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 – TMHP 10E

Designation	TMHP 10E
Contents	1 × arm–assembly stand 3 × arms, 110 mm *(4.3 in.)* 3 × arms, 160 mm *(6.3 in.)* 3 × arms, 200 mm *(7.9 in.)* 1 × hydraulic spindle TMHS 100 3 × extension pieces for hydraulic spindle; 50, 100, 150 mm *(2, 4, 6 in.)* 1 × nosepiece with centre point for hydraulic spindle
Maximum stroke	80 mm *(3.1 in.)*
Threading hydraulic cylinder	1 1/2-16 UN
Nominal working force	100 kN *(11.2 US ton)*
Carrying case dimensions	578 × 410 × 70 mm *(23 × 16 × 2.8 in.)*
Weight	14,5 kg *(32 lb)*

Arm set 1 (3 × TMHP10E-10)		
Effective arms length	115 mm	*(4.5 in.)*
Width of grip	75–170 mm	*(3,0–6.7 in.)*
Claw height	6 mm	*(0.2 in.)*
Arm set 2 (3 × TMHP10E-11)		
Effective arms length	160 mm	*(6.3 in.)*
Width of grip	80–250 mm	*(3.1–9.8 in.)*
Claw height	7 mm	*(0.28 in.)*
Arm set 3 (3 × TMHP10E-12)		
Effective arms length	200 mm	*(7.8 in.)*
Width of grip	110–280 mm	*(4.3–11 in.)*
Claw height	7 mm	*(0.28 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 120 mm *(4.7 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 – TMBS E series

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 *(4.7–31.1 in.)*	120–816 mm *(4.7–31.1 in.)*
Shaft diameter range	7–50 mm *(0.3–2 in.)*	20–100 mm *(0.8–4 in.)*	35–150 mm *(1.4–6 in.)*
Threading hydraulic cylinder	–	1 1/2-16 UN	1 1/2-16 UN
Carrying case dimensions	295 × 190 × 55 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 – TMHC 110E

Designation	TMHC 110E
Contents	1 × arm–assembly stand 3 × arms, 60 mm *(2.4 in.)* 3 × arms, 120 mm *(4.7 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
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)*

Arms set 1 (3 × TMHP10E-9)		
Effective arms length	65 mm	*(2.5 in.)*
Width of grip	50–110 mm	*(2–4.3 in.)*
Claw height	6 mm	*(0.2 in.)*
Arms set 2 (3 × TMHP10E-10)		
Effective arms length	115 mm	*(4.5 in.)*
Width of grip	75–170 mm	*(3.0–6.7 in.)*
Claw height	6 mm	
Strong back puller		
Maximum reach	250 mm	*(9.8 in.)*
Shaft diameter range	20–100 mm	*(0.8–4 in.)*

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