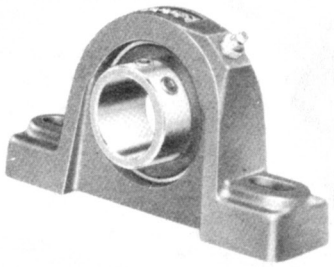
BEARINGS, SHEAVES, SPROCKETS & V-BELTS

Bearings

SC Pillow Block Bearing

Normal duty SC Pillow Blocks meet the demand for a precision built ball bearing pillow block for small shafts and moderate loads. Rugged gray iron housing, designed to be exceptionally strong. Seals are made of a composition nylon for wear resistance and flexibility. Very low running friction. Designed to resist seal blow-out during relubrication. Completely assembled, pre-lubricated and shaft ready with bore tolerances of +.001″-.000″.

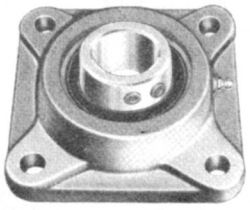
SHAFT SIZE			
1/2″	1-1/16″	1-7/16″	2″
5/8″	1-1/8″	1-1/2″	2-3/16″
3/4″	1-3/16″	1-5/8″	2-1/4″
7/8″	1-1/4″	1-11/16″	2-7/16″
15/16″	1-5/16″	1-3/4″	2-15/16″
1″	1-3/8″	1-15/16″	



SC 4-Bolt Flange Bearing

Designed for mounting on vertical or horizontal frames or supports. Gray iron housing of rugged construction. Where space limitations are encountered, the 2-bolt unit below may be desirable. If considerable thrust loads exist, a shaft collar should be mounted next to the bearing.

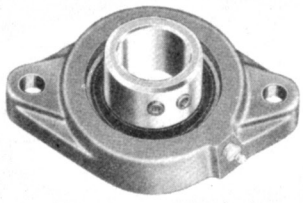
SHAFT SIZE			
1/2″	1-1/16″	1-7/16″	2″
5/8″	1-1/8″	1-1/2″	2-3/16″
3/4″	1-3/16″	1-5/8″	2-1/4″
7/8″	1-1/4″	1-11/16″	2-7/16″
15/16″	1-15/16″	1-3/4″	2-15/16″
1″	1-3/8″	1-15/16″	



SC 2-Bolt Flange Bearing

Identical to the 4-bolt style above except for the bolt holes and housing configuration. The more compact 2-bolt style is particularly suited where space limitations are a factor. If considerable thrust loads exist, a shaft collar should be mounted next to the bearing.

SHAFT SIZE			
1/2″	1-1/16″	1-7/16″	2″
5/8″	1-1/8″	1-1/2″	
3/4″	1-3/16″	1-5/8″	
7/8″	1-1/4″	1-11/16″	
15/16″	1-5/16″	1-3/4″	
1″	1-3/8″	1-15/16″	



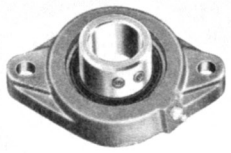
BEARINGS, SHEAVES, SPROCKETS & V-BELTS

Bearings

SCM 2-Bolt Flange Bearing

Identical to the 4-bolt style except for the bolt holes and housing configuration. The more compact 2-bolt type is particularly suited where space limitations are a factor. If considerable thrust loads exist, a shaft collar should be mounted next to the bearing.

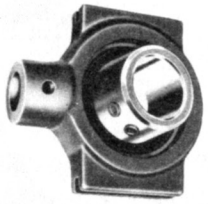
SHAFT SIZE	
1-7/16″	1-11/16″
1-1/2″	1-3/4″



SCM Take-Up Bearing

These bearings consist of an SCM ball bearing inner unit enclosed in a rugged gray iron housing provided with ways on each side for supporting guides. The housing has a hole for receiving the unthreaded end of an adjusting screw. Similar in design to the SC unit with higher load ratings. Suitable for conveyor and power transmission service, it is also used in ball bearing take-up frame assemblies.

SHAFT SIZE	
1-7/16″	1-15/16″
1-1/2″	2″
1-11/16″	2-3/16″
1-3/4″	2-1/4″

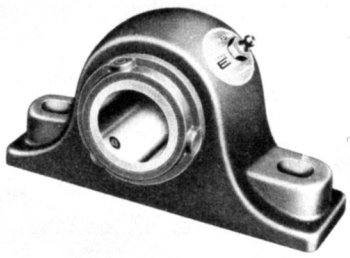


Type E Pillow Block—2 Bolt Gray Iron

Rugged Type E Pillow Bocks offer a positive locking to the shaft, come in a wide range of sizes and styles yet are low in cost. Shipped ready to slip on the shaft they are completely assembled, adjusted, sealed and pre-lubricated at the factory. Provide years of trouble-free service with a minimum of maintenance.

SHAFT SIZE			
1-3/16″	1-11/16″	2-1/4″	3″
1-1/4″	1-3/4″	2-7/16″	3-3/16″
1-3/8″	1-7/8″	2-1/2″	3-1/4″
1-7/16″	1-15/16″	2-11/16″	3-7/16″
1-1/2″	2″	2-3/4″	3-1/2″
1-5/8″	2-3/16″	2-15/16″	

Housings of cast steel available at extra cost.

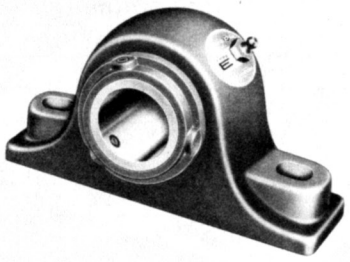


Type E Pillow Block—4 Bolt Gray Iron

Identical to the 2-bolt style except for the bolt holes and housing configuration.

SHAFT SIZE			
2-1/4″	2-15/16″	3-7/16″	4-7/16″
2-7/16″	3″	3-1/2″	4-1/2″
2-1/2″	3-3/16″	3-15/16″	4-15/16″
2-11/16″	3-1/4″	4″	5″
2-3/4″			

Housings of cast steel available at extra cost. Inquire for larger sizes.



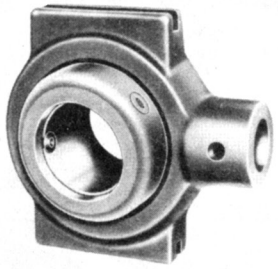
BEARINGS, SHEAVES, SPROCKETS & V-BELTS

Bearings

SC Take-Up Bearing

These bearings consist of an SC ball bearing inner unit enclosed in a rugged gray iron outer housing provided with ways on each side for supporting guides. The housing has a hole for receiving the un-threaded end of an adjusting screw. Suitable for conveyor and power transmission service, it is also used in ball bearing take-up frame assemblies.

SHAFT SIZE			
1/2″	1-1/16″	1-7/16″	1-15/16″
5/8″	1-1/8″	1-1/2″	2″
3/4″	1-3/16″	1-5/8″	2-3/16″
7/8″	1-1/4″	1-11/16″	2-1/4″
15/16″	1-15/16″	1-3/4″	2-7/16″
1″	1-3/8″		



SC Screw Conveyor Hanger Bearing

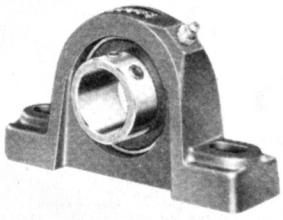
Designed for use on screw conveyors handling non-abrasive materials. It is recommended that they be mounted on "extra strong" steel pipe and secured with a pipe lock nut, furnished by the user. A lube fitting and pipe plug are factory assembled in the unit. The lube fitting may be used in this position or applied to a 1/8″ pipe within the hanger pipe. The position of the fitting and plug may also be reversed. These bearings should be mounted so that the flow of material is against the extended inner race side of the bearing.

SHAFT SIZE	
1-1/2″	2-7/16″
1-5/8″	2-15/16″
1-15/16″	3″
2″	

SCM Pillow Block Bearing

Medium Duty SCM Pillow Blocks have a greater load carrying capacity than the SC line, yet they are available at a moderate cost. They have the same quality features as the SC line which has become a standard of dependable performance and quality throughout the industry. SCM blocks were primarily designed for service conditions that fall between the normal duty SC ball bearings and that of a Type E roller bearing.

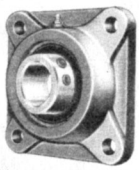
SHAFT SIZE			
1-7/16″	1-15/16″	2-7/16″	3″
1-1/2″	2″	2-1/2″	3-7/16″
1-11/16″	2-3/16″	2-11/16″	3-1/2″
1-3/4″	2-1/4″	2-15/16″	



SCM 4-Bolt Flange Bearing

The SCM 4-Bolt Flange Bearing was designed for mounting on vertical or horizontal frames or supports. Its gray iron housing is of rugged construction. Where space limitations are encountered the 2-bolt unit (next page) may be desirable. If considerable thrust loads exist, a shaft collar should be mounted next to the bearing.

SHAFT SIZE			
1-7/16″	1-15/16″	2-7/16″	3″
1-1/2″	2″	2-1/2″	3-7/16″
1-11/16″	2-3/16″	2-11/16″	3-1/2″
1-3/4″	2-1/4″	2-15/16″	



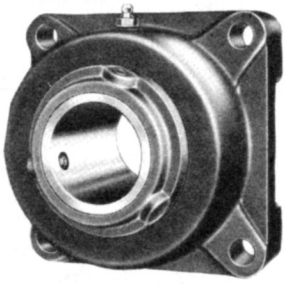
BEARINGS, SHEAVES, SPROCKETS & V-BELTS

Bearings

Type E Flange Bearing

Type E flange bearings offer a simple means of mounting on vertical or horizontal frames or supports. Housings are exceptionally rugged; machined on the back face for accurate mounting. Type E flange bearings have high radial and thrust carrying capacities and are self-contained, factory adjusted and prelubricated—ready for installation. If thrust load is considerable, mount a shaft collar next to the end of the bearing.

SHAFT SIZE			
1-3/16″	1-3/4″	2-7/16″	3-3/16″
1-1/4″	1-7/8″	2-1/2″	3-1/4″
1-3/8″	1-15/16″	2-11/16″	3-7/16″
1-7/16″	2″	2-3/4″	3-1/2″
1-1/2″	2-3/16″	2-15/16″	3-15/16″
1-5/8″	2-1/4″	3″	4″
1-11/16″			

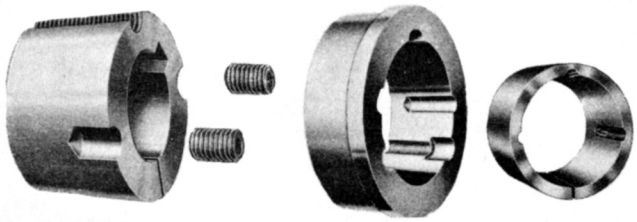


Bushings & Hubs

Bushings
Stock Bore

Bushing No.	Bore Range
1008	1/2 to 1″
1108	1/2 to 1-1/8″
1210	1/2 to 1-1/4″
1215	1/2 to 1-1/4″
1310	1/2 to 1-3/8″
1610	1/2 to 1-5/8″
1615	1/2 to 1-5/8″
2012	1/2 to 2″
2517	1/2 to 2-1/2″
2525	3/4 to 2-1/2″
3020	7/8 to 3″
3030	5/16 to 3″
3535	1-3/16 to 3-1/2″
4040	1-7/16 to 4″
4545	1-15/16 to 4-1/2″
5050	2-7/16 to 5″
6050	3-7/16 to 6″
7060	3-15/16 to 7″
8065	4-7/16 to 8″
10085	7 to 10″
120100	8 to 12″

Other bearings, bushings, and hubs available.
Call us for information and prices.



Weld-On Hubs

For Use With Bushing No.	Maximum Bore of Bushing	Type K	Type W
1215	1-1/4	. . .	W12
1615	1-5/8	. . .	W16
2517	2-1/2	. . .	W25
3030	3	. . .	WA30
3535	3-1/2	K35	WA35
4040	4	K40	WA40
4545	4-1/2	K45	WA45
5050	5	K50	WA50
6050	6	K60	WA60
7060	7	K70	WA70
8065	8	K80	WA80
10085	10	K100	WA100
120100	12	K120	. . .

BEARINGS, SHEAVES, SPROCKETS & V-BELTS

QD Bushings

The taper-bored "QD" Sprocket easily fits over the tapered hub and tightening of the cap screws produces a tight press fit on the shaft. The sprocket is easily removed from the hub by using the pull-up bolts as jack screws in the holes tapped in the rim of the sprocket. All hubs "JA" through "J" are drilled for REVERSE MOUNTING.

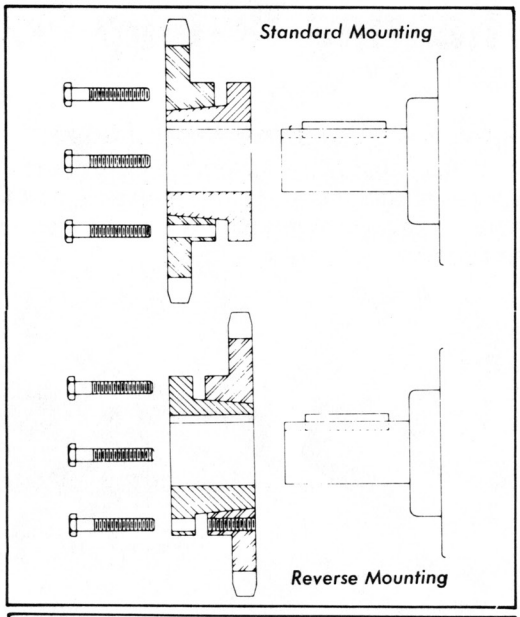
INSTALLATION

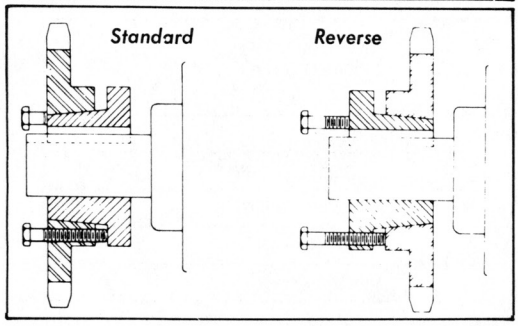
1. Be sure the tapered cone surfaces of the bushing and the inside of sprocket hub are clean.
2. Place bushing in sprocket.
3. Place cap screws and lock washers loosely in pull-up holes. Bushing remains fully expanded to assure sliding fit on shaft.
4. With key on shaft, slide sprocket to desired position on shaft. Be sure heads of capscrews are on outside.
5. Align sprocket. Tighten screws alternately and progressively — until they are pulled up tight. To increase leverage, use wrench or length of pipe (see wrench torque chart at far right). Do not allow sprocket to be drawn in contact with flange of bushing; there should be a gap from 1/8 to 1/4 inch.

REMOVAL

1. Loosen and remove cap screws.
2. Insert cap screws in tapped removal holes.
3. Tighten inserted screws until sprocket is loose on shaft.
4. Remove sprocket from shaft.

CAUTION: When mounting screws, apply pressure by hand only. If extreme tightening forces are applied, bursting pressures will be created in the sprocket hub. There should be a gap of 1/8" to 1/4" between the face of; the sprocket hub and the flange of the QD bushing. **This gap must not be closed.** If the gap is closed under normal tightening, the shaft is seriously undersized.





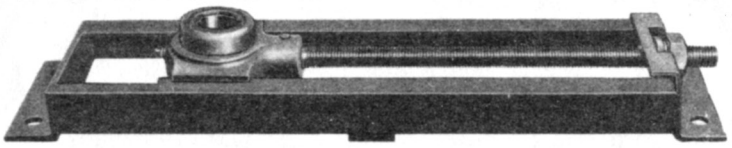
Bushing	DIMENSIONS (Inches)								Screws Required	STOCK BORE RANGE			Average Weight (Approx.)
	A	B	D	E	F	G	L	Cap Bolt Circle		Minimum	Maximum Standard Keyway	Maximum Shallow Keyway	
JA	3/8	1.375	2	11/16	9/16	1/8	1 1/16	1.665	3-10 x 24	3/8	1	1 1/4	9
SH	7/16	1.871	2 11/16	7/8	13/16	1/8	1 5/16	2 1/4	3-1/4 x 1 3/8	1/2	1 3/8	1 11/16	1
SDS	1/2	2.187	3 3/16	7/8	3/4	1/8	1 3/8	2 11/16	3-1/4 x 1 3/8	1/2	1 11/16	2	1
SD	1/2	2.187	3 3/16	1 5/16	1 1/4	1/8	1 13/16	2 11/16	3-1/4 x 1 7/8	1/2	1 11/16	1 15/16	1.5
SK	9/16	2.812	3 7/8	1 3/8	1 1/4	1/8	1 15/16	3 5/16	3-5/16 x 2	1/2	2 1/8	2 1/2	2
SF	9/16	3.125	4 5/8	1 1/2	1 1/4	1/8	2 1/16	3 7/8	3-3/8 x 2	1/2	2 5/16	2 13/16	3
E	3/4	3.834	6	1 7/8	1 5/8	1/8	2 5/8	5	3-1/2 x 2 1/2	7/8	2 7/8	3 1/2	10.0
F	13/16	4.437	6 5/8	2 13/16	2 1/2	3/16	3 5/8	5 5/8	3-9/16 x 3 5/8	1	3 5/16	3 15/16	11.5
J	1	5.148	7 1/4	3 1/2	3 3/16	3/16	4 1/2	6 1/4	3-5/8 x 4 1/2	1 7/16	3 3/4	4 1/2	18
M	1 1/4	6.500	9	5 1/2	5 3/16	3/16	6 3/4	7 7/8	4-3/4 x 6 3/4	1 15/16	4 3/4	5 1/2	37
N	1 1/2	7.000	10	6 5/8	6 1/4	1/4	8 1/8	8 1/2	4-7/8 x 8	2 7/16	5 1/8	6	57
P†	1 3/4	8.250	11 3/4	7 5/8	7 1/4	1/4	9 3/8	10	4-1 x 9	2 15/16	5 15/16	7	120
W†	2	10.437	15	9 3/8	9	1/4	11 3/8	12 3/4	4-1 1/8 x 11	4	7 1/2	8 1/2	250
S†	3 1/4	12.125	17 3/4	12 1/2	12	3/8	15 3/4	15	5-1 1/4 x 15 1/2	6	8 1/4	10	400

BEARINGS, SHEAVES, SPROCKETS & V-BELTS

Ball Bearing Take-up Frame Assemblies

Ball Bearing Take-Up Frame Assemblies

Ball Bearing Take-Up Frame Assemblies are made of welded steel providing maximum strength and rigidity without excess weight. Used with SC ball bearing take-up bearings. Adjustment of the take-up is accomplished by turning a brass adjusting nut. The adjusting screw is plated to prevent rust. The take-up is equally strong in tension or compression.



Frame Assembly Size	Shaft Size
210 x 6	1/2 to 1
308 x 6	1-1/16 to 1-7/16
308 x 12	1-1/16 to 1-7/16
400 x 6	1-7/16 to 2
400 x 9	1-7/16 to 2
400 x 12	1-7/16 to 2
400 x 18	1-7/16 to 2
407 x 9	1-15/16 to 2-1/4
407 x 18	1-15/16 to 2-1/4
415 x 9	2-3/16 to 2-7/16
415 x 18	2-3/16 to 2-7/16