



Optimised puller claw design firmly grips the outer raceway of SKF bearings, without the need of removing the bearing cage.



The rubber cap allows easy and quick attachment of the arms to the spindle. It also prevents the puller arms from detaching from the spindle during operation

Easy dismounting of bearings in blind housings

## SKF Deep Groove Ball Bearing Puller Kit TMMD 100

The puller is suitable for use in both blind housings and shaft applications. The SKF TMMD 100 is suitable for dismounting up to 71 different SKF deep groove ball bearings, with shaft diameters ranging between 10 and 100 mm (0.4–3.9 in.).

- The claws are designed to precisely fit in the bearing's raceway, providing a good grip, thereby allowing high dismounting forces
- Each puller arm is fitted with a spring for easy installation
- The claw has been designed to allow easy insertion
- The hexagon head of the spindle is designed to prevent the spanner sliding down the spindle during dismounting
- The puller can also be used to remove sealed bearings from blind housings, after the seal has been removed
- Supplied in a sturdy carrying case

### Suitability chart

The SKF TMMD 100 suits the following bearing series and sizes:

| Bearing designation        | Shaft diameter    |                          |
|----------------------------|-------------------|--------------------------|
| 6000–6020                  | 10–100 mm         | (0.4–3.9 in.)            |
| 6200–6218                  | 10–90 mm          | (0.4–3.5 in.)            |
| 6300–6313                  | 10–65 mm          | (0.4–2.6 in.)            |
| 6403–6410                  | 17–50 mm          | (0.7–2.0 in.)            |
| 62/22, 62/28, 63/22, 63/28 | 22, 28, 22, 28 mm | (0.9, 1.1, 0.9, 1.1 in.) |
| 16002, 16003, 16011        | 15, 17, 55 mm     | (0.6, 0.7, 2.2 in.)      |
| 16100, 16101               | 10, 12 mm         | (0.4, 0.5 in.)           |

### Technical data

| Designation              | TMMD 100                                                                                                                                                      |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kit contents             | 3 × puller arm A1<br>3 × puller arm A2<br>3 × puller arm A3<br>3 × puller arm A4<br>3 × puller arm A5<br>3 × puller arm A6<br>2 × spindle and nut, 1 × handle |
| Effective arm length     | 135–170 mm (5.3–5.7 in.)                                                                                                                                      |
| Carrying case dimensions | 530 × 85 × 180 mm (20.9 × 3.4 × 7.0 in.)                                                                                                                      |
| Weight                   | 3,6 kg (7.9 lb)                                                                                                                                               |



# Mechanical tools

## Internal pullers

The SKF Internal Bearing Puller Kits are designed for dismantling bearings from housings, where the fit is on the outer ring. The pullers are constructed for optimum strength and durability and suit a wide range of bearing bore diameters. A sliding hammer allows high impact forces to be applied and is ergonomically designed to enhance user safety.

Fast and easy bearing dismantling from housings

### SKF Internal Bearing Puller Kits TMIP and TMIC series



**TMIP series**

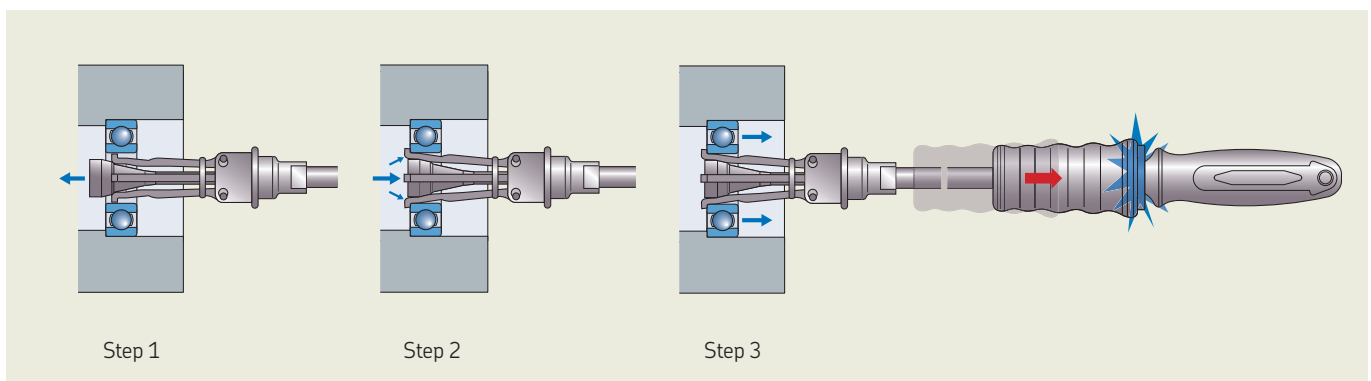
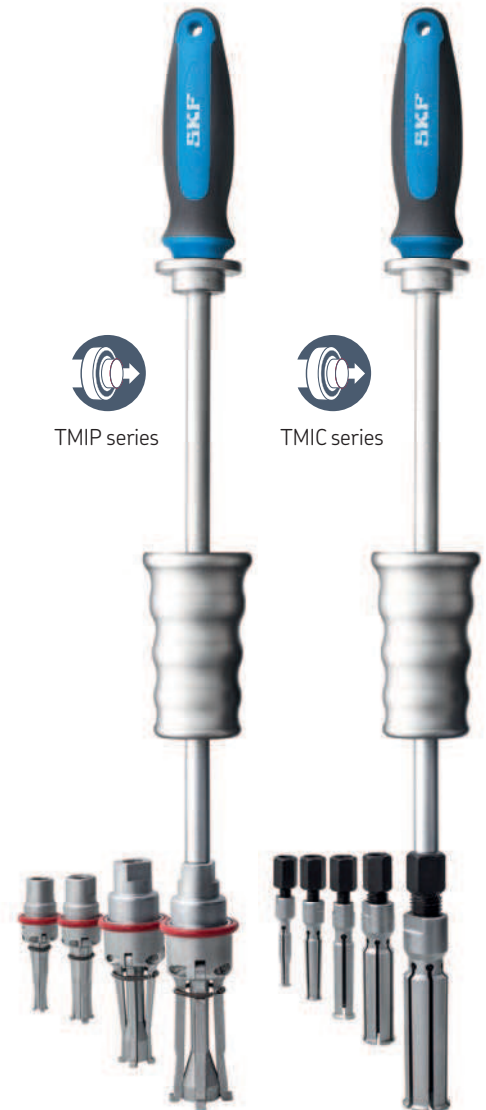
- Unique SKF design can reduce dismantling time
- Unlike most internal bearing pullers, the spring loaded extractors can be quickly and easily fitted to the inner ring in just one quick action
- Claw design provides a strong and secure grip behind the inner ring allowing a high puller force to be applied
- Two different kits to suit bearing bores between 7 – 28 mm and 30 – 60 mm



**TMIC series**

- Expandable collet design made of high strength materials
- Designed for applications with only a limited space to grip behind the bearing
- Suit bearing bores between 7 – 28 mm

Supplied in a sturdy carrying case



## Selection chart

| Extractor   | Bearing bore diameter | Bearing DGBB                               |  | SABB      | ACBB      | SRB            |
|-------------|-----------------------|--------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------|----------------|
|             |                       |                                            |                                                                                   |           |           |                |
| TMIC C7-8   | 7–8 mm                | 607–638, 618/7–638/8                       |                                                                                   | 127–108   | –         | –              |
| TMIC C10-12 | 10–12 mm              | 6000–6301, 16000–16101, 61800–61801        |                                                                                   | 1200–2301 | 3200–5201 | –              |
| TMIC C12-15 | 12–15 mm              | 6001–6302, 16101–16902, 61801–61902        |                                                                                   | 1201–2301 | 3201–3202 | –              |
| TMIC C17-20 | 17–20 mm              | 6003–6404, 16003–16004, 61803–61904        |                                                                                   | 1203–2304 | 3203–3204 | 22205/20       |
| TMIC C22-28 | 22–28 mm              | 6005–6405, 16005, 61805–62205, 62/22–63/28 |                                                                                   | 1205–2305 | 3205–3305 | 22205–21305    |
| TMIP E7-9   | 7–9 mm                | 607–629, 618/7–619/9, 627–628/8            |                                                                                   | 127–129   | –         | –              |
| TMIP E10-12 | 10–12 mm              | 6000–6301, 16000–16101, 61800–61801        |                                                                                   | 1200–2301 | 3200–5201 | –              |
| TMIP E15-17 | 15–17 mm              | 6002–6403, 16002–16003, 61802–61903        |                                                                                   | 1202–2303 | 3202–3303 | –              |
| TMIP E20-28 | 20–28 mm              | 6004–6405, 16004–16005, 62/22–63/28        |                                                                                   | 1204–2305 | 3204–3305 | 22205/20–21305 |
| TMIP E30-40 | 30–40 mm              | 6006–6408, 16006–16008, 61806–61908        |                                                                                   | 1206–2308 | 3206–5408 | 22206–22308    |
| TMIP E45-60 | 45–60 mm              | 6009–6412, 16009–16012, 61809–61912        |                                                                                   | 1209–1412 | 3209–5412 | 22209–22312    |

The above tables only show a selection of popular bearings that can be dismounted using SKF Internal Pullers. There may be other bearings that can also be removed using the SKF TMIP or TMIC pullers.



## Technical data – extractors

| size              | Maximum bearing width |      | Space behind bearing |      | Housing depth |     |
|-------------------|-----------------------|------|----------------------|------|---------------|-----|
|                   | mm                    | in.  | mm                   | in.  | mm            | in. |
| <b>TMIC 7-28</b>  |                       |      |                      |      |               |     |
| TMIC C7-8         | 13,3                  | 0.5  | 3                    | 0.12 | 54            | 2.1 |
| TMIC C10-12       | 46,5                  | 1.8  | 3                    | 0.12 | 56            | 2.2 |
| TMIC C12-15       | 54                    | 2.1  | 4                    | 0.16 | 62            | 2.4 |
| TMIC C17-20       | 59                    | 2.3  | 5,3                  | 0.21 | 70            | 2.8 |
| TMIC C22-28       | 90                    | 3.5  | 6,7                  | 0.26 | 90            | 3.5 |
| <b>TMIP 7-28</b>  |                       |      |                      |      |               |     |
| TMIP E7-9         | 10                    | 0.4  | 6                    | 0.24 | 39            | 1.5 |
| TMIP E10-12       | 11                    | 0.4  | 6                    | 0.24 | 45            | 1.8 |
| TMIP E15-17       | 18                    | 0.7  | 7,5                  | 0.29 | 55            | 2.2 |
| TMIP E20-28       | 24                    | 0.9  | 10                   | 0.4  | 60            | 2.4 |
| <b>TMIP 30-60</b> |                       |      |                      |      |               |     |
| TMIP E30-40       | >35                   | >1.4 | 11,5                 | 0.45 | 97            | 3.8 |
| TMIP E45-60       | >64                   | >2.5 | 15                   | 0.6  | 102           | 4.0 |



## Technical data

| Designation                 | TMIC 7-28                                   | TMIP 7-28                                   | TMIP 30-60                                  |
|-----------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Bearing bore diameter       | 7–28 mm (0.28–1.1 in.)                      | 7–28 mm (0.28–1.1 in.)                      | 30–60 mm (1.2–2.4 in.)                      |
| Total sliding hammer length | 417 mm (16.4 in.)                           | 417 mm (16.4 in.)                           | 557 mm (21.9 in.)                           |
| Carrying case dimensions    | 530 × 85 × 180 mm<br>(20.9 × 3.4 × 7.0 in.) | 530 × 85 × 180 mm<br>(20.9 × 3.4 × 7.0 in.) | 530 × 85 × 180 mm<br>(20.9 × 3.4 × 7.0 in.) |
| Weight                      | 3,0 kg (6.6 lb)                             | 3,1 kg (6.8 lb)                             | 5,4 kg (11.9 lb)                            |