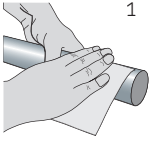
Mounting instructions for SKF ConCentra ball bearing units

Carefully read the complete instructions prior to starting work.

NOTE: This is a unit assembly. No attempt should be made to disassemble the bearing prior to installation. In the following instructions, provision has been made to achieve a tight interference fit on the shaft using commercial grade shafting.

Mounting instructions

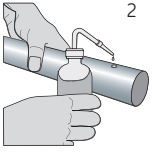
1. Remove any burrs on the shaft with emery cloth or a fine file, wipe clean with a cloth and check shaft diameter. See chart for tolerances.



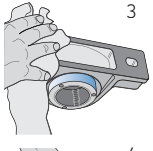
Recommended shaft tolerances

Shaft diameter	Tolerance
Up to and incl. 50 mm	0 to -76 µm
55 to 75 mm	0 to -102 µm
Up to and incl. 1.15/16 in	0 to -0,003 in
2 to 2.15/16 in	0 to -0,004 in

2. Lubricate the shaft with light oil.

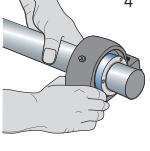


3. Clean the base of the pillow block and support surface on which it rests. Be sure the supporting surface is flat. If the pillow block elevation must be adjusted by shims, the shims MUST extend the full length and width of the support surface.



4. Slide the bearing and housing, with mounting side facing outward, onto the shaft where the pillow block is to be secured. Bolt the pillow block securely to the support.

5. Position the collar so that a set screw is directly opposite the split in the sleeve. Snug the mounting screws to finger tightness holding the short leg of the supplied hexagonal key.

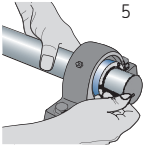


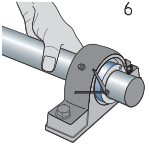
6. Tighten the mounting screws a total of 1/2 turn by alternately tightening in two increments (1/4 turn and 1/4 turn). Lastly tighten each set screw, starting with the screw opposite the split in the sleeve, until the long end of the hexagonal key comes in contact with the supplied torque indicator or to the recommended torque value shown in the table below.

   Caution: Do not use auxiliary equipment such as a hammer or pipe in tightening the screws.

7. *Pillow block housings - 2nd unit*
   Position the second unit at its correct location on the shaft. Place the housing mounting bolts in their holes but do not tighten. Repeat steps 5 and 6. Tighten the housing mounting bolts to the correct torque.

   Flange housings - 2nd unit
   Position the second bearing and housing at its location on the shaft. Snug the mounting screws to finger tightness (unit should be able to slide along shaft) holding the short leg of the supplied hexagonal key. Bolt the flange securely to the mounting surface. Repeat steps 5 and 6.





Recommended torque values

Shaft diameter	Screw size	Recommended torque
15 to 30 mm	M5	4,2 Nm
35 to 75 mm	M6	7,4 Nm
5/8 to 1.5/16 in	M5	37 in.lbf
1.3/8 to 2.15/16 in	M6	66 in.lbf

Dismounting instructions

1. It may be necessary to clean the shaft extension with emery cloth to remove rust or repair surface damage.

2. Loosen the mounting set screws 1 to 2 full turns.

3. Lightly impact the bearing collar side of the shaft until the bearing releases from shaft. Remove complete unit from the shaft.

® SKF is a registered trademark of AB SKF.
© SKF 2005
Although care has been taken to assure the accuracy of the data compiled in this publication, SKF does not assume liability for errors or omissions.

K-672/SKF Mekan AB 2005