# 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 damage-free 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

## Technical data mechanical EasyPull

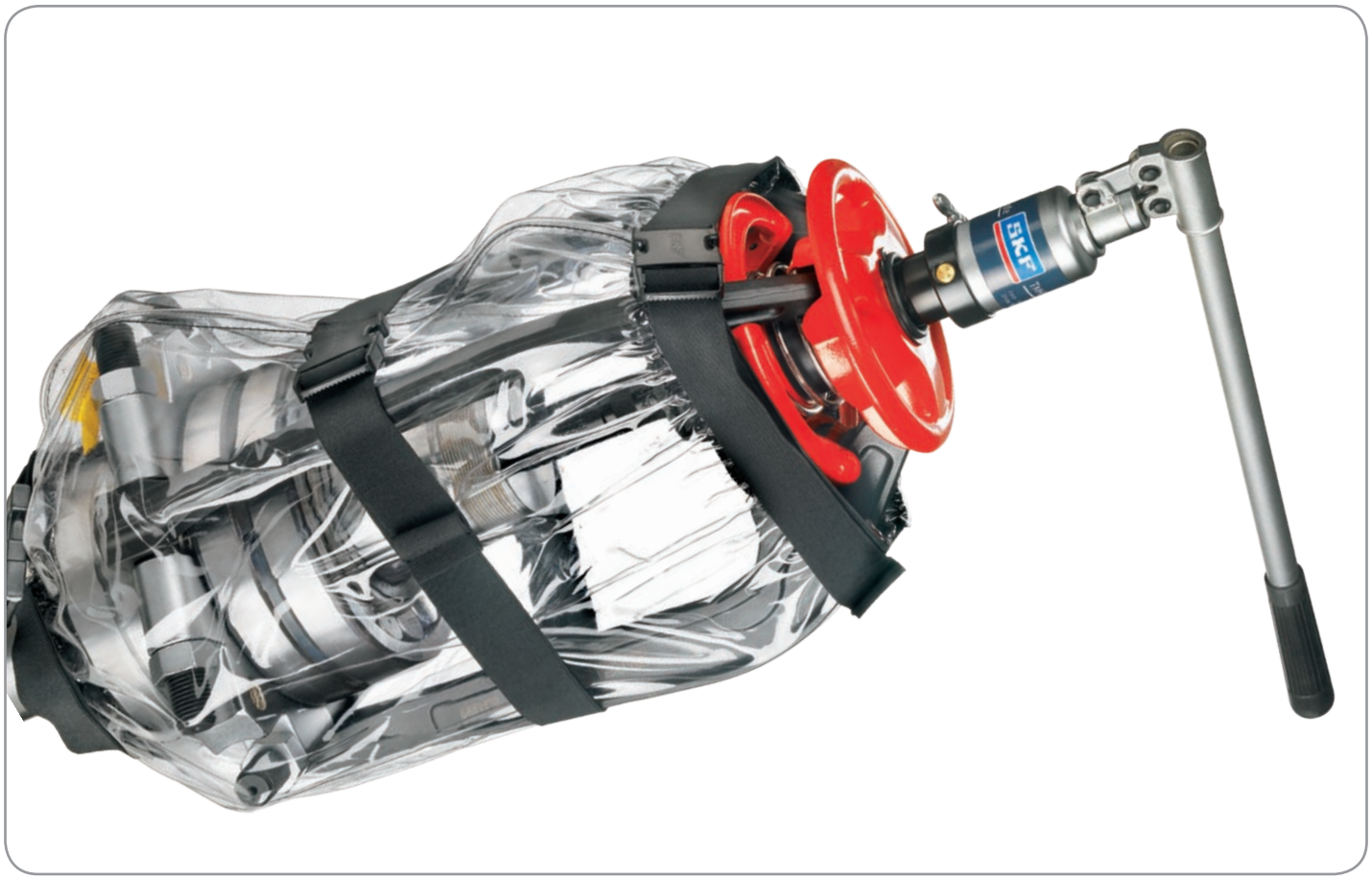
| Designation | TMMA 60 | TMMA 80 | TMMA 120 |
|---|---|---|---|
| **General** | | | |
| **Width of grip external, minimum** | 36 mm (1.4 in) | 52 mm (2.0 in) | 75 mm (3.0 in) |
| **Width of grip external, maximum** | 150 mm (5.9 in) | 200 mm (7.8 in) | 250 mm (9.8 in) |
| **Effective arm length** | 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<br>TMMS 100 | TMMS 50<br>TMMS 100<br>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<br>TMMS 100 | TMMS 50<br>TMMS 100<br>TMMS 160 |

## Technical data hydraulic EasyPull sets

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

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