

SKF TMBS 100E

Strong back puller with Hydraulic spindle

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.

Technical specifications

Dimensions	
Case dimensions (l x h x w)	580 x 410 x 70 mm
Total spindle length	505 mm (incl. 2 available extension pieces)
Properties	
Coating	Black phosphated, Hydraulic spindle with trivalent chromium parts
Colour	Black;Silver
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
Dismounting force generation	Hydraulic spindle (TMHS 100)
Hydraulic spindle, piston stroke	80 mm
Material	Alloy engineering steels, hardened and tempered
Puller adaptor thread	UN 1.5 x 16 tpi
Pulling force (max)	100 kN
Reach, using separator (max)	816 mm (using all extension rods provided)
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.
Recommended storage temperature	Array °C
Relative humidity	max 75%
Separator height	25 mm
Shaft diameter range, using separator	20 to 100 mm
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
Spindle nose piece	yes, ø 30mm
Suitable for bearing dismounting from a Sleeve (adapter or withdrawal sleeve)	Yes
Suitable for bearing dismounting from a Tapered seating (conical shaft)	Yes
Suitable for bearing type(s)	All
Suitable for workpiece dismounting from a Blind arrangement (housing with shaft)	No
Suitable for workpiece dismounting from a Cylindrical seating	Yes

(straight shaft) Suitable for Workpiece dismounting from a Housing	No
Workpiece outer diameter range, using separator	26 to 160 mm

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