

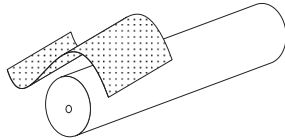
2000 Series Installation Guide



...Since 1890

Spherical Roller Bearings
Collar Mounted Units
JA, JE, JYR, JYRP, JN, JT

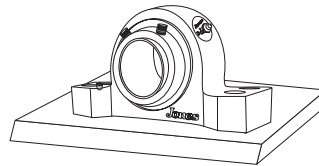
Step 1.



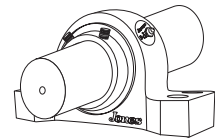
Check shaft diameter.* Remove any burrs on shaft with an emery cloth or fine file.

Step 2.

Make sure housing and support surface are clean and flat. Adjust elevations and shim if required.

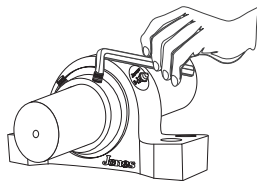


Step 3.



Position shaft into block and align to correct location. Bolt housing securely to mounting surface.

Step 4.



Tighten each of the set screws alternately with an Allen wrench until they stop turning and the wrench starts to spring. The spring in the wrench is more easily seen when using an extension.

Shaft Sizes	Set Screw number size	Torque	Permissible Axial Load
		In-lbs	lbs
1 7/16 to 2 3/16	(2) 3/8" -24	250	515
2 7/16 to 3 1/2	(2) 3/8" -20	620	900
3 11/16 to 4	(2) 5/8" -18	1325	1200
4 7/16 to 4 15/16	(4) 5/8" - 18	1325	2400

****CAUTION:** Proper tightening of set screws is required to achieve adequate bearing service life and axial location avidity.

Fig. A

Step 5.

Fig. B

Jones Bearings are shipped from the factory as non expansion units. Most power transmission applications for mounted roller bearings do not require expansion units. However, in the event that expansion capability is required, all Jones 2000 Series mounted bearings can be easily converted to expansion units after installation by removing the backside snap ring. (see Fig. B)

Fixed Unit

All bearings are shipped from factory as fixed units unless otherwise specified.

Expansion Unit

Remove Snap Ring "S" to make unit expansion type (when required).

* Recommended Shaft Tolerances

SHAFT SIZE (inches)	Tolerances (inches)
1/2 to 1 15/16	+.0000/- .0005
2 to 3 1/8	+.0000/- .0010
3 3/16 to 5	+.0000/- .0015

Bearing Bore Tolerances

SHAFT SIZE (inches)	Tolerances (inches)
1 1/8 to 1 7/16	+.0010/ - .0000
1 1/2 to 3	+.0010/ - .0000
3 3/16 to 3 15/16	+.0020/ - .0000
4 to 5	+.0020/ - .0000