

⚠ WARNING Indicates a hazard which, if not avoided, could result in serious injury or death.

⚠ CAUTION Indicates a hazard which, if not avoided, could result in minor or moderate personal injury.

⚠ WARNING

- Read and follow all instructions carefully.
- Disconnect and lock-out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.

⚠ CAUTION

- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury.

Step 1: Inspect Shaft

- Clean/remove burrs
- Check shaft diameter. See Table 1
- Clean mounting surface
- Mounting surfaces must be flat



Table 1

Shaft diameter (inch)	Tolerance (inch)
1/2 - 1 15/16	+0.000 / -0.0005
2 - 2 7/16	+0.000 / -0.0010

Step 2: Place bearing on shaft

- Apply light film of oil on shaft
- Slide, do not hammer, bearing onto shaft



Table 2

Shaft diameter	Setscrew diameter	Hex size across flats	Recommended torque (inch lbs)
1 - 1 1/4R	1/4 - 28	1/8	66 - 85
1 1/4 - 1 3/4	5/16 - 24	5/32	125 - 165
1 15/16 - 2 7/16	3/8 - 24	3/16	230 - 300

Step 3: Bolt housing to structure

- Install housing mounting bolts
- Align bearing and shaft (1 1/2" max)
- Tighten bolts to recommended fastener torque
- Rotate shaft to make sure it rotates

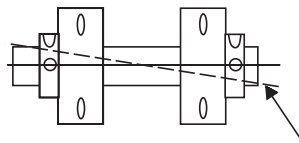
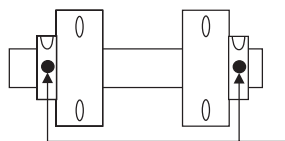


Table 3

shaft diameter (inch)	thread size	torx size	recommended torque (inch lbs)
1 - 1 1/4R	8 - 32	T-25	70
1 1/4 - 1 3/4	10 - 24	T-27	100
1 13/16 - 2 3/16	1/4 - 20	T-30	240
2 1/4 - 2 7/16	5/16 - 18	T-45	495

Step 4a: Setscrew locking (Alignment)

- Align setscrews on both bearings in line



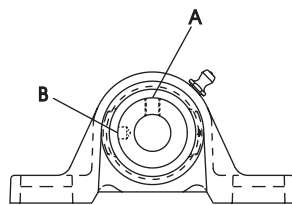
Note: The tables below are general recommendations. Experience and testing may be required for specific applications.

Table 4: RELUBRICATION FREQUENCY

Environment	Temperature (°F)	Speed (% Catalog Max)	Frequency
Dirty	-20 to 200	0 - 100%	Daily to 1 Week
		0 - 25%	4 to 10 Months
Clean	-20 to 125	26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
		0 - 25%	2 to 6 Weeks
	125 to 175	26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
76 - 100%			
175 to 200	0 - 100%		

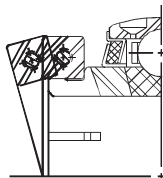
Step 4a: Setscrew locking (tighten screws)

- Step 1: Torque setscrew "A" to 1/2 recommended torque. See Table 2
- Step 2: Torque setscrew "B" to full recommended torque. See Table 2
- Step 3: Torque setscrew "A" to full recommended torque. See Table 2



Step 4b: Skwezloc® Locking

- Hold collar against inner ring shoulder
- Tighten capscrew to recommended torque. See Table 3



Step 5: End cover installation

- Position cap so it is level with the housing
- Align remove nub in 12 o'clock position
- Press evenly on end of cap by hand



Relubrication

Sealmaster Material Handling ball bearings are delivered with high quality lithium complex grease with NLGI 2 consistency and a plug in the housing where no additional lubrication is needed prior to use. If relubrication is desired, replace plug with grease fitting and refer to tables 4-6.

Table 5: relube amount

Shaft Size	Grease Charge (Mass - Ounces)
13/16 - 1	0.03
1 1/16 - 1 1/4S	0.06
1 1/4 - 1 7/16	0.09
1 1/2 - 1 9/16	0.14
1 5/8 - 1 3/4	0.16
1 13/16 - 2S	0.18
2 - 2 3/16	0.25
2 1/4 - 2 7/16	0.35

Table 6: maximum speed

Bore Size	Speed (RPM)
7/8 - 1	5500
1 1/6 - 1 1/4S	4500
1 1/4 - 1 7/16	4000
1 1/2 - 1 9/16	3500
1 5/8 - 2S	3000
2 - 2 7/16	2500