

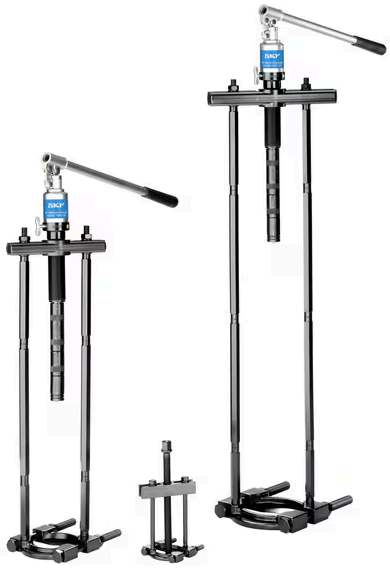



Image may differ from product. See technical specification for details.









TMBS 100E

SKF Strong Back Pullers TMBS 100E

The SKF TMBS 100E strong back puller facilitates dismounting of bearings in applications where the use of traditional jaw pullers is restricted due to lack of space or when the application requires a long reach. The puller is operated with a hydraulic spindle for effortless dismounting up to 100 kN (11.2 US ton). A special separator design is used that can be easily inserted between the bearing and the shoulder on the shaft.

- Easily separator placement between bearing and shoulder on the shaft
- Spring-loaded centre point of spindle allows easy puller centring and minimises the risk of shaft damage
- Hydraulic spindle with safety valve for safe and effortless dismounting
- Firm grip behind the bearing's inner ring reduces the force required to dismount the bearing

- Quick adaptation to required pulling length with 2x hydraulic spindle extension pieces and extension rods for pullings lengths up to 816 mm (32.1 in.)

Overview

Dimensions

Hydraulic spindle, piston stroke	80 mm
Puller adaptor thread	UN 1.5 x 16 tpi
Workpiece outer diameter range, using separator	26 to 160 mm
Shaft diameter range, using separator	20 to 100 mm
Reach, using separator (max)	816 mm (using all extension rods provided)
Total spindle length	505 mm (incl. 2 available extension pieces)

Properties

Recommended applications	For dismounting of bearings, gears, pulleys and other industrial ring shaped components from shafts in industrial, construction and agricultural applications, where there is limited space behind the component and traditional jaw pullers won't fit.
Suitable for workpiece dismounting from a Cylindrical seating (straight shaft)	Yes
Suitable for bearing dismounting from a Tapered seating (conical shaft)	Yes
Suitable for bearing dismounting from a Sleeve (adapter or withdrawal sleeve)	Yes
Suitable for workpiece dismounting from a Blind arrangement (housing with shaft)	No
Suitable for workpiece dismounting from a Housing	No
Suitable for bearing type(s)	All
Dismounting force generation	Hydraulic spindle (TMHS 100)
Special features	Provide the possibility to engage the inner ring of the bearing, thus making sure that no withdrawal force is transmitted through the rolling elements Comes with various extension rods to allow useage on longer shafts Hydraulic spindle with integrated safety valve for safer use
Pulling force (max)	100 kN
Separator height	25 mm
Spindle nose piece	yes, ⌀ 30mm
Colour	Black Silver
Material	Alloy engineering steels, hardened and tempered
Coating	Black phosphated, Hydraulic spindle with trivalent chromium parts
Recommended storage temperature	5.0 – 40.0 °C
Relative humidity	max 75%
Case dimensions (l x h x w)	580 x 410 x 70 mm
Content	1 x separator set 1 x beam 2 x main rods 4 x extension rods, 285 mm 2 x extension rods, 125 mm 1 x hydraulic spindle TMHS 100 (with handle bar) 2 x extension pieces for hydraulic spindle 50, 100 mm 1 x nosepiece with centre point for hydraulic spindle IFU QR Code card Case

Logistics

Product net weight	14.1 kg
eClass code	23-05-19-01
UNSPSC code	27111712

Compatible products

Accessory

SKF Puller protection blanket TMMX 280	TMMX 280
SKF Puller protection blanket TMMX 350	TMMX 350

Spare part

Beam for TMBS 100E and TMHC 110E	TMBS 100E-1

Main rods with washers and nuts for TMBS 100E, 150E and TMHC 110E	TMBS 100E-2
Extension rod for TMBS 100E, 150E and TMHC 110E, 125 mm long	TMBS 100E-3
Extension rod for TMBS 100E, 150E, 285 mm long	TMBS 100E-4
Separator with bolts and nuts for TMBS 100E and TMHC 110E	TMBS 100E-5
Advanced hydraulic spindle, 100 kN	TMHS 100
Advanced hydraulic spindle, 100 kN, spindle only	TMHS 100-1
Set of extension pieces and nose piece for TMHS 100 and 8E	TMHS 8T

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