

**NEW! – BOLT ON
BEARING BRACKET**

Replacement Bearing Brackets
for Lau Belt Drive Blower
(see Page 22).

| | |
|-------------------|-----------|
| 9" Blower | 054866-01 |
| 10" Blower | 054867-01 |
| 11" Blower | 054868-01 |
| 12" Blower | 054869-01 |

SERVICE TIP:

See Page 22 for Blower
Dimension information.

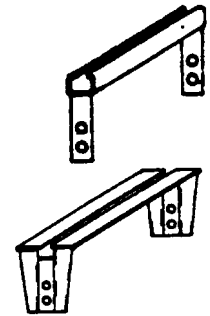
MOTOR MOUNTING BRACKETS FOR BELT DRIVE BLOWERS

MOTOR BRACKET SIZE CHART (MAXIMUM ¾ HP)

| | | | | | |
|---------------|---------------|---------------|---------------|---------------|--------------|
| A9-6 | A9-7 | A9-9 | A10-8 | A10-10 | A12-9 |
| 006902-05 | 006902-04 | 006902-19 | 006902-06 | 006902-07 | 006902-01 |
| A12-12 | A15-11 | A15-15 | A18-13 | A18-18 | |
| 006902-02 | 024677-02 | 024677-03 | 009205-04 | 009205-02 | |

MOTOR BRACKET SIZE CHART (MAXIMUM 1½ HP)

| | | | | |
|-------------|---------------|---------------|---------------|---------------|
| A9-9 | A10-10 | A12-12 | A15-15 | A18-18 |
| 019447-35 | 019447-13 | 019447-03 | 019447-16 | 019447-37 |



DIRECT DRIVE MOTOR MOUNTING BRACKETS

**FLEXIBLE MOUNT "BELLY" BAND
ADAPTER**

Adapts either to a
5" diameter motor
(42-frame), or a 5½"
(48-frame) to mount
on 9" and 10"
Blowers.



| Part Number | Fits |
|-------------|-----------|
| 054074-01 | 5" Motor |
| 054074-02 | 5½" Motor |

MOTOR MOUNTING BRACKET

Supported from the hous-
ing venturi, mounting
brackets are adjusted for
motors 3½" to 6½" in
length and accommodates
a 48-frame motor. Adjusts
to various wheel widths
with the necessary hardware
furnished.



| Part Number for: | |
|-------------------|------------|
| 9" Blower | 38-2514-01 |
| 10" Blower | 38-2515-01 |
| 11" Blower | 02-6126-01 |
| 12" Blower | 02-6126-01 |

**UNIVERSAL MOTOR MOUNTING
BRACKETS**

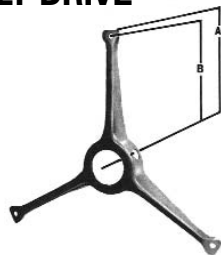
Lau's Universal Motor
Mounting Brackets
accommodate 10"
and 12" Blowers
(includes mounting
hardware).



| Part No. for 42-Frame Motors (5" Dia.) | Part No. for 48-Frame Motors (5½" Dia.) | Blower Sizes |
|--|---|-----------------|
| 028691-01 | 028692-01 | 10" |
| N/A | 054091-01 | 12" |

**BEARING BRACKETS FOR BELT DRIVE
BLOWERS**

| Part No. | Description | A | B | OD* |
|-----------|---------------------------|-----|-----|-----|
| 008960-04 | 18" Belt Drive Blower (1) | 9⅝" | 8⅜" | 2½" |
| 014431-02 | 15" Belt Drive Blower (1) | 7⅜" | 7⅞" | 2½" |
| 015730-01 | 12" Belt Drive Blower (1) | 6⅝" | 6" | 2½" |



**One-Piece Bracket
(sold individually)**

*OD as measured over rubber cushion.

NOTE: 18" version has 2 belt holes on each bracket leg.

KNOCK DOWN BRACKET KIT

For easier installation. Accommodates bearings that
have 1⅞" O.D. (Fits up to 18½" bolt circle.)

| Part No. (Pair) | O.D. of Rubber Cushion |
|-----------------|------------------------|
| 38-2699-01 | 1⅞" |

NOTE: When combined with a pair of ¾" Lau Bearings, can
also replace obsolete flange bearing #38-2082-01.



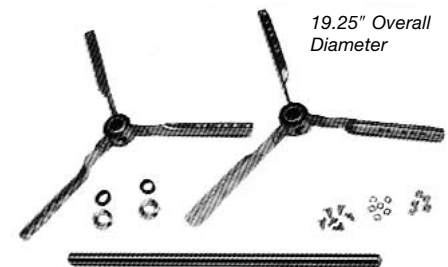
FEATURES:

- Ideal for replacing obsolete pillow blocks and streamlined bearings. Can also be used in some evaporative cooler applications.
- Especially designed to fit most blowers from 9" to 16" sizes.
- Sturdy, compact, 10-gauge steel bearing and bracket – completely assembled and ready to mount.
- Sintered bronze ball assembly securely held in a spherical rubber isolating liner to assure maximum vibration absorption, quiet operation, constant self-alignment and long life.
- Packaged in pairs with shaft and hardware group.

| Part Number | Shaft Diameter | Maximum HP | Shaft Length |
|-------------|----------------|------------|--------------|
| 029175-01* | ¾" | ¾ HP | 20" |
| 029176-01 | 1" | 1 HP | 25" |

*029175-01 also replaces obsolete Part Number 38-2082-01.

SLEEVE BEARING BRACKET KIT



Specifications are subject to change without notice or obligation.

BEARINGS

“LAU-PAK” – SLEEVE SEALED TYPE BEARINGS WITH INSULATOR



Self-aligning, 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.

NOTE: “Lau Pack” and Oil Type may be used to replace bearings in blowers similar to those on Page 22.

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|--------------------|------------|----------|
| 38-2443-01 | 5/8" | 1 13/16" |
| 38-2443-02 | 3/4" | 1 13/16" |
| 38-2443-03 | 1" | 2 1/2" |

*O.D. as measured over rubber cushion.

LAU OIL TYPE – SLEEVE BEARINGS WITH INSULATOR



Self-aligning, self-oiling, with bronze bushing held in housing under light, uniform spring pressure, providing uniform distribution of lubricant through pores of bushing. Drive type oil cup.

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

NOTE: “Lau Pack” and Oil Type may be used to replace bearings in blowers similar to those on Page 22.

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|--------------------|------------|----------|
| 38-2404-01 | 5/8" | 1 13/16" |
| 38-2442-01 | 3/4" | 1 13/16" |
| 38-2442-02 | 1" | 2 1/2" |

*O.D. as measured over rubber cushion.

**SEALED SLEEVE BEARINGS
(Replaces Brundage)**



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

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|--------------------|------------|---------|
| 38-2694-01 | 3/4" | 2 1/16" |
| 38-2695-01 | 1" | 2 1/16" |

*O.D. as measured over rubber cushion.

+ All Bearings on this page shipped in pairs.

NOTE: For HP, RPM and Temperature Limits see chart on Page 46.
Temperature Range for Sleeve Bearings: 40° – 135°.

**OIL SLEEVE BEARINGS
(Replaces Brundage)**



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

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|--------------------|------------|---------|
| 38-2696-01 | 3/4" | 2 1/16" |
| 38-2697-01 | 1" | 2 1/16" |

*O.D. as measured over rubber cushion.

CARTRIDGE TYPE SLEEVE BEARINGS



This cartridge type bearing has been designed to give you fast, easy interchangeability. It will fit any “spider type” bracket used on 9”, 10”, and 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.

Cartridge Bearing with Journal



Types of “Spider” Brackets

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|---------------------|-------------------------|----------|
| 38-2091-01 Mark IV | 3/4" w/ thrust & spacer | 1 13/16" |
| 38-2272-01 Mark III | 3/4" w/ journal | 1 13/16" |
| 38-2090-01 | 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.

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

| Part No. Per Pair* | Shaft Dia. | O.D.* |
|--------------------|---------------|----------|
| 38-2450-01 | 3/4" | 1 27/32" |
| 38-2449-01 | 1" | 1 27/32" |
| 38-2094-01 | 1" Heavy Duty | 2 1/2" |

*O.D. as measured over rubber cushion.

Specifications are subject to change without notice or obligation.

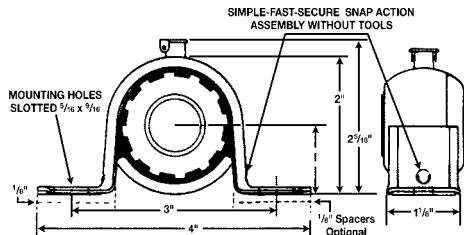
PILLOW BLOCK SLEEVE BEARINGS



Heavy neoprene cushioned, 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.

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



For use on Horizontal Shaft applications only

| Part No. Per Pair* | Shaft Diameter |
|--------------------|----------------|
| 38-2204-01 | 5/8" |
| 38-2086-01 | 3/4" |
| 38-2087-01 | 1" |
| 38-2093-01* | 1" Heavy Duty |

*Dimensions for the Heavy Duty Pillow Block are: Mounting Holes on Center 3 1/2"; Base to Shaft Center 1 3/16"; Width 1 1/2".

PILLOW BLOCK BALL BEARINGS



Temperature Range: -30 to 200°F

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

NOTE: See instructions on self-locking collars on Page 46.

| Part No. Per Pair* | Shaft Dia. | Spread | | Hole Size | O.D.* |
|--------------------|------------|--------|--------|----------------|----------|
| | | Min. | Max. | | |
| 38-2567-01 | 3/4" | 3 5/8" | 3 7/8" | 9/16" x 13/32" | 3 5/16" |
| 38-2568-01 | 1" | 3 7/8" | 4 1/8" | 9/16" x 13/32" | 1 7/16" |
| 38-2569-01 | 1 3/16" | 4 1/2" | 4 3/4" | 3/4" x 9/16" | 1 11/16" |
| 38-2570-01 | 1 7/16" | 4 3/8" | 5" | 3/4" x 9/16" | 1 1/8" |

*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. Under normal operating conditions (clean environment and RPM under 1500) re-lubrication is recommended at 6-12 month intervals. When re-greasing, care should be taken not to over grease as seal blow out and/or bearing burnout can occur.

SEALED TYPE BALL BEARINGS WITH INSULATOR



May be used on Lau Industrial Blowers, shown on Page 22, and other applications.

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 for positive grease retention and protection against contaminants.

NOTE: Tighten locking collar in direction of rotation of shaft (see complete instructions on Page 46).

| Part No. Per Pair* | Temp. Range °F | Shaft Diameter | O.D.* |
|--------------------|----------------|---------------------------------------|----------|
| 38-2588-01 | -20 +180 | 3/4" w/ interlocking thrust collar | 1 13/16" |
| 38-2590-01 | -20 +180 | 1" w/ interlocking thrust collar | 2 17/32" |
| 38-2562-01 | -20 +180 | 1 3/16" w/ interlocking thrust collar | 2 17/32" |

*O.D. as measured over rubber cushion.

FLANGE BALL BEARINGS



Permanently sealed and lubricated, two-bolt flange unit, rubber mounted oil-resistant, rubber insulator. Stamped steel housing.

| Part No. Per Pair* | Shaft Dia. | Spread | Hole Size | O.D.* |
|--------------------|------------|--------|-----------|----------|
| 38-2565-01 | 3/4" | 3 5/8" | 7/16" | 2 41/64" |
| 38-2565-02 | 1" | 3 5/8" | 7/16" | 2 41/64" |
| 38-2566-01 | 1 3/16" | 4 3/8" | 1/2" | 3 1/4" |

*O.D. as measured over rubber cushion.

FLANGE TYPE SLEEVE BEARING



38-2082-01 is obsolete. However, it can be replaced with Bearing Bracket Kit #029175-01, or #38-2699-01 (see Page 44), and one pair of Lau bearings (Permanently Sealed #38-2443-02, or Oil Type #38-2442-01 (see Page 43).

+ All Bearings on this page shipped in pairs.

NOTE: For HP, RPM and Temperature Limits, see chart on Page 46. When replacing bearings, be sure to replace the shaft.

Specifications are subject to change without notice or obligation.

BEARINGS

Application & Installation



Lau-Pak Sealed Sleeve Bearing



Sealed Ball Bearing



Cartridge Bearing



Oil Sleeve Bearing

| Bearings | Bore Size | Temp. °F | | Max. HP | Max. RPM |
|----------------------|-----------|----------|------|---------|----------|
| | | Min. | Max. | | |
| 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 | 7 1/2* | 1900 |
| | 1 3/16" | -20 | +180 | 7 1/2* | 1900 |

* Over 3 HP motors use Heavy Duty 1-Piece Bearing Bracket found on Page 43.

**HOW TO INSTALL SELF-LOCKING COLLAR
ON THE SEALED AND PILLOW BLOCK BALL BEARINGS**



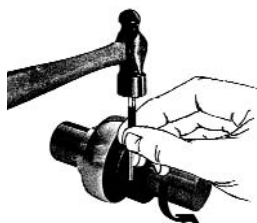
1. Observe cam design of wide inner ring and self-locking collar.



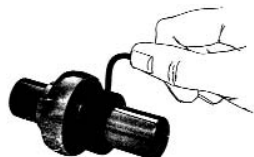
2. Mate cam of collar with cam of bearing inner ring.



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.

Specifications are subject to change without notice or obligation.

THRUST SLEEVE & SPACER KIT



Developed to eliminate end play on sleeve bearing blowers. Replaces old style spring design. Plastic sleeve with assortment of spacers make adjustment easy on any size blower. Easy-to-follow instructions included. Available in 3/4" shaft size only.

| Part No. | Per Pair* | Shaft Diameter |
|------------|-----------|----------------|
| 38-2203-01 | | 3/4" |

THRUST COLLAR KIT



Sheet metal thrust collar in 3/4", 5/8" and 1" size. All with hollow head (Allen) setscrews. Kit consists of one pair packaged with thrust washers. Order by part number.

| Part No. | Per Pair* | Shaft Diameter |
|------------|-----------|----------------|
| 38-2431-01 | | 5/8" |
| 38-2206-01 | | 3/4" |
| 38-2207-01 | | 1" |

THRUST SPACER KIT



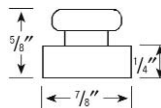
Packaged 12 per bag.

| Part No. | Per Doz. | Shaft Diameter |
|------------|----------|----------------|
| 38-2491-01 | | 5/8" |
| 38-2491-02 | | 3/4" |
| 38-2491-03 | | 1" |

VIBRO-PADS - 5/16" HOLE

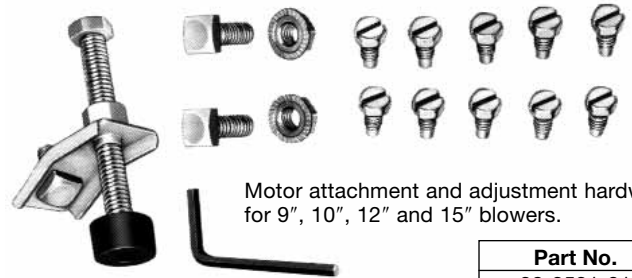


Resilient rubber pads snap easily into place. Reduces vibration, wear and noise on blowers, fans, motors, etc. (packaged 12 per bag). Order by part number.



| Part No. | Per Doz. |
|------------|----------|
| 38-2209-01 | |

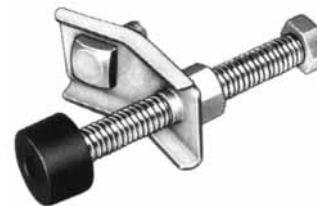
MOTOR MOUNTING HARDWARE KIT



Motor attachment and adjustment hardware for 9", 10", 12" and 15" blowers.

| Part No. |
|------------|
| 38-2521-01 |

MOTOR ADJUSTMENT KIT



Tailpiece assembly for proper belt tension adjustment.

| Part No. |
|------------|
| 38-2523-01 |

MOTOR ADJUSTMENT GROMMETS



Resilient rubber tips for use with tailpiece assembly to reduce motor vibration and noise.

| Part No. |
|------------|
| 38-2525-01 |

Pack of 6.

SHAFTS



When a bearing fails, the shaft is inevitably scored. If not replaced, it will destroy the new bearings. Premium shafting is ground and polished 1018 cold rolled steel. **Excess shaft may be cut off.** (Keyways and/or Flats are to be added as required in the field.)

| Part No. | Diameter | Length | Shaft |
|------------|----------|--------|-------|
| 38-2205-01 | 5/8" | 20" | Solid |
| 38-2096-01 | 3/4" | 20" | Solid |
| 38-2693-01 | 3/4" | 35" | Solid |
| 38-2095-01 | 1" | 25" | Solid |
| 38-2492-01 | 1" | 35" | Solid |

+ Thrust Sleeve & Spacer Kit and Thrust Collar Kit on this page shipped in pairs.

NOTE: When replacing bearings, be sure to replace the shaft.

Specifications are subject to change without notice or obligation.

BELTS & PULLEYS

**VARIABLE PITCH MOTOR PULLEYS FOR
4L OR A BELTS**



FEATURES

- Precision built for perfect balance, assuring smooth, quiet, vibrationless performance.
- Permits speed variation of approximately 30%.
- Grooves are accurately finished for proper belt seating, insuring maximum drive efficiency and long belt life.
- Corrosion resistant finish.
- Tested for true running (standard keyway on all sizes except 1/2".) See chart below.

| Part No. (ea.) | Shaft Size* | O.D. |
|----------------|-------------|------------------|
| 270-069-01* | 1/2" | 3 1/4" Cast Iron |
| 270-072-01 | 5/8" | 3 1/4" Cast Iron |
| 270-089-17* | 1/2" | 4" Cast Iron |
| 270-089-12 | 5/8" | 4" Cast Iron |
| 024768-09 | 1/2" | 3 1/4" Die Cast |
| 024768-10 | 5/8" | 3 1/4" Die Cast |
| 024768-01 | 3/4" | 3 1/4" Die Cast |
| 024768-02 | 5/8" | 3 1/2" Die Cast |
| 024768-03 | 3/4" | 3 1/2" Die Cast |
| 024768-04 | 3/4" | 4" Die Cast |
| 024768-05 | 1" | 4" Die Cast |
| 024768-06 | 5/8" | 4 1/2" Die Cast |
| 024768-07 | 3/4" | 4 1/2" Die Cast |
| 024768-08 | 1" | 4 1/2" Die Cast |

*No keyway on 1/2" sizes.

BLOWER PULLEYS (FIXED PITCH)



Whether steel, die cast, or cast iron, all pulleys are tested for smooth, true running to insure quiet operation and long belt life.

NOTE: For applications over 1 HP, use cast iron pulleys.

| Part No. | Shaft* Size | Dia. | Material* |
|------------|----------------|------|-----------|
| 38-2507-01 | 5/8" | 5" | Steel |
| 38-2213-01 | 3/4" | 5" | Steel |
| 38-2615-01 | 1" | 5" | Steel |
| 38-2508-01 | 5/8" | 6" | Steel |
| 38-2214-01 | 3/4" | 6" | Steel |
| 38-2446-01 | 1" | 6" | Steel |
| 38-2509-01 | 5/8" | 7" | Steel |
| 38-2215-01 | 3/4" | 7" | Steel |
| 38-2216-01 | 1" | 7" | Steel |
| 38-2510-01 | 5/8" | 8" | Steel |
| 38-2217-01 | 3/4" | 8" | Steel |
| 38-2218-01 | 1" | 8" | Steel |
| 38-2511-01 | 5/8" | 9" | Steel |
| 38-2219-01 | 3/4" | 9" | Steel |
| 38-2220-01 | 1" | 9" | Steel |
| 38-2512-01 | 5/8" | 10" | Steel |
| 38-2221-01 | 3/4" | 10" | Steel |
| 38-2222-01 | 1" | 10" | Steel |
| 38-2616-01 | 1" | 11" | Steel |
| 38-2617-01 | 1" | 12" | Steel |
| 38-2618-01 | 1" | 14" | Steel |
| 38-2601-01 | 3/4" | 6" | Die Cast |
| 38-2602-01 | 3/4" | 7" | Die Cast |
| 38-2602-02 | 1" | 7" | Die Cast |
| 38-2603-01 | 3/4" | 8" | Die Cast |
| 38-2603-02 | 1" | 8" | Die Cast |
| 38-2604-01 | 3/4" | 9" | Die Cast |
| 38-2605-01 | 3/4" | 10" | Die Cast |
| 38-2605-02 | 1" | 10" | Die Cast |
| 38-2606-01 | 3/4" | 11" | Die Cast |
| 38-2606-02 | 1" | 11" | Die Cast |

*Steel pulleys do not have keyways.

FHP 4L-V-BELTS - 1/2"

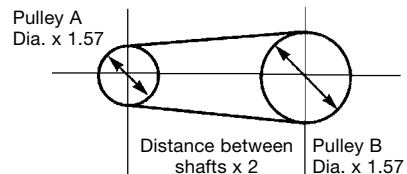


Features that mean longer service and lower costs!

FEATURES

- Rubber impregnated canvas cover gives resistance to oil, heat, fire and static conductivity.
- Tension cords are fused with a specially compounded formula for perfect adhesion.
- Compression section designed to transmit wedging pressure from tension cords to the pulley groove.

| Part No. | Length | Part No. | Length |
|------------|--------|------------|--------|
| 38-2630-01 | 30" | 38-2241-01 | 41" |
| 38-2631-01 | 31" | 38-2242-01 | 42" |
| 38-2632-01 | 32" | 38-2243-01 | 43" |
| 38-2633-01 | 33" | 38-2244-01 | 44" |
| 38-2234-01 | 34" | 38-2245-01 | 45" |
| 38-2235-01 | 35" | 38-2246-01 | 46" |
| 38-2236-01 | 36" | 38-2247-01 | 47" |
| 38-2237-01 | 37" | 38-2248-01 | 48" |
| 38-2238-01 | 38" | 38-2249-01 | 49" |
| 38-2239-01 | 39" | 38-2250-01 | 50" |
| 38-2240-01 | 40" | | |



BELT LENGTH FORMULA

$$\begin{aligned}
 & \text{Pulley A} \times 1.57 \\
 + & \text{Pulley B} \times 1.57 \\
 + & \text{Distance between shafts} \times 2 \\
 = & \text{Belt Length}
 \end{aligned}$$

Specifications are subject to change without notice or obligation.