

BLOWER PARTS & ACCESSORIES



Bearings

OIL SLEEVE BEARINGS

(Replaces Brundage)

Self-oiling with sintered bronze bushings and drive type oil cups.

Sleeve-type bearings require thrust collar kit.



Part No. / Pair*	Shaft Dia.	O.D.*
38269601	3/4"	2 ¹ / ₁₆ "
38269701	1"	2 ¹ / ₁₆ "

*O.D. as measured over rubber cushion.

CARTRIDGE TYPE SLEEVE BEARINGS

Designed to give you fast, easy interchangeability. It will fit any "spider type" bracket used on 9", 10" & 12" blowers.

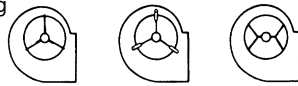
Sintered bronze bushing pressed into steel bearing caps and cushioned in heavy neoprene conductive rubber.

Factory packed with lubricant for many years of quiet, trouble-free service. The Cartridge Bearing with a Journal may permit use of old shaft.

No thrust collar kit needed.



Cartridge Bearing with Journal



Types of "Spider" Brackets

Part No. / Pair*	Shaft Dia.	O.D.*
38209101 Mark IV	3/4" w/ thrust & spacer	1 ¹³ / ₁₆ "
38227201 Mark III	3/4" w/ journal	1 ¹³ / ₁₆ "
38209001	1"	1 ¹³ / ₁₆ "

*O.D. as measured over rubber cushion.

OIL TYPE - SLEEVE BEARINGS WITH INSULATOR

Self-aligning, self-oiling with sintered bronze bushings and drive type oil cups.

Sleeve-type bearings require thrust collar kit.



Part No. / Pair*	Shaft Dia.	O.D.*
38245001	3/4"	1 ²⁷ / ₃₂ "
38244901	1"	1 ²⁷ / ₃₂ "
38209401	1" Heavy Duty	2 ¹ / ₂ "

*O.D. as measured over rubber cushion.

Re-lubricate with SAE 20 or 30 weight oil. (Due to wicking, may need to oil at time of installation.)

+ All Bearings on this page shipped in pairs.

"LAU-PAK" - SLEEVE SEALED TYPE BEARINGS WITH INSULATOR

Factory packed with a supply of plastic petroleum assuring proper lubrication during the long life of the bearing.

Self-aligning, porous bronze sleeve pressed in housing.

Sleeve-type bearings require thrust collar kit.



Part No. / Pair*	Shaft Dia.	O.D.*
38244301	5/8"	1 ¹³ / ₁₆ "
38244302	3/4"	1 ¹³ / ₁₆ "
38244303	1"	2 ¹ / ₂ "

*O.D. as measured over rubber cushion.

"Lau Pack" and Oil Type may be used to replace bearings in blowers similar to those on Page 36

LAU OIL TYPE - SLEEVE BEARINGS WITH INSULATOR

Self-aligning, self-oiling, with bronze bushing held in housing under light, uniform spring presser, providing uniform distribution of lubricant through pores of bushing.

Drive type oil cup.

Sleeve-type bearings require thrust collar kit.



Part No. / Pair*	Shaft Dia.	O.D.*
38240401	5/8"	1 ¹³ / ₁₆ "
38244201	3/4"	1 ¹³ / ₁₆ "
38244202	1"	2 ¹ / ₂ "

*O.D. as measured over rubber cushion.

Shipped dry. Lubricate at time of installation with SAE 20 or 30 weight oil.

"Lau Pack" and Oil Type may be used to replace bearings in blowers similar to those on Page 36.

SEALED SLEEVE BEARINGS (Replaces Brundage)

Self-aligning, factory packed with a supply of plastic petroleum assuring proper lubrication during life of bearing.

Temperature Range for Sleeve Bearings: 40° - 135°.

Sleeve-type bearings require thrust collar kit.



Part No. / Pair*	Shaft Dia.	O.D.*
38269401	3/4"	2 ¹ / ₁₆ "
38269501	1"	2 ¹ / ₁₆ "

*O.D. as measured over rubber cushion.

For HP, RPM and Temperature Limits see chart on Page 58.

Specifications are subject to change without notice or obligation

Bearings

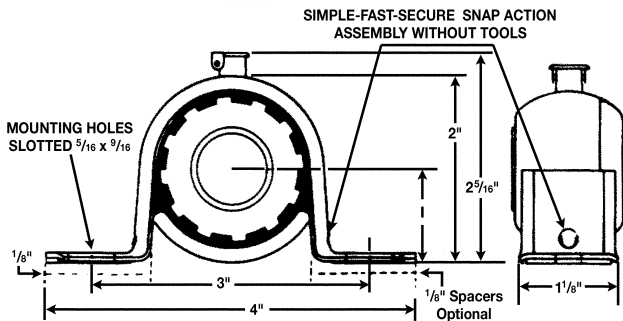
PILLOW BLOCK SLEEVE BEARINGS



Heavy neoprene cushion. Re-oilable porous bronze bushing in a pressed steel ball unit held firmly in a housing of two-piece interlocking steel.

This high quality self-aligning, static free, pillow block will assure quiet operation and many years of trouble-free performance.

Thrust collar kit required.



For use on Horizontal Shaft applications only

Part No. Per Pair*	Shaft Diameter
38220401	5/8"
38208601	3/4"
38208701	1"
38209301*	1" Heavy Duty

*Dimensions for the Heavy Duty Pillow Block are: Mounting Holes on Center 3 1/2"; Base to Shaft Center 1 1/8"; Width 1 1/2".

Two 1/8" rubber spacers provided for use, if needed.

PILLOW BLOCK BALL BEARINGS



Temperature Range: -30 to 200°F

- Durable cast-iron construction.
- Pre-lubricated bearings.
- Re-greasable.

Part No. Per Pair*	Shaft Dia.	Spread		Hole Size	O.D.*
		Min.	Max.		
38256701	3/4"	3 3/8"	3 7/8"	9/16" x 13/32"	3 5/16"
38256801	1"	3 7/8"	4 1/8"	9/16" x 13/32"	1 7/16"
38256901	1 1/16"	4 1/2"	4 3/4"	3/4" x 9/16"	1 11/16"
38257001	1 1/16"	4 3/4"	5"	3/4" x 9/16"	1 7/8"

*O.D. as measured over rubber cushion.

See instructions on self-locking collars on Page 58.

SEALED TYPE BALL BEARINGS WITH INSULATOR

For use when operating conditions exceed the limits of sleeve bearings or where repetitive failures occur. These bearings are pre-lubricated at the factory and require no further lubrication or attention. They are equipped with seals to retain grease better and to protect against contaminants.



Part No. Per Pair*	Temperature Range °F	Shaft Diameter	O.D.*
38258801	-20 +180	3/4" w/ interlocking thrust collar	1 13/16"
38259001	-20 +180	1" w/ interlocking thrust collar	2 17/32"
38256201	-20 +180	1 3/16" w/ interlocking thrust collar	2 7/32"

*O.D. as measured over rubber cushion.

Tighten locking collar in direction of rotation of shaft (see complete instructions on Page 58).

Sealed type ball bearings with insulator may be used on Lau Industrial blowers and other applications (see Page 36).

FLANGE BALL BEARINGS

Permanently sealed and lubricated with two-bolt flange unit. Rubber mounted with oil-resistant, rubber isolator inside stamped steel housing.



Part No. Per Pair*	Shaft Diameter	Spread	Hole Size	O.D.*
38256501	3/4"	3 3/8"	7/16"	2 41/64"
38256502	1"	3 3/8"	7/16"	2 41/64"

*O.D. as measured over rubber cushion.

TECHNICAL TIP: PILLOW BLOCK BALL BEARINGS ARE PRE-LUBRICATED FROM THE FACTORY. NORMAL OPERATING TEMPERATURE IS FROM -30°F TO 200°F. RE-LUBRICATION IS RECOMMENDED AT 6-12 MONTH INTERVALS UNDER NORMAL OPERATING CONDITIONS (CLEAN ENVIRONMENT AND UNDER 1500 RPM). WHEN RE-GREASING, TAKE CARE NOT TO OVER GREASE. OVER-GREASING CAN CAUSE SEAL BLOW OUT AND/OR BEARING BURNOUT.

BLOWER PARTS & ACCESSORIES



Bearings



Lau-Pak Sealed Sleeve Bearing



Sealed Ball Bearing



Cartridge Bearing



Oil Sleeve Bearing

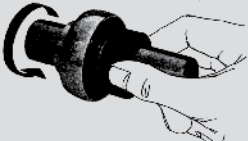
Bearings	Bore Size	Temperature °F		Max. HP	Max. RPM
		Minimum	Maximum		
Sleeve Type	3/4"	+40	+135	3/4	1000
	1"	+40	+135	1	1000
Sealed Ball Bearings	3/4"	-20	+180	3	2200
	1"	-20	+180	7½*	1900
	13/16"	-20	+180	7½*	1900

* Over 3 HP motors use Heavy Duty 1-Piece Bearing Bracket found on Page 55.

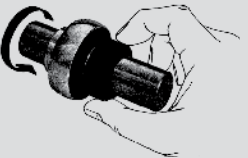
HOW TO INSTALL A SELF-LOCKING COLLAR ON SEALED & PILLOW BLOCK BALL BEARINGS



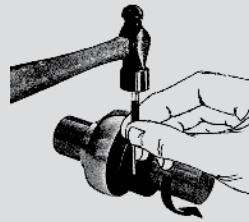
1. Observe cam design of wide inner ring and self-locking collar.



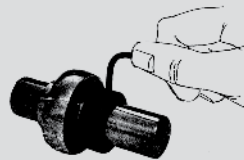
2. Mate cam of collar with cam of bearing inner ring.



3. Pressing collar lightly against inner ring, turn collar in direction of shaft rotation until engaged.



4. With drift pin in collar hole, strike in direction of shaft rotation to lock.

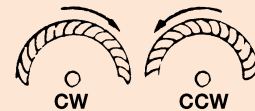


5. Tighten Setscrew in collar.

TECHNICAL TIP:

Below is the formula to determine the blower speed:

- You cannot bench test a blower at free air because it will most likely overload the motor.
- If you double the RPM of a fan or blower you would:
 - Get **twice** the CFM, **four** times the SP and require **eight** times the HP.
- When giving the dimensions of a wheel:
 - First** dimension should be diameter, **second** dimension stated should be width (Diameter x Width).
- Specifying Rotation:
 - Double Inlet Wheel = Viewing Hub Side
 - Single Inlet Wheel = Viewing Back Plate



BLOWER RPM FORMULA

$$\frac{\text{Motor Pulley Diameter}}{\text{Blower Pulley Diameter}} \times \text{Motor RPM}$$