



Application

The Combi Kit TMMK 10-30 is designed for quick, precise and safe mounting of bearings with bore 10 to 30 mm (0.39 - 1.18 in). It can also be used to mount bushings, seal rings, belt pulleys etc. The puller can either be used for dismounting deep groove ball bearings with an interference fit on both rings or on outer-ring only without having a shaft.

Description

For dismounting, the kit comprises two centre screws, five sets of three puller arms each made of high-tensile alloy steel, a puller handle, a slide hammer and seven support rings to support the bearing with an interference fit on the outer-ring only.

The arms are provided with colour codes for an easy identification. For mounting, the kit consists of 21 impact rings, two high-strength aluminium sleeves and a dead-blow hammer with nylon faces. The rings as well as the impact surfaces are made of a super-tough acetal resin, giving high mechanical strength and impact fatigue resistance at a very low weight. The fibreglass handle, with comfortable grip for good handling, absorbs shock and vibration. All parts are clearly arranged in a practical transport case. A selection chart and instructing pictures are included in each unit.



Operating instructions

Dismounting ball bearings on a shaft and in a housing

1. Select arms and spindle with the aid of the selection chart.
2. Make sure arms are spread over the bearing as per chart below.
3. Attach the arms to the spindle nut. For easy assembly the spindle nut is provided with an elastic locking ring that keeps the arms in correct position during installation.
4. The bearing can now easily be dismounted with a spanner.
5. The largest arm set is provided with locking plates which rest against the inner-ring of the bearing preventing the tip from slipping out of the raceway.

Dismounting ball bearings in a housing without shaft

6. Follow instructions 1., 2., 3. and 5.
7. Select the right support ring to close bearing bore providing a support to the spindle.
8. Screw in the slide hammer and generate the necessary impact to dismount the bearing.

Mounting bearings, bushings, seal rings, belt pulleys etc.

9. Select the right impact ring and -sleeve and generate necessary impact force by using the dead-blow hammer.

| Part No. |
|----------|----------|----------|----------|----------|----------|----------|
| 9000 | M12 | A1 | 1 | A 1026 | | |
| 9200 | M12 | A1 | | A 1030 | | |
| 9300 | M12 | A3 | | A 1035 | | |
| 9001 | M12 | A1 | 2 | A 1228 | | |
| 9201 | M12 | A2 | | A 1232 | | |
| 9301 | M12 | A3 | | A 1237 | | |
| 9002 | M12 | A1 | 3 | A 1525 | | |
| 9202 | M12 | A2 | | A 1535 | | |
| 9302 | M12 | A3 | | A 1542 | | |
| 9003 | M12 | A1 | 4 | A 1735 | | |
| 9203 | M12 | A2 | | A 1740 | | |
| 9303 | M16 | A4 | | A 1747 | | |
| 9403 | M16 | A5 | | B 2032 | | |
| 9004 | M12 | A2 | 5 | B 2042 | | |
| 9204 | M12 | A3 | | B 2047 | | |
| 9304 | M16 | A4 | | B 2052 | | |
| 93/22 | M16 | A4 | 6 | B 2547 | | |
| 9005 | M12 | A2 | | B 2552 | | |
| 9205 | M12 | A3 | | B 2552 | | |
| 9305 | M16 | A5 | | B 2582 | | |
| 93/28 | M16 | A5 | 7 | B 3082 | | |
| 9006 | M12 | A2 | | B 3035 | | |
| 9206 | M16 | A4 | | B 3082 | | |
| 9306 | M16 | A5 | | B 3072 | | |
| 9007 | M12 | A3 | | | | |
| 9207 | M16 | A5 | | | | |
| 9307 | M16 | A5 | | | | |
| 9008 | M12 | A3 | | | | |
| 9208 | M16 | A5 | | | | |
| 9009 | M12 | A3 | | | | |
| 9209 | M16 | A5 | | | | |
| 9010 | M12 | A3 | | | | |
| 9210 | M16 | A5 | | | | |
| 9011 | M16 | A4 | | | | |
| 9211 | M16 | A5 | | | | |
| 9012 | M16 | A4 | | | | |
| 9212 | M16 | A4 | | | | |
| 9013 | M16 | A5 | | | | |
| 9213 | M16 | A5 | | | | |
| 9014 | M16 | A5 | | | | |
| 9214 | M16 | A5 | | | | |
| 9015 | M16 | A5 | | | | |
| 9215 | M16 | A5 | | | | |
| 9016 | M16 | A5 | | | | |
| 9216 | M16 | A5 | | | | |
| 9017 | M16 | A5 | | | | |

Technical data

Designation: TMMK 10-30
 Effective from: 01.07.2010
 ЗАО «БЕРГ АБ», (495) 727-22-72, promshop-biz@ya.ru, www.promshop.biz
 A1- 10 mm (0.39 in)
 A2- 140 mm (5.5 in)

Spindle hexagon heads (AF)

A3- 240 mm (9.4 in)
 A4- 170 mm (6.7 in)
 A5- 170 mm (6.7 in)

TMMK M12- 19 mm (0.75 in)
 TMMK M16- 19 mm (0.75 in)

Impact rings bore diameter

7 sizes between 10 and 30 mm (0.39- 1.18 in)

Impact rings outer diameter

12 sizes between 26 and 72 mm (1.02- 2.83 in)

Impact sleeves bore diameter

18- 32 mm (0.71- 1.26 in)

Dead-blow hammer weight

1 kg (2.2 lb)

Shaft support rings (diameter)

10, 12, 15, 17, 20, 25 and 30 mm (0.39, 0.47, 0.59, 0.67, 0.78, 0.98, 1.18 in)

Slide hammer displacement

215 mm (8.46 in)

Slide hammer weight

1,7 kg (15.8 lb)

Case dimensions

440 x 350 x 95 mm (17.3 x 13.7 x 3.7 in)

Total weight

7,2 kg (15.8 lb)

Replacement parts

Designation

Description

TMMD A1	Puller arm
TMMD A2	Puller arm
TMMD A3	Puller arm
TMMD A4	Puller arm
TMMD A5	Puller arm
TMMK M12	Spindle with nut
TMMK M16	Spindle with nut
TMMK SH	Slide hammer
TMFT 33-A	Small impact sleeve
TMFT 33-B	Big impact sleeve
TMFT 33A- ring designation	Impact ring e.g. TMFT 33-A17/35
TMFT 33-H	Dead-blow hammer
TMMK SR7	Support rings (set of 7 pcs.)

