



Poly-Round® Bearing

Installation of bearing into housing

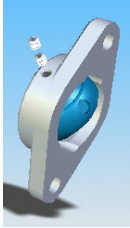


Fig 8-1

NOTE Remove two (2) setscrews from an EDT housing in order to replace the Poly-Round® bearing (see Fig 8-1).

Step 1 Put new bearing into a freezer or into ice water for an hour. Poly-Round® bearings are made for a snug fit into the housing. Chilling the polymer will shrink it and make it easier to install.

Step 2 Note the slot on the O.D. of the bearing and the dimensions of bearing that are not the same off the centerline of the O.D (see Fig 8-2). The slot must be positioned so that it will fall under the threaded hole on the housing (see Fig 8-3) and the long and short side of the bearing will be in the desired location on completion of the assembly. Roll the chilled bearing into the housing using a round bar that is as close to the bore dimension as possible. This will prevent damage to the bore. It is much easier to avoid damage with a plastic or wooden bar.



Fig 8-2

Step 3 Install two setscrews through the housing - the 1st setscrew will make contact with the bottom of the slot in the bearing and then will be reversed 1 full turn. The 2nd setscrew will go on top of the 1st to lock it in place and to fill up the hole (see Fig 8-4).

To mount bearing onto equipment follow directions on page U-9.



Fig 8-3



Fig 8-4

See pages U-18 thru 22 for Special Application Conditions

Mounted Bearings

Installation of mounted bearings onto equipment



Note There are TWO setscrews through the outside of the EDT housing and both are preset at the factory and do not require field adjustment.

Step 1 Mount bearing and housing assembly onto machine. Bolt pressure should not exceed 25-30 foot/pounds of torque no matter what kind of housing (polymer, stainless steel and standard cast metal) you are mounting.

Bolt pressure should not exceed 25–30 foot-pounds of torque.

All housings (steel and polymer) should be installed with a flat washer under the hex head of the bolt. Use of a lock washer is at the discretion of the installer and should be mounted **above** the flat washer (see Fig 9-1).

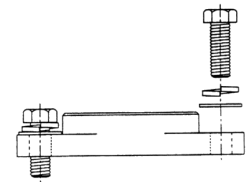


Fig 9-1

Step 2 Slide locking sleeve into the bearing and place it against the side of the bearing. On Poly-Round® units, locking sleeve may thrust against either side of the insert where it will not run against metal; on All-Round® units, locking sleeve must thrust against flange of polymer bearing.

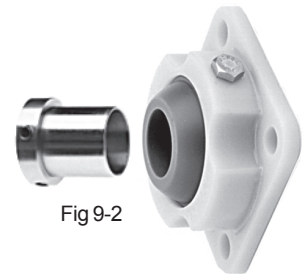


Fig 9-2

Leave a .005 gap (paper thickness) between the SS flange of the locking sleeve and the side of the bearing (see Fig 9-2).

Mount bearing and housing assembly onto machine. Slide locking sleeve into bearing bore and against the side of the bearing. Leave a .005 gap (paper thickness) between the SS flange of the locking sleeve and the side of the bearing (see Fig 9-3).

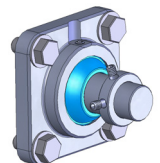


Fig 9-3

Step 3 After the bearings are mounted, and before drives and belts (or other devices) are installed, make sure that the shaft freewheels inside the bearings. If not, the bearing must be adjusted inside the housing to better align with shaft. Attach drive mechanisms and belts only after shaft freewheeling is confirmed.

Step 4 Run equipment. EDT Poly-Round® bearings will run warmer than ball bearings but should never run so warm that you cannot hold your hand on the bearing. If it runs warmer than your hand can tolerate, and Step 3 above has been accomplished, refer to the Troubleshooting Guide on page U-26. EDT welcomes your call to the factory for troubleshooting or other assistance.

See pages U-18 thru 22 for Special Application Conditions