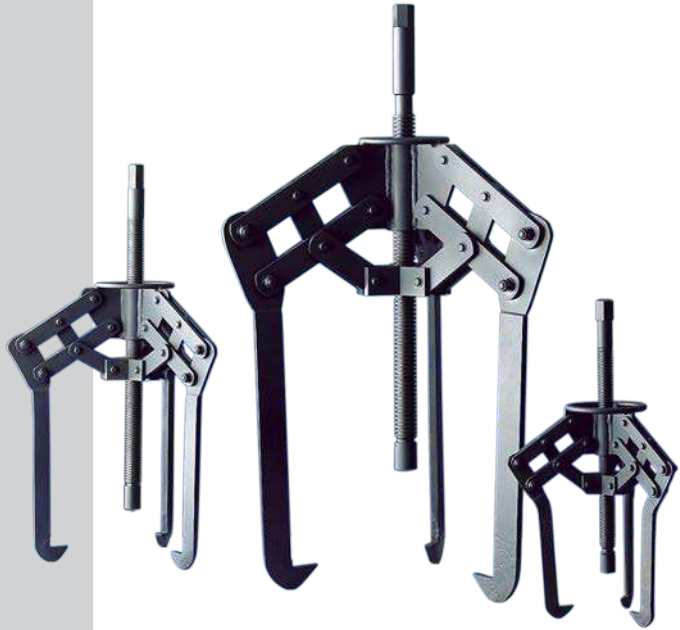


SKF



SKF TMMMP 6/10/15

Instructions for use

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Original instructions



Safety recommendations

- The equipment should only be operated by trained personnel.
- Always follow the operating instructions.
- Check the puller and all accessories carefully before use. Never use even slightly damaged components.
- Make sure the force rating of the puller (F) exceeds calculated maximum withdrawal force.
- Do not exceed the maximum torque (T) when applying force on a mechanical spindle.
- Always prevent the workpiece/tool from being projected upon sudden release of pressure (e.g. by use of retaining nut).
- Ensure that the puller legs are properly secured around the workpiece. Each claw must be fully engaged.
- Ensure that the separators are properly secured behind the workpiece.
- Make sure the force is equally distributed in all arms.
- Never use the equipment above the stated maximum force.
- Use protective goggles.
- Cover the work with a protective blanket or shield while force is being applied.
- Never modify the unit.
- Use original parts only.
- In case of any uncertainties in regard to the use of the puller, contact SKF.



1. Application

The TMMP 6, TMMP 10 and TMMP 15 are suitable for dismantling medium to large size bearings and other machinery components.

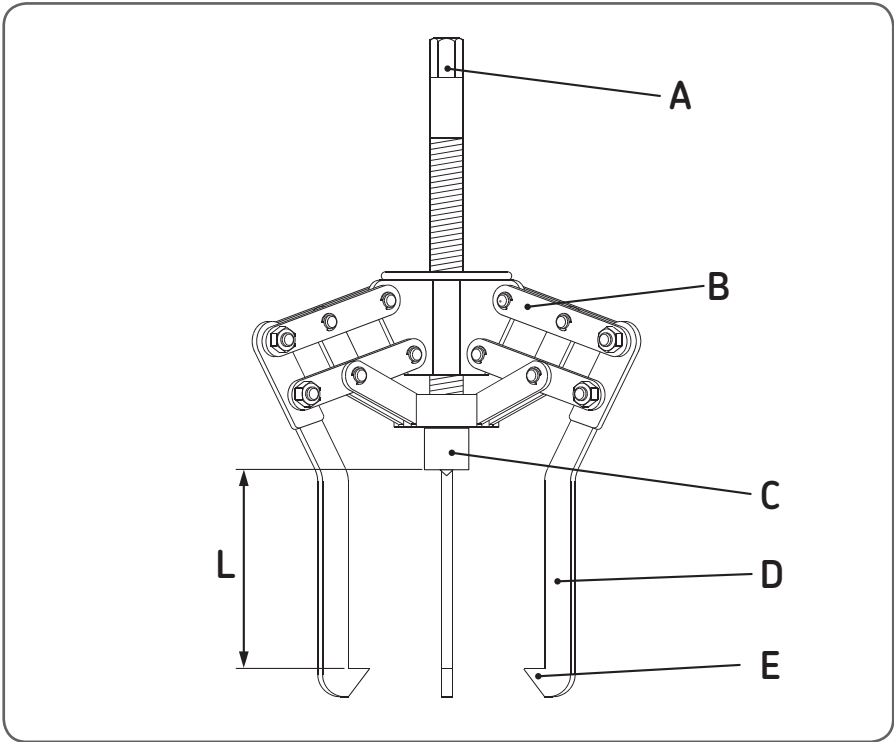
A unique pantograph system for adjustment of the width of the grip prevents misalignment during operation, thereby reducing the risk of damage to the shaft or the bearings.

The maximum withdrawal force ranges from 6 metric tonnes (13,500 lbf) for the TMMP 6 to 15 metric tonnes (33,700 lbf) for the TMMP 15.

2. Description

The pullers are all made of blackened, high-quality steel and are equipped with three arms. No pre-setting of the width of grip is required. The puller will open fully when the boss holding the arms is pushed forward, and close to grip the bearing when the boss is pulled backward. This feature makes the TMMP 6, TMMP 10 and TMMP 15 fast and practical tools to work with.

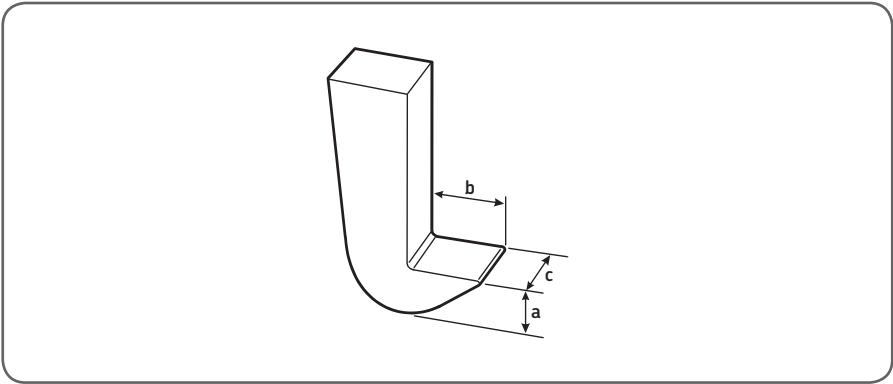
3. Definition of parts and dimensions



A	Spindle hexagon head
B	Boss
C	Spindle
D	Arm
E	Claw
L	Effective arm length

4. Technical data

Designation	TMMP 6	TMMP 10	TMMP 15
No. of arms	3	3	3
Width of grip	50-127 mm (2.0-5.0 in.)	100-223 mm (3.9-8.7 in.)	140-326 mm (5.5-12.8 in.)
Effective arm length (L)	120 mm (4.7 in.)	207 mm (8.2 in.)	340 mm (13.4 in.)
Maximum withdrawal force (F)	60 kN (6.7 US ton)	100 kN (11,2 US ton)	150 kN (17 US ton)
Maximum torque (T)	175 Nm (130 lbf ft)	340 Nm (250 lbf ft)	700 Nm (515 lbf ft)
Weight	4.0 kg (8.8 lb)	8.5 kg (19.0 lb)	21.5 kg (47.4 lb)

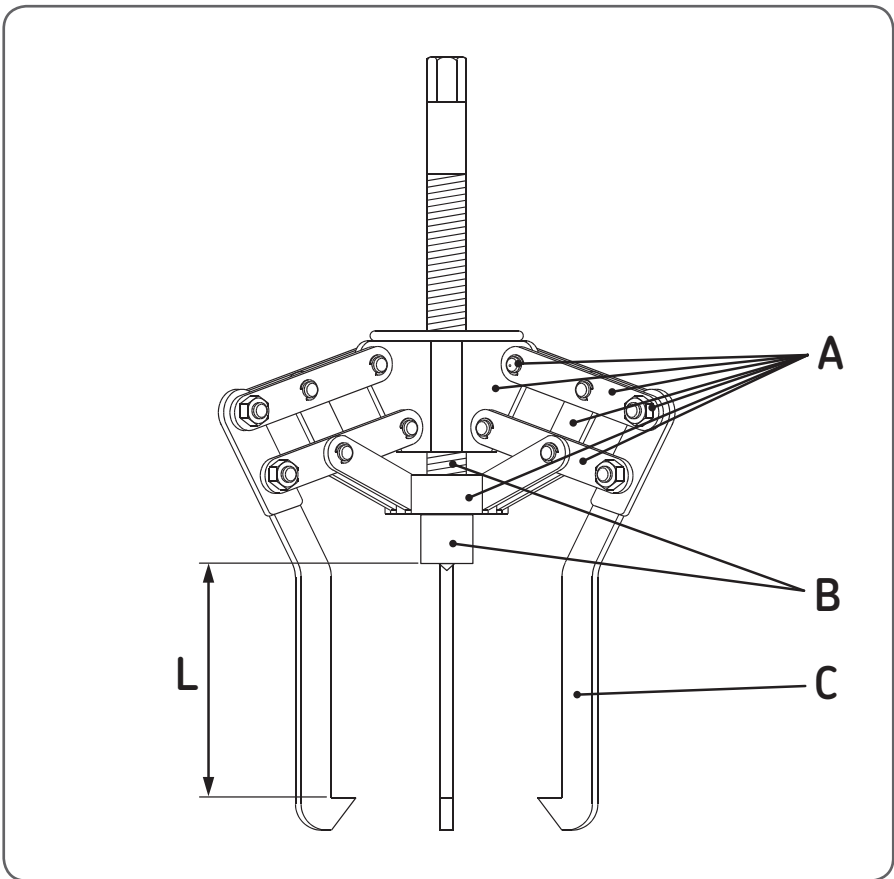


Designation	TMMP 6	TMMP 10	TMMP 15
Claw height (a)	15 mm (0.59 in.)	20 mm (0.78 in.)	30 mm (1.18 in.)
Claw length (b)	19mm (0.75 in.)	26 mm (1.02 in.)	37 mm (1.46 in.)
Claw width (c)	8 mm (0.31 in.)	10 mm (0.39 in.)	12 mm (0.47 in.)
Spindle hexagonal head (AF)	22 mm	21 mm	28 mm

5. Replacement parts

Ref.	Designation	Description	TMMP 6	TMMP 10	TMMP 15
A	TMMP ...-1K	Stand, boss and complete set of pins, bolts and arm links (per arm)			
B	TMMP ...-5	Spindle with centre nib			
C	TMMP ...-1	Arm length (L)	120 mm*	207 mm*	260 mm
C	TMMP ...-2	Arm length (L)	220 mm	350 mm	340 mm*
C	TMMP ...-3	Arm length (L)	370 mm	460 mm	435 mm
C	TMMP ...-4	Arm length (L)	470 mm	710 mm	685 mm

* Standard arm. Other arms available as optional equipment.



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