

FITTING TOOL KIT – FT50

Introduction

The Fitting Tool kit is designed to facilitate the Safe Precise and Quick mounting of Bearings, Linings, Ring Seals, and Cam Belt Pullies. The correct combination of sleeve and engineered impact ring delivers an effective even transmission of force to the item being mounted. The carefully matched tools eliminate the risk of damaging the rolling elements and raceways of bearings and possible distortion of seals and other items requiring interference fits.

Fitting Tools are the perfect equipment for mounting smaller work pieces such as bearings with the inside diameter of 10mm-50mm. The quick precise mounting ensures the integrity of bearings, extending service life. In effect Fitting Tools avoids the risk of damage to products experienced by traditional fitting methods.

Features

1. 33 Pieces of engineered impact rings are clearly marked for easy selection, for use with inside diameters 10-50mm. They ensure damage free fitting and prevent contamination by foreign particles.
2. Hard aluminium alloy sleeves (3 pieces) light, nonmagnetic and easy to use.
3. Dead hit hammer with double face. Ensures non rebound fitting. The special hammer head compound prevents contamination of the work piece and reduces the chance of damage.

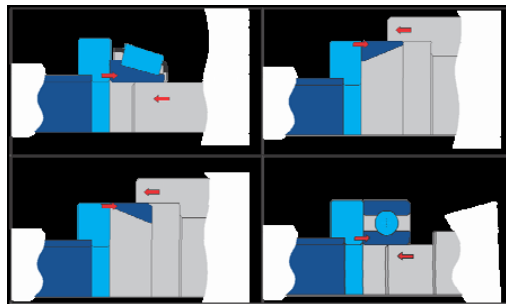


Proper mounting is essential to ensure long bearing life. ZMT tools are designed to facilitate safe, precise and quick mounting. Each kit features impact-resistant plastic collets. These help avoid metal-to-metal contact and the resulting shaft damage.

During the mounting of bearings, where the faces lie in the same plane, the collets enable the load to be transmitted to the ring experiencing the interference fit. If the impact mounting tool is used, mounting forces are not transmitted via the rolling elements and damage to the raceways is avoided.

Proper mounting allows the load to be transmitted to the ring experiencing the interference fit. Mounting forces are not transmitted via the rolling elements, helping to prevent damage to the raceways.

Care should be taken when mounting tapered roller bearings. The cup can be mounted in either direction, but the cone can only be mounted from the back face. This ensures that the cage does not overhang. Never mount a cup and cone together or mount a cone from the front face. This will avoid damage to the cage and raceways which could lead to catastrophic failure.



WARNING:

Proper maintenance and handling practices are critical. Failure to follow user manual can result in equipment failure, creating a risk of serious bodily harm. Since our products are subject to continuous improvement, we reserve the right to make changes.

Proper mounting allows the load to be transmitted to the ring experiencing the interference fit. This way, mounting forces are not transmitted via the rolling elements, avoiding damage to the raceways.

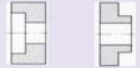













When operating the impact fitting tool, please wear protective clothing, including safety shoes, protective glasses, gloves and helmet.


- Do not use the collets to mount components that have a temperature greater than 80 °C.
- Never mount the cup and cone of a tapered bearing together or mount a cone from the front face.



Sleeve Selection Table

Sleeve	Impact ring	Applicable Lists of Bearings							
	 Ring number d*Ø	 Sn 60, 62 63, 64	 Sn 12, 22 13, 23	 Sn 72B 73B	 Sn 32 33	 Sn 213, 222 223	 Sn NU/NJ/N 2, 3, 4	 Sn 302, 303 322	 Sn 313, 323
 ZMT-A	10*26	6000	129		3200				
	10*30	6200	1200						
	10*30		2200						
	10*35	6300	1300						
	12*28	6001							
	12*32	6201	1201		3201				
	12*32		2201						
	12*37	6301	1301						
	12*37		2301						
	15*32	6002							
	15*35	6202	1202	7202B	3202				
	15*35		2202						
	15*42	6302	1302		3302			30302	
	15*42		2302						
	17*35	6003							
17*40	6203	1203	7203B	3203			30203		
17*40		2203							
17*47	6303	1303	7303B	3303			30303		
17*47		2303							
 ZMT-B	20*42	6004	1204	7204B	3204		204		
	20*47	6204	2204						
	20*47		1304	7304B	3304	21304	304	30304	32304
	20*52	6304	2304						
	20*52								
	25*47	6005							
	25*52	6205	1205	7205B	3205	22205	205	30205	
	25*52		2205						
	25*62	6305	1305	7305B	3305	21305	305	30305	31305
	25*62		2305						32305
	30*55	6006							
	30*62	6206	1206	7206B	3206	22206	206	30206	
	30*62		2206					32206	
	30*72	6306	1306	7306B	3306	21306	306	30306	31306
	30*72		2306				405		32306
 ZMT-C	35*62	6007	1207	7207B	3207	22207	207	30207	
	35*72	6207	2207					32207	
	35*72		1307	7307B	3307	21307	307	30307	31307
	35*80	6307	2307				406		32307
	35*80								
	40*68	6008							
	40*80	6208	1208	7208B	3208	22208	208	30208	
	40*80		2208					32208	
	40*90	6308	1308	7308B	3308	21308	308	30308	31308
	40*90		2308			22308	407		32308
	45*75	6009							
	45*85	6209	1209	7209B	3209	22209	209	30209	
	45*85		2209					32209	
	45*100	6309	1309	7309B	3309	21309	309	30309	31309
	45*100		2309			22309	408		32309
50*80	6010								
50*90	6210	1210	7210B	3210	22210	210	30210		
50*90		2210					32210		
50*110	6310	1310	7310B	3310	21310	310	30310	31310	
50*110		2310			22310	409		32310	

The following Impact rings are applicable for the out ring intallation

 ZMT-C	50*90	6011							
	50*90	6012							
	45*100	6013	1211	7211B	3211	22211	211		
	45*100	6211	2211						
	50*110	6014	1212	7212B	3212	22212	212		
	50*110	6015	1213	7213B	3213	22213	213		
	50*110	6212	2212	7311B	3311	21311	311		
	50*110	6213	2213			22311	410		
	50*110	6311	1311						
	50*110	6410	2311						