

Application

The TMJL 100 has a maximum pressure of 100 MPa (14,500 psi) and is intended for use with hydraulic nuts or for mounting/dismounting bearings or other machinery components with an interference fit using the SKF oil injection method. It is also suitable for use with bolt tensioners and standard hydraulic cylinders where the maximum pressure does not exceed 100 MPa (14,500 psi). The TMJL 100 is delivered as standard with the SKF Hydraulic pullers **TMHP 15**, **TMHP 30** and **TMHP 50**

Description

The TMJL 100 uses a similar pump head to the TMJL 50. The pump head has an over-pressure valve and a pressure gauge is fitted as standard. The pressure release valve is an integrated part of the pump head. The pump is supplied with a 3 metre (9,8 feet) long high pressure hose with quick connection coupling. A mating quick connection nipple intended for attachment to the workpiece is included. The pump comes filled with SKF Mounting Fluid LHMf 300 and is delivered with an additional 1 litre can. The complete pump is packed in a sturdy transport box.

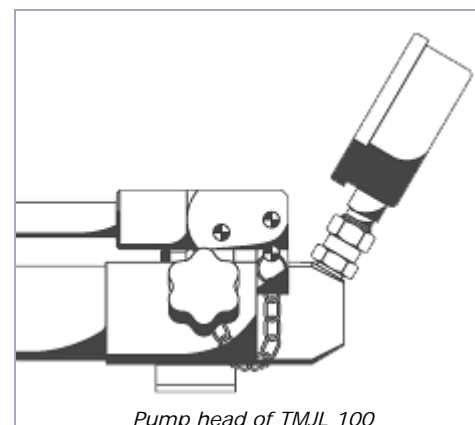


Technical data

| Designation | TMJL 100 |
|---------------------------------|---|
| Maximum pressure | 100 MPa (14,500 psi) |
| Volume/stroke | 1,0 cm ³ (0.06 in ³) |
| Oil container capacity | 800 cm ³ (48 in ³) |
| Oil viscosity of mounting fluid | 300 mm ² /s (1,400 SUS) at 20 °C |
| Length of pressure hose | 3 metres (9.8 ft) |
| Connection nipple | G 1/4, male or female |
| Handle force at 100 MPa | 320 N (70 lbf) |
| Pressure gauge | 120 MPa 100 mm diameter |
| Length | 650 mm (26 in) |
| Width | 130 mm (5.1 in) |
| Height | 220 mm (8.6 in) |
| Total weight | 13 kg (29 lb) |

Replacement parts

| | |
|-------------------|--|
| TMJL 100-1 | Hand pump (sub-assembly) |
| TMJL 100-2 | Repair kit |
| TMJL 100-3 | Gauge connection nipple |
| 729831 A | Quick connection coupling, G 1/4 |
| 729832 A | Quick connection nipple, G 1/4 |
| 729834 | High pressure hose |
| 1077587 | Pressure gauge 120 MPa 100 mm diameter |
| LHMf 300/5 | Mounting fluid (5 litre, 300 mm ² /s at 20 °C) |
| LHMf 900/5 | Dismounting fluid (5 litre, 900 mm ² /s at 20 °C) |
| 728245/3 A | Transport box |



Pump head of TMJL 100

Special execution - TMJL 100SRB

For use with the **Drive-up method** the TMJL 100 is also available with the mounting gauge **TMJG 100D**. The suitable size range for the TMJL 100SRB is nuts up and including HMV 92E.

The complete pump kit consists of

| Designation | Description |
|-------------------|-----------------------------|
| TMJL 100-1 | Hand pump |
| TMJG 100D | Precision digital gauge |
| TMJL 100-5 | Nipple for pressure gauge |
| 729834 | High pressure hose; 3 m |
| 729831 A | Quick connection coupling |
| 729832 A | Quick connection nipple |
| LHMf 300/1 | Mounting fluid, 1 litre can |
| 728245/3 A | Transport box |

