



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



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.

- Versatile kit with three different arm lengths usable in 2-arm or 3-arm configuration
- Effortless dismounting with hydraulic spindle
- Self-locking arms minimise risks of slippage under load
- Spring-loaded centre point allows easy puller centring
- Supplied with three hydraulic spindle extension pieces to allow quick adaptation to required pulling length
- Hydraulic spindle is equipped with safety valve to prevent puller overload

Overview

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 dismantling 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 dismantling from a Cylindrical seating (straight shaft)	Yes
Suitable for bearing dismantling from a Tapered seating (conical shaft)	Yes
Suitable for bearing dismantling from a Sleeve (adapter or withdrawal sleeve)	Yes
Suitable for workpiece dismantling from a Blind arrangement (housing with shaft)	No
Suitable for workpiece dismantling from a Housing	No
Suitable for bearing type(s)	All
Dismantling 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	5 – 40 °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

Compatible products

Spare part

Spare arm for Hydraulic jaw puller kit and Hydraulic puller kit	3 x TMHP 10E-10
Spare arm for Hydraulic jaw puller kit	3 x TMHP 10E-11
Spare arm for Hydraulic jaw puller kit	3 x TMHP 10E-12
Spare four arm stand with bolts and nuts for Hydraulic jaw puller kit and Hydraulic puller kit	TMHP 10E-5
Advanced hydraulic spindle	TMHS 100
Spare advanced hydraulic spindle, spindle only	TMHS 100-1
Spare set of extension pieces and nose piece for Hydraulic spindles	TMHS 8T

Accessory

Spare arm for Hydraulic puller kit	3 x TMHP 10E-9
Tri-section pulling plate	TMMS 100
Puller protection blanket	TMMX 210
Puller protection blanket	TMMX 280
Puller protection blanket	TMMX 350