

# Dismounting

## Selection chart – SKF external pullers

	Designation	Width of grip		Effective arm length			
		mm	in.	mm	in.		
 <b>i</b> 22	<b>SKF Standard Jaw Pullers</b>						
	TMMP 2x65	15–65	0.6–2.6	60	2.4		
	TMMP 2x170	25–170	1.0–6.7	135	5.3		
	TMMP 3x185	40–185	1.6–7.3	135	5.3		
	TMMP 3x230	40–230	1.6–9.0	210	8.3		
	TMMP 3x300	45–300	1.8–11.8	240	9.4		
 <b>i</b> 25	<b>SKF Reversible Jaw Pullers</b>						
	TMMR 40F	23–48	0.9–1.9	67	2.6		
	TMMR 60F	23–68	0.9–2.7	82	3.2		
	TMMR 80F	41–83	1.6–3.3	98	3.9		
	TMMR 120F	41–124	1.6–4.9	124	4.9		
	TMMR 160F	68–164	2.7–6.5	143	5.6		
	TMMR 200F	65–204	2.6–8.0	169	6.7		
	TMMR 250F	74–254	2.9–10.0	183	7.2		
	TMMR 350F	74–354	2.9–13.9	238	9.4		
	TMMR 160XL	42–140	1.7–5.5	221	8.7		
	TMMR 200XL	42–180	1.7–7.1	221	8.7		
	TMMR 250XL	44–236	1.7–9.3	221	8.7		
 <b>i</b> 22	<b>SKF Heavy Duty Jaw Pullers</b>						
	TMMP 6	50–127	2.0–5.0	120*	4.7*		
	TMMP 10	100–223	3.9–8.7	207*	8.2*		
	TMMP 15	140–326	5.5–12.8	340*	13.4*		
 <b>i</b> 20	<b>Mechanical pullers SKF EasyPull</b>						
	TMMA 60	36–150	1.4–5.9	150	5.9		
	TMMA 80	52–200	2.0–7.8	200	7.8		
	TMMA 120	75–250	3.0–9.8	250	9.8		
	<b>Hydraulic pullers SKF EasyPull</b>						
	TMMA 75H + .../SET	52–200	2.0–7.8	200	7.8		
TMMA 100H + .../SET	75–250	3.0–9.8	250	9.8			
 <b>i</b> 24, 26	<b>SKF Hydraulic Jaw Puller Kit</b>						
	TMHP 10E	75–280	3.0–11.0	110–200	4.3–7.9		
	<b>SKF Hydraulic Puller Kit</b>						
TMHC 110E	50–170	1.9–6.7	70–120	2.8–4.7			
 <b>i</b> 23	<b>SKF Hydraulically Assisted Heavy Duty Jaw Pullers</b>						
	TMHP 15/260	195–386	7.7–15.2	264*	10.4*		
	TMHP 30/170	290–500	11.4–19.7	170*	6.7*		
	TMHP 30/350	290–500	11.4–19.7	350*	13.7*		
	TMHP 30/600	290–500	11.4–19.7	600*	23.6*		
	TMHP 50/140	310–506	12.2–19.9	140*	5.5*		
	TMHP 50/320	310–506	12.2–19.9	320*	12.6*		
	TMHP 50/570	310–506	12.2–19.9	570*	22.4*		

\* Other arm length options are available

# SKF EasyPull

Equipped with spring-operated arms and a solid design, the patented SKF 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 SKF EasyPull is available in mechanical and hydraulically assisted versions, as well as complete kits with a tri-section pulling plate and a puller protection blanket.



## Safe and simple bearing dismounting

### Mechanical pullers TMMA series

- 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 SKF 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 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 US ton), enabling easy selection
- TMHS series hydraulic force generators are available as an accessory for the 80 and 120 kN versions

## Quick and virtually effortless bearing dismounting

### Hydraulic pullers TMMA ..H series

- 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 US ton) 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 US ton) version, the hydraulic EasyPull TMMA 75H with a maximum stroke of 75 mm (3 in.)
- Supplied with extension pieces and one nosepiece

#### Technical data

Designation	TMMA 60	TMMA 80	TMMA 120	TMMA 75H	TMMA 100H
Width of grip external, minimum	36 mm (1.4 in.)	52 mm (2.0 in.)	75 mm (3.0 in.)	52 mm (2 in.)	75 mm (3 in.)
Width of grip external, maximum	150 mm (5.9 in.)	200 mm (7.8 in.)	250 mm (9.8 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.)	200 mm (7.8 in.)	250 mm (9.8 in.)
Maximum withdrawal force	60 kN (6.7 US ton)	80 kN (9.0 US ton)	120 kN (13.5 US ton)	75 kN (8.4 US ton)	100 kN (11.2 US ton)
Claw height	7,5 mm (0.30 in.)	9,8 mm (0.39 in.)	13,8 mm (0.54 in.)	9,8 mm (0.39 in.)	13,8 mm (0.54 in.)
Hydraulic spindle	–	–	–	TMHS 75	TMHS 100
Adapter: possible to upgrade to hydraulic version	–	TMHS 75	TMHS 100	–	–
Total weight	4,0 kg (8.8 lb)	5,7 kg (12.6 lb)	10,6 kg (23.4 lb)	7,0 kg (15.4 lb)	13,2 kg (29 lb)



A complete bearing dismounting solution

## Hydraulic puller sets TMMA ..H /SET series

- A set consisting of a hydraulically assisted SKF EasyPull together with a tri-section pulling plate, TMMS series, and a puller protection blanket facilitate an easy, safe and virtually damage-free dismounting
- Especially suitable for dismounting spherical roller and CARB toroidal roller bearings, and other components such as pulleys and flywheels
- A puller protection blanket, TMMX series, made of a strong transparent material allows the user to visually follow the dismounting procedure. While dismounting, the blanket helps to protect from flying fragments of bearings or other components, thereby enhancing user safety
- A sturdy custom-made storage case with room for all parts minimises the risk of losing or damaging the set's components



### Technical data

Designation	TMMA 75H/SET	TMMA 100H/SET
Puller	TMMA 75H	TMMA 100H
Tri-section pulling plate	TMMS 100	TMMS 160
Puller protection blanket	TMMX 280	TMMX 350
Dimensions of case	600 × 235 × 225 mm (23.6 × 9.3 × 8.6 in.)	680 × 320 × 270 mm (27 × 13 × 11 in.)
Total weight	15,0 kg (33.1 lb)	31,6 kg (70 lb)