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 set

A complete bearing dismounting solution

The SKF Hydraulic EasyPull Set, TMMA 100H/SET, is the most complete dismounting kit available on the market. The set offers 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 TMMA 100H, which is the essential part of the set, the TMMA 100H/SET also includes:

- A tri-section pulling plate, TMMS 160, that facilitates easy and virtually damage-free dismounting, especially of spherical roller and CARB® bearings
- A puller protection blanket, TMMX 350, which is made of transparent material so the user can 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 metal 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

Technical data mechanical EasyPull

Designation	TMMA 60	TMMA 80	TMMA 120
General			
Width of grip external, minimum	36 mm (1.4 in)	52 mm (2.0 in)	75 mm (3.0 in)
Width of grip external, maximum	150 mm (5.9 in)	200 mm (7.8 in)	250 mm (9.8 in)
Effective arm length	150 mm (5.9 in)	200 mm (7.8 in)	250 mm (9.8 in)
Maximum withdrawal force	60 kN (6.7 ton US)	80 kN (9.0 ton US)	120 kN (13.5 ton US)
Total weight	4,0 kg (8.8 lb)	5,7 kg (12.6 lb)	10,6 kg (23.4 lb)
Claw dimensions			
Claw height	7,5 mm (0.30 in)	9,8 mm (0.39 in)	13,8 mm (0.54 in)
Claw length	15 mm (0.6 in)	18 mm (0.7 in)	24 mm (0.9 in)
Claw width	20 mm (0.8 in)	28 mm (1.1 in)	40 mm (1.6 in)
Force generators			
Hexagon on puller or adapter	27 mm	30 mm	32 mm
Hexagon on mechanical spindle	17 mm	22 mm	24 mm
Max torque	105 Nm (75 lbf ft)	175 Nm (125 lbf ft)	265 Nm (195 lbf ft)
Diameter nose piece	24 mm (0.9 in)	26 mm (1.0 in)	28 mm (1.1 in)
Adapter: possible to upgrade to hydraulic version	no	yes	yes
Spare parts			
Arm	TMMA 60-1	TMMA 80-1	TMMA 120-1
Spindle with nose piece (and adapter)	TMMA 60-2	TMMA 80-2	TMMA 120-2
Opening mechanism	TMMA 60-3	TMMA 75H/80-3	TMMA 100H/12-3
Accessories			
Puller protection blanket	TMMX 210	TMMX 280	TMMX 350
Gloves	TMBA G11W	TMBA G11W	TMBA G11W
Hydraulic spindle	-	TMHS 75	TMHS 100
Spindle grease	LGEV 2/0.035	LGEV 2/0.035	LGEV 2/0.035
Tri-section pulling plates	TMMS 50	TMMS 50 TMMS 100	TMMS 50 TMMS 100 TMMS 160

Technical data hydraulic EasyPull

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

Technical data hydraulic EasyPull set

Designation	TMMA 100H/SET
General	
Width of grip external, minimum	75 mm (3 in)
Width of grip external, maximum	250 mm (9.8 in)
Effective arm length	250 mm (9,8 in)
Maximum withdrawal force	100 kN (11.2 ton US)
Total weight	31,6 kg (70 lb)
Claw dimensions	
Claw height	13,8 mm (0.54 in)
Claw length	24 mm (0.9 in)
Claw width	40 mm (1.6 in)
Force generator	
Hydraulic spindle	TMHS 100
Piston stroke	80 mm (3.1 in)
Body thread	UN 1,5"x16
Diameter nose piece	30 mm (1.2 in)
Tri-section pulling plate	TMMS 160
Width of grip shaft, minimum	50 mm (2.0 in)
Width of grip shaft, maximum	160 mm (6.3 in)
Weight	5,9 kg (13.0 lb)
Puller protection blanket	TMMX 350
Max diameter	350 mm (13.8 in)
Length	1200 mm (47 in)
Width	580 mm (19 in)
Weight	0,6 kg (1.4 lb)
Case	
Height	270 mm (11 in)
Length	680 mm (27 in)
Width	320 mm (13 in)
Weight	12,0 kg (26.5 lb)
Spare parts	
Arm	TMMA 100H-1
Opening mechanism	TMMA 100H/12-3
Hydraulic extension piece set	TMHS 8T
Accessories	
Puller protection blanket	TMMX 350 (included)
Hydraulic spindle	TMHS 100 (included)
Tri section pulling plates	TMMS 160 (included)
Gloves	TMBA G11W

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