

Hydraulic pump and oil injector selection guide					
Max. working pressure	Pump	Type	Oil container capacity	Connection nipple	Application examples ¹⁾
30 MPa (4 350 psi)	THAP 030E	Air-driven pump	Separate container	G 3/4	SKF OK Coupling hydraulic chamber
50 MPa (7 250 psi)	TMJL 50 ²⁾	Hand operated pump	2 700 cm ³ (165 in. ³)	G 1/4	All SKF HMV.E hydraulic nuts SKF OK Coupling hydraulic chamber
100 MPa (14 500 psi)	729124 ²⁾	Hand operated pump	250 cm ³ (15 in. ³)	G 1/4	SKF HMV.E hydraulic nuts of size HMV 54 and smaller Oil injection for small bearing seatings
	TMJL 100 ²⁾	Hand operated pump	800 cm ³ (48 in. ³)	G 1/4	SKF HMV.E hydraulic nuts of size HMV 92 and smaller Oil injection for medium bearing seatings
150 MPa (21 750 psi)	THAP 150E	Air-driven pump	Separate container	G 3/4	Bolt tensioners, propellers Oil injection for large bearing seatings
	728619 E	Hand operated pump	2 550 cm ³ (155 in. ³)	G 1/4	SKF HMV.E hydraulic nuts Oil injection for large bearing seatings and SKF Supergrip bolts
300 MPa (43 500 psi)	THAP 300E	Air-driven oil injector	Separate container	G 3/4	OK Couplings Large pressure joints Oil injection for large gears and railway wheels
	226400 E	Hand operated oil injector	200 cm ³ (12.2 in. ³)	G 3/4	OK Couplings Oil injection for gears and railway wheels Pressure joints
	729101/ 300MPA	Oil injection kit	200 cm ³ (12.2 in. ³)	Several	OK Couplings Oil injection for gears and railway wheels Pressure joints Kit with accessories suitable for many applications
	THKI 300	Oil injection set	200 cm ³ (12.2 in. ³)	Several	Oil injection for gears and railway wheels Pressure joints Kit with accessories suitable for many applications
400 MPa (58 000 psi)	THAP 400E	Air-driven oil injector	Separate container	G 3/4	OK Couplings Large pressure joints Oil injection for large gears and railway wheels
	226400 E/400	Hand operated oil injector	200 cm ³ (12.2 in. ³)	G 3/4	OK Couplings Oil injection for gears and railway wheels Pressure joints
	729101/ 400MPA	Oil injection kit	200 cm ³ (12.2 in. ³)	Several	OK Couplings Oil injection for gears and railway wheels Pressure joints Kit with accessories suitable for many applications
	THKI 400	Oil injection set	200 cm ³ (12.2 in. ³)	Several	Oil injection for gears and railway wheels Pressure joints Kit with accessories suitable for many applications

¹⁾ The interference fit and application size may mean that a pump / injector with a higher pressure and/or container volume is required.

²⁾ Also available with digital pressure gauge (see page p71)

Hydraulic tools

Hydraulic pumps



50 MPa (7 250 psi)

SKF Hydraulic Pump TMJL 50

The SKF TMJL 50 is mainly intended for larger SKF Hydraulic Nuts and SKF OK Coupling hydraulic chambers, but is also suitable for applications where a maximum pressure of 50 MPa (7 250 psi) is required.

- Large oil container capacity 2 700 cm³ (165 in.³)
- Over pressure valve and connection port for a pressure gauge
- Packed in a sturdy protective case

Applications

- SKF OK Coupling hydraulic chambers
- All sizes SKF Hydraulic Nuts
- Oil injection applications where the maximum pressure is 50 MPa (7 250 psi)



100 MPa (14 500 psi)

SKF Hydraulic Pump 729124

The SKF 729124 is mainly intended for SKF Hydraulic Nuts (\leq HMV 54E) to mount bearings or components where a maximum pressure of 100 MPa (14 500 psi) is required.

- Oil container capacity 250 cm³ (15 in.³)
- Fitted with a pressure gauge
- Packed in a sturdy protective case

Applications

- SKF Hydraulic Nuts \leq HMV 54E
- Oil injection applications where the maximum pressure is 100 MPa (14 500 psi)
- For applications where space does not permit the use of a quick connect coupling and nipple, such as AOH sleeves, a special pump design that direct screws into a G¹/₄ fitting is available. (SKF 729124 A)

Technical data				
Designation	TMJL 50	729124	TMJL 100	728619 E
Maximum pressure	50 MPa (7 250 psi)	100 MPa (14 500 psi)	100 MPa (14 500 psi)	150 MPa (21 750 psi)
Oil container capacity	2 700 cm ³ (165 in. ³)	250 cm ³ (15 in. ³)	800 cm ³ (48 in. ³)	2 550 cm ³ (155 in. ³)
Volume/stroke	3,5 cm ³ (0.21 in. ³)	0,5 cm ³ (0.03 in. ³)	1,0 cm ³ (0.06 in. ³)	1st stage: 20 cm ³ below 2,5 MPa (1.2 in. ³ below 362 psi) 2nd stage: 1 cm ³ above 2,5 MPa (0.06 in. ³ above 362 psi)
Length of pressure hose fitted with quick connection coupling	3 000 mm (118 in.)	1 500 mm (59 in.)	3 000 mm (118 in.)	3 000 mm (118 in.)
Connection nipple (included)	G ¹ / ₄ quick connection	G ¹ / ₄ quick connection	G ¹ / ₄ quick connection	G ¹ / ₄ quick connection
Weight	12 kg (26 lb)	3,5 kg (8 lb)	13 kg (29 lb)	11,4 kg (25 lb)

All SKF Hydraulic Pumps are filled with SKF Mounting Fluid and are supplied with an extra litre of fluid.



Large oil container 100 MPa (14 500 psi)

SKF Hydraulic Pump TMJL 100

The SKF TMJL 100 pump is mainly intended for use with hydraulic nuts (\leq HMV 92E) to mount bearings or components where a maximum pressure of 100 MPa (14 500 psi) is required.

- Oil container capacity 800 cm³ (48 in.³)
- Fitted with a pressure gauge
- Packed in a sturdy protective case

Applications

- SKF Hydraulic Nuts \leq HMV 92E
- Oil injection applications where the maximum pressure is 100 MPa (14 500 psi)
- Suitable with SKF Hydraulic Assisted Pullers TMHP series



150 MPa (21 750 psi)

SKF Hydraulic Pump 728619 E

The SKF 728619 E is a two-stage pump suitable for use with SKF Supergrip Bolts and to mount bearings or components where a maximum pressure of 150 MPa (21 750 psi) is required.

- Oil container capacity 2 550 cm³ (155 in.³)
- Two stage pressure pumping
- Fitted with a pressure gauge
- Packed in a sturdy protective case

Applications

- SKF Supergrip Bolts
- Oil injection applications where the maximum pressure is 150 MPa (21 750 psi)
- All sizes SKF Hydraulic Nuts



SKF Mounting Fluid LHM 300 and SKF Dismounting Fluid LHDF 900

SKF mounting and dismounting fluids are suitable for use with SKF hydraulic equipment, including hydraulic pumps, HMV ..E nuts and oil injection tools in mounting and dismounting jobs. All SKF Hydraulic Pumps are filled with SKF Mounting Fluid LHM 300 and are supplied with an extra litre of fluid.

For more information, see page 76