SKF Hydraulic & Strong Back Pullers



SKF Hydraulic Jaw Puller



Effortless bearing dismounting up to 100 kN

SKF Hydraulic Jaw Puller Kit TMHP 10E

- A versatile kit with three different arm lengths is suitable for a wide range of applications
- Hydraulic spindle facilitates effortless dismounting
- Self-locking arms minimise the risk of the puller slipping from the application when under load
- The spring-loaded centre point of the hydraulic spindle allows easy puller centring
- The hydraulic spindle is equipped with a safety valve, which minimises the risk of puller overload
- High load rating of 100 kN *(11.2 US ton)* makes the puller suitable for a variety of dismounting jobs
- A hydraulic spindle stroke of 80 mm *(3.1 in.)* helps facilitate dismounting in one operation
- Supplied with hydraulic spindle extension pieces to allow quick adaptation to pulling length

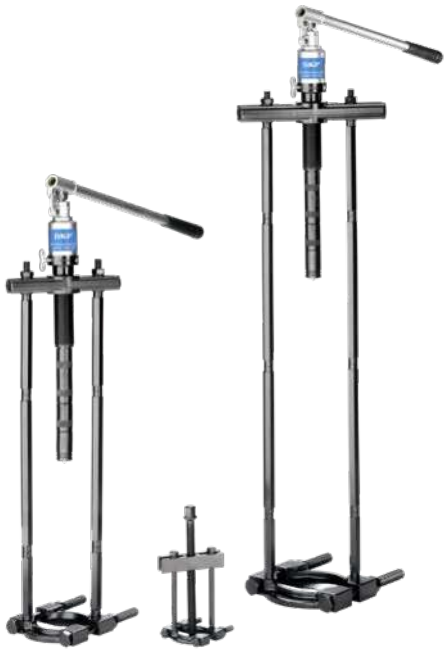


Technical data

Designation	TMHP 10E
Contents	1 × arm–assembly stand 3 × arms, 115 mm *(4.5 in.)* 3 × arms, 160 mm *(6.3 in.)* 3 × arms, 200 mm *(7.8 in.)* 1 × hydraulic spindle TMHS 100 3 × extension pieces for hydraulic spindle; 50, 100 and 150 mm *(2, 4, 6 in.)* 1 × nosepiece with centre point for hydraulic spindle
Maximum stroke	80 mm *(3.1 in.)*
Nominal working force	100 kN *(11.2 US ton)*
Threading hydraulic cylinder	$1\frac{1}{2}$"-16 tpi
Carrying case dimensions	578 × 410 × 70 mm *(23 × 16 × 2.8 in.)*
Weight	14,5 kg *(32 lb)*

Arms set 2 (3 ×)		
Effective arms length	115 mm	*(4.5 in.)*
Width of grip	75–170 mm	*(2.9–6.7 in.)*
Claw height	8 mm	*(0.3 in.)*
Arms set 2 (3 ×)		
Effective arms length	160 mm	*(6.3 in.)*
Width of grip	80–250 mm	*(3.1–9.8 in.)*
Claw height	8 mm	*(0.3 in.)*
Arms set 3 (3 ×)		
Effective arms length	200 mm	*(7.9 in.)*
Width of grip	110–280 mm	*(4.3–11 in.)*
Claw height	8 mm	*(0.3 in.)*

SKF Strong Back Pullers



Easy bearing dismounting even in the tightest spaces

SKF Strong Back Pullers TMBS E series

The SKF TMBS E strong back pullers facilitate dismounting of bearings in applications where the use of traditional jaw pullers is restricted due to lack of space or where the application demands a long reach.

- Special separator design allows the puller to be easily inserted between the bearing and the shoulder on the shaft
- The spring-loaded centre point of the hydraulic spindle allows easy puller centring
- The firm grip behind the bearing's inner ring reduces the force required to dismount the bearing
- The hydraulic spindle is equipped with a safety valve, which minimises the risk of puller overload
- A hydraulic spindle stroke of 80 mm *(3.1 in.)* helps facilitate dismounting in one operation
- SKF TMBS 50E is equipped with a mechanical spindle for force generation
- SKF TMBS 100E and the SKF TMBS 150E are equipped with a hydraulic spindle, which allows for easy application of force up to 100 kN *(11.2 US ton)*
- Supplied with hydraulic spindle extension pieces to allow quick adaptation to pulling length
- SKF TMBS 100E and SKF TMBS 150E are supplied with extension rods to allow quick adaptation to pulling lengths upto 816 mm *(32.1 in.)*

Selection chart

Designation	Shaft diameter		Maximum bearing outer diameter		Maximum reach	
	mm	*in.*	mm	*in.*	mm	*in.*
TMBS 50E	7–50	*0.3–1.9*	85	*3.3*	110	*4.3*
TMBS 100E	20–100	*0.8–3.9*	160	*6.3*	120–816	*4.7–32.1*
TMBS 150E	35–150	*1.4–5.9*	215	*8.5*	120–816	*4.7–32.1*
TMHC 110E	20–100	*0.8–3.9*	160	*6.3*	120–245	*4.7–9.6*



Powerful combination of a jaw and strong back puller

SKF Hydraulic Puller Kit TMHC 110E

- SKF TMHC 110E hydraulic puller kit combines a jaw puller and a strong back puller
- A versatile puller kit facilitates safe and easy dismounting in a variety of applications
- Hydraulic spindle facilitates easy and quick dismounting
- High load rating of 100 kN *(11.2 US ton)*
- The strong back puller includes two different arm lengths for maximum reach of 115 mm (*4.5 in.*)
- The jaw puller can be assembled as a three-arm or two-arm puller depending on the space and demands of the application
- The firm grip of the strong back puller behind the bearing's inner ring reduces the force required to dismount the bearing
- Supplied with extension rods to allow quick adaptation to pulling lengths upto 245 mm (*9.6 in.*)







Technical data

Designation	TMBS 50E	TMBS 100E	TMBS 150E
Contents	1 × separator set 1 × mechanical spindle 1 × beam 2 × main rods	1 × separator set 2 × main rods 2 × extension rods, 125 mm *(4.9 in.)* 4 × extension rods, 285 mm *(11.2 in.)* 1 × beam 1 × hydraulic spindle TMHS 100 2 × extension pieces for hydraulic spindle; 50, 100 mm *(2.0, 3.9 in.)* 1 × nosepiece with centre point for hydraulic spindle	1 × separator set 2 × main rods 2 × extension rods, 125 mm *(4.9 in.)* 4 × extension rods, 285 mm *(11.2 in.)* 1 × beam 1 × hydraulic spindle TMHS 100 2 × extension pieces for hydraulic spindle; 50, 100 mm *(2.0, 3.9 in.)* 1 × nosepiece with centre point for hydraulic spindle
Maximum stroke	–	80 mm *(3.1 in.)*	80 mm *(3.1 in.)*
Nominal working force	30 kN *(3.4 US ton)*	100 kN *(11.2 US ton)*	100 kN *(11.2 US ton)*
Maximum reach	110 mm *(4.3 in.)*	120–816 mm *(4.7–32.1 in.)*	120–816 mm *(4.7–32.1 in.)*
Shaft diameter range	7–50 mm *(0.3–2 in.)*	20–100 mm *(0.8–3.9 in.)*	35–150 mm *(1.4–5.9 in.)*
Threading hydraulic cylinder	–	1 1/2"-16 UN	1 1/2"-16 UN
Carrying case dimensions	295 × 190 × 50 mm *(11.6 × 7.5 × 2 in.)*	580 × 410 × 70 mm *(23 × 16 × 2.8 in.)*	580 × 410 × 70 mm *(23 × 16 × 2.8 in.)*
Weight	1,8 kg *(4 lb)*	13,5 kg *(29.8 lb)*	17 kg *(37.5 lb)*



Technical data

Designation	TMHC 110E		
Contents	1 × arm–assembly stand 3 × arms, 65 mm *(2.6 in.)* 3 × arms, 115 mm *(4.5 in.)* 1 × separator set 1 × beam 2 × main rods 2 × extension rods, 125 mm *(4.9 in.)* 1 × hydraulic spindle TMHS 100 2 × extension pieces for hydraulic spindle; 50, 100 mm *(2.0, 3.9 in.)* 1 × nosepiece with centre point for hydraulic spindle	Arms set 1 (3 ×) Effective arms length Width of grip Claw height Arms set 2 (3 ×) Effective arms length Width of grip Claw height Strong back puller Maximum reach Shaft diameter range	 65 mm 50–110 mm 8 mm 115 mm 75–170 mm 8 mm 250 mm 20–100 mm
Maximum stroke	80 mm *(3.1 in.)*		
Nominal working force	100 kN *(11.2 US ton)*		
Threading hydraulic cylinder	1 1/2"-16 UN		
Carrying case dimensions	580 × 410 × 70 mm *(23 × 16 × 2.8 in.)*		
Weight	13,5 kg *(29.8 lb)*		

