

# Grease Lubrication Schedule

## Link-Belt Ball Bearing Units – Series 200

Lubrication Guidelines for Horizontal Shaft, Grease Lubricated Fan, Blower or Other High Speed Rotating Equipment

Relubrication Interval				6 months	4 months	2 months	1 month
Shaft size range		Amount of grease		Operating speed (RPM)			
Inches	MM	IN <sup>3</sup>	CM <sup>3</sup>	Up to	Up to	Up to	Up to
1/2 - 1	17-25	0.12	2.0	3200	4800	7200	9600 <sup>(1)</sup>
1 1/16 - 1 7/16	30-35	0.30	4.9	2200	3400	5100	6800 <sup>(1)</sup>
1 1/2 - 1 3/4	40-45	0.45	7.4	1700	2600	4000	5300 <sup>(1)</sup>
1 7/8 - 2 3/16	50-55	0.52	8.5	1400	2100	3200	4300 <sup>(1)</sup>
2 1/4 - 2 7/16	60	0.56	9.2	1300	2000	3000	4000 <sup>(1)</sup>
2 1/2 - 3 <sup>(2)</sup>	65-75	1.36	22.3	1000	1600	2400	3200
3 1/16 - 3 1/2 <sup>(2)</sup>	85	2.24	36.7	900	1400	2100	2800
3 9/16 - 4 <sup>(2)</sup>	100	5.00	81.9	800	1200	1800	2300

Lubricate with a premium quality NLGI 2 or 3 grade multi-purpose ball bearing grease having corrosion inhibitors, anti-oxidant additives and mechanical stability for high speed operation. The grease should also have a minimum base oil viscosity of 500 SUS at 100° F and be suitable to operate continuously at 225° F. Do not use a heavy, long fibered grease.

Some suggested greases are:

- Shell Alvania Grease 2 or 3
- Gulfcrown Grease No. 2 or 3
- Texaco 1939 Premium RB

These units are prelubricated with a multi-purpose Lithium soap grease. When relubricating with greases of different types (especially synthetic soaps or oils) complete flushing is recommended.

The presence of dirt, moisture or chemical fumes around the bearings requires more frequent lubrication. Ambient temperatures below 20° F or above 200° F will require special lubricants. Consult the machinery manufacturer for recommendations.

When vibration exceeds 1 to 2 mils, frequent lubrication is required and a need for equipment rebalancing is indicated.

Fill bearings with lubricant prior to extended shutdown or storage. Rotate the shaft several revolutions each month during idle periods.

<sup>(1)</sup> For these speeds, use H sealed units only.

<sup>(2)</sup> It is possible to dislodge the seals on these units if grease is added too fast. It is preferable to use a hand gun or a regulated automatic system.

These guidelines are for applications approved by Link-Belt Bearing Operation, Indianapolis, Indiana 46206.

