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TMHP 50/140X

Hydraulically-assisted heavy duty jaw puller without hydraulic pump

The SKF Hydraulically Assisted Heavy Duty Jaw Puller TMHP 50/140X is a powerful puller for dismounting large bearings and components. The self-centring puller, unique pantograph system and handling options make the puller safe and easy to use. The combination of a spindle and a hydraulic cylinder helps to mount the puller quickly. The SKF TMHP 50/140X comes without hydraulic pump and allows own equipment to be used.

- High pulling forces can be applied easily and safely with self-centring puller
- Easy adjustable worklength through combination of spindle and hydraulic cylinder
- Unique pantograph system gives eXceptional grip and helps counteract misalignment during operation
- Simple operation with lifting handle and eye bolt

Overview

Dimensions

Width of grip external	310.0 – 506.0 mm
Effective arm length	140 mm
Alternative arm lengths	With accessory alternative arms: 320 or 570 mm
Claw height	40 mm
Claw length	32 mm
Total Arm length	483 mm
Claw width	24 mm
Spindle head, hexagon size	30 mm
Total spindle length	648 mm

Properties

Recommended applications	For the dismounting of larger bearings, gears, pulleys and other industrial ring shaped components in industrial, construction and agricultural applications with an interference fit on the shaft
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	A hydraulic pump is needed to advance the piston of the hydraulic cylinder in this puller, in which a mechanical spindle is fitted. The recommended pump TMJL to connect to the hydraulic cylinder, is available as accessory.
Number of arms	3
Pulling force (max)	500 kN
Hydraulic Cylinder, piston stroke	40 mm
Hydraulic Cylinder, Maximum Operating Pressure	800 bar
Hydraulic Cylinder, Maximum Operating Pressure	80 MPa
Hydraulic Cylinder, Oil capacity	260 cm^3
Oil viscosity (maximum)	300 mm^2/s
Spindle nose piece	Yes, ⌀35 mm
Colour	Black
Material	Alloy engineering steels, hardened and tempered
Coating	Chemical blackened
Content	1x Puller TMHP 50/140X 1x Printed instructions for use 1x Piston hold tool 1x Wooden storage crate

Logistics

Product net weight	59.5 kg
eClass code	23-05-19-01
UNSPSC code	27111712

Compatible products

Spare part

Spare arm, 140 mm (5.5 in) long for Hydraulically-assisted heavy duty jaw puller	3 x TMHP 50-1
Spare spindle for Hydraulically-assisted heavy duty jaw puller	TMHP 50-5

Accessory

Spare arm, 320 mm (12.6 in) long for Hydraulically-assisted heavy duty jaw puller	3 x TMHP 50-2
Spare arm, 570 mm (22.4 in) long for Hydraulically-assisted heavy duty jaw puller	3 x TMHP 50-3
Extremely high viscosity bearing grease with solid lubricants	LGEV 2/0.035
Tri-section pulling plate	TMMS 260
Tri-section pulling plate	TMMS 380

Recommended product

Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 50/140
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 50/320X
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 50/570X
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 30/170X
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 30/350X
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 30/600X
Hydraulically-assisted heavy duty jaw puller without hydraulic pump	TMHP 15/260X
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 50/320
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 50/570
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 30/170
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 30/350
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 30/600
Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container	TMHP 15/260

Recommended tool

Hydraulic pump 1000 bar (100 MPa) with large oil container	TMJL 100

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