# TMMA pullers series EasyPull

### Mechanical EasyPull

Safe and simple bearing dismounting

Equipped with spring-operated arms and a solid design, SKF's patented EasyPull is one of the most user-friendly and safe tools on the market. Ergonomically designed, the spring-operated arms enable the user to position the puller behind the component with just one movement. The mechanical TMMA series consists of 3 (TMMA 60, TMMA 80 and TMMA 120) pullers differing in size and withdrawal force.



- Sturdy design allows dismounting of components even in the tightest application in a safe manner
- The unique red rings spring-operated opening mechanism allows the EasyPull to be placed behind the component with one movement of the hands
- Self-locking arms help prevent the risk of puller slipping under load
- Double hexagonal heads allow easier application of withdrawal force
- Self-centring capability and nosepiece help to avoid damage to shaft
- Efficient use of time due to quick dismounting
- Available in three sizes with a withdrawal force of 60, 80 or 120 kN (6.7, 9.0 or 13.5 ton US), enabling easy selection
- Hydraulic force generators available as an accessory for the 80 and 120 kN versions







### Hydraulic EasyPull

#### Quick and effortless bearing dismounting

The hydraulic versions of the EasyPull, TMMA 75H and TMMA 100H, combine the user friendliness of the mechanical EasyPull with the effortless force generation provided by integrated hydraulic spindles. The pullers are protected from overload by safety valves built in their hydraulic spindles.

- Ready-to-use, integrated hydraulic cylinder, pump and puller - thus it is assembly-free and it is not necessary to purchase separate parts
- Safety valve prevents spindles and pullers from being overloaded if excessive force is applied
- The spring-loaded centre point on the hydraulic spindle allows easy centring of the puller on the shaft without damaging the shaft
- The TMMA 100H has a maximum withdrawal force of 100 kN (11.2 ton US) and a long stroke of 80 mm (3.1 in), which facilitates most dismounting jobs in just one operation
- For dismounting jobs requiring less force, SKF offers a 75 kN (8.4 ton US) version, the Hydraulic EasyPull TMMA 75H with a maximum stroke of 75 mm (3 in)
- Supplied with extension pieces and one nosepiece



## Hydraulic EasyPull sets

#### A complete bearing dismounting solution

The SKF Hydraulic EasyPull Sets, TMMA 75H/SET and 100H/SET, are the most complete dismounting kits available on the market. The sets offer the unique combination of the hydraulic EasyPull, a tri-section pulling plate and a puller protection blanket. Combined together, the components of the set facilitate safe and easy dismounting of bearings, such as spherical roller and CARB bearings, or other components, such as pulleys and flywheels.

In addition to the benefits of the hydraulic EasyPulls, which are the essential part of the set, the sets include:

- A tri-section pulling plate, TMMS series, that facilitates easy and virtually damagefree dismounting, especially of spherical roller and CARB bearings
- A puller protection blanket, TMMX series, which is made of transparent material allowing the user to visually follow the dismounting procedure. It also increases the user's safety, while dismounting, as it helps to protect from flying fragments of bearings or other components
- A durable storage case filled with custom made storage facilities for all parts minimizing the risk of loosing or damaging any of the components
- A complete solution for effortless and safe dismounting for many bearing types, especially spherical roller and CARB bearings, as well other components such as pulleys and flywheels

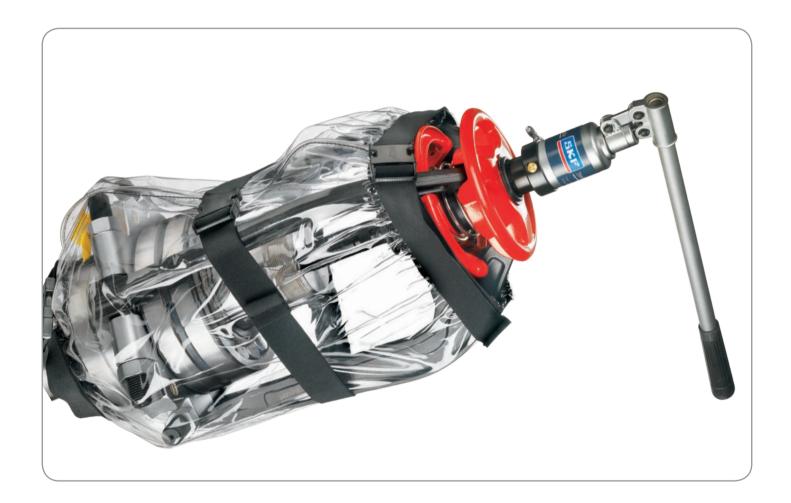


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Designation	TMMA 60	TMMA 80	TMMA 120
General Width of grip external, minimum Width of grip external, maximum Effective arm length Maximum withdrawal force Total weight	36 mm (1.4 in) 150 mm (5.9 in) 150 mm (5.9 in) 60 kN (6.7 ton US) 4,0 kg (8.8 lb)	52 mm (2.0 in) 200 mm (7.8 in) 200 mm (7.8 in) 80 kN (9.0 ton US) 5,7 kg (12.6 lb)	75 mm (3.0 in) 250 mm (9.8 in) 250 mm (9.8 in) 120 kN (13.5 ton US) 10,6 kg (23.4 lb)
Claw dimensions Claw height Claw length Claw width	7,5 mm (0.30 in) 15 mm (0.6 in) 20 mm (0.8 in)	9,8 mm (0.39 in) 18 mm (0.7 in) 28 mm (1.1 in)	13,8 mm (0.54 in) 24 mm (0.9 in) 40 mm (1.6 in)
Force generators Hexagon on puller or adapter Hexagon on mechanical spindle Max torque Diameter nose piece Adapter: possible to upgrade to hydraulic vers	27 mm 17 mm 105 Nm (75 lbf ft) 24 mm (0.9 in)	30 mm 22 mm 175 Nm (125 lbf ft) 26 mm (1.0 in) yes	32 mm 24 mm 265 Nm (195 lbf ft) 28 mm (1.1 in) yes
Spare parts Arm Spindle with nose piece (and adapter) Opening mechanism	TMMA 60-1 TMMA 60-2 TMMA 60-3	TMMA 80-1 TMMA 80-2 TMMA 75H/80-3	TMMA 120-1 TMMA 120-2 TMMA 100H/12-3
Accessories Puller protection blanket Gloves Hydraulic spindle Spindle grease Tri-section pulling plates	TMMX 210 TMBA G11W - LGEV 2/0.035 TMMS 50	TMMX 280 TMBA G11W TMHS 75 LGEV 2/0.035 TMMS 50 TMMS 100	TMMX 350 TMBA G11W TMHS 100 LGEV 2/0.035 TMMS 50 TMMS 100 TMMS 160

Designation	TMMA 75H	TMMA 100H
General Width of grip external, minimum Width of grip external, maximum Effective arm length Maximum withdrawal force Total weight	52 mm (2 in) 200 (7.8 in) 200 mm (7.8 in) 75 kN (8.4 ton US) 7.2 kg (15.9 lb)	75 mm (3 in) 250 (9.8 in) 250 mm (9.8 in) 100 kN (11.2 ton US) 13.2 kg (29 lb)
Claw dimensions Claw height Claw length Claw width	9.8 mm (0.39 in) 18 mm (0.7 in) 28 mm (1.1 in)	13.8 mm (0.54 in) 24 mm (0.9 in) 40 mm (1.6 in)
Force generator Hydraulic spindle Piston stroke Body thread Diameter nose piece	TMHS 75 75 mm (3.0 in) UN 1,25"x12 35 mm (1.4 in)	TMHS 100 80 mm (3.1 in) UN 1,5"x16 30 mm (1.2 in)
Spare parts Arm Opening mechanism Hydraulics extension piece set	TMMA 75H-1 TMMA 75H/80-3 TMHS 5T	TMMA 100H-1 TMMA 100H/12-3 TMHS 8T
Accessories Hydraulic spindle Puller protection blanket Gloves Tri section pulling plates	TMHS 75 (included) TMMX 280 TMBA G11W TMMS 50 TMMS 100	TMHS 100 (included) TMMX 350 TMBA G11W TMMS 50 TMMS 100 TMMS 160

Technical data hydraulic EasyPull sets				
Designation	TMMA 75H/SET	TMMA 100H/SET		
Puller	TMMA 75H	TMMA 100H		
Tri-section pulling plate Width of grip shaft, min Width of grip shaft, max Weight	TMMS 100 26 mm (1.0 in) 100 mm (3.9 in) 2,6 kg (5.7 lb)	TMMS 160 50 mm (2.0 in) 160 mm (6.3 in) 5,9 kg (13.0 lb)		
Puller protection blanket Max diameter Length Width Weight	TMMX 280 280 mm (11 in) 970 mm (38 in) 480 mm (19 in) 0,5 kg (1.2 lb)	TMMX 350 350 mm (14 in) 1200 mm (47 in) 580 mm (23 in) 0,6 kg (1.4 lb)		
Case Length Width Height Weight Total weight (packed)	610 mm (24 in) 260 mm (10 in) 260 mm (10 in) 5,0 kg (11.0 lb) 15,3 kg (33.7 lb)	680 mm (27 in) 320 mm (13 in) 270 mm (11 in) 12,0 kg (26.5 lb) 31,6 kg (70 lb)		



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