

DL Fan and Blower Pillow Blocks

Instruction Manual

These instructions must be read thoroughly before installation or operation. This instruction manual was accurate at the time of printing. Please see dodgeindustrial.com for updated instruction manuals.

WARNING: To ensure the drive is not unexpectedly started, turn off and lock-out or tag power source before proceeding. Failure to observe these precautions could result in bodily injury.

WARNING: All products over 25 kg (55 lbs) are noted on the shipping package. Proper lifting practices are required for these products.

INSTALLATION

1. Clean shaft and bore of bearings.
2. Slide Pillow Block into position.
3. Make sure collar is square and tight against shoulder on inner ring. Tighten cap screw to recommended torque (Table 1).
4. On the other end, push collar against inner ring while pulling on the shaft. Simultaneously tighten cap screw to recommended torque (Table 1).

WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed. Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by Dodge® nor are the responsibility of Dodge. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

Table 1–Recommended Torque

Series	Shaft Size	Cap Screw		Hold Down Bolts	
		Size	Torque Required (lb-in)	Size	Torque Required (lb-in)
205	15/16, 1	10-32 UNF	90	3/8	240
206	1-1/8, 1-3/16	10-32UNF	90	3/8	240
207	1-1/4, 1-3/8, 1-7/16	1/4-28 UNF	180	1/2	600
209	1-11/16, 1-3/4	1/4-28 UNF	180	1/2	600
210	1-15/16	14/-28 UNF	180	5/8	1200
211	2-3/16	5/16 UNC	400	5/8	1200

LUBRICATION

This bearing is factory lubricated with a lithium or lithium complex* base grease which is suitable for most applications. However, extra protection is necessary if the bearing is subjected to excessive moisture, dust, corrosive vapor or other harsh environments. In these cases, the bearing should contain as much grease as speed will permit (a full bearing with consequent slight leakage through the seal is the best protection against contaminant entry).

For relubrication, select a grease that is compatible with a lithium or lithium complex* grease. Table 2 is a general guide for normal operating conditions. However, some situations may require a change in lubricating periods as dictated by experience. Generally, a lower quantity of grease at frequent intervals is more effective than a greater quantity at extended lubrication intervals.

Lubrication recommendations are intended for standard products applied in general operating conditions. For modified products, high temperature environments and other anomalous applications, contact product engineering at 864.284.5700.

Successful operation is dependent upon adequate lubrication. Precaution should be taken during handling and recycling grease, oil, or water glycol mixtures.

NOTE: Dodge EZ Kleen ball bearing product line is lubricated with an aluminum complex base grease.

Table 2–Lubrication Guide
Suggested Lubrication Period in Weeks

Hours Run Per Day	1 to 25 RPM	251 to 500 RPM	501 to 750 RPM	751 to 1000 RPM	1001 to 1500 RPM	1501 to 2000 RPM	2001 to 2500 RPM	2501 to 3000 RPM
8	12	12	10	7	5	4	3	2
16	12	7	5	4	2	2	1	1
24	10	5	3	2	1	1	1	1

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