

Application

The SKF Hydraulic EasyPull set, TMMA 8E/SET is designed to facilitate safe and effortless dismounting of bearings, such as SRB and CARB®, or other components, such as pulleys.

The puller included in the set, TMMA 8E, provides a withdrawal force of 80 kN (8 tons imperial). It is designed to extract mechanical components by gripping onto the circumference, a so-called external pull. The puller's maximum width of grip is 250 mm (9.8 inch).

Description

The TMMA 8E/SET is developed and produced exclusively for SKF. The set consists of a hydraulic EasyPull, TMMA 8E, a strong tri-section pulling plate, TMMS 160 and a protective blanket, TMMX 350 packed in a heavy duty metal case.

The puller has three arms with replaceable claws, which are made of high quality steel with a blackened finish. The arms are opened by simply squeezing the two ergonomically designed spring-loaded red rings together. The puller arms are then placed on the component to be dismantled and when the pressure on the springs is released, the arms self lock onto the component.

The TMMA 8E is standard fitted with an advanced hydraulic spindle, TMHS 8E. This hydraulic spindle has an integrated hydraulic pump for effortless force generation. The puller is supplied with 3 extension pieces and a nosepiece for the spindle, allowing easy adaptation to the shaft's length.

The puller is protected from overload by a safety valve, which is built in the hydraulic spindle. This safety valve replaces the safety pin, which is used in the mechanical TMMA 8.

The tri-section pulling plate, TMMS 160, is especially designed for use in combination with three-armed pullers. The TMMS 160 grips behind the inner ring of the bearing. This prevents the pulling forces from being transmitted through the outer ring and the rolling elements, minimising the risk of bearing damage.

The TMMS 160 is designed with a special protruding profile on the flat side, which tightly fits behind the inner ring, reducing the force required for dismounting. Additionally, it prevents bearing damage during dismounting, making it possible to re-use the bearing. The three sections of the TMMS 160 evenly distribute the pulling forces, reducing the risk of bearing tilting, especially SRB and CARB®, during dismounting.

The protective blanket, TMMX 350, is made of tough transparent plastic, allowing the user to see what is happening during dismounting and increasing the level of protection to the user. The TMMX 350 is wrapped around the puller and bearing during dismounting, reducing the risk of potential personal injury in the event of component failure.

The set TMMA 8E/SET is supplied in a durable metal case with special storage facilities for all parts.



Safety

- The mechanical spindle of the TMMA 8 has been replaced by the hydraulic one and is thereby not included with the puller.
- The safety pin, which is used in the mechanical version of the EasyPull, TMMA 8, has been removed from the hydraulic EasyPull, TMMA 8E. This safety pin has become redundant due to the presence of the safety valve incorporated in the hydraulic spindle. Therefore, if using the manual spindle instead of the hydraulic one, the safety pin has to be re-installed in the arm of the TMMA 8 puller !
- It is not recommended to use a mechanical spindle instead of the hydraulic spindle (TMHS 8E) delivered with the product.

Technical data

Designation	TMMA 8E/SET
Description	Hydraulic EasyPull Set
Contents	1 x Hydraulic EasyPull, TMMA 8E 1 x Tri-section pulling plate, TMMS 160 1 x Puller protection blanket, TMMX 350 1 x Heavy duty metal case 1 x Language free instructions for use manual
Length of metal case	680 mm (27 in)
Width of metal case	320 mm (13 in)
Height of metal case	270 mm (11 in)
Weight of metal case, including all components	30,5 kg (72 lb)

Set contents technical details

Designation	TMMA 8E
Description	Hydraulic puller, EasyPull
Maximum withdrawal force	80 kN (8 tons imp.)
Minimum width of grip	75 mm (3.0 in)
Maximum width of grip	250 mm (9.8 in)
Effective arm length	250 mm (9.8 in)
Weight	12,1 kg (26.7 lb)
Designation	TMMS 160
Description	Tri-section pulling plate
Minimum bore	50 mm (2 in)
Maximum bore	160 mm (6.3 in)

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Weight	5,9 kg (13 lb)
Designation	TMMX 350
Description	Puller protection blanket
Length	1200 mm (47 in)
Width	480 mm (19 in)
Maximum diameter	350 mm (14 in)
Weight	0,6 kg (1.3 lb)

Replacement parts

TMMA 8E	Hydraulic EasyPull puller
TMMA 8-2K	Opening mechanism and turret
TMMA 8E-2	Arm assembly
TMMA 8-3	Set of 3 claws
TMHS 8E	Advanced hydraulic spindle
TMHS 8-50	Extension piece 50 mm (2.0 in)
TMHS 8-100	Extension piece 100 mm (3.9 in)
TMHS 8-150	Extension piece 150 mm (5.9 in)
TMMS 160	Tri-section pulling plate
TMMX 350	Puller protection blanket

