

Application

To dismount bearings and other machinery use components with an outside diameter less than 280 mm (11 in). Maximum withdrawal force 100kN (11.2 US ton force).

Description

This puller kit consists of an advanced hydraulic spindle with an arm stand and three sets of arms. It has a self-locking arm system, which centres the arms and makes sure that the harder you pull, the harder the arm grips around the bearing.

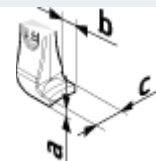
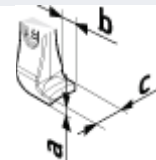
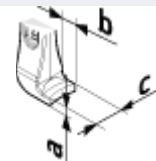
The arm-assembly stand has 4 arm-attachment points, which allows the puller to be assembled as a three-armed puller or two-armed one.

The hydraulic spindle TMHS 100 generates maximum force of 100 kN (11.2 US ton force) and has a maximum stroke of 80 mm (3.1 in). It effortlessly generates the required forces using a built-in hydraulic pump. Two extension pieces and a nosepiece allow easy and quick adaptation to the shaft's length. The spindle is equipped with a safety valve, which prevents puller overload by limiting the applied force to 100 kN.



Technical details

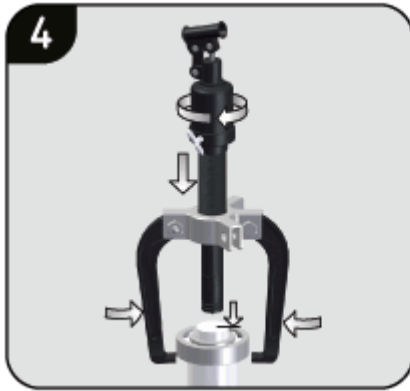
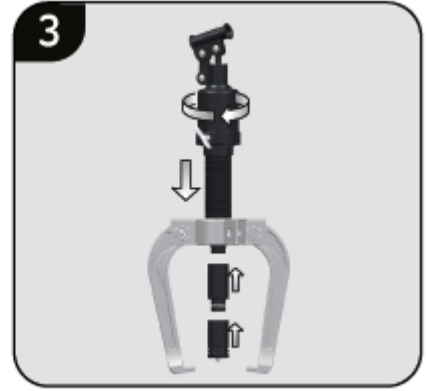
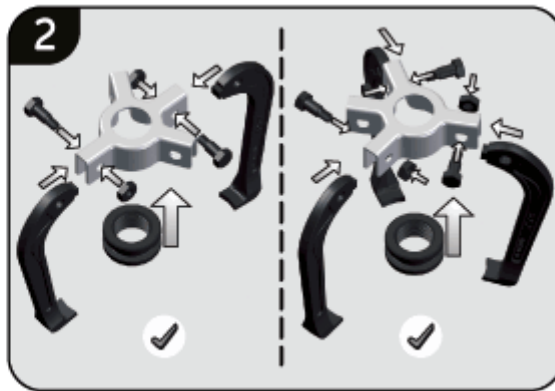
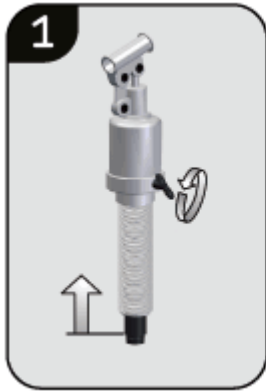
Designation	TMHP 10E	
Description	Advanced hydraulic jaw puller kit	
Contents	1 x arm-assembly stand 3 x arms, 120 mm (4.7 in) 3 x arms, 170 mm (6.7 in) 3 x arms, 200 mm (7.8 in) 1 x hydraulic spindle TMHS 100 3 x extension pieces for hydraulic spindle; 50, 100, 150 mm (2, 4, 6 in) 1 x nosepiece with centre point for hydraulic spindle	
Maximum stroke	80 mm (3.1 in)	
Weight complete kit	14,5 kg (32 lb)	
Cycle life hydraulic cylinder	Minimum 5000 cycles up to 100 kN (11.2 US ton force)	
Threading hydraulic cylinder	UN 1½" x 16 tpi	
Safety valve setting hydraulic cylinder	105 kN (11.8 US ton force)	
Carrying case dimensions	578 x 410 x 70 mm (23 x 16 x 2.8 in)	
Nominal working force	100 kN (11.2 US ton force)	
Arm set 1 (3 x TMHP 10E-10)		
Effective arms length	120 mm (4.7 in)	
Width of grip	75-170 mm (3.0-6.7 in)	
Claw dimensions	a = 6 mm (0.2 in) b = 15 mm (0.6 in) c = 25 mm (1 in)	
Arm set 2 (3 x TMHP 10E-11)		
Effective arms length	170 mm (6.7 in)	
Width of grip	80-250 mm (3.1-9.8 in)	
Claw dimensions	a = 6 mm (0.2 in) b = 12 mm (0.5 in) c = 25 mm (1 in)	
Arm set 3 (3 x TMHP 10E-12)		
Effective arms length	200 mm (7.8 in)	
Width of grip	110-280 mm (4.3-11 in)	
Claw dimensions	a = 6 mm (0.2 in) b = 12 mm (0.5 in) c = 25 mm (1 in)	



Operating instructions

1. Retract the piston of the TMHS 100 spindle by releasing the valve.
2. Select the appropriate arms for your application. Connect them to the stand, using bolts and nuts provided
3. Select the most proper extension pieces, assemble the nose piece
4. Screw in the complete hydraulic spindle until you reach the end of the shaft.

5. Close the safety valve and insert the handle bar with handle grip.
6. Start pumping in order to generate dismantling force. In case the stroke is not sufficient repeat steps 1, 3, 4, 5 and 6 until the part is fully disassembled.

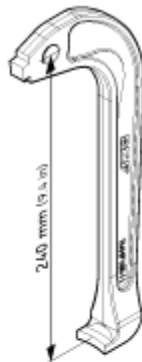


Part identification

Designation	Description
TMHS 100	Advanced hydraulic spindle, 100 kN
TMHS 8T	Set of extension pieces for the hydraulic spindle, nose piece
TMHP 10E-5	Arm-assembly stand, centre, bolts and nuts
TMHP 10E-10	120 mm arm (4.7 in)
TMHP 10E-11	170 mm arm (6.7 in)
TMHP 10E-12	200 mm arm (7.8 in)



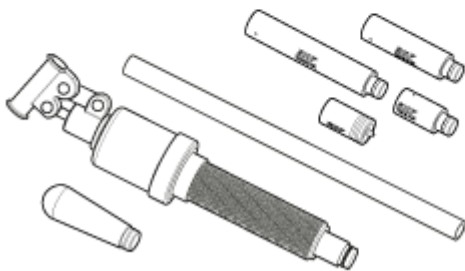
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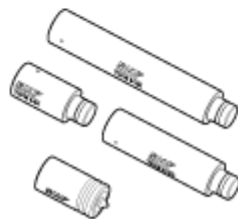
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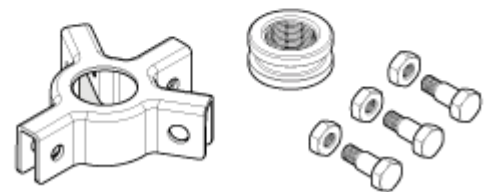
TMHP 10E-12



TMHS 100



TMHS 8T



TMHP 10E-5

