 14x2,0	210
1084526	1.1806080	19	M 18x1,5	80
1084542	1.1806130	19	M 18x1,5	130
1084550	1.1806170	19	M 18x1,5	170
1084569	1.1806200	19	M 18x1,5	200
1084763	129.406	19	M 18x2,5	230
1084577	1.2106110	22	G 1/2"	110
1084585	1.2106160	22	G 1/2"	160
1084623	1.2106175	22	G 1/2"	175
1084593	1.2106210	22	G 1/2"	210
1546872	1.2106210KS	22	G 1/2"	210
1084631	1.2106250	22	G 1/2"	250
1084658	1.2106350	22	G 1/2"	350
1084771	129.506	22	M 20x2,5	235
1084666	1.2606180	27	G 3/4"	200
1084674	1.2606280	27	G 3/4"	280
1546910	1.2606280KS	27	G 3/4"	280
1084690	1.3306310	36	G 1"	310
1084704	1.3306360	36	G 1"	360
1084712	1.3306500	36	G 1"	500
1084720	1.4206270	41	G 1.1/4"	270



SAFETY COVER

5.10

SAFETY COVER SIZE 1

- At pulling forces of 18 t, these PVC safety covers provide maximum active-safety protection from suddenly detaching ball bearings, driving pinions or small parts. The safety covers are extremely flexible, making them suitable for all situations.
- Dimensions 510 x 915 mm
- Double-ply welded = double safety (total thickness at 0.5 mm = 1.0 mm)
- Tear strength: longitudinal 23 N/mm² lateral 21 N/mm²
- Two straps for variable adjustment
- Press stud fasteners for added safety - no flapping ends
- UV resistant
- Temperature resistant at -25°C to +50°C
- Storage in the supplied carry bag guarantees long service life



Code	No.	Weight
1868195	5.10	3.9

BEARING ASSEMBLY

1.85/1

PROFESSIONAL PLASTIC BEARING INSTALLATION SET

- The impact-resistant plastic is handily light, but just as robust as the metal variants
- Using this bearing installation set more than 200 types of bearings may be re-installed effortlessly and without damage
- Set comprises: 33 impact rings, 3 aluminium impact sleeves, 10-50 mm for external Ø 26-110 mm, 1 recoil-free bodywork hammer with nylon heads
- In a strong plastic case, dimensions 450 x 360 x 140 mm



Code	No.	Weight
1120778	1.85/1	5.2

Spindle pressure pads are listed on page 244



PULLER 2-/3-ARMS

1.04 PULLER

Concentrated power forged from steel

Working principle



①

The quick-action clamping device guarantees fast and uncomplicated setting and adjustment.

②

The legs with the T-profile guarantee the optimum positive transmission of force. Even the practical quick-action adjustment is protected by patent.



⑤

The tips of the spindle are equipped for different applications. Ball and tips can be easily and quickly exchanged.

The cross-beam is impressive with its clear design. The robust force arms are designed for the highest loads.

③

⑥

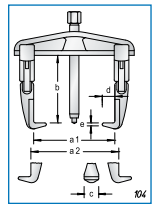
The setting scale (مقياس) is a visual aid to parallel alignment of the legs to the spindle, ensuring a uniform distribution of forces

The spindle is made from special high-grade steel. A special process during the thread manufacture and the thermo-chemical hardening guarantee the highest resistance force.

1.04

UNIVERSAL PULLER 2-arm pattern

- ✓ Cross-beam with bending-moment reinforcement
- ✓ Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- ✓ Cantilever design of legs enhances pulling power
- ✓ Quick-action legs
- ✓ Spindle with replaceable ball and tip
- ✓ Spindle thermo-chemically hardened
- ✓ Upgradeable with hydraulic spindle

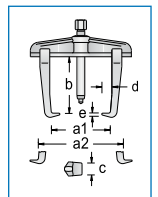


Code	No.	a ₁	a _{2 min}	a _{2 max}	b	Thread	Spindle	mm	c	d	e	max. t	Scale	Weight
1307703	1.04/1A	130	70	170	100	M 14x1,5 x 140		17	22	12	3.0	3.0	x	1.2
1307827	1.04/2A	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.4
1307940	1.04/3A	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	7.7

1.04/B

UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake

- ✓ Similar to universal puller no. 1.04/1A to 1.04/3A, but with rigid legs and leg brake
- ✓ Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- ✓ Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- ✓ Upgradeable with hydraulic spindle



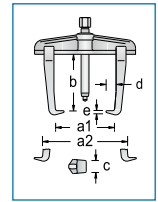
Code	No.	a ₁	a _{2 min}	a _{2 max}	b	Thread	Spindle	mm	c	d	e	max. t	Scale	Weight
1981110	1.04/1A-B	130	70	170	100	M 14x1,5 x 140		17	22	15	3.0	3.0	x	1.2
1981129	1.04/2A-B	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	3.4
1981137	1.04/3A-B	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	33	5.0	7.5	x	7.7



1.04/HP

UNIVERSAL PULLER HIGH POWER 2-arm pattern

- Cross-beam especially hardened and tempered allows safe application of extremely high pulling forces and doubles the tensile force capability
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Cantilever leg enhances power
- Spindle with replaceable ball and tip point
- Upgradeable with hydraulic spindle

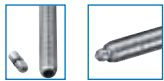
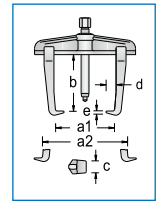


Code	No.	a ₁	a _{2 min}	a _{2 max}	b			mm	c	d	e	max. t	سلسله	
1868152	1.04/HP1A	130	70	170	100	M 14x1,5 x 140		17	22	12	3.0	6.0	x	1.2
1868160	1.04/HP2A	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	10.0	x	3.4
1868179	1.04/HP3A	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	15.0	x	7.7

1.04/HP-B

UNIVERSAL PULLER HIGH POWER 2-arm pattern, rigid legs with leg brake

- Similar to universal puller no. 1.04/HP1A to 1.04/HP3A, but with rigid legs and leg brake
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle

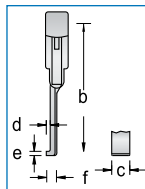


Code	No.	a ₁	a _{2 min}	a _{2 max}	b			mm	c	d	e	max. t	سلسله	
1981145	1.04/HP1A-B	130	70	170	100	M 14x1,5 x 140		17	22	15	3.0	6.0	x	1.2
1981153	1.04/HP2A-B	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	10.0	x	3.4
1981161	1.04/HP3A-B	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	15.0	x	7.7

1.04/E

PULLING LEGS set of 2 pieces

- Quick-release pulling legs (1 pair) for 1.04



Code	No.	تجزیه	b	c	d	e	
1308602	1.04/AT-E	1.04/1A	100	22	12	3.0	0.6
1308610	1.04/BT-E	1.04/2A	150	30	18	3.5	1.4
1308629	1.04/CT-E	1.04/3A	200	36	28	6.5	2.9

1.04/ST

PULLER SET on display stand

- Consisting of 1.04/1A, 1.04/2A, 1.04/3A



Code	No.	تجزیه	
1675982	1.04/ST	1.04/1A 1.04/2A 1.04/3A	15.2

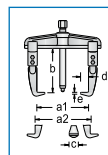
COROSTOP Pullers are listed on page 255



1.06

UNIVERSAL PULLER 2-arm pattern

- Strong drop forged design
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling
- Available extras are replaceable legs for various clamping reaches
- Upgradeable with hydraulic spindle

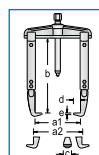


Code	No.	a ₁	a _{2 min}	a _{2 max}	b			mm	c	d	e	max. t		
8000230	1.06/1	90	60	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	x	1.1
8000310	1.06/1A	130	70	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	x	1.2
8000580	1.06/2	160	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.0
8000660	1.06/2A	200	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.5
8000740	1.06/3	250	125	330	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	7.2
8000820	1.06/3A	350	125	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	8.2
8000900	1.06/4	520	185	600	200	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	13.7
8112970	1.06/5	640	230	715	225	G 1 x 310	1.06/HSP3	36	50	33	10.0	18.0	-	23.5

1.06

UNIVERSAL PULLER 2-arm pattern, with extended legs

- Similar to universal puller no. 1.06/1 to 1.06/4, but with extended pulling legs
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle

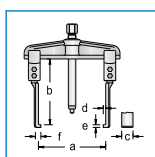


Code	No.	a ₁	a _{2 min}	a _{2 max}	b		 mm	c	d	e	max. t			
8108350	1.06/1-2	90	60	140	200	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.5	
8108430	1.06/1A-2	130	70	180	200	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.6	
8108510	1.06/2-3	160	80	220	300	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	4.1
8108780	1.06/2A-3	200	90	260	300	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	4.5
8001200	1.06/3-3	250	125	330	300	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	9.1
8108860	1.06/3A-3	350	125	420	300	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	9.8
8108940	1.06/4-3	520	185	600	300	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	x	15.2
8109080	1.06/3-4	250	125	330	400	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	10.0
8109160	1.06/3A-4	350	125	420	400	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	11.1
8109240	1.06/4-4	520	185	600	400	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	16.4
8109320	1.06/3-5	250	125	330	500	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	11.3
8112380	1.06/3A-5	350	125	420	500	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	12.2
8112460	1.06/4-5	520	185	600	500	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	19.0

1.06/S

UNIVERSAL PULLER 2-arm pattern, with slim legs

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required



Code	No.	a	b	 mm	c	d	e	max. t	
8113510	1.06/S1	100	100	M 14x1,5 x 140	17	27	7.5	3.7	2.0 x 1.0
8113780	1.06/S1A	140	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5 x 1.1
8114830	1.06/S2	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0 x 2.9
8114910	1.06/S2A	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0 x 3.2

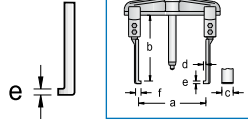




1.06/S-E

QUICK-ACTION PULLER 2-arm pattern, with slim legs

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Safe and quick removal of pulleys, wheels, ball bearings, etc.



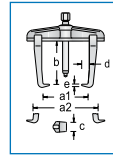
Code	No.	a	b		mm	c	d	e	max. t			
2015706	1.06/S1-E	100	100	M 14x1,5 x 140	17	27	7.5	3.7	2.0	x	1.0	
2015714	1.06/S1A-E	140	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	x	1.1	
2015722	1.06/S2-E	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	2.9	
2015730	1.06/S2A-E	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	3.2	



1.06

UNIVERSAL PULLER 2-arm pattern, with rigid legs

- Similar to universal puller no. 1.06/1 to 1.06/4, but with rigid pulling legs
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle

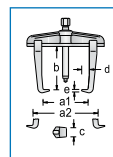


Code	No.	a ₁	a _{2 min}	a _{2 max}	b			mm	c	d	e	max. t		
8001470	1.06/11	100	50	140	100	M 14x1,5 x 140		17	22	15	3.0	3.0	x	0.9
8001040	1.06/1A1	140	60	180	100	M 14x1,5 x 140		17	22	15	3.0	3.0	x	1.3
8001550	1.06/21	170	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	2.7
8001120	1.06/2A1	210	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	3.3
8001630	1.06/31	250	125	340	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	6.6
8001390	1.06/3A1	340	125	430	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	7.5
8109400	1.06/41	520	185	610	200	G 1 x 310	1.06/HSP3	36	36	32	5.0	10.0	-	14.0

1.06/B

UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake

- Similar to universal puller no. 1.06/11 to 1.06/41, but with leg brake
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle

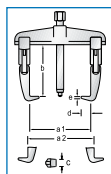


Code	No.	a ₁	a _{2 min}	a _{2 max}	b			c	d	e	max. t			
1956337	1.06/11-B	100	50	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	0.9	
1956345	1.06/1A1-B	140	60	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	1.3	
1956353	1.06/21-B	170	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	2.8
1956361	1.06/2A1-B	210	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	3.3
1956388	1.06/31-B	250	125	340	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	6.7
1956396	1.06/3A1-B	340	125	430	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	7.5
1958399	1.06/41-B	520	185	610	200	G 1 x 310	1.06/HSP3	36	36	32	5.0	10.0	-	14.0

1.06/E

QUICK-ACTION PULLER 2-arm pattern

- Safe and quick removal of pulleys, wheels, ball bearings, etc.
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling
- Upgradeable with hydraulic spindle



Code	No.	a ₁	a _{2 min}	a _{1 max}	b			 mm	c	d	e	max. t		
1213830	1.06/1-E	90	60	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	x	1.1
1215140	1.06/1A-E	130	70	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	x	1.3
1216570	1.06/2-E	160	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.0
1217720	1.06/2A-E	200	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.5
1218980	1.06/3-E	250	125	330	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	7.1
1220160	1.06/3A-E	350	125	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	8.2

Remember the safety cover!

205



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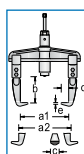
... www.gedore.com



1.06/HSP

UNIVERSAL PULLER hydraulic, 2-arm pattern

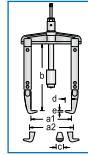
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling



Code	No.	a ₁	a ₂	b	mm	c	d	e	max. t	max. N·m	mm	mm
8000150	1.06/2-HSP1	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	x	3.6
8002870	1.06/2A-HSP1	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	x	4.0
8003170	1.06/3-HSP2	250	330	125	1.06/HSP2	36	28	6.5	7.5	14	x	7.5
8003920	1.06/3A-HSP2	350	420	125	1.06/HSP2	36	28	6.5	7.5	14	x	8.8
8004060	1.06/4-HSP3	520	600	90	1.06/HSP3	36	28	6.5	10.0	28	-	14.6
8004730	1.06/5-HSP3	640	715	110	1.06/HSP3	50	33	10.0	18.0	40	-	24.9

**1.06/HSP****UNIVERSAL PULLER hydraulic, 2-arm pattern, with extended legs**

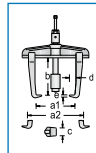
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling



Code	No.	a ₁	a ₂	b		c	d	e	max. t	max. N-m		
8005700	1.06/2-3-HSP1	160	220	225	1.06/HSP1	30	18	3.5	5.0	10	x	4.6
8005890	1.06/2A-3-HSP1	200	260	225	1.06/HSP1	30	18	3.5	5.0	10	x	5.0
8005970	1.06/3-3-HSP2	250	330	225	1.06/HSP2	36	28	6.5	7.5	14	x	9.6
8006940	1.06/3A-3-HSP2	350	420	225	1.06/HSP2	36	28	6.5	7.5	14	x	10.2
8007240	1.06/4-3-HSP3	520	600	190	1.06/HSP3	36	28	6.5	10.0	28	x	16.1
8007670	1.06/3-4-HSP2	250	330	325	1.06/HSP2	36	28	6.5	7.5	14	x	10.7
8007750	1.06/3A-4-HSP2	350	420	325	1.06/HSP2	36	28	6.5	7.5	14	x	11.8
8007830	1.06/4-4-HSP3	520	600	290	1.06/HSP3	36	28	6.5	10.0	28	-	17.4
8007910	1.06/3-5-HSP2	250	330	425	1.06/HSP2	36	28	6.5	7.5	14	x	11.8
8008480	1.06/3A-5-HSP2	350	420	425	1.06/HSP2	36	28	6.5	7.5	14	x	12.7
8008560	1.06/4-5-HSP3	520	600	390	1.06/HSP3	36	28	6.5	10.0	28	-	19.0

**1.06/HSP****UNIVERSAL PULLER hydraulic, 2-arm pattern, with rigid legs**

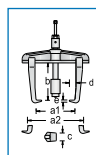
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling



Code	No.	a ₁	a ₂	b		c	d	e	max. t	max. N-m		
8008640	1.06/21-HSP1	170	220	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.3
8008720	1.06/2A1-HSP1	210	260	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.6
8008800	1.06/31-HSP2	250	340	115	1.06/HSP2	36	32	5.0	7.5	14	x	7.2
8008990	1.06/3A1-HSP2	340	430	115	1.06/HSP2	36	32	5.0	7.5	14	x	8.3
8009370	1.06/41-HSP3	520	610	80	1.06/HSP3	36	32	5.0	10.0	28	-	14.0

1.06/HSP-B**UNIVERSAL PULLER hydraulic, 2-arm pattern, rigid legs with leg brake**

- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Reversible legs for internal or external pulling

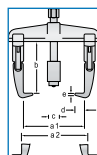


Code	No.	a ₁	a ₂	b		c	d	e	max. t	max. N-m		
1957899	1.06/21-B-HSP1	170	220	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.3
1957902	1.06/2A1-B-HSP1	210	260	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.6
1957910	1.06/31-B-HSP2	250	340	115	1.06/HSP2	36	32	5.0	7.5	14	x	7.2
1957929	1.06/3A1-B-HSP2	340	430	115	1.06/HSP2	36	32	5.0	7.5	14	x	8.3
1957937	1.06/41-B-HSP3	520	610	80	1.06/HSP3	36	32	5.0	10.0	28	-	14.0

1.06/HSP-E

QUICK-ACTION PULLER hydraulic, 2-arm pattern

- With quick-release legs
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling

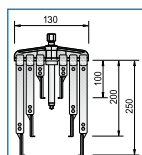


Code	No.	a ₁	a ₂	b	1.06/HSP1	c	d	e	max. t	max. N-m	1.06/HSP1	1.06/HSP1
1221256	1.06/2-E-HSP1	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	x	3.8
1221450	1.06/2A-E-HSP1	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	x	4.1
1221639	1.06/3-E-HSP2	250	330	125	1.06/HSP2	36	28	6.5	7.5	14	x	7.5
1221760	1.06/3A-E-HSP2	350	420	125	1.06/HSP2	36	28	6.5	8.0	14	x	8.7

1.06/AS

PULLER SET with 6 legs

- 2-arm puller, with 6 slim legs in 3 lengths
- Particularly suitable for barely-accessible places



Code	No.	1.06/AS	1.06/AS-2	e	1.06/AS	1.06/AS
8001710	1.06/AS	130	100 / 200 / 250	3.7	x	3.400
1675974	1.06/AS-2	200	150 / 220 / 300	5.0	x	8.060



1.06/ST

PULLER SET on display stand

- Consisting of 5 pullers each in different sizes with standard, rigid pattern, quick-release pulling legs or rigid legs with leg brake



1.06/ST



1.06/ST-E



1.06/ST1-B

Code	No.	1.06/ST	1.06/1A	1.06/2	1.06/2A	1.06/3	1.06/ST
8111570	1.06/ST	1.06/1	1.06/1A	1.06/2	1.06/2A	1.06/3	19.0
8111650	1.06/ST1	1.06/11	1.06/1A1	1.06/21	1.06/2A1	1.06/31	17.2
2004569	1.06/ST1-B	1.06/11-B	1.06/1A1-B	1.06/21-B	1.06/2A1-B	1.06/31-B	17.2
1322745	1.06/ST-E	1.06/1-E	1.06/1A-E	1.06/2-E	1.06/2A-E	1.06/3-E	19.2



1.06/HSP

HYDRAULIC PRESSURE SPINDLE

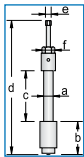
- For controlled and safe pulling work
- Set up for a pressure of 10 t, 12 t or 15 t

Preparation for use:

- Before using, check whether the pressure spindle is screwed far enough out of the cap, so that the pressure pad is in the initial position in the hydraulic cylinder.
- Unscrew the cap from the spindle body. For this purpose, first slacken off the grub screw.
- Screw the spindle body from beneath into the cross piece of the puller until the body protrudes approx. 60 mm from the cross piece.
- Screw the cap onto the spindle body until the stop, and then fix it in position by turning in the grub screw.

Use and operation: e.g. HSP3

- Place the puller into position and pre-tension the spindle body using a size 41 mm wrench.
- Screw the pressure spindle size 17 mm into the cap. The hydraulic effect will come into use. The stroke of the pressure pad in the hydraulic cylinder is max. 12 mm. The workpiece that has been loosened by the hydraulic force may be pulled off completely by turning the spindle body with the cap size 41 mm.
- Following its use, the pressure spindle (size 17 mm) is turned back into its initial position and the pressure pad pushed into the hydraulic cylinder.

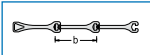


Code	No.	a	b	c	d	e	f	Stroke	max. t	
8116100	1.06/HSP1	1/2"	80	135	350	12	32	12	10	1.1
8116290	1.06/HSP2	3/4"	80	205	420	12	36	12	12	1.8
8116370	1.06/HSP3	1"	125	165	465	17	41	12	15	3.6

1.06/V

EXTENSION FOR PULLERS

- Rigid pattern drop forged
- Clamping reach to be extended indefinitely
- Delivery in pairs

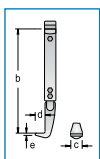


Code	No.	for hooks	$\frac{t}{b}$	
8036500	1.06/V100	1.06/A 1.06/100	100	0.4
8036690	1.06/V150	1.06/B 1.06/150	150	1.1
8036770	1.06/V200	1.06/C 1.06/200	200	2.5

1.06/A-D

PULLING LEGS set of 2 pieces

- In standard lengths

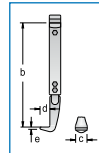


Code	No.	$\frac{t}{b}$	b	c	d	e	
8035020	1.06/A	1.06/1 1.06/1A	100	22	12	3.0	0.6
8035100	1.06/B	1.06/2 1.06/2A	150	30	18	3.5	1.5
8035290	1.06/C	1.06/3 1.06/3A 1.06/4	200	36	28	6.5	3.3
8114400	1.06/D	1.06/5	225	50	35	11.0	4.3

1.06/AV-EV

PULLING LEGS set of 2 pieces, long pattern

- In special lengths



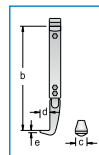
Code	No.	$\frac{t}{b}$	b	c	d	e	
8035370	1.06/AV	1.06/1 1.06/1A	200	22	12	3.0	1.0
8035450	1.06/BV	1.06/2 1.06/2A	300	30	18	3.5	2.7
8035530	1.06/CV	1.06/3 1.06/3A 1.06/4	300	36	28	6.5	4.8
8035610	1.06/DV	1.06/3 1.06/3A 1.06/4	400	36	28	6.5	5.9
8035880	1.06/EV	1.06/3 1.06/3A 1.06/4	500	36	28	6.5	7.4



1.06/D

PULLING LEGS set of 2 pieces

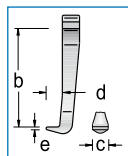
- In rigid pattern



Code	No.	$\frac{t}{b}$	b	c	d	e	
8112700	1.06/D-300	1.06/5	320	50	35	11.0	6.0
8112890	1.06/D-400	1.06/5	420	50	35	11.0	7.1
8113860	1.06/D-500	1.06/5	520	50	35	11.0	8.7

1.06
PULLING LEGS set of 2 pieces, rigid pattern

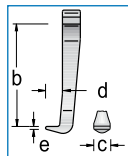
- Forged from one piece



Code	No.	1.06/11	1.06/1A1	b	c	d	e	1.06/11
8036260	1.06/100	1.06/11	1.06/1A1	100	22	15	3.0	0.4
8111490	1.06/150	1.06/21	1.06/2A1	150	30	24	3.5	1.2
8036420	1.06/200	1.06/31	1.06/3A1	200	36	32	5.0	2.7

1.06/B
PULLING LEGS set of 2 pieces, rigid pattern with leg brake

- Forged from one piece
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button



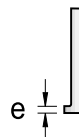
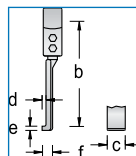
Code	No.	1.06/1A-B	1.06/HP1A-B	b	c	d	e	1.06/1A-B
1956418	1.06/100-B	1.06/1A-B	1.06/HP1A-B	100	22	15	3.0	0.4
1956426	1.06/150-B	1.06/2A-B	1.06/HP2A-B	150	30	24	3.5	1.2
1956434	1.06/200-B	1.06/3A-B	1.06/HP3A-B	200	36	32	5.0	2.7



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1.06/S
PULLING LEGS set of 2 pieces, slim pattern

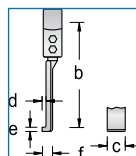
- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places



Code	No.	1.06/S1	1.06/S1A	b	d	e	c	f	1.06/S1
1175513	1.06/S100	1.06/S1	1.06/S1A	100	7.5	3.7	27	14.5	0.5
1175548	1.06/S200	1.06/S1	1.06/S1A	200	7.5	3.7	27	14.5	1.0
1175556	1.06/S250	1.06/S1	1.06/S1A	250	7.5	3.7	27	14.5	1.3
1554840	1.06/S100S	1.06/S1	1.06/S1A	100	7.5	2.0	27	14.5	0.5
1554859	1.06/S200S	1.06/S1	1.06/S1A	200	7.5	2.0	27	14.5	0.9
1554867	1.06/S250S	1.06/S1	1.06/S1A	250	7.5	2.0	27	14.5	1.0
1175564	1.06/S150	1.06/S2	1.06/S2A	150	7.0	5.0	40	15.5	1.3
1175572	1.06/S220	1.06/S2	1.06/S2A	220	7.0	5.0	40	15.5	1.7
1175580	1.06/S300	1.06/S2	1.06/S2A	300	7.0	5.0	40	15.5	2.2

1.06/S-E
QUICK-RELEASE PULLING LEGS set of 2 pieces, slim pattern

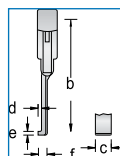
- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places



Code	No.	1.06/S1	1.06/S1A	b	d	e	c	f	1.06/S1
2015889	1.06/S100-E	1.06/S1	1.06/S1A	100	7.5	3.7	27	14.5	0.5
2015897	1.06/S200-E	1.06/S1	1.06/S1A	200	7.5	3.7	27	14.5	1.0
2015900	1.06/S250-E	1.06/S1	1.06/S1A	250	7.5	3.7	27	14.5	1.3
2015919	1.06/S100S-E	1.06/S1	1.06/S1A	100	7.5	2.0	27	14.5	0.5
2015927	1.06/S200S-E	1.06/S1	1.06/S1A	200	7.5	2.0	27	14.5	0.9
2015935	1.06/S250S-E	1.06/S1	1.06/S1A	250	7.5	2.0	27	14.5	1.0
2015943	1.06/S150-E	1.06/S2	1.06/S2A	150	7.0	5.0	40	15.5	1.3
2015951	1.06/S220-E	1.06/S2	1.06/S2A	220	7.0	5.0	40	15.5	1.7
2015978	1.06/S300-E	1.06/S2	1.06/S2A	300	7.0	5.0	40	15.5	2.2

1.06/E
QUICK-RELEASE PULLING LEGS set of 2 pieces

- Quick and uncomplicated setting-up and readjustment



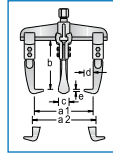
Code	No.	1.06/1-E	1.06/1A-E	b	c	d	e	1.06/1-E
1221213	1.06/A-E	1.06/1-E	1.06/1A-E	100	22	12	3.0	0.6
1221221	1.06/B-E	1.06/2-E	1.06/2A-E	150	30	18	3.5	1.5
1221248	1.06/C-E	1.06/3-E	1.06/3A-E	200	36	28	6.5	3.2



1.07

UNIVERSAL PULLER 3-arm pattern

- Even load distribution over 3 legs ensures secure grip and balanced pull
- Reversible legs for internal or external pulling
- Upgradeable with hydraulic spindle
- Legs available in different lengths for special situations



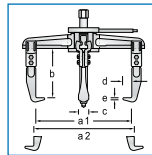
Code	No.	a ₁	a _{2 min}	a _{2 max}	b	Pin	Pin	mm	c	d	e	max. t	Weight
8113940	1.07/1	90	70	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.4
8114080	1.07/1A	130	80	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.6
8114160	1.07/2	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	3.6
8114240	1.07/2A	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	4.2
1541757	1.07/3	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	9.3



1.07/4

UNIVERSAL PULLER 3-arm pattern

- Particularly suitable for removing heavy, multistage pulley wheels, flywheels, gear wheels, etc.
- Pins are used to lock the arms at 120 degrees to each other on the hub
- The clamping reach may be extended to 490 mm by using extensions no. 1.07/CV, 1.07/DV and 1.07/EV
- Upgradeable with hydraulic spindle
- When used with the hydraulic aid 1.50, the puller needs no bush to reduce the size

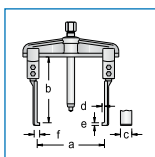


Code	No.	a ₁	a ₂	b	Pin	Pin	mm	c	d	e	max. t	Weight
8002440	1.07/4	450	530	200	G 1 x 360	1.06/HSP3	36	36	28	6.5	10	18.8
1958003	1.07/4A	580	640	200	G 1 x 360	1.06/HSP3	36	36	28	6.5	10	22.0

1.07/S

UNIVERSAL PULLER 3-arm pattern, with slim legs

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places



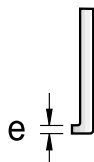
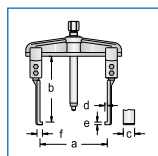
Code	No.	a	b	Pin	Pin	mm	c	d	e	max. t	Weight
8116450	1.07/S1	90	100	M 14x1,5 x 140		17	27	7.5	3.7	2.5	1.3
8116530	1.07/S1A	130	100	M 14x1,5 x 140		17	27	7.5	3.7	2.5	1.4
8116610	1.07/S2	160	150	G 1/2 x 210		22	40	7.0	5.0	5.0	3.6
8116880	1.07/S2A	200	150	G 1/2 x 210		22	40	7.0	5.0	5.0	3.9



1.07/S-E

QUICK-ACTION PULLER 3-arm pattern, with slim legs

- ✓ The forged leg feet are very shallow
- ✓ Particularly suitable for barely-accessible places
- ✓ Safe and quick removal of pulleys, wheels, ball bearings, etc.

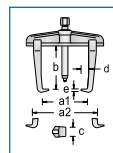


Code	No.	a	b	mm	c	d	e	max. t	mm	mm
2016036	1.07/S1-E	90	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.3
2016044	1.07/S1A-E	130	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.4
2016052	1.07/S2-E	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.6
2016060	1.07/S2A-E	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.9

1.07

UNIVERSAL PULLER 3-arm pattern, with rigid legs

- ✓ Similar to universal puller no. 1.07/1 to 1.07/3, but with rigid pulling legs
- ✓ The shallow forging increases accessibility

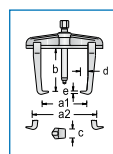


Code	No.	a ₁	a _{2 min}	a _{2 max}	b	mm	c	d	e	max. t	mm
1305549	1.07/11	90	70	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0
1306022	1.07/1A1	130	80	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0
1306154	1.07/21	160	100	220	150	G 1/2 x 210	22	30	24	3.5	5.0
1306278	1.07/2A1	200	100	260	150	G 1/2 x 210	22	30	24	3.5	5.0
1554778	1.07/31	250	100	400	200	G 3/4 x 280	27	36	28	6.5	7.5

1.07/B

UNIVERSAL PULLER 3-arm pattern, rigid legs with leg brake

- ✓ Similar to universal puller no. 1.07/11 to 1.07/31, but with leg brake
- ✓ Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- ✓ Upgradeable with hydraulic spindle



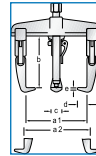
Code	No.	a ₁	a _{2 min}	a _{2 max}	b	mm	c	d	e	max. t	mm
1957945	1.07/11-B	90	70	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0
1957953	1.07/1A1-B	130	80	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0
1957961	1.07/21-B	160	100	220	150	G 1/2 x 210	22	30	24	3.5	5.0
1957988	1.07/2A1-B	200	100	260	150	G 1/2 x 210	22	30	24	3.5	5.0
1957996	1.07/31-B	250	100	400	200	G 3/4 x 280	27	36	28	6.5	7.5



1.07/E

QUICK-ACTION PULLER 3-arm pattern

- Safe and quick removal of pulleys, wheels, ball bearings, etc.
- Reversible legs for internal or external pulling
- Upgradeable with hydraulic spindle



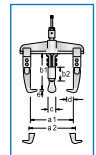
Code	No.	a ₁	a _{2 min}	a _{2 max}	b			 mm	c	d	e	max. t	
1222902	1.07/1-E	90	70	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.4
1225901	1.07/1A-E	130	80	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.6
1227335	1.07/2-E	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	3.9
1227459	1.07/2A-E	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	4.0
1554751	1.07/3-E	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	9.2



1.07/HSP

UNIVERSAL PULLER hydraulic, 3-arm pattern

- Reversible legs for internal or external pulling

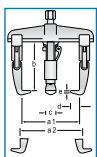


Code	No.	a ₁	a ₂	b		c	d	e	max. t	max. N·m	
8009960	1.07/2-HSP1	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	4.6
8010970	1.07/2A-HSP1	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	4.7
1554816	1.07/3-HSP2	250	310	80	1.06/HSP2	36	28	6.5	7.5	14	9.6
8012400	1.07/4-HSP3	450	530	140	1.06/HSP3	36	28	6.5	10.0	28	19.4
1962574	1.07/4A-HSP3	580	640	140	1.06/HSP3	36	28	6.5	10.0	28	22.4

1.07/HSP-E

QUICK-ACTION PULLER hydraulic, 3-arm pattern

- With quick-release pulling legs

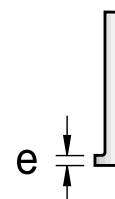
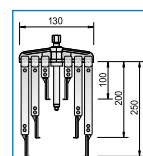


Code	No.	a ₁	a ₂	b		c	d	e	max. t	max. N-m	
1221922	1.07/2-E-HSP1	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	4.5
1222554	1.07/2A-E-HSP1	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	4.8
1554824	1.07/3-E-HSP2	250	310	80	1.06/HSP2	36	28	6.5	7.5	14	9.3

1.07/AS

PULLER SET with 9 legs

- 3-arm puller, with 9 slim legs in 3 lengths
- Particularly suitable for barely-accessible places

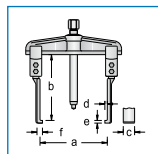
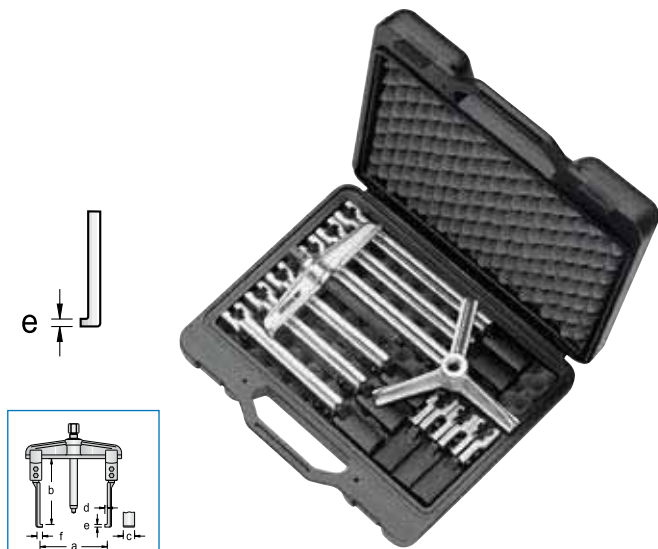


Code	No.	130	100 / 200 / 250	e	max. N-m
8117260	1.07/AS			3.7	4.8
1675990	1.07/AS-2			5.0	11.5

1.07/K

PULLER SET with 9 legs, in plastic case

- Plastic case containing: spindle, 1 cross-beam each 2- and 3-arm pattern and 9 slim pulling legs in 3 lengths

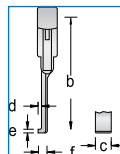
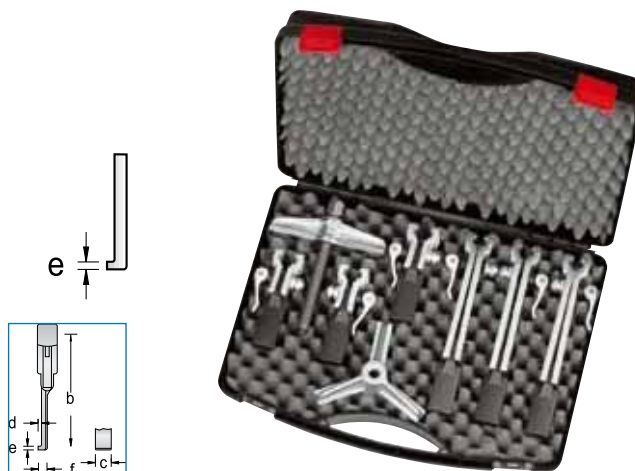


Code	No.	a	b	mm	c	d	e	max. t	
8117340	1.07/K	130	100 / 200 / 250	M 14x1,5 x 140	17	27 7.5	3.7	2.5	5.8
1676008	1.07/K-2	200	150 / 220 / 300	G 1/2 x 210	22	40 7.0	5.0	5.0	13.5

1.07/K-SE S

PULLER SET with 6 legs

- In plastic case
- Contents: 1 cross-beam each 2- and 3-arm pattern, 1 spindle, and 6 slim quick-release pulling legs in 2 lengths
- Clamping reach 100 mm = thickness of hooked foot at tip (e) 3.7 mm
- Clamping reach 200 mm = thickness of hooked foot at tip (e) 2.0 mm

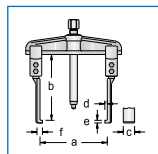


Code	No.	a	b	mm	c	d	e	max. t	
1745158	1.07/K-1-SE 200 S	90	100 / 200	M 14x1,5 x 140	17	27	7.5	4.2	

1.07/K-SE

PULLER SET with 3 legs, in plastic case

- Plastic case containing: spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs



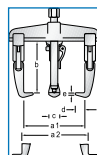
Code	No.	a	b	mm	c	d	e	max. t	
1438484	1.07/K-1-SE	90	100	M 14x1,5 x 140	17	27 7.5	3.7	2.2	
1645455	1.07/K-2-SE	160	150	G 1/2 x 210	22	40 7.0	5.0	5.5	



1.07/K-HSP

PULLER SET with 3 legs

- In plastic case
- Contents: hydraulic spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs



Code	No.	a ₁	a ₂	b	mm	c	d	e	max. t	N-m	
1438492	1.07/K-2-E-HSP1	160	220	75	1.06/HSP1	32 30 18	3.5	5.0	10	7.3	

61

1500 ES-1.07 Tool module with tool assortment





1.07/V

EXTENSION FOR PULLERS set of 3 pieces

- Rigid pattern drop forged
- Clamping reach to be extended indefinitely
- Can be used together with all legs of the 1.07 range

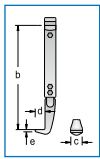


Code	No.	for hooks	1.07/A 1.07/100	1.07/B 1.07/150	1.07/C 1.07/200	1.07/D 1.07/250
1307576	1.07/V100		100			0.5
1307584	1.07/V150			150		1.6
1307592	1.07/V200				200	3.8

1.07/A-C

PULLING LEGS set of 3 pieces

- In standard lengths

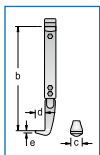


Code	No.	1.07/1 1.07/1A	1.07/2 1.07/2A	1.07/3 1.07/4	1.07/4 1.07/4A	1.07/5 1.07/5A
1307401	1.07/A	100				0.8
1307428	1.07/B		150			2.2
1307436	1.07/C			200		5.0

1.07/AV-EV

PULLING LEGS set of 3 pieces, long pattern

- In special lengths

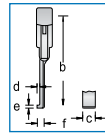


Code	No.	1.07/1 1.07/1A	1.07/2 1.07/2A	1.07/3 1.07/4	1.07/4 1.07/4A	1.07/5 1.07/5A
1307487	1.07/AV	200				1.5
1307495	1.07/BV		300			3.9
1307509	1.07/CV			300		7.2
1307517	1.07/DV				400	8.8
1307525	1.07/EV					11.4

1.07/E

QUICK-RELEASE PULLING LEGS set of 3 pieces

- Quick and uncomplicated setting-up and readjustment

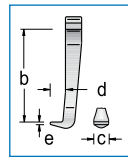


Code	No.	1.07/1-E 1.07/1A-E	1.07/2-E 1.07/2A-E	1.07/3-E	1.07/4-E	1.07/5-E
1307452	1.07/A-E	100				0.9
1307460	1.07/B-E		150			2.3
1307479	1.07/C-E			200		4.6

1.07

PULLING LEGS set of 3 pieces, rigid pattern

- Forged from one piece



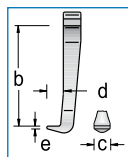
Code	No.	1.07/11 1.07/1A1	1.07/21 1.07/2A1	1.07/31 1.07/4	1.07/41 1.07/4A	1.07/51 1.07/5A
1307533	1.07/100	100				0.7
1307541	1.07/150		150			1.8
1307568	1.07/200			200		4.0



1.07/B

PULLING LEGS set of 3 pieces, rigid pattern with leg brake

- Forged from one piece
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button

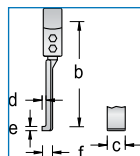
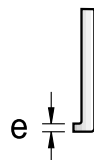


Code	No.	1.07	b	c	d	e	1.07
1956442	1.07/100-B	1.07/11 1.07/11-B 1.07/1A1 1.07/1A1-B	100	22	15	3.0	0.7
1956450	1.07/150-B	1.07/21 1.07/21-B 1.07/2A1 1.07/2A1-B	150	30	24	3.5	1.8
1956469	1.07/200-B	1.07/31 1.07/31-B 1.07/4	200	36	32	5.0	4.0

1.07/S-E

QUICK-RELEASE PULLING LEGS set of 3 pieces, slim pattern

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places



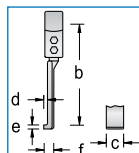
Code	No.	1.07	b	c	d	e	f	1.07
2016095	1.07/S100-E	1.07/S1 1.07/S1A	100	27	7.5	3.7	14.5	0.8
2016109	1.07/S200-E	1.07/S1 1.07/S1A	200	27	7.5	3.7	14.5	1.5
2016117	1.07/S250-E	1.07/S1 1.07/S1A	250	27	7.5	3.7	14.5	2.0
2016125	1.07/S100S-E	1.07/S1 1.07/S1A	100	27	7.5	2.0	14.5	0.7
2016133	1.07/S200S-E	1.07/S1 1.07/S1A	200	27	7.5	2.0	14.5	1.3
2016141	1.07/S250S-E	1.07/S1 1.07/S1A	250	27	7.5	2.0	14.5	1.5
2016168	1.07/S150-E	1.07/S2 1.07/S2A	150	40	7.0	5.0	15.5	2.0
2016176	1.07/S220-E	1.07/S2 1.07/S2A	220	40	7.0	5.0	15.5	2.7
2016184	1.07/S300-E	1.07/S2 1.07/S2A	300	40	7.0	5.0	15.5	3.3



1.07/S

PULLING LEGS set of 3 pieces, slim pattern

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places

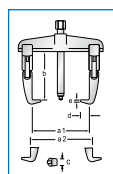


Code	No.	1.07	b	c	d	e	f	1.07
1307606	1.07/S100	1.07/S1 1.07/S1A	100	27	7.5	3.7	14.5	0.8
1307622	1.07/S200	1.07/S1 1.07/S1A	200	27	7.5	3.7	14.5	1.5
1307630	1.07/S250	1.07/S1 1.07/S1A	250	27	7.5	3.7	14.5	2.0
1554786	1.07/S100S	1.07/S1 1.07/S1A	100	27	7.5	2.0	14.5	0.7
1554794	1.07/S200S	1.07/S1 1.07/S1A	200	27	7.5	2.0	14.5	1.3
1554808	1.07/S250S	1.07/S1 1.07/S1A	250	27	7.5	2.0	14.5	1.5
1307649	1.07/S150	1.07/S2 1.07/S2A	150	40	7.0	5.0	15.5	2.0
1307657	1.07/S220	1.07/S2 1.07/S2A	220	40	7.0	5.0	15.5	2.7
1307665	1.07/S300	1.07/S2 1.07/S2A	300	40	7.0	5.0	15.5	3.3

1.08

UNIVERSAL PULLER 2-arm pattern, with fast spindle adjustment

- Spindle immediately adjusts when grip bar applied. Much quicker to use as there is no time spent adjusting the spindle or the legs



Code	No.	a ₁	a _{2 min}	a _{2 max}	b		c	d	e max	t		
8019090	1.08/1A	130	80	180	100	M 14x1,5 x 140	17	22	12	3.0	3.0	1.5
8000070	1.08/2A	200	110	260	150	G 1/2 x 210	22	30	18	3.5	5.0	4.1
8018950	1.08/3A	350	130	420	200	G 3/4 x 280	27	36	28	6.5	7.5	10.2



1.09 PULLER TWIST & PULL

Easy, quick and safe

Working principle



Advantages

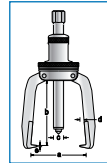
No settig-up or readjusting of the legs
Maintenance free due to the encapsulated mechanics



1.09

PULLER TWIST+PULL 3-arm pattern, with rotating adjustment

- ✓ The precise manufactured head allows fast and exact use
- ✓ The legs open by simple rotation and enclose automatically the part to be removed
- ✓ No more time-consuming setting-up and readjusting of the legs
- ✓ High-quality steel and thermo-chemical treatment guarantee highest toughness of the spindle and the legs
- ✓ Ball or tip can easily be exchanged

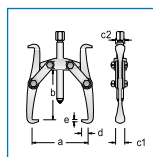


Code	No.	a _{min}	a _{max}	b	Spindle tip	mm	c	d	e	max. t	Weight
1748173	1.09/1	30	150	130	G 1/2 x 250	22	17	12	3.0	6.5	2.5
1748181	1.09/2	80	250	250	G 1/2 x 350	22	24	12	3.0	6.5	4.2

1.10

PULLER 2-arm pattern

- ✓ Double ended with wide or narrow grips
- ✓ Automatic gripping
- ✓ The wide leg ends of the puller 1.10/2, /3, /4 and /5 possess 8 mm slots, so that pulleys or gears may also be pulled off using 8 mm bolts

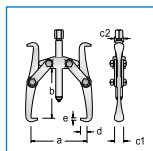


Code	No.	a _{max}	b	Spindle tip	mm	c ₁	c ₂	d	e	max. t	Weight
8002600	1.10/1	90	80	M 14x1,5 x 125	17	17	10	7	2	2.0	0.7
8002790	1.10/2	160	130	M 18x1,5 x 170	19	24	20	13	3	5.0	2.0
1731874	1.10/3	220	170	M 18x1,5 x 170	19	24	20	13	3	5.0	2.3
1731882	1.10/4	320	260	G 1/2 x 350	22	27	32	27	3	8.0	5.1
1731890	1.10/5	400	320	G 1/2 x 350	22	27	32	27	3	8.0	5.8

1.11

PULLER 3-arm pattern

- Double ended with wide or narrow grips
- Automatic gripping
- The wide leg ends of the puller 1.11/2, /3, /4 and /5 possess 8 mm slots, so that pulleys or gears may also be pulled off using 8 mm bolts



1.11/1

1.11/2-5



Code	No.	a_{max}	b	---	$\bullet$ mm	c_1	c_2	d	e	max. t	$\frac{t}{a}$
8002950	1.11/1	90	80	M 14x1,5 x 125	17	17	10	7	2	3.0	0.9
8003090	1.11/2	160	130	M 18x1,5 x 170	19	24	20	13	3	7.5	2.6
1731904	1.11/3	220	170	M 18x1,5 x 170	19	24	20	13	3	7.5	3.2
1731912	1.11/4	320	260	G 1/2 x 350	22	27	32	27	3	12.0	2.6
1731920	1.11/5	400	320	G 1/2 x 350	22	27	32	27	3	12.0	2.6

1.10 + 1.11

PULLING LEGS set of 2 / 3 pieces

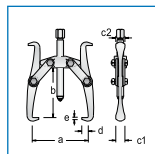
- Double ended with wide or narrow grips
- Complete with clips and screws
- No. 1.10 = 2 pieces
- No. 1.11 = 3 pieces



1.10/1 + 1.11/1



1.10/2-5 + 1.11/2-5



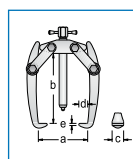
Code	No.	ᱪᱟᱹᱨᱤ	b	c ₁	c ₂	d	e	ᱪᱟᱹᱨᱤ
1962566	1.10/1-080	1.10/1	80	17	10	7	2	0.3
1962582	1.10/2-130	1.10/2	130	24	20	13	3	1.1
1962590	1.10/3-170	1.10/3	170	24	20	13	3	1.6
1962604	1.10/4-260	1.10/4	260	27	32	27	3	3.3
1962612	1.10/5-320	1.10/5	320	27	32	27	3	3.6

Code	No.	ᱪᱟᱹᱨᱤ	c ₂	d	e	ᱪᱟᱹᱨᱤ		
1962620	1.11/1-080	1.11/1	80	17	10	7	2	0.5
1962639	1.11/2-130	1.11/2	130	24	20	13	3	1.7
1962647	1.11/3-170	1.11/3	170	24	20	13	3	2.3
1962655	1.11/4-260	1.11/4	260	27	32	27	3	5.0
1962663	1.11/5-320	1.11/5	320	27	32	27	3	5.5

1.12

BATTERY-TERMINAL PULLER 2-arm pattern

- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping



Code	No.	a_{max}	b	---	c	d	e	max. t	$\frac{t}{a}$
8003840	1.12/02	60	40	M 10x1,5 x 60	10	5	2	0.5	160
8003760	1.12/01	60	60	M 10x1,5 x 80	10	5	2	0.5	180
1628402	1.12/00	70	80	M 10x1,5 x 100	14	8	2	0.5	300



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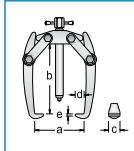




1.13

BATTERY-TERMINAL PULLER 3-arm pattern

- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

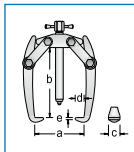


Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
8004650	1.13/02	60	40	M 10x1,5 x 60	10	5	2	0.75	0.2
8004570	1.13/01	60	60	M 10x1,5 x 80	10	5	2	0.75	0.2
1628410	1.13/00	70	80	M 10x1,5 x 100	14	8	2	1.0	0.4

1.12 + 1.13

PULLING LEGS set of 2 / 3 pieces, for battery-terminal puller

- Complete with clips and screws
- No. 1.12 = 2 pieces
- No. 1.13 = 3 pieces



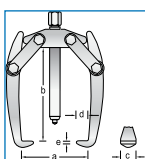
Code	No.	mm	b	c	d	e	max. t
1962671	1.12/02-040	1.12/02	40	10	5	2	0.1
1962698	1.12/01-060	1.12/01	60	10	5	2	0.1
1962701	1.12/00-080	1.12/00	80	14	8	2	0.2

Code	No.	mm	b	c	d	e	max. t
1962728	1.13/02-040	1.13/02	40	10	5	2	0.1
1962736	1.13/01-060	1.13/01	60	10	5	2	0.2
1962744	1.13/00-080	1.13/00	80	14	8	2	0.2

1.12

PULLER 2-arm pattern

- Ideal for removing pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- Automatic gripping

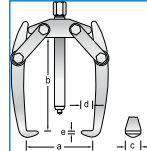


Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
8003250	1.12/0	70	80	M 12x1,5 x 110	14	14	8	2	1.0
8003330	1.12/1	90	120	M 14x1,5 x 155	17	18	11	2	2.0
8003410	1.12/2	130	160	M 18x1,5 x 200	19	25	14	3	5.0
8003680	1.12/3	180	200	G 1/2 x 250	22	32	20	4	8.0

1.13

PULLER 3-arm pattern

- Ideal for removing pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- Automatic gripping

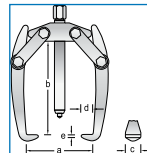


Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
8004140	1.13/0	70	80	M 12x1,5 x 110	14	14	8	2	2.0
8004220	1.13/1	90	120	M 14x1,5 x 155	17	18	11	2	3.0
8004300	1.13/2	130	160	M 18x1,5 x 200	19	25	14	3	7.5
8004490	1.13/3	180	200	G 1/2 x 250	22	32	20	4	12.0

1.12 + 1.13

PULLING LEGS set of 2 / 3 pieces

- Complete with clips and screws
- No. 1.12 = 2 pieces
- No. 1.13 = 3 pieces



Code	No.	mm	b	c	d	e	max. t
1962752	1.12/0-080	1.12/0	80	14	8	2	0.2
1962760	1.12/1-120	1.12/1	120	18	11	2	0.4
1962779	1.12/2-160	1.12/2	160	25	14	3	1.1
1962787	1.12/3-200	1.12/3	200	32	20	4	2.1

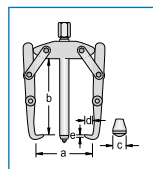
Code	No.	mm	b	c	d	e	max. t
1962795	1.13/0-080	1.13/0	80	14	8	2	0.3
1962809	1.13/1-120	1.13/1	120	18	11	2	0.6
1962817	1.13/2-160	1.13/2	160	25	14	3	1.7
1962825	1.13/3-200	1.13/3	200	32	20	4	3.2



1.14

PULLER 2-arm pattern

- Clamping reach is variable for maximum flexibility
- The legs grip automatically
- Upgradeable with hydraulic spindle

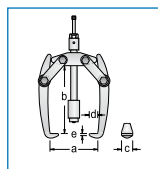


Code	No.	a _{max}	b	mm	mm	c	d	e	max. t	max. N-m
8004810	1.14/0	90	100	M 12x1,5 x 110	14	14	9	2.0	1.0	0.4
8005030	1.14/1	130	140	M 14x1,5 x 140	17	18	11	2.0	2.0	0.9
8005380	1.14/2	200	210	M 18x1,5 x 200	19	25	16	3.0	5.0	2.2
8005460	1.14/3	250	260	G 1/2 x 250	24	32	18	3.5	8.0	4.4
8005540	1.14/4	280	390	G 1/2 x 250	24	32	20	3.5	8.0	5.1
8005620	1.14/5	420	480	G 1/2 x 350	24	32	20	3.5	8.0	6.0

1.14/HSP

PULLER hydraulic, 2-arm pattern

- Clamping reach is variable for maximum flexibility
- The legs grip automatically

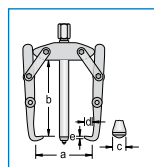


Code	No.	a _{max}	b	mm	c	d	e	max. t	max. N-m
1392883	1.14/3-HSP1	250	180	1.06/HSP1	32	32	18	3.5	8.0
1392913	1.14/4-HSP1	280	310	1.06/HSP1	32	32	20	3.5	8.0

1.14/L

FAN PULLER 2-arm pattern

- Especially slender legs will each adjust to 3 clamping positions

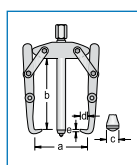


Code	No.	a _{max}	b	mm	c	d	e	max. t	max. N-m
8005110	1.14/1L	150	200	M 14x1,5 x 155	17	10	6	2.0	0.9

1.15

PULLER 3-arm pattern

- Clamping reach is variable for maximum flexibility
- The legs grip automatically
- Upgradeable with hydraulic spindle



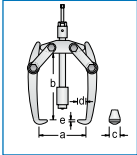
Code	No.	a _{max}	b	mm	c	d	e	max. t	max. N-m
8006000	1.15/0	90	100	M 12x1,5 x 110	14	14	9	2.0	0.5
8006190	1.15/1	130	140	M 14x1,5 x 140	17	18	11	2.0	1.2
8006350	1.15/2	200	210	M 18x1,5 x 200	19	25	16	3.0	3.3
8006430	1.15/3	250	260	G 1/2 x 250	24	32	18	3.5	12.0
8006510	1.15/4	280	390	G 1/2 x 250	24	32	20	3.5	12.0
8006780	1.15/5	420	480	G 1/2 x 350	24	32	20	3.5	12.0



1.15/HSP

PULLER hydraulic, 3-arm pattern

- Clamping reach is variable for maximum flexibility
- The legs grip automatically



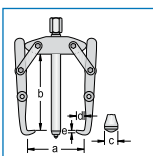
Code	No.	a _{max}	b	Hydraulic cylinder	mm	c	d	e	max. t	N·m	Weight
1392956	1.15/3-HSP1	250	180	1.06/HSP1	32	32	18	3.5	12.0	24	6.6
1392980	1.15/4-HSP1	280	310	1.06/HSP1	32	32	20	3.5	12.0	24	8.1



1.15/L

FAN PULLER 3-arm pattern

- Especially slender legs will each adjust to 3 clamping positions

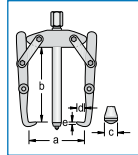


Code	No.	a _{max}	b	Hydraulic cylinder	mm	c	d	e	max. t	Weight
8006270	1.15/1L	150	200	M 14x1,5 x 155	17	10	6	2	3.0	1.3

1.14 + 1.15

PULLING LEGS set of 2 / 3 pieces

- With variable clamping reach
- Complete with clips and screws
- No. 1.14 = 2 pieces
- No. 1.15 = 3 pieces



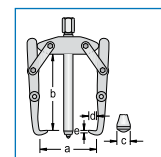
Code	No.	Hydraulic cylinder	b	c	d	e	Weight
1962833	1.14/0-100	1.14/0	100	14	9	2.0	0.2
1962841	1.14/1-140	1.14/1	140	18	11	2.0	0.5
1962868	1.14/2-210	1.14/2	210	25	16	3.0	1.3
1962876	1.14/3-260	1.14/3	260	32	18	3.5	2.8
1962884	1.14/4-390	1.14/4	390	32	20	3.5	3.5
1962892	1.14/5-480	1.14/5	480	32	20	3.5	4.3

Code	No.	Hydraulic cylinder	b	c	d	e	Weight
1962906	1.15/0-100	1.15/0	100	14	9	2.0	0.3
1962914	1.15/1-140	1.15/1	140	18	11	2.0	0.7
1962922	1.15/2-210	1.15/2	210	25	16	3.0	2.0
1962930	1.15/3-260	1.15/3	260	32	18	3.5	4.1
1962949	1.15/4-390	1.15/4	390	32	20	3.5	5.3
1962957	1.15/5-480	1.15/5	480	32	20	3.5	6.4

1.14/L + 1.15/L

PULLING LEGS set of 2 / 3 pieces

- With variable clamping reach
- Complete with clips and screws
- No. 1.14/L = 2 pieces
- No. 1.15/L = 3 pieces



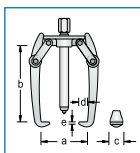
Code	No.	Hydraulic cylinder	b	c	d	e	Weight
1962965	1.14/1-200-L	1.14/1L	200	10	6	2	0.6

Code	No.	Hydraulic cylinder	b	c	d	e	Weight
1962973	1.15/1-200-L	1.15/1L	200	10	6	2.0	0.9

1.16

PULLER 2-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically
- Upgradeable with hydraulic spindle

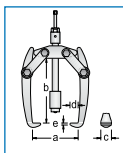


Code	No.	a _{max}	b	—	—	● mm	c	d	e	max. t	—
8007080	1.16/1	300	300	G 1 x 360	1.06/HSP3	36	32	19	3.0	8.0	8.4
8007160	1.16/2	450	420	G 1 x 500	1.06/HSP3	36	32	22	3.0	8.0	10.0

1.16/HSP

PULLER hydraulic, 2-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically

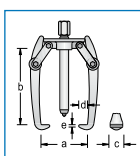


Code	No.	a _{max}	b	—	● mm	c	d	e	max. t	max. N·m	—
8012590	1.16/1-HSP3	300	190	1.06/HSP3	41	32	19	3.0	8.0	24	8.7
8012670	1.16/2-HSP3	450	310	1.06/HSP3	41	32	22	3.0	8.0	24	10.2

1.17

PULLER 3-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically
- Upgradeable with hydraulic spindle



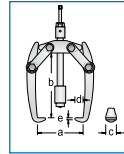
Code	No.	a _{max}	b	—	—	● mm	c	d	e	max. t	—
8007320	1.17/1	300	300	G 1 x 360	1.06/HSP3	36	32	19	3.0	12.0	10.5
8007400	1.17/2	450	420	G 1 x 500	1.06/HSP3	36	32	22	3.0	12.0	12.7



1.17/HSP

PULLER hydraulic, 3-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically



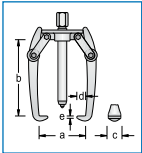
Code	No.	a _{max}	b	←→	mm	c	d	e	max. t	max. N·m	↺↻
8014290	1.17/1-HSP3	300	190	1.06/HSP3	41	32	19	3.0	12.0	34	11.4
8014370	1.17/2-HSP3	450	310	1.06/HSP3	41	32	22	3.0	12.0	34	12.7



1.16 + 1.17

PULLING LEGS set of 2 / 3 pieces

- Very strong
- Complete with clips and screws
- No. 1.16 = 2 pieces
- No. 1.17 = 3 pieces



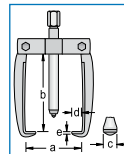
Code	No.	↺↻	b	c	d	e	max. t
1962981	1.16/1-300	1.16/1 1.16/1-HSP3	300	32	19	3	3.5
1963007	1.16/2-420	1.16/2 1.16/2-HSP3	300	32	22	3	4.4
1963015	1.17/1-300	1.17/1 1.17/1-HSP3	300	32	19	3	5.3
1963023	1.17/2-420	1.17/2 1.17/2-HSP3	420	32	22	3	6.6



1.18

FAN PULLER ECO 2-arm pattern

- Removes bearings swiftly and cleanly

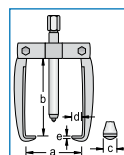


Code	No.	a _{max}	b	←→	c	d	e	max. t	↺↻
1656996	1.18/02	65	50	M 10 x 115	12	10	3.0	1.0	0.2
1657089	1.18/01	70	70	M 10 x 115	12	10	3.0	1.0	0.2
1656937	1.18/0	80	80	M 10 x 115	12	10	3.0	1.0	0.2

1.18

PULLER ECO 2-arm pattern

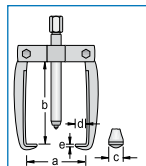
- For easy removal of bearings



Code	No.	a _{max}	b	←→	c	d	e	max. t	↺↻
1464965	1.18/1	110	110	M 14x1,5 x 163	17	18	5.0	2.0	1.1
1464973	1.18/2	160	140	M 18x1,5 x 215	21	20	6.5	3.0	2.1
1464981	1.18/3	200	200	G 1/2 x 282	22	22	7.5	5.0	3.4

1.19

FAN PULLER ECO 3-arm pattern
 Removes bearings swiftly and cleanly

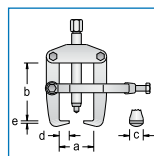


Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
1657054	1.19/02	65	50	M 10 x 115	12	10	3.0	1.0	0.3
1657046	1.19/01	70	70	M 10 x 115	12	10	3.0	1.0	0.3
1657011	1.19/0	80	80	M 10 x 115	12	10	3.0	1.0	0.3

1.20

PULLER with clamping yoke

The clamping yoke applies firm pressure behind the part to be moved and keeps the puller firmly in the correct position



Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
8008050	1.20/1	90	85	M 18x1,5 x 130	19	22	12	3.0	5.0
8008130	1.20/2	90	100	M 18x1,5 x 130	19	24	15	3.0	5.0
8008210	1.20/3	150	140	G 1/2 x 175	22	30	18	3.5	7.5

Detailed information on products, promotions and trade fairs

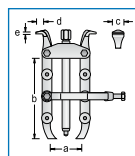
... www.gedore.com



1.22

PULLER with clamping yoke

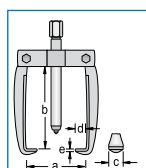
Double-ended hooks
 Particularly suitable for separating and removing flush-seated parts
 Especially economical as it covers a range of different sizes



Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
8009020	1.22/1	110	170	M 18x1,5 x 200	19	25	14	3.5	5.0
8009100	1.22/2	160	260	G 1/2 x 350	22	25	14	3.5	7.5
8009290	1.22/3	160	325	G 1/2 x 350	22	25	14	3.5	7.5

1.19

PULLER ECO 3-arm pattern
 For easy removal of bearings



Code	No.	a _{max}	b	mm	c	d	e	max. t	mm
1465007	1.19/1	110	110	M 14x1,5 x 163	17	18	5.0	2.0	1.4
1465015	1.19/2	160	140	M 18x1,5 x 215	21	20	6.5	3.0	2.7
1465023	1.19/3	200	200	G 1/2 x 282	22	22	7.5	5.0	4.5

The ECO perforated wall panel is listed on page 245

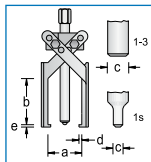




1.23

PULLER with slim legs

- For removing bearings in confined spaces
- The legs grip automatically
- No. 1.23/5: particularly slim legs



Code	No.	a _{max}	b	mm	c	d	e	max. t	
8084580	1.23/1S	80	85	M 10 x 105	12	11	4	2.5	1.5 0.4
8084310	1.23/1	80	85	M 10 x 105	12	23	4	2.5	2.0 0.4
8084660	1.23/2	120	120	M 14x1,5 x 130	17	31	5	3.5	3.5 0.8
8084740	1.23/3	120	150	M 14x1,5 x 205	17	31	5	3.5	3.5 1.1

HYDRAULIC IMPLEMENTS

1.50

HYDRAULIC PUMP AND CYLINDER SET

- Suitable for pressing, straightening, lifting, bending, and pulling



1.51

HYDRAULIC CYLINDER



1.50/1

HYDRAULIC HAND PUMP

- Supplied complete with 1.50 m high-pressure hose
- To fit hydraulic cylinder 1.51



Code	No.	Stroke height	max. t	
8023440	1.51/10	140	10.0	5.0
8110760	1.51/11	200	10.0	6.0

The safety cover is listed on page 205

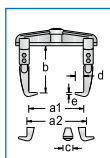


Code	No.	for hydraulic cylinder	
8022710	1.50/1	1.51/10 1.51/11	8.3

1.06/H

PULLER for hydraulic implement 1.50

- Robust pattern, designed for rigidity and heavy duty use
- Reversible legs permit use as an internal or external puller
- The reach may be increased both by using pulling legs in special lengths, and by using extensions

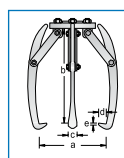


Code	No.	a ₁	a _{2 min}	a _{2 max}	b	c	d	e	max. t	
8112620	1.06/40	520	185	600	200	36	28	6.5	10.0	11.0
8113000	1.06/50	640	230	715	225	50	33	10.0	18.0	20.2

1.17/H

UNIVERSAL PULLER for hydraulic implement 1.50

- Heavy-duty pattern for the removal of gear wheels, spoked wheels, pulleys, etc
- The legs grip automatically

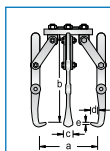


Code	No.	a _{max}	b	c	d	e	max. t	
8007590	1.17/10	300	300	36	19	3.5	12.0	9.1
8109670	1.17/20	425	425	36	22	3.5	12.0	12.4

1.15/H

PULLER for hydraulic implement 1.50

- Heavy-duty pattern for the removal of gear wheels, spoked wheels, pulleys, etc.
- The legs grip automatically
- The legs can be moved for use as a 2-arm puller
- The adjustable reach means that this puller is very versatile



Code	No.	a _{max}	b	c	d	e	max. t	
8006860	1.15/30	250	260	32	18	3.5	12.0	9.0
8109590	1.15/40	280	390	32	20	3.5	12.0	9.2



1.55

HYDRAULIC PRESS

- This piece of auxiliary equipment considerably increases the capability of the standard pressure spindle
- Operation: With pressure released, the press is placed between the pressure spindle and the end of the shaft. The pressure spindle is then tightened firmly. Care must be taken that the centreline of the shaft, the hydraulic press, and the pressure spindle are exactly in alignment. Then the hydraulic spindle is screwed inwards. Important note: Release the hydraulic press after use



Code	No.	Stroke height	Installation height	max. t	
8024090	1.55/1	10	75	8.0	1.0
8024170	1.55/2	15	90	15.0	1.8





BALL BEARING EXTRACTOR

1.29

BALL BEARING EXTRACTOR

- For removing ball bearings that are both on a shaft and in a housing
- The legs selected using the table are inserted into the ball race, evenly distributed in the outer ring according to the number of balls
- The support rings supplied for the ball bearings to be removed are placed on the bearings' inner races
- The hub with spindle is then placed on the centering depression of the shaft and the spindle put under tension with the legs



Code	No.	mm	mm	
8011000	1.29/1	M 10 x 160	14	0.2
8011190	1.29/2	M 12 x 195	14	0.5
8011270	1.29/3	M 14 x 210	17	0.6
8011350	1.29/4	M 18 x 230	19	0.9
8011430	1.29/5	M 20 x 235	22	1.9

1.29

PULLING LEGS set of 4 pieces

- * Used with support rings for pulling bearings



Code	No.	mm	for hub - for ball bearing No.	
8011510	1.29/10	145	1.29/1 - 6000 6001 6002	80
8011780	1.29/15	145	1.29/1 - 6003 6004 6005 6200 6201 6202	100
8011860	1.29/20	177	1.29/2 - 6006 6203	200
8011940	1.29/25	177	1.29/2 - 6007 6008 6009 6010 6204 6205 6300 6301 6302	200
8012080	1.29/30	185	1.29/2 - 6303 6304 1.29/3 - 6011 6012	300
8012160	1.29/35	187	1.29/3 - 6206 6207 6208 6305	400
8012240	1.29/40	235	1.29/4 - 6209 6210	600
8110250	1.29/45	236	1.29/4 - 6211 6212 6308* 6404 6405 1.29/5 - 6309* 6310* 6311* 6406*	800

1.29/K

BALL BEARING EXTRACTOR SET

- In sheet metal case, dimensions: 285 x 190 x 75 mm



Code	No.	Contents	
8110330	1.29/1K	3 hubs with spindle 1.29/1 - 1.29/3 6 sets legs 1.29/10 - 1.29/35 1 plug-in handle 1.29/0	5.1
8012320	1.29/3K	5 hubs with spindle 1.29/1 - 1.29/5 8 sets legs 1.29/10 - 1.29/45 1 plug-in handle 1.29/0 and 4 support rings	8.7

Bearing installation tools and safety cover are listed on page 205



1.92 EXTRACTOR

Better solutions through innovative and precise technology

Fields of application



Suitable for more than 40 standard ball bearings up to 6311

Working principle



① The innovative design with its maximum level of functionality in connection with simple handling provides a PLUS in effectivity and productivity.

② The top plate is easy to use. The legs are fixed in the slot.

③ The self-locking system guarantees 100% force transmission and the maximum safety during withdrawal.

1.92

BALL BEARING EXTRACTOR PLUS

- Due to its great degree of functionality combined with the simplified handling, this novel design makes a PLUS in effectiveness and productivity possible
- This tool is easy to use: The legs are fixed in the slot
- The self-locking arrangement means that the force applied is 100% utilised. Secure at all times against slipping off - and a straight pulling force for precise working
- Suitable for more than 40 standard ball bearings up to 6311
- * with supporting ring 6309
- ** with supporting ring 6310
- *** with supporting ring 6311



1.92/12

Code	No.	Bearing	Leg	Head size	Weight
1553534	1.92/1	6000	10	1-7	2.3
		6001	10	1-4	
		6002	10	1-3	
		6003	10	1-4	
		6004	30	1-3	
		6005	30	1-3	
		6006	30	1-3	
		6007	40	1-3	
		6008	40	1-3	
		6009	40	1-3	
		6010	40	1-3	
		6200	10	1-4	
		6201	20	1-7	
		6202	20	1-4	
		6203	30	1-4	
		6204	40	1-4	
		6205	40	1-3	
		6300	30	1-3	
		6301	40	1-3	
		6302	40	1-7	
		6303	40	1-7	
		6304	40	1-7	

Code	No.	Bearing	Leg	Head size	Weight
1553542	1.92/2	6011	50	2-3	5.2
		6012	50	2-3	
		6206	50	2-3	
		6207	50	2-3	
		6208	60	2-3	
		6209	60	2-3	
		6210	60	2-3	
		6211	60	2-3	
		6212	70	2-3	
		6305	60	2-7	
		6306	60	2-4	
		6307	60	2-4	
		6308	70	2-4	
		6309	70	2-4	
		6310**	70	2-4	
		6311***	70	2-4	
		6403	60	2-3	
		6404	70	2-3	
		6405	70	2-7	
		6406	70	2-7	
		6407*	60	2-7	
1553550	1.92/12	Contents of set 1.92/1 and 1.92/2			7.6

1.92

PARTS

- Pulling legs No. 1.92/10 to 1.92/70 = set of 4 pieces

Code	No.	Description
1583263	1.92/10	Leg size 10
1583271	1.92/20	Leg size 20
1583298	1.92/30	Leg size 30
1583301	1.92/40	Leg size 40
1583328	1.92/50	Leg size 50
1583336	1.92/60	Leg size 60
1583344	1.92/70	Leg size 70
1574485	192/1-3	Head small 3
1574493	192/1-4	Head small 4
1574507	192/1-7	Head small 3/7
1574515	192/2-3	Head big 3
1574523	192/2-4	Head big 4
1574531	192/2-7	Head big 3/7
1574566	192/A-2	Adaptor for head big
1576208	1.1006170	Spindle small for 1.92/1
1576224	1.1406200	Spindle big for 1.92/2



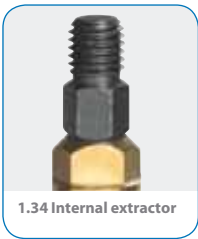
1.34 INTERNAL EXTRACTOR

In a class of its own due to the precision manufacturing technology

Contents:



1.34/10 - 5-piece
internal extractor set
for closely-fitting ball
bearings
Attractive set
arrangement
Can be used with sliding
hammer or counter-stay



1.34 Internal extractor



Higher spread range



①

The simple handling method
guarantees the fast and
uncomplicated withdrawal
of ball bearings.

②

Because of their titanium
nitrided coating the surfaces
have increased hardness
and are provided with better
protection.

③

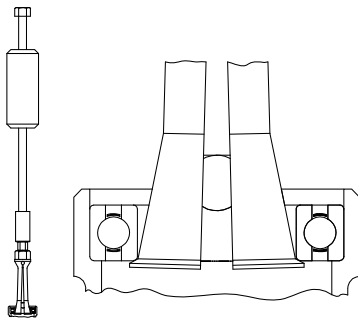
Force transmission
is increased
and improved
by precise
manufacturing
accuracy.

④

The expansion ranges have been
increased, thus fewer pullers are
necessary for the same overall
expansion range.



FEATURES MATERIAL



Advantages

Titanium nitrided surface

- Harder
- More wear-resistant
- Better surface protection
- More heat-resistant
- Fine design
- Fast compensation of temperature differences

1.34/1 - 1.34/4

INTERNAL EXTRACTOR

- For use with impact bearing puller no. 1.35/0 or support brace no. 1.36/1
- Multiple wrench size (11+ 13 mm)

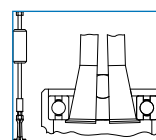


Code	No.	M	mm	mm
1638556	1.34/1	M10	5,0-8,5	40
1638564	1.34/2	M10	8,0-15,0	60
1638572	1.34/3	M10	15,0-25,0	80
1638580	1.34/4	M10	25,0-36,0	100

1.34/10

INTERNAL EXTRACTOR SET 5 pieces

- For tightly-fitting ball bearings, bearing races, bushings and shaft seals
- Operation: The internal extractor is inserted into the bearing and the spindle screwed in. The sharp turned-out shoulders of the pulling shell jaws will press outwards behind the part to be extracted. The counter-support brace or the impact bearing puller is then added
- Contents in practical case:
 - 4 internal extractors 1.34/1 (5-8.5 mm), 1.34/2 (8-15 mm), 1.34/3 (15-24 mm), 1.34/4 (25-36 mm)
 - 1 impact bearing puller 1.35/0
 - Multiple wrench size (11+ 13 mm)
 - M10 connecting thread



Code	No.	mm
1638629	1.34/10	1.3

1.30/0-9
INTERNAL EXTRACTOR

For extremely-tightly-packed ball bearings, bearing races, bushings, and shaft seals Simmering®



Code	No.	M	mm	mm	mm
8012750	1.30/0	M10	1.36/1	5-8	10
8012830	1.30/1	M10	1.36/1	8-12	10
8012910	1.30/2	M10	1.36/1	12-15	10
8013130	1.30/3	M10	1.36/1	15-19	14
8013480	1.30/4	M10	1.36/1	19-25	14
8013560	1.30/4A	M10	1.36/1	25-30	14
8013640	1.30/5	M10	1.36/1	30-35	14
8013720	1.30/6	M14x1,5	1.36/2	35-45	17
8013800	1.30/7	M14x1,5	1.36/2	45-55	17
8013990	1.30/8	M14x1,5	1.36/3	55-70	19
8014020	1.30/9	M14x1,5	1.36/3	70-100	27

Detailed information on products,
promotions and trade fairs

... www.gedore.com


1.30/10
INTERNAL EXTRACTOR

Suitable for removing large ball bearings and bearing outer races
Operation: The extraction jaws are spread by turning the nut. The newly-developed spreading system enables a simple, step-free and time-saving adjustment to the desired diameter to be made. The sharp-edged sections of the extraction jaws seat flush beneath when spread



Code	No.	M	mm	mm	mm
8014100	1.30/10	G 1/2"	60-160	36	2312

1.30/N
INTERNAL EXTRACTOR with reinforced shoulder

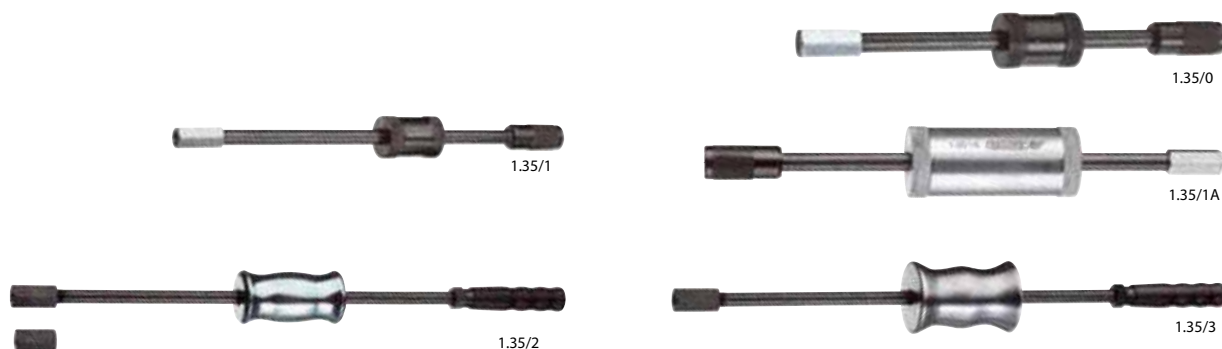
Especially suitable for the safe and trouble-free extraction of needle roller bearings, ball bearings and brass sleeves from crankshafts
Note: The shoulder of the shell jaw must be applied behind the bearing



Code	No.	M	mm	mm	mm
8013050	1.30/2N	M10	12-14	10	170
8013210	1.30/3N	M10	14-19	14	170

1.35
IMPACT BEARING PULLER

Suited for the removal of small ball bearings since there is often not enough room for support braces



Code	No.	for internal extractors	M	with adaptor	mm	mm	Impact weight in g	mm
1958062	1.35/0	1.34/1 - 1.34/4	M10	-	13	180	200	400
8016070	1.35/1	1.30/0 - 1.30/5 1.34/1 - 1.34/4	M10	-	13	230	200	450
1958070	1.35/1A	1.30/0 - 1.30/9	M10	M 14x1,5	13	230	700	950
8039010	1.35/2	1.30/0 - 1.30/9	M 14x1,5	M10	24	500	1700	3200
1958089	1.35/3	1.30/6 - 1.30/9	M 14x1,5	-	24	500	3000	4200



1.36/1-3

SUPPORT BRACE

Operation: The support brace is placed on the housing and the spindle screwed onto the spindle of the internal extractor. The toggle is held firmly, and the bearing extracted by tightening the nut



Code	No.	for internal extractors	M	mm	mm
8016580	1.36/1	1.30/0 - 1.30/5 1.34/1 - 1.34/4	M10	27	750
8016660	1.36/2	1.30/6 - 1.30/7	M14x1,5	32	1650
8016740	1.36/3	1.30/8 - 1.30/9	M14x1,5	32	3000

1.36/4

SUPPORT BRACE

For internal extractor no. 1.30/10
Operation see no. 1.36



Code	No.	M	mm	mm
8016820	1.36/4	G 1/2"	36	7.6



1.31

INTERNAL EXTRACTOR SET

Sets comprise the most used extractor sizes for the removal of ball bearings, bearing races, bushings, shaft seals, etc.
In handy sheet metal case

1.31/1



1.31/0



Code	No.	Contents	mm
8014450	1.31/0N	4 internal extractors 12-30 mm 1.30/2N -3N -4 -4A 1 support brace 1.36/1	2.6
8014530	1.31/0	4 internal extractors 12-30 mm 1.30/2 -3 -4 -4A 1 support brace 1.36/1	2.6
8014610	1.31/1	6 internal extractors 12-46 mm 1.30/2 -6 2 support braces 1.36/1 - 2	6.4
8014880	1.31/2	8 internal extractors 12-70 mm 1.30/2 -8 2 support braces 1.36/1 - 2	9.2

1.32/1-2

SET OF INTERNAL AND EXTERNAL EXTRACTORS

✓ The handy sheet metal case comprises internal extractors, support braces, pulling chucks, external extractors and stud extractors



1.32/1



1.32/2

Code	No.	Contents	
8015260	1.32/1	6 internal extractors 12-46 mm 1.30/2 - 6, 2 support braces 1.36/1 - 2 1 pulling chuck 1.44, 1 battery-terminal puller 1.12/02, 1 puller, 2-arm pattern 1.06/1	10.4
8015340	1.32/2	8 internal extractors 12-70 mm 1.30/2 - 8, 2 support braces 1.36/1 - 2, 1 pulling chuck 1.44 1 battery-terminal puller 1.12/02, 2 pullers, 2-arm pattern 1.06/1 - 2, 1 stud extractor 1.28/1	19.0

1.37

CYLINDER LINER PULLER complete with support brace

✓ Wet heavy-vehicle (e.g. Daimler Benz, MAN) cylinder liners, automobile and stationary-engine liners, and other parts may be extracted using this puller



Bearing installation tools and safety cover are listed on page 205



Code	No.				
8017200	1.37/2	G 1/2"	60-160	36	6.8

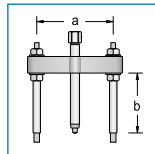


SEPARATORS

1.38

SEPARATOR PULLER

- These separator pullers are used together with the bearing separators 1.40
- The tension bolts are screwed into the threaded holes in the bearing separators



Code	No.	for separator	a	b		mm	M		
8017550	1.38/0	1.40/0	40-120	160	M 14 x 120	17	M10 / M12x1,5	—	1.0
8017630	1.38/1	1.40/1	60-165	230	M 18 x 170	19	M10 / M14x1,5	—	1.1
8017710	1.38/2	1.40/2	70-215	250	G 1/2 x 210	22	M14x1,5 / M16x1,5	1.06/HSP1	3.4
8017980	1.38/3	1.40/3	90-300	270	G 3/4 x 280	27	M18x1,5 / M20x1,5	1.06/HSP2	6.5
8018010	1.38/4	1.40/4	125-380	350	G 1 x 310	36	M22x1,5 / M24x1,5	1.06/HSP3	11.6
8018280	1.38/5	1.40/5	140-440	400	G 1 x 360	36	M24x1,5 / M26x1,5	1.06/HSP3	16.6

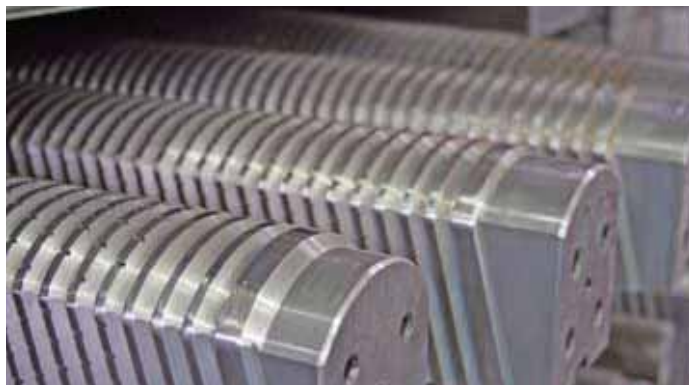
1.38/V

EXTENSION ROD

- For separator pullers 1.38



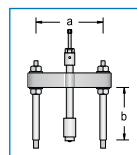
Code	No.	for separator	M	mm	
8018440	1.38/AV	1.38/0 1.38/1	M10	100	0.3
8018520	1.38/CV	1.38/2	M14x1,5	100	0.3
8018600	1.38/DV	1.38/3	M18x1,5	100	0.7
8018790	1.38/EV	1.38/4	M22x1,5	200	2.1
8018870	1.38/FV	1.38/5	M24x1,5	200	2.7



1.38/HSP

SEPARATOR PULLER hydraulic

- For use with separating blades 1.40
- The tension bolts are screwed into the threaded bores of the separating blades



Code	No.	for separator	M	a	b	
8014960	1.38/2-HSP1	1.40/2	M14x1,5	70-215	175	3.9
8015180	1.38/3-HSP2	1.40/3	M18x1,5	90-300	195	7.1
8015420	1.38/4-HSP3	1.40/4	M22x1,5	125-380	240	12.6
8015500	1.38/5-HSP3	1.40/5	M24x1,5	140-440	290	17.4

1.40
BEARING SEPARATOR

- For removing taper roller and ball bearings, inner bearing races, and other tightly-seated or thin-walled parts



Code	No.	for puller	mm	mm	mm
8019680	1.40/0	1.38/0	M10	5-60	0.5
8019760	1.40/1	1.38/1	M10	12-75	0.9
8019840	1.40/2	1.38/2	M14x1,5	22-115	2.4
8019920	1.40/3	1.38/3	M18x1,5	30-155	4.7
8020180	1.40/4	1.38/4	M22x1,5	30-200	8.9
8020260	1.40/5	1.38/5	M24x1,5	30-250	15.3

1.40/15
DRIVE SHAFT BEARING PULLER

- Operation: The separator blades are placed evenly behind the bearing and the pulling arms aligned parallel to the axle and spindle



Code	No.	Aperture	mm	mm	mm
8010380	1.40/15	45-75	750	G 1/2 x 160	22

1.40/16
PULLER 2 pieces

- These legs, together with the cross-beam and separator blades of 1.40/15, are used for mounting drive-shaft bearings
- Operation: The separator blades are placed with the flat side behind the bearing, and the legs inserted behind the clamping bolt of the separator blades. When the spindle is tightened, the bearing is pulled against the axle flange



Code	No.	Description	mm
8010460	1.40/16	Pair of legs	1.4
8010540	1.40/16A	Cross-beam with spindle	1.9

1.41
SEPARATOR AND PULLER SET

- Set comprising separator, puller, and extension rods
- In sheet metal case



Code	No.	Contents	mm
8109750	1.41/0	1.38/0 1.38/AV 1.40/0	2.8
8109830	1.41/1	1.38/1 1.38/AV 1.40/1	5.3
8109910	1.41/2	1.38/2 1.38/CV 1.40/2	9.0
8110090	1.41/3	1.38/3 1.38/DV 1.40/3	16.0
8110170	1.41/4	1.38/4 1.38/EV 1.40/4	28.6

1.60
WHEEL-HUB PULLER for cars and trucks

- For wheel stud circles up to 225 mm
- Easy to use
- Upgradeable with hydraulic spindle
- No. 1.60/H = Spare leg



Code	No.	No. of legs	mm	mm	mm
8024840	1.60/3	3	G 3/4 x 200	1.06/HSP2	4.3
8110840	1.60/4	4	G 3/4 x 200	1.06/HSP2	4.9
8024920	1.60/5	5	G 3/4 x 200	1.06/HSP2	5.3
8110920	1.60/H	1			0.5

1.60/HSP
WHEEL-HUB PULLER for cars and trucks, hydraulic (not illustrated)

- For wheel stud circles up to 225 mm
- Easy to use

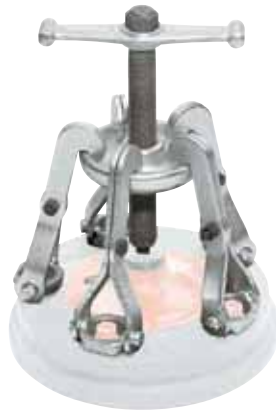
Code	No.	No. of legs	mm	mm
8015690	1.60/3-HSP2	3	1.06/HSP2	4.5
8015770	1.60/4-HSP2	4	1.06/HSP2	5.4
8015850	1.60/5-HSP2	5	1.06/HSP2	5.8



1.61

WHEEL-HUB PULLER for cars and trucks

- For wheel stud circles up to 250 mm
- Easy to use
- Upgradeable with hydraulic spindle
- No. 1.61/H = Spare leg



Code	No.	No. of legs			
8111060	1.61/3	3	G 3/4 x 200	1.06/HSP2	4.7
8111140	1.61/4	4	G 3/4 x 200	1.06/HSP2	5.2
8025300	1.61/5	5	G 3/4 x 200	1.06/HSP2	5.8
8111220	1.61/H	1			0.6

1.61/HSP

WHEEL-HUB PULLER for cars and trucks, hydraulic

- For wheel stud circles up to 250 mm
- Easy to use



Code	No.	No. of legs		
8015930	1.61/3-HSP2	3	1.06/HSP2	5.4
8016150	1.61/4-HSP2	4	1.06/HSP2	6.2
8016230	1.61/5-HSP2	5	1.06/HSP2	6.9



1.62

WHEEL-HUB PULLER for trucks

- For wheel stud circles up to 350 mm
- With wheel stud protection using rotating nut apertures that always lie flat to the hub
- Upgradeable with hydraulic spindle



Code	No.	No. of legs			
8026030	1.62/8	8	G 1 x 310	1.06/HSP3	12.6
8111220	1.61/H	1			0.6

1.62/HSP

WHEEL-HUB PULLER for trucks, hydraulic (not illustrated)

- For wheel stud circles up to 350 mm
- With wheel stud protection using rotating nut apertures that always lie flat to the hub

Code	No.	No. of legs		
8016310	1.62/8-HSP3	8	1.06/HSP3	13.6

1.64

DRIVE SHAFT PULLER

- Suitable for drive shafts with 4 or 5 apertures
- For wheel stud circles 100-155 mm with 6 mm screws
- For tapped holes up to max. M14



Code	No.	mm	
8026700	1.64/1	24	4.5

1.65

PULLING FLANGE heavy-duty pattern

- For wheels and discs with tapped holes up to M16
- The flange is fitted with slots for hole pitches of 180, 120, and 90 degrees
- Additional holes may be drilled to render the flange suitable for other pitches and aperture diameters
- A very sturdy model for heavy parts and the highest requirements



Code	No.		
8027000	1.65/1	G 1.1/4 x 270	16.3

1.66

PULLING FLANGE

- For wheels and discs with tapped holes up to M10
- The flange is fitted with slots for hole pitches of 180 and 120 degrees
- Using one pair each of long (135 mm) and short (85 mm) hooks and a protective cap for the thread of the steering column no. 1.66/11 is suitable as a steering wheel puller

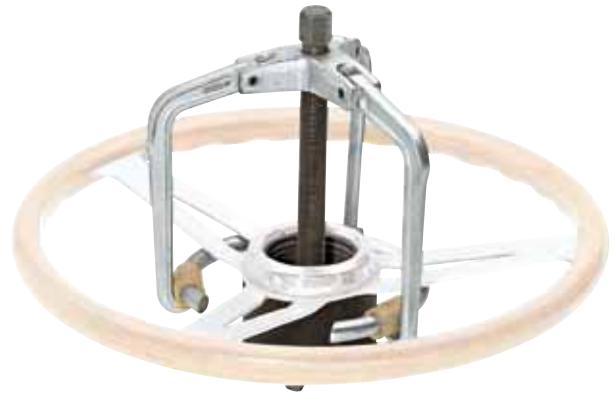


Code	No.	Leg length	mm	
8027510	1.66/1	M 12 x 110	14	0.7
8027780	1.66/11	M 12 x 110	14	1.1

1.68

STEERING-WHEEL PULLER

- Featuring 1 pulling ring each with 100 mm and 150 mm diameter for 3-spoke and 4-spoke steering wheels
- To protect the steering-wheels, the pulling rings are fitted with sliding rubber sleeves



Code	No.	Leg length	mm	
8028750	1.68/1	120	M 18 x 170	19 2.0

1.70

DISMANTLING AND ASSEMBLY FORK

- For fast removal of track rod and push rod ends, steering arms, and other steering parts
- Also suitable for removing shock absorbers and other separating and dismantling work
- The forks are suitable for use in the most confined spaces
- Hammer blows on the handle ends are used to separate the parts



Code	No.	A mm	B mm	C mm	
8029210	1.70/1	18	340	80	0.8
8029480	1.70/2	23	340	80	0.9
8029560	1.70/3	29	350	90	1.1
8029640	1.70/4	40	350	90	1.2
8085040	1.70/5	45	355	95	1.2

1.67

STEERING-WHEEL PULLER for cars

- Contains 1 pair of short legs, 1 pair of long legs, and a protective cap for the thread of the steering column



Code	No.	Clamping reach	Leg length up to	mm	
8028240	1.67/1	35-90	135	M 14x1,5 x 150	17 0.9



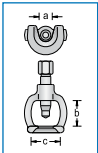


BALL JOINT PULLERS

1.72

BALL JOINT PULLER

- For the simple and damage-free removal of ball pins on track rods and push rods



Code	No.	a	b	c	mm	mm	mm
8030300	1.72/1	18	35	40	M 14x1,5 x 50	17	0.3
8030490	1.72/2	23	45	50	M 14x1,5 x 50	17	0.4
8030570	1.72/3	27	56	60	M 18x1,5 x 80	19	0.7
8030650	1.72/4	37	78	75	G 1/2 x 110	22	1.7

1.73

UNIVERSAL BALL JOINT PULLER

- For removing ball joints on cars and trucks



Code	No.	mm	Clamping height	Fork depth	mm
8030810	1.73/1	23	65	24	0.7
8033240	1.73/3	32	85	28	2.5

1.74

UNIVERSAL BALL JOINT PULLER

- For removing the ball joint journals on track rods, stabilizers, etc.
- Simple operation due to slender lower part and 2-stage lever position



Code	No.	mm	Clamping height	Fork depth	mm
8085200	1.74/1	20	12-50	35	1.4
8085390	1.74/2	20	50-80	35	1.7

OIL FILTER HOOK

1.75

OIL FILTER HOOK 3-arm pattern

- For removing firmly seated oil filters
- With 3/8" female square drive and adaptor 17 mm external

3/8"



Code	No.	mm	mm
8117420	1.75/1	60-120	0.7

Cylinder liner puller are listed on page 236

COIL SPRING COMPRESSORS

1.78 S

SAFETY COIL SPRING COMPRESSOR

- For the safe installation and removal of coil springs with a diameter of 110-180 mm
- Safety note:** When the spindles are tightened evenly, the clamping heads grip the coils tightly, rendering sideways slip impossible
- VPA-GS-tested safety



Code	No.	Clamping reach	mm
8031110	1.78/S1	140	1.8
8031380	1.78/S2	240	2.2
8031460	1.78/S3	340	2.6

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1.78 P

UNIVERSAL COIL SPRING COMPRESSOR

- For MacPherson suspension strut and transverse link axes with spring diameters of 110-180 mm
- The hooks are drop forged
- The wide support rests are matched to the coil spring pitch
- VPA-GS-tested safety
- PK = with plastic cap



Code	No.	Clamping reach	max. t	
8111300	1.78/P1	240	3.5	2.6
8031030	1.78/PK1	240	3.5	2.5



1.79

SPRING SPREADER

- Especially designed for VAG exhaust installations, where the pipe is not held by bolts to the exhaust manifold, but clamped on using springs

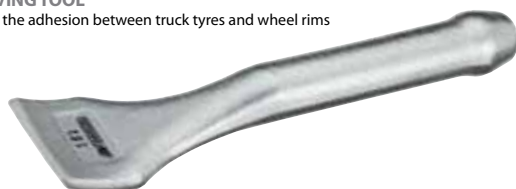


Code	No.	
8112540	1.79/1	0.4

1.91

TYRE REMOVING TOOL

- For breaking the adhesion between truck tyres and wheel rims



Code	No.	l mm	
8032270	1.91	300	2.0

TRACK ALIGNMENT GAUGE

3.01

TRACK ALIGNMENT GAUGE

- For inside measurement
- Suitable for all vehicle types
- With simple, telescopic length adjustment
- Extensive measurement range from 835 to 1500 mm, and with extensions up to 2100 mm
- Track difference measurable from 0-35 mm, easy to read



Code	No.	Description	Measurement range mm	
8033080	3.01	Track alignment gauge	835-1500	1.9
8033160	3.01/V	Extension for track alignment gauge	1500-2100	0.6

NOTES ON USE 3.01

- The vehicle to be tested must be standing on level ground. The front wheels must be set for running straight ahead and have the same tyre pressure. The play in the steering linkage must be removed by pressing the front wheels apart. The track alignment gauge must be set roughly at the axle centre-line between the front tyres in such a manner that the two chain ends contact the ground. The scale is set a "0". The car is allowed to roll forward approx. one half turn of the wheel, until the chain ends again contact the ground. The track difference may then be read off on the scale.

ACCESSORIES

1.26

NUT SPLITTER

- For splitting jammed or stripped nuts without damaging the bolt thread
- Suitable for nuts up to property class 6



Code	No.	for nuts		mm	
8009880	1.26/1	10-17 mm, M6-M10	M 14x1,5 x 37	17	0.3
8009610	1.26/2	17-24 mm, M10-M16	M 14x1,5 x 37	17	0.3
8010030	1.26/3	24-36 mm, M16-M24	M 22x1,5 x 70	24	1.1



1.26/12

NUT SPLITTER SET

- In plastic wallet



Code	No.	Contents 1 each	
8010110	1.26/12	1.26/1 1.26/2	0.6

1.26/K

NUT SPLITTER SET

- For nuts from size 10 mm (M6) to size 36 mm (M24) including spare chisel
- In plastic case with Check-Tool insert



Code	No.	Contents	
2017008	1.26/K-3	as below stated	

Code	No.	Description	Qty.
8009880	1.26/1	Nut splitter	1
8009610	1.26/2	Nut splitter	1
8010030	1.26/3	Nut splitter	1
2017016	1.26/M1	Spare chisel for 1.26/1 + /2	2
2017024	1.26/M3	Spare chisel for 1.26/3	1



1.26 HYD

NUT SPLITTER hydraulic

- With strong chisel, additionally induction hardened
- At the cutting edge for breakage resistance
- The chamfer at the chisel's edge improves the splitting effect and prevents breakage
- With smooth chisel function
- Channel walls rolled, thus mirror-smooth and wear resistant
- For nuts up to property class 10



1.26/1 HYD



1.26/2 HYD

Code	No.	for nuts	mm	max. t	
8009450	1.26/1 HYD	7-22 mm, M4-M14	12	5.0	0.8
8009530	1.26/2 HYD	22-36 mm, M14-M24	12	13.0	3.4

1.28

STUD EXTRACTOR

- For inserting and removing studs
- Even suitable for extremely short stud ends



Code	No.	Ø-Stud	mm	
8010620	1.28/1	6-13	19	0.2
8010700	1.28/2	8-19	19	0.3
8010890	1.28/3	19-25	19	0.4

1.28/4

STUD EXTRACTOR

- For inserting and removing studs
- Even suitable for extremely short stud ends



Code	No.	Ø-Stud	mm	
1465031	1.28/4	5-26	19	0.6

1.44

PULLING CHUCK

- For removing the inner races of dynamos, magnetos, motors, and other machine parts
- Simple operation by tightening the cap nut



Code	No.	Clamping reach	Clamping depth	
8022040	1.44/1	5-32	125	1.4

1.90

FLANGE SEPARATORS (pair)

- For separating DIN standard flanges on pipes when changing seals and doing maintenance work
- For Ø 80-250 mm and screw threads M16-M24
- Use: Always use the separators in pairs and attach them to opposite sides of the flange. When the two spindles are turned alternately, the flanges will be separated from one another evenly. When the spindles are turned back alternately, this guarantees a perfect fitting of the flanges in their original position. Always use in pairs! Press in opposite directions at 180°!



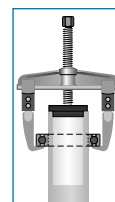
Code	No.	for screw threads	Ø	
1596403	1.90/1	M16 - M24	80-250	5.5

SPINDLE PRESSURE PADS / ADAPTORS

1.80

SPINDLE PRESSURE PADS for axle bores (hollow shafts)

- For the removal of bearings and gear wheels that are mounted on hollow shafts or in housings
- The spindle pressure pad serves as a counter-axis to the puller, where the spindle now transfers the force to the pressure pad

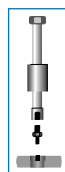


Code	No.	Plate Ø	Holder Ø	
1120697	1.80/1	25 28 32	19 22 25	2.300
		35 41 44	28 32 35	
		48 50 54	38 41 44	
		60 64	48 50	
1120700	1.80/2	67 70 73	54 57 60	2.400
		78 83 90	64 70 76	
1120719	1.80/3	41 44 48	32 35 38	4.300
		50 54 60	41 44 48	
		64 67 70	50 54 57	
		73 78 83	60 64 70	
		90	76	

1.81/1 + 2

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 slide hammers 1.35/1, 1.35/2, threaded support 1.36/1
- No. 1.81/2: For slide hammers 1.35/2, 1.36/2, threaded support 1.36/3



Code	No.	Connecting thread	
1120727	1.81/1	M10 - M4 M10 - M5 M10 - M6	340
		M10 - M8 M10 - M10 M10 - M12	
1120743	1.81/2	M14x1,5 - M8 M14x1,5 - M10	490
		M14x1,5 - M12 M14x1,5 - M14	
		M14x1,5 - M16 M14x1,5 - M18	

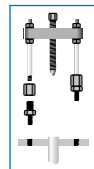




1.81/10 + 20

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

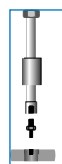


Code	No.	Connecting thread 	
1120735	1.81/10	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12	670
1120751	1.81/20	M14x1,5 - M8 M14x1,5 - M10 M14x1,5 - M12 M14x1,5 - M14 M14x1,5 - M16 M14x1,5 - M18	1222

1.81/K

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/K-1: With slide hammer 1.35/1, rod 230 mm and impact weight 200 g
- No. 1.81/K-12: With slide 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



Code	No.	Connecting thread 	
1936549	1.81/K-1	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12	1000
1936557	1.81/K-12	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12 M14x1,5 - M14 M14x1,5 - M16 M14x1,5 - M18	1830

ADD-ON SYSTEMS

1.18/1.19

ECO PULLER SET

- This perforated panel offers place for every pullers of the series 1.18 and 1.19



Code	No.	Contents 1 each	
1824007	1.18/1.19	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 1.18/02 1.18/01 1.18/00 3-arm Fan puller 1.19/02 1.19/01 1.19/00	21.0

2.10

AUTOMOBILE WORKSHOP SET Add-on system

- Clearly arranged module system
- Everything at hand on perforated wall-board



Code	No.	Contents	
1088696	2.10	as below stated	13.3

Code	No.	Description	Qty.
1076469	106/103	Cross-beam, 2-arm pattern, 140 mm	1
1076981	107/103	Cross-beam, 3-arm pattern, 140 mm	1
1120514	106/A	Pulling leg, 100 mm	3
1175343	106/S100	Pulling leg, slim pattern, 100 mm	3
8003840	1.12/02	Battery-terminal puller, 2-arm pattern	1
8009610	1.26/2	Nut splitter	1
8010700	1.28/2	Stud extractor	1
8029480	1.70/2	Dismantling and assembly fork	1
8030810	1.73/1	Universal ball joint puller	1
8117420	1.75/1	Oil filter hook	1

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2.20

TRUCK WORKSHOP SET Add-on system

- Clearly arranged module system
- Everything at hand on perforated wall-board



Code	No.	Contents	
1088718	2.20	as below stated	23.3

Code	No.	Description	Qty.
1076612	106/2A03	Cross-beam, 2-arm pattern, 260 mm	1
1077023	107/2A03	Cross-beam, 3-arm pattern, 260 mm	1
1120530	106/B	Pulling leg, 100 mm	3
1175475	106/S220	Pulling leg, slim pattern, 220 mm	3
1123947	106/BV	Pulling leg, 300 mm	3
1084593	1.2106210	Spindle	1
8116100	1.06/HSP1	Hydraulic pressure spindle	1
8019840	1.40/2	Bearing separator	1

2.30

INDUSTRIAL PULLING SET Add-on system

- For the assembly of the tried and tested 1.06 and 1.07 versions
- Using this set, you will be able to assemble more than 12 of the usual versions with high-speed clamping legs, including hydraulic spindle, in seconds



Code	No.	Contents	
1393014	2.30	as below stated	19.4

Code	No.	Description	Qty.
1076469	106/103	Cross-beam, 2-arm pattern, 140 mm	1
1076485	106/1A03	Cross-beam, 2-arm pattern, 180 mm	1
1076590	106/203	Cross-beam, 2-arm pattern, 220 mm	1
1076612	106/2A03	Cross-beam, 2-arm pattern, 260 mm	1
1076981	107/103	Cross-beam, 3-arm pattern, 140 mm	1
1077007	107/1A03	Cross-beam, 3-arm pattern, 180 mm	1
1077015	107/203	Cross-beam, 3-arm pattern, 220 mm	1
1077023	107/2A03	Cross-beam, 3-arm pattern, 260 mm	1
1084488	1.1406140	Spindle	1
1084593	1.2106210	Spindle	1
8116100	1.06/HSP1	Hydraulic pressure spindle	1
1178199	106/A-E	Pulling leg	3
1178253	106/B-E	Pulling leg	3

2.30-B

INDUSTRIAL PULLING SET WITH LEG BRAKE Add-on system

- For the assembly of the tried and tested 1.06 and 1.07 versions
- Using this set, you will be able to assemble more than 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



Code	No.	Contents	
2017032	2.30-B	as below stated	

Code	No.	Description	Qty.
1076469	106/103	Cross-beam, 2-arm pattern, 140 mm	1
1076485	106/1A03	Cross-beam, 2-arm pattern, 180 mm	1
1076590	106/203	Cross-beam, 2-arm pattern, 220 mm	1
1076612	106/2A03	Cross-beam, 2-arm pattern, 260 mm	1
1076981	107/103	Cross-beam, 3-arm pattern, 140 mm	1
1077007	107/1A03	Cross-beam, 3-arm pattern, 180 mm	1
1077015	107/203	Cross-beam, 3-arm pattern, 220 mm	1
1077023	107/2A03	Cross-beam, 3-arm pattern, 260 mm	1
1084488	1.1406140	Spindle	1
1084593	1.2106210	Spindle	1
8116100	1.06/HSP1	Hydraulic pressure spindle	1
1956418	1.06/100-B	Pulling legs	3
1956426	1.06/150-B	Pulling legs	3

2.40

PULLING SET FOR CONSTRUCTION MACHINES Add-on system

- For the assembly of the robust and handy strap-pattern pulling tools 1.14 and 1.15
- 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



Code	No.	Contents	
1393030	2.40	as below stated	24.3

Code	No.	Description	Qty.
1077856	114/204	Head	1
1077910	114/304	Head	1
1078054	115/204	Head	1
1078070	115/304	Head	1
1084569	1.1806200	Spindle	1
1084631	1.2106250	Spindle	1
8116100	1.06/HSP1	Hydraulic pressure spindle	1
1077821	114/201	Pulling leg, 210 mm	3
1077899	114/301	Pulling leg, 260 mm	3
1077953	114/401	Pulling leg, 390 mm	3
1077872	114/208	Strap	6
1077937	114/308	Strap	12



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 impact bearing puller 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



Code	No.	Contents		
2017040	2.50	as below stated		

Code	No.	Description	Qty.
8012750	1.30/0	Internal extractor	1
8012830	1.30/1	Internal extractor	1
8012910	1.30/2	Internal extractor	1
8013130	1.30/3	Internal extractor	1
8013480	1.30/4	Internal extractor	1
8013560	1.30/4A	Internal extractor	1
8013640	1.30/5	Internal extractor	1
8013720	1.30/6	Internal extractor	1
8013800	1.30/7	Internal extractor	1
1958070	1.35/1A	Impact bearing puller	1

Code	No.	Description	Qty.
8039010	1.35/2	Impact bearing puller	1
8016580	1.36/1	Support brace	1
8016660	1.36/2	Support brace	1
1868152	1.04/HP1A	Universal puller HIGH POWER	1
1628410	1.13/00	Battery-terminal puller, 3-arm pattern	1
8084580	1.23/15	Puller	1
8017550	1.38/0	Separator puller	1
8017710	1.38/2	Separator puller	1
8018440	1.38/AV	Extension rod	1
8018520	1.38/CV	Extension rod	1
8019680	1.40/0	Bearing separator	1
8019840	1.40/2	Bearing separator	1



SAFETY NOTES

