

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.

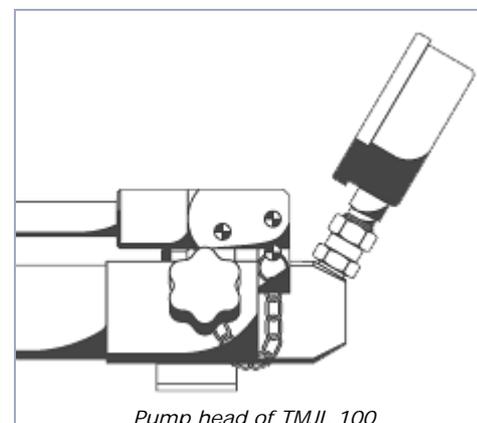


Technical data

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

