

Mechanical tools



Helps prevent premature bearing failures

SKF Bearing Fitting Tool Kit TMFT series

Poor fitting, usually using brute force, accounts for 16% of premature bearing failures. SKF Bearing Fitting Tool Kits are designed for quick and precise mounting of bearings, while minimising the risk of bearing damage. The right combination of impact ring and sleeve allows effective transmission of mounting force to the bearing ring with the interference fit, minimising the risk of damaging the bearing's raceways or rolling elements. In addition to mounting bearings, the TMFT series are also suitable for mounting other components such as bushings, seals and pulleys. The TMFT 36 kit contains 36 impact rings and the TMFT 24 contains 24 rings. Both kits have 3 impact sleeves and a dead-blow hammer packed in a lightweight carrying case.










- The TMFT 36 facilitates the mounting of a wide range of bearings with bore diameters from 10–55 mm
- The TMFT 24 facilitates the mounting of a wide range of bearings with bore diameters from 15–45 mm
- Facilitates correct mounting on shaft, housing and blind applications
- The diameter of the impact ring precisely fits the inner and outer diameter of the bearing
- Small diameter of the impact area on top of the sleeve allows effective transmission and distribution of mounting force
- Impact rings and sleeves are made of high impact resistant material for longevity
- Click connection between impact ring and sleeve provides stability and durability
- The impact rings are suitable for use under a press
- Impact rings are marked for clear visual identification of the ring's size and easy selection
- Even surface of the impact sleeve's body provides excellent grip
- The nylon double-side head of the dead-blow hammer helps to prevent damaging the components
- The ergonomic handgrip of the dead-blow hammer provides excellent grip



Technical data

Designation	TMFT 24	TMFT 36
Impact rings		
Bore diameter	15–45 mm (0.59–1.77 in.)	10–55 mm (0.39–2.17 in.)
Outer diameter	32–100 mm (1.26–3.94 in.)	26–120 mm (1.02–4.72 in.)
Sleeves		
Maximum shaft length	Sleeve A: 220 mm (8.7 in.) Sleeve B: 220 mm (8.7 in.) Sleeve C: 225 mm (8.9 in.)	Sleeve A: 220 mm (8.7 in.) Sleeve B: 220 mm (8.7 in.) Sleeve C: 225 mm (8.9 in.)
Hammer	TMFT 36-H, weight 0,9 kg (2.0 lb)	TMFT 36-H, weight 0,9 kg (2.0 lb)
Carrying case dimensions	530 × 110 × 360 mm (20.9 × 4.3 × 14.2 in.)	530 × 110 × 360 mm (20.9 × 4.3 × 14.2 in.)
Number of rings	24	36
Number of sleeves	3	3
Weight (including carrying case)	4,0 kg (8.9 lb)	4,4 kg (9.7 lb)

TMFT 24 is suitable for SKF bearing series

								
DGBB	DGBB (sealed)	SABB	SRACBB	DRACBB	SRB	CRB	TRB	CARB
6002-6009	62202-62209	1202-1209	7002-7009	3202-3209	21305-21309	N 1005-N 1009	30203-30209	C 2205-C 2209
6202-6209	62302-62309	1302-1309	7202-7209	3302-3309	22205/20	N 202-N 209	30302-30309	C 6006
6302-6309	63002-63009	2202-2209	7302-7309		22205-22209	N 2203-N 2209	31305-31309	
6403-6407		2302-2309			22308-22309	N 2304-N 2309	32004-32009	
62/22		11207-11209				N 3004-N 3009	32205-32209	
62/28						N 303-N 309	32303-32309	
63/22							33205-33209	
63/28								
16002-16009								
98203-98206								

TMFT 36 is suitable for SKF bearing series

DGBB	DGBB (sealed)	SABB	SRACBB	DRACBB	SRB	CRB	TRB	CARB
6000-6011	62200-62211	1200-1211	7000-7011	3200-3211	21305-21311	N 1005-N 1011	30203-30211	C 2205-C 2211
6200-6211	62300-62311	129	7200-7211	3302-3311	22205/20	N 202-N 211	30302-30311	C 4010
6300-6311	63000-63010	1301-1311	7301-7311		22205-22211	N 2203-N 2211	31305-31311	C 6006
6403-6409		2200-2211			22308-22311	N 2304-N 2311	32004-32011	
629		2301-2311				N 3004-N 3011	32205-32211	
62/22		11207-11210				N 303-N 311	32303-32311	
62/28							33010-33011	
63/22							33205-33211	
63/28								
16002-16011								
16100-16101								
98203-98206								

Interference fits on cylindrical shafts

Most bearings are fitted to their shaft or housing with one component having an interference fit. For determining the correct fit, refer to the SKF General Catalogue, the SKF Maintenance Handbook or consult an SKF application engineer.

Incorrect mounting

When bearings are mounted cold, care must be taken to ensure the drive-up forces are applied to the ring with the interference fit. Damage to the bearing resulting in a failure can occur if the mounting force is transmitted through the rolling elements causing damage to the raceways.

Correct mounting

The correct way to minimise raceway damage is to use specifically designed tools from SKF, such as the Bearing fitting tool kits and Combi kits. These tools allow drive-up forces to be applied effectively and evenly to the component with the interference fit, avoiding raceway damage.

