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Hydraulic Cylinder, 17t

KL-0040-2500



EN

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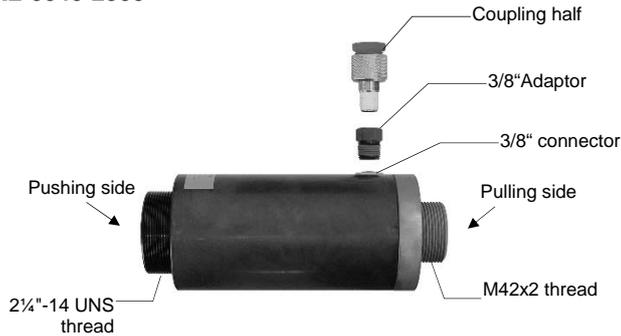
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0040-2500e181020

KL-0040-2500



NOTE: A hydraulic hand pump such as the **KL-0215-35 M25**, **KL-0215-36 M25** or **KL-0215-37 M25** will be needed to drive the hydraulic cylinder **KL-0040-2500**.

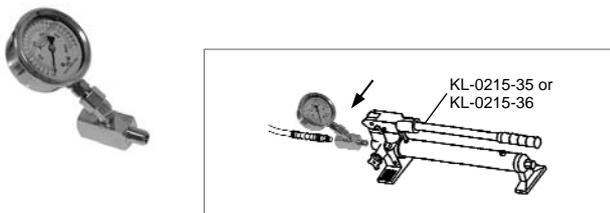
Accessory: Thread adaptors for hydraulic cylinder



Accessory: Hydraulic couplings



Accessory: Pressure gauge



Accessory: KL-0040-2590 Safety belt



KL-0040-2500 Hydraulic Cylinder, 17t

Field of Application

In conjunction with various GEDORE Automotive tools, the **KL-0040-2500** hydraulic-cylinder (17t) covers a wide range of applications, e.g. the removal and installation of drive shafts, wheel hubs, wheel bearings, silentbloks and suspension ball joints. Due to its special design as a hollow piston cylinder, the **KL-0040-2500** hydraulic cylinder can be used to perform pulling as well as pushing operations, in conjunction with the corresponding spindles available as accessories.

Scope of Delivery:

Part No.	Description	Qty
KL-0040-2500	Hydraulic Cylinder, 17t, assembled	1
KL-0040-2520	Adaptor, 3/8"	1
KL-0215-322	Coupling half, cylinder side	1

Warnings and Notes

- Any work on vehicles should only be performed by qualified specialist personnel observing and complying with the directions, provisions, and safety regulations specified by the vehicle manufacturer!
- Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle.
- Before each use, visually check the tool to make sure it is not damaged.

Attention

- Use safety belt **KL-0040-2590** to secure tool against falling.
- Always keep all parts of your body away from the line along which the hydraulic cylinder extends or retracts.
- When working with hydraulic tools, specific safety precautions need to be taken and observed.

Accessories

Thread Adaptors

If an already existing hydraulic pump is to be used as a drive for the **KL-0040-2500** hydraulic cylinder, it is important that the hydraulic pump is fitted with a hose or coupling having a 3/8" NPT connection. If the pump (with hose and coupling) has a different connection size, a thread adaptor will be needed. (See table).

Part No.	Description
KL-0040-2520	Adaptor, 3/8"NPT to 1/4"NPT (e.g. Gedore, Longus, Rodcraft)
KL-0040-2521	Adaptor, 3/8"NPT to M16x1.5 (e.g. Matra)
KL-0040-2522	Adaptor, 3/8"NPT to M18x1.5 (e.g. Weber)
KL-0040-2523	Adaptor, 3/8"NPT to G1/4" (e.g. Nike)

NOTE: The hydraulic cylinders from von Blackhawk, Car Bench, Celette, Enerpac, OTC and Yale are equipped with 3/8"NPT connectors.

Couplings (for KL-0215-35, -36 or -37)

Part No.	Description
KL-0215-321	Coupling half, hose side, 1/4"
KL-0215-322	Coupling half, cylinder side, 1/4"

KL-0040-2529 - Pressure Gauge

The pressure gauge needs to be screw-fitted between the hydraulic pump and hydraulic hose so as to allow the hydraulic pressure to be monitored during operation.

The pressure gauge features an additional ton scale that is specifically adapted to our **KL-0040-2500** hydraulic cylinder.

(E.g. for **KL-0215-35** or **KL-0215-36**)

Measuring range	1000 bar
Pressure gauge Ø	71mm
Connection thread	1/4" NPT

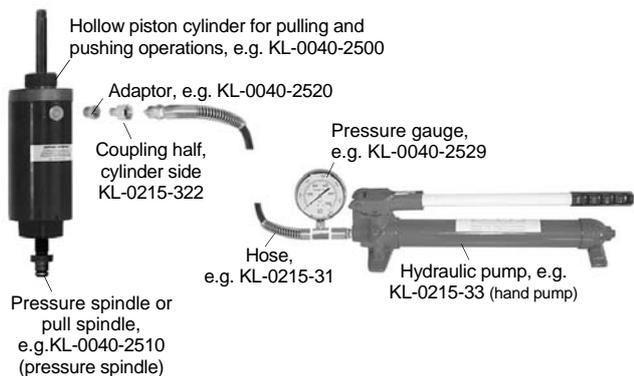
KL-0040-2528 - Pressure Gauge

Like the **KL-0040-2529**, but with 3/8" NPT connection thread.
(e.g. for **KL-0215-37**)

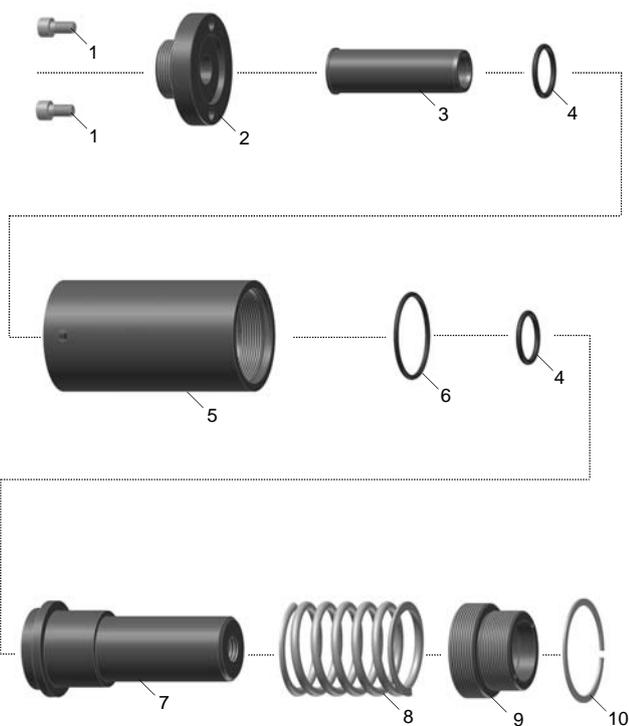
KL-0040-2590 Safety belt

By attaching the safety belt **KL-0040-2590** to the vehicle and to the hydraulic cylinder **KL-0040-2500** the latter is prevented from falling.

Hydraulic drive:



Spare Parts List KL-0040-2500 M Hydraulic Cylinder



Accessory: KL-0215-35 M25 Hydraulic Hand Pump



NOTE: More hydraulic pumps such as the **KL-0215-36 M25** (air-driven hydraulic foot pump) or **KL-0215-37 M25** (hydraulic foot pump) can be found in the GEDORE Automotive Main Catalogue.

Technical Data: KL-0040-2500 Hydraulic Cylinder

Admissible maximum force:	170 kN (17t)
Maximum stroke:	45mm
Maximum oil volume:	122cm ³
Piston area:	27cm ²
Thread in hollow piston:	M20
Retaining thread (pushing side):	2 ¼"-14 UNS
Retaining thread (pulling side):	M42x2
Cylinder external diameter	80mm
Cylinder overall height (piston retracted):	202mm
Cylinder overall height (piston extended):	247mm
Oil connection:	3/8"NPT
Weight:	5.2kg
Hydraulic oil:	HLP 46 or HLPD 46

Spare Parts List KL-0040-2500 Hydraulic Cylinder

Pos.	Part No.	Description	Qty
	KL-0040-2500	Hydraulic Cylinder, 17t	1
<i>composed of:</i>			
1	KL-0040-2511	Cheese Head Screw, M8 x 16	2
2	KL-0040-2505	Adaptor	1
3	KL-0040-2503	Inner Tube	1
4	KL-0040-2508*	Sealing Ring, Ø 36mm	2
5	KL-0040-2501	Housing	1
6	KL-0040-2507*	Sealing Ring, Ø 65mm	1
7	KL-0040-2502	Piston	1
8	KL-0040-2506	Compression Spring	1
9	KL-0040-2504	Threaded Ring	1
10	KL-0040-2509*	Circlip SB68	1

KL-0040-2525 Repair Kit for KL-0040-2500

Scope of Delivery:

see the part numbers with * in spare parts list for **KL-0040-2500**.

Accessory:

KL-0215-35 M25 Hydraulic Hand Pump

The hydraulic hand pump **KL-0215-35 M25** can be used in conjunction with the **KL-0040-2500** hydraulic cylinder as a drive for our pulling and pressing devices.

NOTE:

When operating the pump, the hydraulic pressure and necessary force can be checked at pressure gauge **KL-0040-2529** (supplied with the tool set). The pressure gauge features a tonne scale which is specifically adapted to our **KL-0040-2500** hydraulic cylinder (17t).

Scope of Delivery (KL-0215-35 M25)

Part No.	Description	Qty
KL-0215-35 M25	Hydraulic Hand Pump	1
<i>composed of:</i>		
KL-0215-33	Hydraulic Hand Pump (without hose)	1
KL-0215-31	Hydraulic Hose, 1.8 m, with coupling half, hose side	1
KL-0215-322	Coupling half, cylinder side, 1/4"NPT	1
KL-0040-2520	Adaptor, 3/8"NPT to 1/4"NPT	1
KL-0040-2529	Pressure Gauge	1

Weight: 7.5kg

Maximum pressure: 700 bar



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