



Dismounting

SKF Product Data Sheet

Advanced hydraulic spindles TMHS 75 and TMHS 100

Effortless withdrawal force generation

The SKF advanced hydraulic spindles TMHS 75 and TMHS 100 generate a high pulling force with very little effort compared to the standard mechanical spindles. They dramatically reduce the time needed to dismount a bearing or other component. The spindles are equipped with integrated hydraulic pumps for force generation. Maximum pulling forces are limited by special safety valves and the hydraulic oil will remain inside the pump.

- Integrated hydraulic cylinder, pump and spindle – no separate pump is required
- Safety valve helps prevent overloading the spindle and the puller in case excessive force is applied
- Spring-loaded centre point in the nosepiece allows easy centring of the puller on the shaft without damaging shaft centre point
- Hand lever with ergonomic grip can be rotated 360°
- Hardened and chrome plated piston with spring return function
- Extension pieces included allows easy adaptation for the required pulling length



TMHS 75:

- The TMHS 75 has a maximum withdrawal force of 75 kN (8.4 ton (US)) and a long stroke length of 75 mm (3.0 in), which allows dismounting in one operation
- Suitable for use with any puller equipped with a UN 11/4" × 12 tpi threading that can be used up to the maximum force of 75 kN (8.4 ton (US))
- Delivered with a 50 (2.0 in) and 100 mm (3.9 in) extension piece

TMHS 100:

- The TMHS 100 has a maximum withdrawal force of 100 kN (11.2 ton (US)) and a long stroke of 80 mm (3.1 in), which allows dismounting in one operation
- Suitable for use with any puller equipped with a UN 11/2" × 16 tpi threading that can be used up to the maximum force of 100 kN (11.2 ton (US))
- Delivered with a 50 (2.0 in), 100 mm (3.9 in) and 150 mm (5.9 in) extension piece



SKF force generator selection

Puller	Mechanical spindle	TMHS 75	TMHS 100
TMMA 60	■		
TMMA 80	■	●	
TMMA 120			●
TMMA 75H		■	
TMMA 100H			■
TMMA 100H/SET			■
TMBS 50E	■		
TMBS 100E			■
TMBS 150E			■
TMHC 110E			■
TMHP 10E			■

■ = Standard with puller ● = Accessory for puller



Technical data

Designation	TMHS 75	TMHS 100
Contents	1 × hydraulic spindle 2 × extension pieces; 50 and 100 mm (2,0 and 3,9) 1 × nosepiece	1 × hydraulic spindle 3 × extension pieces; 50, 100 and 150 mm (2,0, 3,9 and 5,9 in) 1 × nosepiece
Maximum withdrawal force	75 kN (8,4 ton US)	100 kN (11,2 ton US)
Piston stroke	75 mm (3,0 in)	80 mm (3,1 in)
Body thread	UN 1 1/4 × 12	UN 1 1/2 × 16
Nose piece diameter	35 mm (1,4 in)	30 mm (1,2 in)
Maximum reach	204 mm (8,0 in)	354 mm (13,9 in)
Weight	2,7 kg (6,0 lb)	4,5 kg (10,0 lb)

SKF Maintenance Products

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