

# Strong back pullers TMBS E series

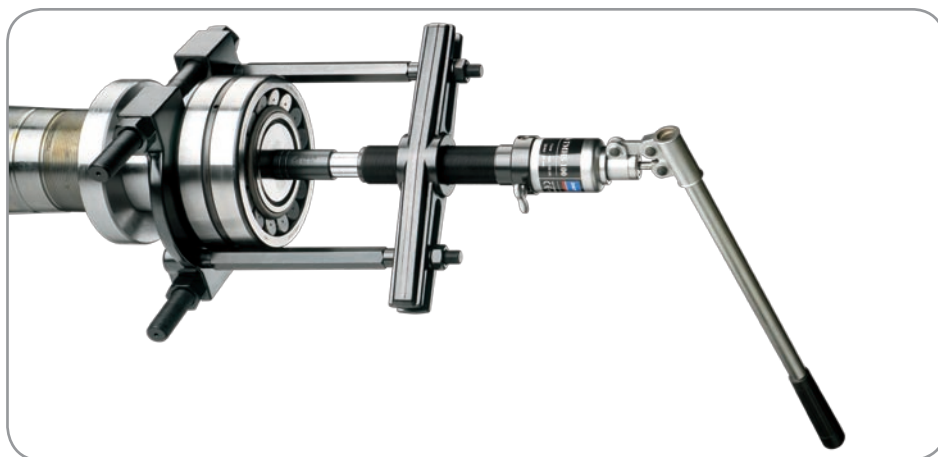
## Easy bearing dismounting even in the tightest spaces

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.

TMBS 100E and the TMBS 150E are equipped with a

hydraulic spindle, which allows for effortless application of force up to 100 kN (11.2 ton US). The TMBS 50E is equipped with a mechanical spindle for force generation.

- Special separator design allows the puller to be easily inserted between the bearing and the shoulder on the shaft, even in the tightest spaces
- The firm grip behind the bearing's inner ring reduces the force required to dismount the bearing
- High load rating of 100 kN (11.2 ton US) make the TMBS 100E and TMBS 150E suitable for use in many applications
- TMBS 100E and TMBS 150E offer complete hydraulic puller kits, allowing effortless generation of force
- The extension rods of the TMBS 100E and TMBS 150E allow easy and quick adaptation to required pulling length
- Maximum reach of 825 mm (32.5 in) and maximum shaft diameter of 150 mm (6 in) allow the TMBS E series to be used in many applications
- The hydraulic spindle is equipped with a safety valve, which limits the applied force to 100 kN (11.2 ton US), minimising the risk of puller overload
- The spring-loaded centre point of the hydraulic spindle allows easy centring of the puller on the shaft without damaging it
- Long stroke of hydraulic spindle, 80 mm (3.1 in), facilitates dismounting in one operation
- Pumping mechanism used for force generation is effortless and more efficient than turning mechanism
- Extension pieces of the hydraulic spindle allow quick adaptation to pulling length



### Technical data

Designation	TMBS 50E
<b>Description</b>	Mechanical strong back puller
<b>Contents</b>	1 x separator set 1 x mechanical spindle 1 x beam 2 x main rods
<b>Nominal working force</b>	30 kN (3.4 US ton force)
<b>Maximum reach</b>	110 mm (4.3 in)
<b>Shaft diameter range</b>	7 - 50 mm (0.3 - 2 in)
<b>Maximum torque (T)</b>	70 Nm (50 lbf ft)
<b>Spindle Hexagon head (AF)</b>	19 mm (0.8 in)
<b>Weight</b>	1,8 kg (4 lb)
<b>Carrying case dimensions</b>	295 x 190 x 55 mm (11.6 x 7.5 x 2 in)

### Part identification

Designation	Description
TMBS 50E-1	Beam
TMBS 50E-2	Spindle
TMBS 50E-1K	Main rods, washers (4 pcs), bolts and nuts (2 pcs)



Dismounting



## Technical data

<b>Designation</b>	<b>TMBS 100E</b>
<b>Description</b>	Advanced hydraulic strong back puller
<b>Contents</b>	1 x separator set 2 x main rods 2 x extension rods, 125 mm (4.9 in) 4 x extension rods, 285 mm (11.2 in) 1 x beam 1 x hydraulic spindle TMHS 100 2 x extension pieces for hydraulic spindle; 50, 100 mm (2.0, 3.9 in) 1 x nosepiece with centre point for hydraulic spindle
<b>Maximum stroke</b>	80 mm (3.1 in)
<b>Nominal working force</b>	100 kN (11.2 US ton force)
<b>Maximum reach</b>	825 mm (32.5 in)
<b>Shaft diameter range</b>	20 - 100 mm (0.8 - 4 in)
<b>Weight</b>	13,5 kg (29.8 lb)
<b>Cycle life hydraulic cylinder</b>	Minimum 5000 cycles up to 100 kN (11.2 US ton force)
<b>Threading hydraulic cylinder</b>	UN 1½" x 16 tpi
<b>Safety valve setting hydraulic cylinder</b>	105 kN (11.8 US ton force)
<b>Carrying case dimensions</b>	580 x 410 x 70 mm (23 x 16 x 2.8 in)

TMBS 50E



TMBS 100E



## Technical data

<b>Designation</b>	<b>TMBS 150E</b>
<b>Description</b>	Advanced hydraulic strong back puller
<b>Contents</b>	1 x separator set 2 x main rods 2 x extension rods, 125 mm (4.9 in) 4 x extension rods, 285 mm (11.2 in) 1 x beam 1 x hydraulic spindle TMHS 100 2 x extension pieces for hydraulic spindle; 50, 100 mm (2.0, 3.9 in) 1 x nosepiece with centre point for hydraulic spindle
<b>Maximum stroke</b>	80 mm (3.1 in)
<b>Nominal working force</b>	100 kN (11.2 US ton force)
<b>Maximum reach</b>	825 mm (32.5 in)
<b>Shaft diameter range</b>	35 - 150 mm (1.4 - 6 in)
<b>Weight</b>	17 kg (37.5 lb)
<b>Cycle life hydraulic cylinder</b>	Minimum 5000 cycles up to 100 kN (11.2 US ton force)
<b>Threading hydraulic cylinder</b>	UN 1½" x 16 tpi
<b>Safety valve setting hydraulic cylinder</b>	105 kN (11.8 US ton force)
<b>Carrying case dimensions</b>	580 x 410 x 70 mm (23 x 16 x 2.8 in)

TMBS 150E



## Part identification

Designation	Description
TMHS 100	Advanced hydraulic spindle, 100 kN
TMHS 8T	Set of extension piece for the hydraulic spindle, nose piece
TMBS 100E-1	Beam
TMBS 100E-2	Main rods, nuts, washers (set)
TMBS 100E-3	Extension rods 125 mm/4.9 in (2pcs)
TMBS 100E-4	Extension rods 285 mm/11.2 in (4pcs)
TMBS 100E-5	Separator (complete)
TMBS 150E-1	Beam
TMBS 150E-2	Main rods, nuts, washers (set)
TMBS 150E-3	Extension rods 125 mm/4.9 in (2pcs)
TMBS 150E-4	Extension rods 285 mm/11.2 in (4pcs)
TMBS 150E-5	Separator (complete)



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