

KL-4999-820 /-820/AT /-8200

Assembly Trolley "MODULO 820 for Commercial Vehicles",
incl. Hydraulic Cylinder



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PRODUCT DESCRIPTION

KL-4999-820 /-820/AT - Assembly trolley „MODULO 820“

Universally applicable for repairs on wheel bearings, steering and axle systems on commercial vehicles, buses, construction machinery, agricultural machinery, trailers, and semi-trailers.

① The assembly trolley - **KL-4999-8200** does not include the 28t hydraulic cylinder - **KL-0040-2800** in its scope of supply!

Content

- Various drive parts required for operating the tool kits such as, for example, the 28t hydraulic cylinder - **KL-0040-2800**, adapters for hydraulic cylinder, suitable pulling/thrust spindles (M20 + M24) with thrust nut (M24), and quick release nut (M20).
- Various hand tools such as, for example, a 3/4" set of sockets with reversing ratchet, T-handle, extensions (200 + 400mm), and hexagonal sockets (22, 24, 27, 30, 32, 36, 38, 41, 46mm), as well as a ring-fork spanner set XL extra long (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 36, 41mm), 3/4" screwdriver insert (inner hexagon: 14mm), and a metalworker's hammer 1.5kg.
- Wheel hub puller kit - **KL-1005-100 A** to pull off tight-fitting wheel hubs (with removable hub caps), for example, on BPW, SAF, and ZF axle systems with a hole circle diameter of 8x275mm and 10x335mm.
- Wheel hub puller for compact bearings - **KL-1005-110** for pulling tight-fitting wheel hubs (with detachable hub cap), for example, on axle systems with a hole circle diameter of 10x120, 10x122, 10x143, 10x165, 10x168, 10x225, 12x144, 12x145, 12x164, 12x168, 14x138, 14x144.
- Press frame 28 tonnes - **KL-1039-111** for pressing in and out different bushings, bearings, or bolts directly on the vehicle, for example on extension arms, tippers, dumping tippers, lifting arms, hook lift systems, chassis parts, and many more.
- Ball joint breaker kit (with 6 forks) - **KL-0165-3 A** for breaking ball joint connections, for example on axle and steering systems.
- Loosening tool for tie rod end - **KL-0169-82** for unscrewing and inserting tie sluggish rod ends; for example, for track adjustments and when replacing the tie rod end.
- Various kits from the **KL-1010-..** Silent block puller series for removal and installation of slotted and closed silent blocks (Ø 60 + 65mm) directly on the vehicle, for example, on leaf springs and bearing brackets.
- Wheel hub lifting tool - **KL-1029-300** for lifting heavy-weight wheel hubs without the help of a second person, but using a workshop crane.
- Impact double hexagon spanner, size (waf) 24mm - **KL-1070-1224** for unscrewing tight-fitting brake calliper fittings with hexagon profile on BPW and SAF axes.

Necessary drive parts

KL-0215-35 M28 - Hydraulic pump

Assembly trolley specifications

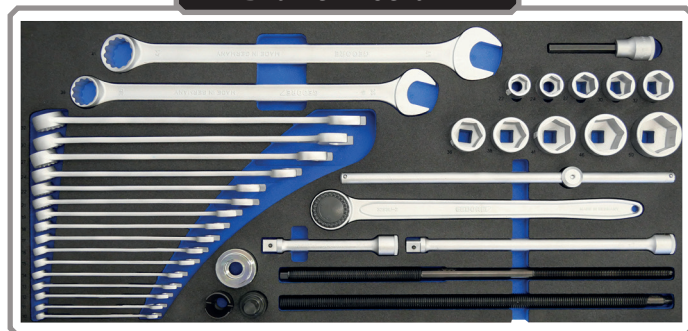
- Dimensions H 985 x W 1200 x D 635mm
- Beech multiplex worktop, 30mm thick, oiled
- Total load carrying capacity: 1000kg / mobile operation: 750kg
- 2 fixed castors Ø 200mm and 2 swivel castors Ø 125mm with total brake
- Steel sheet, corrosion-resistant, scratch-resistant powder-coated in GEDORE blue (KL-4999-820 /8200) or in anthracite/RAL7016 (KL-4999-820/AT)
- Extra wide drawers W 998 x D 474mm with full extension, can be loaded up to 70kg
- Automatic drawer retraction with single pull-out stop and central locking system
- Side walls with Euro perforation 10 x 38mm for fastening hooks and tools

Scope of delivery:

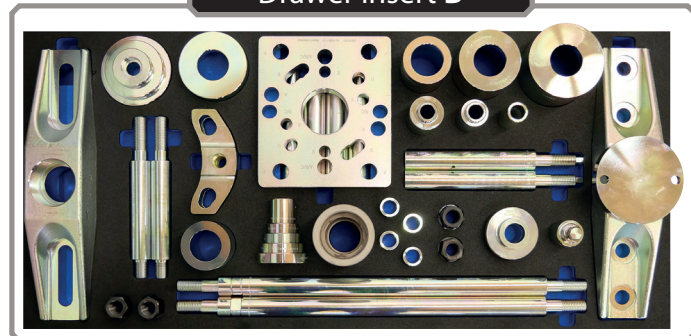
Rolling workbench



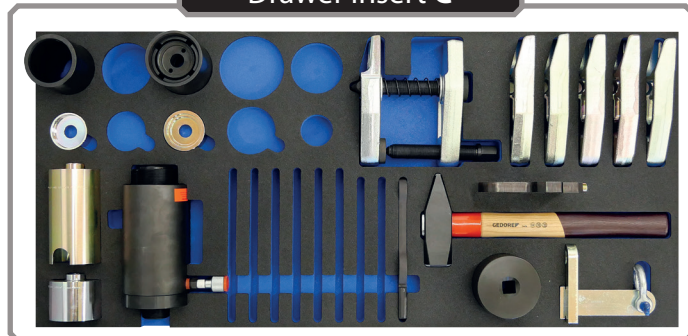
Drawer insert A



Drawer insert B



Drawer insert C



⚠ SAFETY INSTRUCTIONS AND REGULATIONS

- ✔ Read and understand this product information **before using** the special tool, as it serves to familiarise you with the special tool and thus ensures **safe use**!
- ✔ Use the special tool **as intended** and **always** carry out maintenance and repair work in compliance with the regulations on occupational safety and accident prevention as well as the vehicle manufacturer's instructions!
- ✔ **Before each use**, check the special tool **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ✔ **Before each use**, check the moving parts on the **special tool** for dirt, if necessary clean and lubricate it **exclusively** with molybdenum disulphide paste, for example **KL-0014-0030**!
- ✔ **Always** wear your personal protective equipment, e.g. safety goggles, protective gloves, safety shoes, if necessary!
- ✔ Interrupt your work **immediately** if you are unsure about using the special tool, and contact **GEDORE Automotive GmbH** if necessary!
- ✔ Dispose of the special tool and its packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities or **GEDORE Automotive GmbH** about environmentally friendly disposal options!

KL-4999-8201 (Drawer insert A)

⚠ Depending on the application, follow the corresponding special instructions for the special tool!



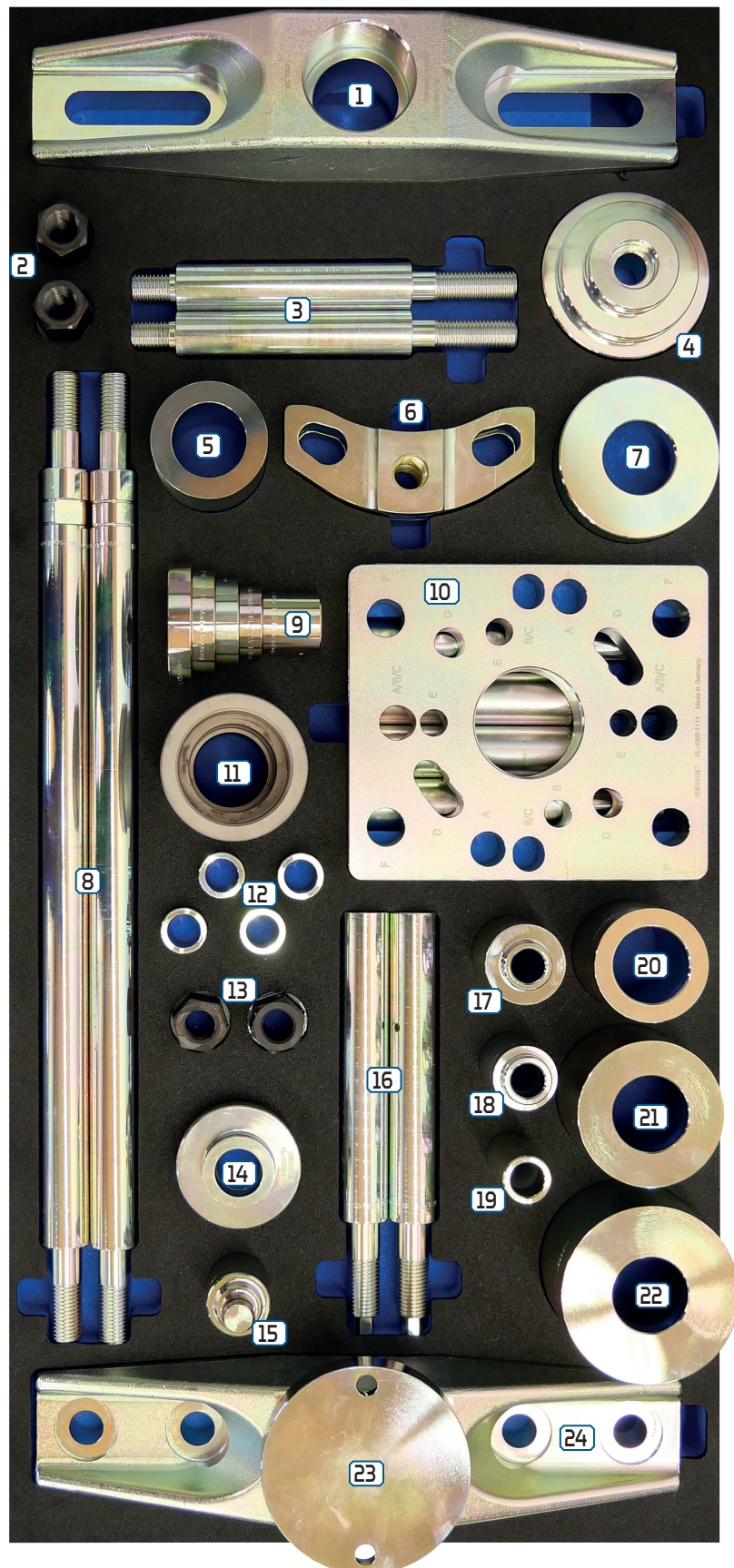
Scope of delivery:

Item	Part no.	Description	Qty.
1	7 XL 10	Combination spanner extra long UD profile, 10mm	1
2	7 XL 11	Combination spanner extra long, UD profile, 11mm	1
3	7 XL 12	Combination spanner extra long, UD profile, 12mm	1
4	7 XL 13	Combination spanner extra long, UD profile, 13mm	1
5	7 XL 14	Combination spanner extra long, UD profile, 14mm	1
6	7 XL 15	Combination spanner extra long, UD profile, 15mm	1
7	7 XL 16	Combination spanner extra long, UD profile, 16mm	1
8	7 XL 17	Combination spanner extra long, UD profile, 17mm	1
9	7 XL 18	Combination spanner extra long, UD profile, 18mm	1
10	7 XL 19	Combination spanner extra long, UD profile, 19mm	1
11	7 XL 21	Combination spanner extra long, UD profile, 21mm	1
12	7 XL 22	Combination spanner extra long, UD profile, 22mm	1
13	7 XL 24	Combination spanner extra long, UD profile, 24mm	1
14	7 XL 27	Combination spanner extra long, UD profile, 27mm	1
15	7 XL 30	Combination spanner extra long, UD profile, 30mm	1
16	7 XL 32	Combination spanner extra long, UD profile, 32mm	1
17	7 XL 36	Combination spanner extra long, UD profile, 36mm	1
18	7 XL 41	Combination spanner extra long, UD profile, 41mm	1
19	KL-0039-2120-2	Quick-release nut M20	1
20	KL-0040-2812-5	Thrust nut M24, Ø 20.5mm	1

Item	Part no.	Description	Qty.
21	KL-0039-1003	Adapter for hydraulic cylinder	1
22	KL-0040-2812-1	Pulling/thrust spindle, M24 x 590	1
23	KL-0040-2846-1 A	Pulling spindle, M20 x 550	1
24	3290-8	VDE extension 3/4", 200mm	1
25	3290-16	VDE extension 3/4", 400mm	1
26	3293 U-2	Reversible ratchet, 3/4"	1
27	3287	Transverse handle 3/4"	1
28	32 22	Socket 3/4", Hexagonal, 22mm	1
29	32 24	Socket 3/4", Hexagonal, 24mm	1
30	32 27	Socket 3/4", Hexagonal, 27mm	1
31	32 30	Socket 3/4", Hexagonal, 30mm	1
32	32 32	Socket 3/4", Hexagonal, 32mm	1
33	32 36	Socket 3/4", Hexagonal, 36mm	1
34	32 38	Socket 3/4", Hexagonal, 38mm	1
35	32 41	Socket 3/4", Hexagonal, 41mm	1
36	32 46	Socket 3/4", Hexagonal, 46mm	1
37	32 50	Socket 3/4", Hexagonal, 50mm	1
38	IN 32 L 14-155	Screwdriver bit 3/4", long Hexagon socket, 14mm	1
KL-4999-8209-1 - Foam insert for drawer			

KL-4999-8202 E (Drawer insert B)

 Depending on the application, follow the corresponding special instructions for the special tool!



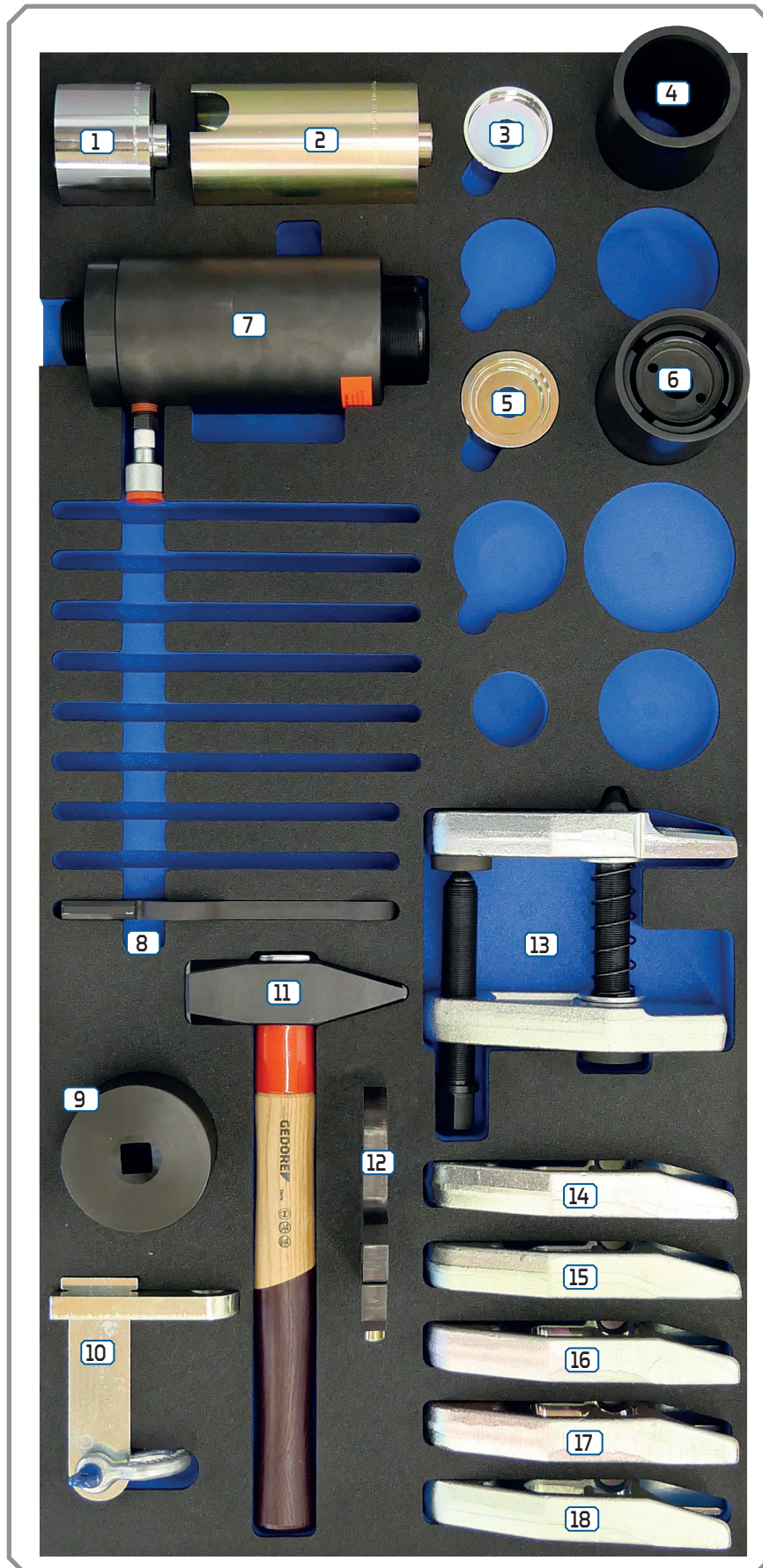
Scope of delivery:

Item	Part no.	Description	Qty.
1	KL-1005-1011	Base plate 2¾"-16 UN	1
2	KL-1005-1014	Hex collar nut M22	2
3	KL-1005-1013	Pull rod M22	2
4	KL-1005-1021	Thrust piece (universal)	1
5	KL-1005-1023	Thrust/support sleeve, long, Ø 73/59mm (SAF axle)	1
6	KL-1005-1012 A	Base M22	2
7	KL-1005-1022	Pressure/support sleeve, short, 103/90mm (ZF axle)	1
8	KL-1039-1102	Pull rod M22	2
9	KL-1005-1119	Thrust disc, Ø 78mm	1
	KL-1005-1118	Thrust disc Ø 68mm	1
	KL-1005-1117	Thrust disc Ø 58mm	1
	KL-1005-1116	Thrust disc, Ø 48mm	1
	KL-1005-1115	Thrust piece, short	1
10	KL-1005-1111	Adapter plate	1
	KL-1005-1113	Adapter spindle low-loader M22x1.5	4

Item	Part no.	Description	Qty.
11	KL-1005-1112	Extension 2 ¾"	1
12	KL-1005-1114	Intermediate sleeve	4
13	KL-1005-1014	Hex collar nut M22	2
14	KL-1039-1105	Adapter 2¾"-16 UNS to Ø 30mm	1
15	KL-1039-1106	Extension for thrust nut M24	1
16	KL-1039-1103	Extension for pull rod M22	2
17	KL-0039-1750	Pressure/support sleeve, long, Ø 50/42mm	1
18	KL-0039-1740	Pressure/support sleeve, long, Ø 40/32mm	1
19	KL-0039-1730	Pressure/support sleeve, long, Ø 30/22mm	1
20	KL-0039-1770	Pressure/support sleeve, long, Ø 70 / 62mm	1
21	KL-0039-1790	Pressure/support sleeve, long, Ø 90 / 82mm	1
22	KL-1039-7110	Pressure/support sleeve, long, Ø 110/102mm	1
23	KL-1039-1107	Bearing base	1
24	KL-1039-1101	Base plate 2¾"-16 UN	1
KL-4999-8209-3 - Foam insert for drawer			

KL-4999-8203 (Drawer insert C)

 Depending on the application, follow the corresponding special instructions for the special tool!



Scope of delivery:

Item	Part no.	Description	Qty.
1	KL-1010-1006	Support sleeve, short, Ø 70mm	1
2	KL-1010-1001	Support sleeve, long, Ø 70mm	1
3	KL-1010-1205	Thrust piece, diameter when removed 60mm	1
4	KL-1010-1201	Conical sleeve, 60mm diameter	1
5	KL-1010-1406	Thrust piece, diameter when removed 65mm	1
6	KL-1010-1401	Conical sleeve, Ø 65mm	1
	KL-1010-1402 A	Resilient thrust piece, Ø 65mm	1
7	KL-0040-2800 M	Hydraulic cylinder 28t	1
	KL-0040-2520	Adapter 3/8" NPT to 1/4" NPT	1
	KL-0215-322	Coupling half (cylinder side)	1
8	KL-1070-1224	Impact spanner, 12-edge profile, size (waf) 24mm	1
9	KL-0169-82	Loosening tool for tie rod end	1

Item	Part no.	Description	Qty.
10	KL-1029-300	Wheel hub lifting tool for commercial vehicles	1
11	600 E-1500	ROTBAND-PLUS metalworker's hammer, with ash wood handle, 1.500 g	1
12	KL-0169-81	Track rod spanner, size (waf) 34mm	1
13	KL-0165-300	Basic tool without fork	1
	KL-0165-3501	Fork, size 3, 33mm	1
14	KL-0165-3401	Fork, 47mm	1
15	KL-0165-3301	Fork, 42mm	1
16	KL-0165-3201	Fork, 40mm	1
17	KL-0165-3101	Fork, 34mm	1
18	KL-0165-3001	Fork, 30mm	1
KL-4999-8209-2 - Foam insert for drawer			

INSTRUCTION OVERVIEW

This overview shows all instructions belonging to the workshop/assembly trolley. Depending on the special tool and application, the corresponding instructions **must be read and understood before use**!

KL-0040-... / KL-0215-... Hydraulic drive parts and accessories

For hydraulically driving
GEDORE Automotive special tools.



KL-1005-100 A Wheel hub puller set for commercial vehicles

For removing the wheel hub.



KL-1005-110 Wheel hub puller for commercial vehicles

For removing of wheel hub/bearing units with removable hub cap.



KL-1039-111 Commercial vehicle press frame 28t

For pressing out and pressing in a wide variety of bushes, bearings or bolts.



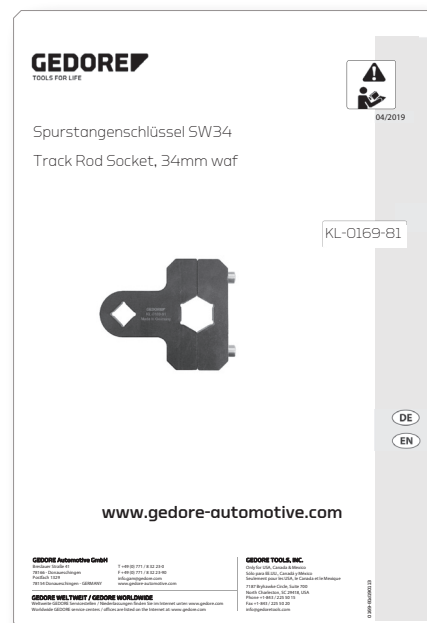
KL-0165-... Ball Joint Breaker Series

For loosening ball joint connections on axle and steering systems.



KL-00169-81 Track Rod Socket, 34mm waf

For loosening and adjusting track and push rods.



KL-00169-82

Track rod end removal socket

For the removal and installation of track rod ends.



KL-1010-..Series

Pulling device vor silent blocks on commercial vehicles

For pressing out and pressing in of slotted and closed silentblochs.



KL-1029-300

Wheel hub lifting tool for commercial vehicles

For lifting of heavy wheel hubs of commercial vehicle and trailer axles.



KL-1070-12 / ..Series

Impact spanner set, 12-edge profile

For loosening and tightening of cardan shaft and brake calliper screw joints.



KL-4999-120 A / -120 A/AT / -121 A

Werkstatt-/Montagewagen

MODULO

Informationen und technische Daten zum Werkstatt-/Montagewagen.



This overview shows, sorted numerically by item number, the **position** of the individual parts in the corresponding **insert** and is intended to facilitate a search.

Part no.	Description	Insert / Position
3287	Transverse handle 3/4"	A / 27
32 22	Socket 3/4", Hexagonal, 22mm	A / 28
32 24	Socket 3/4", Hexagonal, 24mm	A / 29
32 27	Socket 3/4", Hexagonal, 27mm	A / 30
32 30	Socket 3/4", Hexagonal, 30mm	A / 31
32 32	Socket 3/4", Hexagonal, 32mm	A / 32
32 36	Socket 3/4", Hexagonal, 36mm	A / 33
32 38	Socket 3/4", Hexagonal, 38mm	A / 34
32 41	Socket 3/4", Hexagonal, 41mm	A / 35
32 46	Socket 3/4", Hexagonal, 46mm	A / 36
32 50	Socket 3/4", Hexagonal, 50mm	A / 37
3290-16	VDE extension 3/4", 400mm	A / 25
3290-8	VDE extension 3/4", 200mm	A / 24
3293 U-2	Reversible ratchet, 3/4"	A / 26
600 E-1500	ROTBAND-PLUS metalworker's hammer, with ash wood handle, 1.500 g	C / 11
7 XL 10	Combination spanner extra long, UD profile, 10mm	A / 1
7 XL 11	Combination spanner extra long, UD profile, 11mm	A / 2
7 XL 12	Combination spanner extra long, UD profile, 12mm	A / 3
7 XL 13	Combination spanner extra long, UD profile, 13mm	A / 4
7 XL 14	Combination spanner extra long, UD profile, 14mm	A / 5
7 XL 15	Combination spanner extra long, UD profile, 15mm	A / 6
7 XL 16	Combination spanner extra long, UD profile, 16mm	A / 7
7 XL 17	Combination spanner extra long, UD profile, 17mm	A / 8
7 XL 18	Combination spanner extra long, UD profile, 18mm	A / 9
7 XL 19	Combination spanner extra long, UD profile, 19mm	A / 10
7 XL 21	Combination spanner extra long, UD profile, 21mm	A / 11
7 XL 22	Combination spanner extra long, UD profile, 22mm	A / 12
7 XL 24	Combination spanner extra long, UD profile, 24mm	A / 13
7 XL 27	Combination spanner extra long, UD profile, 27mm	A / 14
7 XL 30	Combination spanner extra long, UD profile, 30mm	A / 15
7 XL 32	Combination spanner extra long, UD profile, 32mm	A / 16
7 XL 36	Combination spanner extra long, UD profile, 36mm	A / 17
7 XL 41	Combination spanner extra long, UD profile, 41mm	A / 18
IN 32 L 14-155	Screwdriver bit 3/4", long, Hexagon socket, 14mm	A / 38
KL-0039-1003	Adapter for hydraulic cylinder	A / 21
KL-0039-1730	Pressure/support sleeve, long, Ø 30/22mm	B / 19
KL-0039-1740	Pressure/support sleeve, long, Ø 40/32mm	B / 18
KL-0039-1750	Pressure/support sleeve, long, Ø 50/42mm	B / 17
KL-0039-1770	Pressure/support sleeve, long, Ø 70 / 62mm	B / 20
KL-0039-1790	Pressure/support sleeve, long, Ø 90 / 82mm	B / 21
KL-0039-2120-2	Quick-release nut M20	B / 19
KL-0040-2520	Adapter 3/8" NPT to 1/4" NPT	C / 7
KL-0040-2800 M	Hydraulic cylinder 28t	C / 7

Part no.	Description	Insert / Position
KL-0040-2812-1	Pulling/thrust spindle, M24 x 590	A / 22
KL-0040-2812-5	Thrust nut M24, Ø 20.5mm	A / 20
KL-0040-2846-1 A	Pulling spindle, M20 x 550	A / 23
KL-0165-300	Basic tool without fork	C / 13
KL-0165-3001	Fork, 30mm	C / 18
KL-0165-3101	Fork, 34mm	C / 17
KL-0165-3201	Fork, 40mm	C / 16
KL-0165-3301	Fork, 42mm	C / 15
KL-0165-3401	Fork, 47mm	C / 14
KL-0165-3501	Fork, size 3, 33mm	C / 13
KL-0169-81	Track rod spanner, size (waf) 34mm	C / 12
KL-0169-82	Loosening tool for tie rod end	C / 9
KL-0215-322	Coupling half (cylinder side)	C / 7
KL-1005-1011	Base plate 2 3/4"-16 UN	B / 1
KL-1005-1012 A	Base M22	B / 2
KL-1005-1013	Pull rod M22	B / 3
KL-1005-1014	Hex collar nut M22	B / 2
KL-1005-1014	Hex collar nut M22	B / 13
KL-1005-1021	Thrust piece (universal)	B / 4
KL-1005-1022	Pressure/support sleeve, short, 103/90mm (ZF axle)	B / 7
KL-1005-1023	Thrust/support sleeve, long, Ø 73/59mm (SAF axle)	B / 5
KL-1005-1111	Adapter plate	B / 10
KL-1005-1112	Extension 2 3/4"	B / 11
KL-1005-1113	Adapter spindle low-loader M22x1.5	B / 10
KL-1005-1114	Intermediate sleeve	B / 12
KL-1005-1115	Thrust piece, short	B / 9
KL-1005-1116	Thrust disc, Ø 48mm	B / 9
KL-1005-1117	Thrust disc Ø 58mm	B / 9
KL-1005-1118	Thrust disc Ø 68mm	B / 9
KL-1005-1119	Thrust disc, Ø 78mm	B / 9
KL-1010-1001	Support sleeve, long, Ø 70mm	C / 2
KL-1010-1006	Support sleeve, short, Ø 70mm	C / 1
KL-1010-1201	Conical sleeve, 60mm diameter	C / 4
KL-1010-1205	Thrust piece, diameter when removed 60mm	C / 3
KL-1010-1401	Conical sleeve, Ø 65mm	C / 6
KL-1010-1402 A	Resilient thrust piece, Ø 65mm	C / 6
KL-1010-1406	Thrust piece, diameter when removed 65mm	C / 5
KL-1029-300	Wheel hub lifting tool for commercial vehicles	C / 10
KL-1039-1101	Base plate 2 3/4"-16 UN	B / 24
KL-1039-1102	Pull rod M22	B / 8
KL-1039-1103	Extension for pull rod M22	B / 16
KL-1039-1105	Adapter 2 3/4"-16 UNS to Ø 30mm	B / 14
KL-1039-1106	Extension for thrust nut M24	B / 15
KL-1039-1107	Bearing base	B / 23
KL-1039-7110	Pressure/support sleeve, long, Ø 110/102mm	B / 22
KL-1070-1224	Impact spanner, 12-edge profile, size (waf) 24mm	C / 8