

## RELUBRICATION OF MOUNTED UNITS

BL mounted bearing inserts are pre-lubricated at the factory and ready for operation. Proper relubrication of bearings can greatly increase bearing life. Optimal relubrication intervals are determined by application speed and operating environment. BL units should be relubricated with NLGI #2 grease that is

compatible with a lithium thickener and mineral oil base and can operate in a range of  $-4^{\circ}$  to  $250^{\circ}$  Fahrenheit. Below are general guidelines for relubrication intervals. However, application experience should dictate optimal intervals.

dn Value	Environmental Conditions	Operating Temperature	Interval
Up to 40,000	Ordinary	5 to 150	6-12 months
Up to 40,000	Ordinary	150 to 210	2-6 months
40,000 to 70,000	Ordinary	5 to 150	2-6 months
40,000 to 70,000	Ordinary	150 to 210	Monthly
Up to 70,000	Dirty	5 to 150	Weekly to Monthly
Up to 70,000	Dirty	150 to 210	Daily to 2 Weeks
Up to 70,000	Very Dirty	Any	Daily to Weekly
Up to 70,000	Very Dirty	Any	Daily

d = inner ring diameter (mm)  
n = speed in RPM

### GREASE FILL AMOUNTS

Appropriate grease fill will assume maximum life. Care should be taken not to overfill bearing as this will cause overheating and unseating of the seals. Grease should be applied under low pressure during slow shaft rotation for optimal distribution. The table on the right shows suggested grease fill amounts. However, application experience should dictate.

Bore Size	Grease Amount
Up to 1"	1.5 – 2 grams
1 1/8 to 1 1/2"	2.5 – 3 grams
1 7/16 to 2 7/16"	4 – 5 grams
2 1/2 to 3 1/2"	7 – 8 grams

### GREASE TYPES

BL bearings are lubricated with standard greases that are suitable for a wide variety of applications, speeds and temperatures. Special greases are available for unique or special applications or

environments. Below is a short list of standard and special greases available in BL ball bearings and mounted units.

Grease Name	Dropping Point	Penetration 60X	Thickener	Temperature Range	Features
Shell Alvania RL2	385	284	Lithium	-30 to 275	Low Noise, General Purpose & Electric Motors, Replaces Alvania 2/3
Mobil Polyrex EM	550	284	Polyurea	-40 to 350	Electric Motor Grease, High Temperature, Low Noise
Chevron SRI-2	470	280	Polyurea	-20 to 350	High Temperature, Excellent Rust Protection
Mobil FM102	400	280	Aluminum Complex	-20 to 275	Food Grade, Grease and Water Resistant, Corrosion Protection
Lithium Based #2	385	275	Lithium	-4 to 250	General Purpose, Low Noise
Dow Corning Molycote 44	432	300	Lithium	-40 to 400	High Temperature

