

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.)

skf.com | mapro.skf.com | skf.com/mount

© SKF is a registered trademark of the SKF Group.

© SKF Group 2016

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MP/P8 13078 EN · April 2016