SKF Mechanical tools accessories



A range of accessories has been developed to further facilitate the ease of use of the SKF puller range



TMHS 75



TMHS 100

Effortless withdrawal force generation

Advanced Hydraulic Spindles TMHS 75 and TMHS 100

The SKF TMHS 75 and TMHS 100 generate a high pulling force with very little effort compared to the standard mechanical spindles. They significantly reduce the time needed to dismount a bearing or other component.

- Integrated hydraulic cylinder, pump and spindle – no separate pump is required
- Safety valve helps prevent overloading the spindle and the puller in case excessive force is applied
- Long stroke helps enable dismounting in one operation
- Spring-loaded nosepiece centre point allows easy puller centring minimising shaft centre point damage
- Hand lever with ergonomic grip can be rotated 360°
- Extension pieces included



TMHS 75:

- Maximum withdrawal force of 75 kN *(8.4 US ton)*
- Stroke length of 75 mm *(3.0 in.)*
- Suitable for use with pullers with a 1 1/4-12 UN thread

TMHS 100:

- Maximum withdrawal force of 100 kN *(11.2 US ton)*
- Stroke length of 80 mm *(3.1 in.)*
- Suitable for use with pullers with a 1 1/2-16 UN thread

TMHS 100 shown as part of hydraulic puller TMMA 100H

Technical data

Designation	TMHS 75	TMHS 100
Contents	1 × hydraulic spindle 2 × extension pieces; 50 and 100 mm *(2.0 and 3.9 in.)* 1 × nosepiece	1 × hydraulic spindle 3 × extension pieces; 50, 100 and 150 mm *(2.0, 3.9 and 5.9 in.)* 1 × nosepiece
Maximum withdrawal force	75 kN *(8.4 US ton)*	100 kN *(11.2 US ton)*
Piston stroke	75 mm *(3.0 in.)*	80 mm *(3.1 in.)*
Body thread	1 1/4-12 UN	1 1/2-16 UN
Nose piece diameter	30 mm *(1.2 in.)*	30 mm *(1.2 in.)*
Maximum reach	229 mm *(9.0 in.)*	390 mm *(15.4 in.)*
Weight	2,7 kg *(6.0 lb)*	4,5 kg *(10.0 lb)*



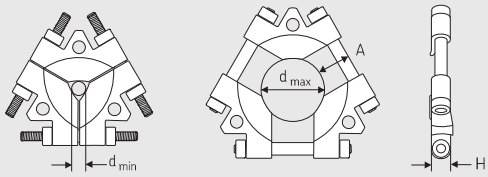
Efficient and correct dismounting

SKF Tri-section Pulling Plates TMMS series

- The SKF TMMS series consists of five different sizes of tri-section pulling plates suitable for shafts with diameters ranging from 50 to 380 mm *(2 to 15 in.)*
- Suitable for use in combination with three-armed pullers
- The plates grip behind the bearing inner ring, helping to ensure that the pulling forces are only transmitted through the inner ring and not through the outer ring or the rolling elements; thereby minimising the risk of bearing damage
- The tri-section construction allows an even dismounting force distribution, preventing bearing locking and/or tilting on the shaft, especially in the case of spherical roller and CARB toroidal roller bearings
- Special wedge shape design allows the plates to be easily inserted between the bearing and the shoulder on the shaft

Dimensions

Designation	d_{min}		d_{max}		A		H	
	mm	*in.*	mm	*in.*	mm	*in.*	mm	*in.*
TMMS 50	12	*0.5*	50	*2.0*	20–30	*0.8–1.2*	15	*0.6*
TMMS 100	26	*1.0*	100	*3.9*	36–55	*1.4–2.1*	25	*1.0*
TMMS 160	50	*2.0*	160	*6.3*	45–73	*1.8–2.9*	30	*1.2*
TMMS 260	90	*3.6*	260	*10.2*	70–114	*2.8–4.5*	42	*1.7*
TMMS 380	140	*5.5*	380	*15.0*	81–142	*3.2–5.6*	58	*2.3*





For additional user safety during dismounting

SKF Puller Protection Blankets TMMX series

- The SKF TMMX series are designed to offer additional user safety, while dismounting bearings or other components
- After the puller has been positioned, the blanket is simply wrapped around the puller and application
- The tough, transparent plastic allows the user to monitor the component and the puller during operation
- Especially designed to fit SKF TMMA series pullers, they are also suitable for use in combination with many other pullers

Dimensions

Designation	Recommended maximum diameter		Length		Width	
	mm	*in.*	mm	*in.*	mm	*in.*
TMMX 210	210	*8.3*	750	*29.5*	420	*16.5*
TMMX 280	280	*11.0*	970	*38.2*	480	*18.9*
TMMX 350	350	*13.8*	1 200	*47.2*	580	*22.8*

Puller accessory selection guide

Puller series	Designation	Puller Protection Blankets TMMX series	Force Generators Advanced Hydraulic Spindle TMHS series	Tri-section Pulling Plates TMMS series
TMMP series Standard jaw pullers	**TMMP 2x65**	–	–	–
	TMMP 2x170	TMMX 280	–	–
	TMMP 3x185	TMMX 210*	–	TMMS 50* TMMS 100
	TMMP 3x230	TMMX 210 TMMX 280*	–	TMMS 50* TMMS 100
	TMMP 3x300	TMMX 280 TMMX 350*	–	TMMS 50 TMMS 100* TMMS 160
TMMP series Heavy duty jaw pullers	**TMMP 6**	TMMX 210	–	TMMS 50*
	TMMP 10	TMMX 280	–	TMMS 100*
	TMMP 15	TMMX 280 TMMX 350	–	TMMS 100* TMMS 160*
TMMR F series Reversible jaw pullers	**TMMR 40F**	–	–	–
	TMMR 60F	–	–	–
	TMMR 80F	–	–	–
	TMMR 120F	TMMX 210	–	–
	TMMR 160F	TMMX 210 TMMX 280	–	–
	TMMR 200F	TMMX 280*	–	–
	TMMR 250F	TMMX 350*	–	–
	TMMR 350F	–	–	–
TMMA series SKF EasyPull	**TMMA 60**	TMMX 210* TMMX 280	–	TMMS 50*
	TMMA 80	TMMX 210 TMMX 280* TMMX 350	TMHS 75	TMMS 50* TMMS 100*
	TMMA 120	TMMX 280 TMMX 350*	TMHS 100	TMMS 50 TMMS 100* TMMS 160*
	TMMA 75H	TMMX 210 TMMX 380* TMMX 350	TMHS 75 **	TMMS 50* TMMS 100*
	TMMA 100H	TMMX 280 TMMX 350*	TMHS 100 **	TMMS 50 TMMS 100* TMMS 160*
	TMMA 75H/SET	TMMX 280 **	TMHS 75 **	TMMS 50* TMMS 100*
	TMMA 100H/SET	TMMX 350 **	TMHS 100 **	TMMS160 **
TMHC 110E Hydraulic Puller kit	**TMHC 110E**	TMMX 210 TMMX 280* TMMX 350	TMHS 100 **	
TMHP 10E Hydraulic Puller kit	**TMHP 10E**	TMMX 210 TMMX 280* TMMX 350	TMHS 100 **	TMMS 50* TMMS 100* TMMS 160
TMBS E series Strong back pullers	**TMBS 50E**	TMMX 210	–	–
	TMBS 100E	TMMX 210* TMMX 280	TMHS 100 **	–
	TMBS 150E	TMMX 280* TMMX 350	TMHS 100 **	–
TMHP series Hydraulically - assisted heavy duty jaw pullers	**TMHP 15/260**	–	–	TMMS 160 TMMS 260
	TMHP 30/170	–	–	TMMS 260* TMMS 380
	TMHP 30/350	–	–	TMMS 260* TMMS 380
	TMHP 30/600	–	–	TMMS 260* TMMS 380
	TMHP 50/140	–	–	TMMS 260 TMMS 380*
	TMHP 50/320	–	–	TMMS 260 TMMS 380*
	TMHP 50/570	–	–	TMMS 260 TMMS 380*
	TMHP 15/260X	–	–	TMMS 160 TMMS 260
	TMHP 30/170X	–	–	TMMS 260* TMMS 380
	TMHP 30/350X	–	–	TMMS 260* TMMS 380
	TMHP 30/600X	–	–	TMMS 260* TMMS 380
	TMHP 50/140X	–	–	TMMS 260 TMMS 380*
	TMHP 50/320X	–	–	TMMS 260 TMMS 380*
	TMHP 50/570X	–	–	TMMS 260 TMMS 380*
TMMD 100/ TMBP 20E Blind housing puller kits	**TMMD 100**	TMMX 210*	–	–
	TMBP 20E	TMMX 210 TMMX 280*	–	–

* recommended / ** accessory included with puller

skf.com | mapro.skf.com | skf.com/mount

® SKF is a registered trademark of the SKF Group.

© SKF Group 2016
The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MP/P8 13075 EN · April 2016