

SKF TMHP 10E

Hydraulic jaw puller kit

The TMHP 10E is a complete puller kit for bearing dismounting. The kit includes three different arm sets that can be used in a 2-arm or 3-arm configuration. The puller uses a hydraulic spindle for easy dismounting with dismounting forces up to 100 kN (11.2 US ton). With a stroke of 80 mm (3.1 in.), the spindle facilitates dismounting in one operation. Safety is supported through a self-locking arms that reduce puller slippage under load, a spring-loaded centre point to enable easy spindle centring and a safety valve to prevent puller overload.

Technical specifications

Dimensions	
Workpiece outer diameter range, using arms	Set 1: 75 to 170 mm;Set 2: 80 to 250 mm;Set 3: 110 to 280 mm;
Reach, using arms (max)	Set 1: 115 mm;Set 2: 160 mm;Set 3: 200 mm
Claw height	8 mm
Claw length	15 mm
Claw width	25 mm
Hydraulic spindle, piston stroke	80 mm
Puller adaptor thread	UN 1.5 x 16 tpi
Total spindle length	655 mm (incl. 3 available extension pieces)
Properties	
Recommended applications	For dismounting of bearings, gears, pulleys and other industrial ring shaped components in industrial, construction and agricultural applications with an interference fit on the shaft. Can be used as two armed puller if space around the component is restricted.
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	Centring and self locking system for firm grip of the component ;Useable as 2 or 3 armed puller, Provided with 3 different arm sets, Provided with various spindle extension pieces to quickly adapt the reach;Hydraulic spindle with integrated safety valve for safer use
Pulling force (max)	100 kN
Total number of arms in kit	3 sets of 3
Arms	Set 1 (TMHP 10E-10) with arm length 190 mm;Set 2 (TMHP 10E-11) with arm length 240 mm;Set 3 (TMHP 10E-12) with arm length 285 mm
Spindle nose piece	yes, ø 30mm
Colour	Black;Silver
Material	Alloy engineering steels, hardened and tempered
Coating	Black phosphated, Hydraulic spindle with trivalent chromium parts
Recommended storage temperature	Array °C

Relative humidity	max 75%
Case dimensions (l x h x w)	580 x 410 x 70 mm
Content	1 x arm-assembly stand;3 x arms, set 1 (TMHP 10E-10);3 x arms, set 2 (TMHP 10E-11);3 x arms, set 3 (TMHP 10E-12);1 x hydraulic spindle TMHS 100 (with handle bar);3 x extension pieces for hydraulic spindle: 50, 100, 150 mm;1 x nosepiece with centre point for hydraulic spindle;IFU QR Code card;Case

Logistics	
Product net weight	15 kg
eClass code	23-05-19-01
UNSPSC code	27111712