



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



## TMHP 50/320X

Hydraulically-assisted heavy duty jaw puller without hydraulic pump

The SKF Hydraulically Assisted Heavy Duty Jaw Puller TMHP 50/320X is a powerful puller for dismantling 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 50/320X 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       | 320 mm                                         |
| Alternative arm lengths    | With accessory alternative arms: 140 or 570 mm |
| Claw height                | 40 mm                                          |
| Claw length                | 32 mm                                          |
| Total Arm length           | 663 mm                                         |
| Claw width                 | 24 mm                                          |
| Spindle head, hexagon size | 30 mm                                          |
| Total spindle length       | 648 mm                                         |

Properties

|                                                                                  |                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended applications                                                         | For the dismantling 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 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                                                     | 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 <sup>3</sup>                                                                                                                                                                                                            |
| Oil viscosity (maximum)                                                          | 300 mm <sup>2</sup> /s                                                                                                                                                                                                         |
| Spindle nose piece                                                               | Yes, ø35 mm                                                                                                                                                                                                                    |
| Colour                                                                           | Black                                                                                                                                                                                                                          |
| Material                                                                         | Alloy engineering steels, hardened and tempered                                                                                                                                                                                |
| Coating                                                                          | Chemical blackened                                                                                                                                                                                                             |
| Content                                                                          | 1x Puller TMHP 50/320X<br>1x Printed instructions for use<br>1x Piston hold tool<br>1x Wooden storage crate                                                                                                                    |

Logistics

|                    |             |
|--------------------|-------------|
| Product net weight | 65 kg       |
| eClass code        | 23-05-19-01 |
| UNSPSC code        | 27111712    |

Compatible products

Spare part

|                                                                                   |                               |
|-----------------------------------------------------------------------------------|-------------------------------|
| Spare arm, 320 mm (12.6 in) long for Hydraulically-assisted heavy duty jaw puller | <a href="#">3 x TMHP 50-2</a> |
| Spare spindle for Hydraulically-assisted heavy duty jaw puller                    | <a href="#">TMHP 50-5</a>     |

Accessory

|                                                                                   |                               |
|-----------------------------------------------------------------------------------|-------------------------------|
| Spare arm, 140 mm (5.5 in) long for Hydraulically-assisted heavy duty jaw puller  | <a href="#">3 x TMHP 50-1</a> |
| Spare arm, 570 mm (22.4 in) long for Hydraulically-assisted heavy duty jaw puller | <a href="#">3 x TMHP 50-3</a> |
| Extremely high viscosity bearing grease with solid lubricants                     | <a href="#">LGEV 2/0.035</a>  |
| Tri-section pulling plate                                                         | <a href="#">TMMS 260</a>      |
| Tri-section pulling plate                                                         | <a href="#">TMMS 380</a>      |

Recommended product

|                                                                                           |                              |
|-------------------------------------------------------------------------------------------|------------------------------|
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 50/320</a>  |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 50/140X</a> |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 50/570X</a> |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 30/170X</a> |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 30/350X</a> |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 30/600X</a> |
| Hydraulically-assisted heavy duty jaw puller without hydraulic pump                       | <a href="#">TMHP 15/260X</a> |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 50/140</a>  |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 50/570</a>  |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 30/170</a>  |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 30/350</a>  |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 30/600</a>  |
| Hydraulically-assisted heavy duty jaw puller with Hydraulic pump with large oil container | <a href="#">TMHP 15/260</a>  |

Recommended tool

|                                                            |                          |
|------------------------------------------------------------|--------------------------|
| Hydraulic pump 1000 bar (100 MPa) with large oil container | <a href="#">TMJL 100</a> |
|------------------------------------------------------------|--------------------------|



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