

GEDORE

TOOLS FOR LIFE

Hydraulic Hand Pump

including Hose, Coupling, Adaptor and Pressure Gauge



KL-0215-35 M25

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KL-0215-35 M25



KL-0215-35 M25 - Hydraulic Hand Pump including Hose, Coupling, Adaptor and Pressure Gauge

Field of Application

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

Note: The hydraulic pressure and necessary force can be monitored while operating the pump at pressure gauge **KL-0040-2529** (supplied with the tool set). The pressure gauge features an additional tonne scale specifically adapted to our **KL-0040-2500** 17t hydraulic cylinder.

Technical Data

Total weight:	7.0kg
Max. operating pressure:	700bar
Oil volume:	0.5l
Ø of pressure gauge:	71mm
Measuring range of pressure gauge:	0 - 17t

Accessories: KL-0040-2500 Hydraulic Cylinder (17t)
(See description on page 3)

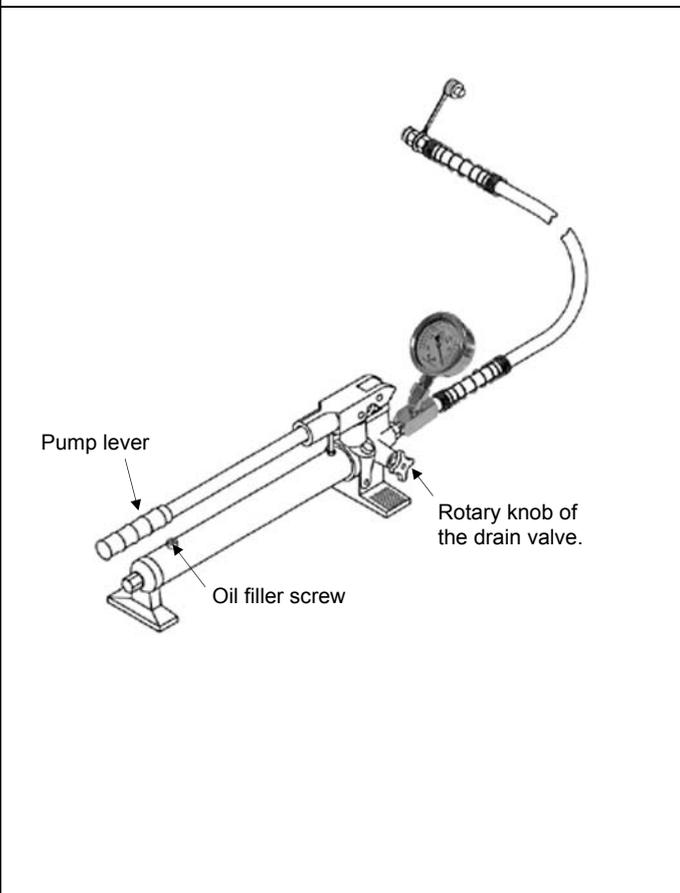


Warnings and Notes

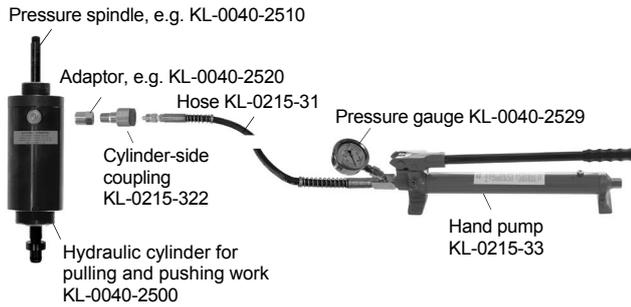
- Carefully read all instructions, warnings and precautions.
- Wear suitable protective clothing and equipment when operating the hydraulic system.
- Hydraulic tools should only be operated by trained specialist personnel observing the safety instructions and procedures.
- The rated capacity of pump, hydraulic cylinder and equipment must correspond.
- Each time before use, check the hydraulic fluid level and examine the hydraulic system for leaks.
- Never detach the hydraulic hose or the pump from an extended hydraulic cylinder.
- Disconnect the hydraulic hose only with the drain valve open.
- Before each use, verify in the hydraulic pump the absence of leakage, damage or missing parts.
- Before starting repairs, separate the pump from the cylinder.
- WARNING:** The system operating pressure must not exceed the pressure rating of the lowest rated component in the system. In order to monitor the operating pressure, the pressure gauge **KL-0040-2529** is installed into the system.

Installation

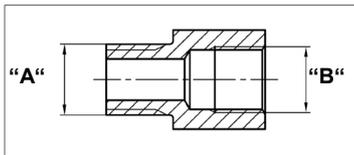
1. **Connect hydraulic hose to hydraulic cylinder.**
Important: Never connect the hydraulic hose or the pump to an extended hydraulic cylinder, otherwise the pump will be overfilled while the cylinder is being retracted.
2. **Bleed the hydraulic system.**
When connecting the hydraulic components, air may be trapped in the system and cause malfunctions. Bleed the system by fully extending and retracting the hydraulic cylinder, without load, twice or three times. While doing so, make sure the pump is in a higher position than the cylinder in order to allow air to escape into the hydraulic fluid reservoir of the pump.



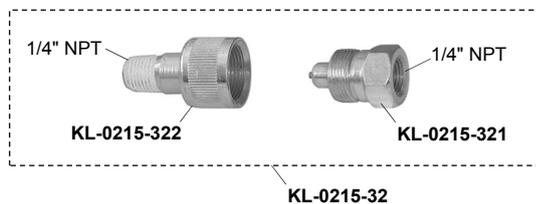
Hydraulic Accessories



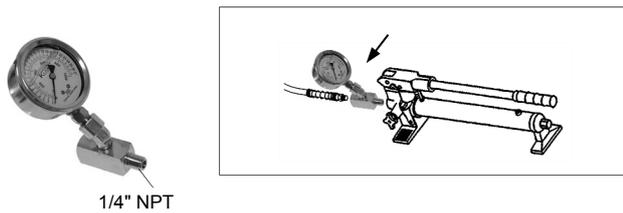
Accessories: Thread Adaptors for Hydraulic Cylinder



Accessories: Hydraulic Couplings



Accessories: Pressure Gauge



Accessories: KL-0040-2500 Hydraulic Cylinder (17t)



3. **Check hydraulic fluid level and top up if necessary.**
 Remove oil filler screw. The correct hydraulic fluid level is about 1cm below the top edge of the bore hole. If necessary, top up with HLP 46 or HLPD 46 hydraulic fluid.

Note:

- Always check the fluid level with the cylinder retracted and the drain valve opened.
- Do not overfill the pump.
- Use only the specified HLP 46 or HLPD 46 hydraulic fluid.

4. **Insert and tighten the oil filler screw.**

Operating Instructions

Actuating the pump:

1. **Close** the drain valve by turning its knob **clockwise**.
2. Actuate the pump lever until the desired hydraulic pressure or length of stroke has been reached.

Relieving the pressure:

1. **Open** the drain valve by turning its knob **counter-clockwise**.
 The pressure relief process can be interrupted by closing the drain valve (turn knob clockwise).
 The drain valve is designed to allow the pressure to be reduced in a controlled manner.

Scope of Delivery

Part No.	Description	Qty
KL-0215-35 M25	Hydraulic Hand Pump	1
<i>consists of</i>		
KL-0215-33	Hydraulic Hand Pump (without hose)	1
KL-0215-31	Hydraulic Hose, 1.8m, with Hose-Side Connector	1
KL-0215-322	Cylinder-Side Connector, 1/4"NPT	1
KL-0040-2520	Adaptor, 3/8"NPT to 1/4"NPT	1
KL-0040-2529	Pressure Gauge	1

Accessories

Hydraulic Accessories: Adaptors

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

Note: Hydraulic Cylinders from Blackhawk, Car Bench, Celette, Enerpac, OTC and Yale feature 3/8"NPT couplings

Hydraulic Accessories: Couplings

Part No.	Description	Qty
KL-0215-32	Hydr. coupling completed	1
<i>consists of</i>		
KL-0215-321	Hose-side coupling, 1/4" NPT	1
KL-0215-322	Cylinder-side coupling, 1/4" NPT	1

KL-0040-2229 Pressure Gauge for KL-0040-2200 (10t)

If the 10t hydraulic cylinder **KL-0040-2200** is operated with hydraulic pump **KL-0215-36 M25**, the pressure gauge **KL-0040-2529** (suitable for the 17t hydraulic cylinder **KL-0040-2500**) needs to be replaced with pressure gauge **KL-0040-2229**.

KL-0040-2829 Pressure Gauge for KL-0040-2800 (28t)

If the 28t hydraulic cylinder **KL-0040-2800** is operated with hydraulic pump **KL-0215-36 M25**, the pressure gauge **KL-0040-2529** (suitable for the 17t hydraulic cylinder **KL-0040-2500**) needs to be replaced with pressure gauge **KL-0040-2829**.

KL-0040-2500 Hydraulic Cylinder, 17t

Thanks to its special design as a hollow piston cylinder, the **KL-0040-2500** hydraulic cylinder (17t) can be used to perform pulling as well as pushing operations in conjunction with the corresponding spindles available as accessories.

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