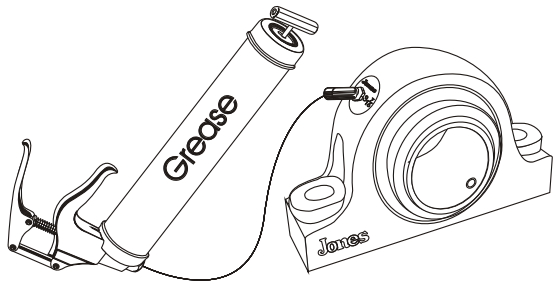
Lubrication Guide

Jones
....Since 1890

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

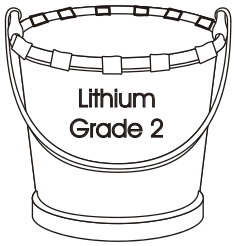


Method

All Jones Mounted Units are shipped pre-lubircated with enough grease for initial operation. Units are also supplied with a grease fitting for relubrication. It is recommended that bearings be lubricated while running. Caution should be used with high pressure grease guns or automatic lubrication equipment where high pressure could blow out or damage seals.

Type of Grease

All mounted units come with a lithium soap based grease, NLGI 2 consistency. In general, this type of grease is good for temperatures up to 200° F. This type of grease is very common and readily available from local suppliers. Consult Jones for high temperature or special application lubrication. Both frequency and quantity of lubrication are very important and can vary depending on speed or environment. Consult charts below for specific application information.



Speed	Temperature	Environment	Frequency
100 Rpm	- 125 F	Clean	4 Months
500 Rpm	- 150 F	Clean	2 Months
1000 Rpm	- 200 F	Clean	2 Weeks
1500 Rpm	+150 F	Clean	Weekly
All Speeds	- 150 F	Dusty	1 to 4 Weeks
All Speeds	+150 F	Dusty	Daily to Weekly
All Speeds	All	Very Dirty	Daily to Weekly
All Speeds	All	Hostile	Daily to Weekly

Lubrication Frequency Guidelines

The frequency of lubrication depends on the application and envisionment. This chart provides general guidelines for the lubrication rate of Jones bearings. Although it is generally an adequate guide for grease lubrication, these rates can vary depending on other circumstances like moisture or chemicals present, or with the type of grease selected for various applications.

Recommended Relubrication

The table at right gives the rate of relubrication for Jones mounted bearings as supplied with NLGI grade 2 grease and operating within the temperature range of -30°F to +200° F . Bearings should be relubricated while running for even distribution. Seals are designed to be grease purge able under low pressure application. Excess grease should be allowed to collect at the seasl for extra protection against contaminants. Consult Jones for special seals or applications where excess moisture, corrosion, or extreme conditions exist .

Shaft Size (inches)	Grease Rate (ounces)
1 3/8 to 1 7/16	.22
1 ½ to 1 11/16	.32
1 ¾ to 2	.50
2 to 2 3/16	.55
2 ¼ to 2 ½	.65
2 11/16 to 3	.85
3 3/16 to 3 ½	1,25
3 15/16 to 4	2.50
4 7/16 to 4 ½	3.10
4 ½ to 4 15/16	4.00