

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 dismantling deep groove ball bearings with an interference fit on both rings or on outer-ring only without having a shaft.

Description

For dismantling, 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 dismantled 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.

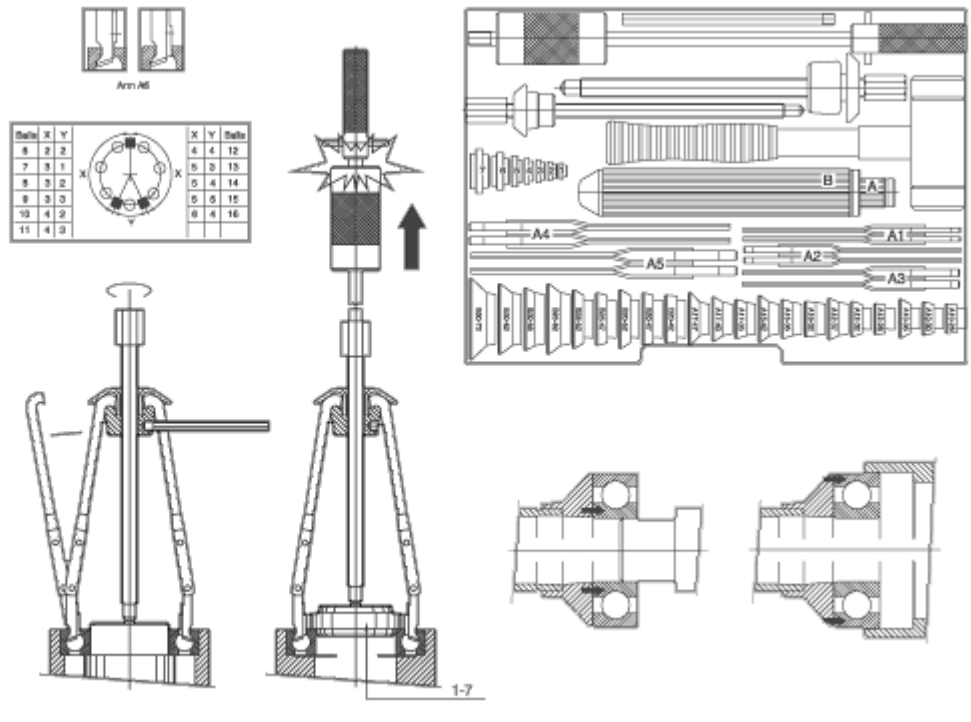
Dismounting ball bearings in a housing without shaft

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.

Code	Spindle	Arm	Qty	Part No.	Group
9000	M12	A1	1	A 1026	A
9200	M12	A1	1	A 1030	
9300	M12	A3	1	A 1035	
9001	M12	A1	2	A 1228	
9201	M12	A2	2	A 1232	
9301	M12	A3	2	A 1237	
9002	M12	A1	3	A 1532	
9202	M12	A2	3	A 1535	
9302	M12	A3	3	A 1542	
9003	M12	A1	4	A 1735	
9203	M12	A2	4	A 1740	
9303	M16	A4	4	A 1747	
9403	M16	A5	4	B 2032	
9004	M12	A2	5	B 2042	B
9204	M12	A3	5	B 2047	
9304	M16	A4	5	B 2052	
93/22	M16	A4	6	B 2547	
9005	M12	A2	6	B 2552	
9205	M12	A3	6	B 2552	
9305	M16	A5	6	B 2562	
93/28	M16	A5	7	B 3062	
9006	M12	A2	7	B 3055	
9206	M16	A4	7	B 3062	
9306	M16	A5	7	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 arm length (L)

A1- 140 mm (5.5 in)
A2- 140 mm (5.5 in)

Spindle hexagon heads (AF)

A3- 140 mm (5.5 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.)

