

SKF Bearing Fitting Tool Kit TMFT series

Helps prevent premature
bearing failures



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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 different bearings with bore diameters from 10–55 mm
- The TMFT 24 facilitates the mounting of different 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 rubber handgrip of the dead-blow hammer provides excellent grip



TMFT 24



TMFT 36



Interference fits on cylindrical shafts

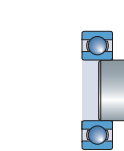
Most bearings are fitted to their shaft or housing with one component having an interference fit. For determining the correct fit, refer to the SKF General Catalogue, the SKF Maintenance Handbook or consult an SKF application engineer.

Incorrect mounting

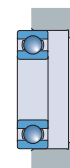
When bearings are mounted cold, care must be taken to ensure the drive-up forces are applied to the ring with the interference fit. Damage to the bearing resulting in a failure can occur if the mounting force is transmitted through the rolling elements causing damage to the raceways.

Correct mounting

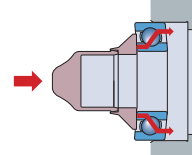
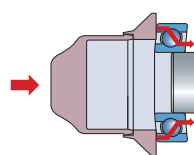
The correct way to minimise raceway damage is to use specifically designed tools from SKF, such as the Bearing Fitting Tool Kit TMFT 36 and Combi Kit TMMK 10-35. These tools allow drive-up forces to be applied effectively and evenly to the component with the interference fit, avoiding raceway damage.



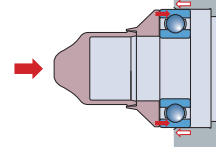
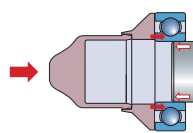
Shaft interference fit



Housing interference fit



Uneven distribution of forces can result in raceway damage












With the correct tools, raceway damage is avoided










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) |

SKF TMFT 24 is suitable for SKF Bearing series

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

SKF TMFT 36 is suitable for SKF Bearing series

|  |  |  |  |  |  |  |  |  |
|--|---|---|---|---|---|--|--|---|
| DGBB | DGBB (sealed) | SABB | SRACBB | DRACBB | SRB | CRB | TRB | CARB® |
| 6000-6011 6200-6211 6300-6311 6403-6409 629 62/22 62/28 63/22 63/28 16002-16011 16100-16101 98203-98206 | 62200-62211 62300-62311 63000-63010 | 1200-1211 129 1301-1311 2200-2201 2301-2311 11207-11210 | 7000-7011 7200-7211 7301-7311 | 3200-3211 3302-3311 | 21305-21311 22205/20 22205-22211 22308-22311 | N 1005-N 1011 N 202-N 211 N 2203-N 2211 N 2304-N 2311 N 3004-N 3011 N 303-N 311 | 30203-30211 30302-30311 31305-31311 32004-32011 32205-32211 32303-32311 33010-33011 33205-33211 | C 2205-C 2211 C 4010 C 6006 |

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