Split pillow blocks
(inch series)

_ SAF _ 22634 TA

1 2 3 4 5

1. Prefix:

F	Four-bolt base (when optional)

2. Housing style:

S	Standard pillow block
D	Heavy duty series
A	Inch dimensions
F	Triple ring seal

3. Material:

_	Cast-iron (standard)
D	Ductile-iron
S	Cast-steel

4. Housing designation:

Cast-iron	Cast-steel	Basic bearing series	Mounting method
13(00)		13(00)	Cylindrical
15(00)		12(00)K	Adapter
16(00)		13(00)K	Adapter
222(00)	222(00)	222(00) CC/W33	Cylindrical
223(00)	223(00)	223(00) CC/W33	Cylindrical
225(00)	225(00)	222(00) CC/W33	Adapter
226(00)	226(00)	223(00) CC/W33	Adapter
230(00)KA		230(00) CC/W33	Adapter
C22(00)		C22(00)	Cylindrical
C23(00)		C23(00)	Cylindrical
C25(00)		C22(00)K	Adapter
C26(000		C23(00)K	Adapter
C30(00)KA		C30(00)K	Adapter

5. Suffix:

T	Taconite contact seal
TV	Taconite V-ring seal
TA or TVA	Taconite seal with button head grease fitting
TB or TVB	Taconite seal with giant button head grease fitting
Y	One end closed (i.e.,supplied with end plug)
-11	Four-bolt base (when optional / cast steel SAFS only)
/VZ###	Special feature / modification
-##	Special feature / modification
TLC	PosiTrac Plus™ seal

Introduction

SKF split pillow blocks are the most versatile mounted assemblies and are designed for extremely demanding applications. They can accommodate a large range of shaft sizes and handle higher loads. They come standard with heavy gray cast-iron housings, and provide more flexibility in sealing options and lubrication (grease or oil can be used).

These assemblies are predominately designed for radial loads that are carried directly through the base. Some of their applications include:

- Strip processing equipment steel mills
- Conveyors that must accommodate larger shaft sizes or special seals
- Fans and blowers
- Felt rolls and drying cylinders within the paper industry
- Crushers, hammer mills, and kilns in the processing industry

The standard split pillow block is made from cast-iron, while cast-steel or ductile iron are available as options. The housing is horizontally split and the cap and base are a mated set; they cannot be interchanged with other caps or bases. For accurate realignment, each cap is mated to the base with dowel pins. Split pillow blocks are available in two-and four-bolt base mounting configurations, which allows for moderate adjustments during installation. Sealing options for split pillow blocks include the LER/LOR triple ring seal, the contact seal, taconite seal, and the end plug.

SKF split pillow blocks come in three styles, SAF, SAW and SDAF. A fourth type, known as the extended range, is custom designed for demanding applications, where requirements include shaft sizes of 10 to 20 inches.

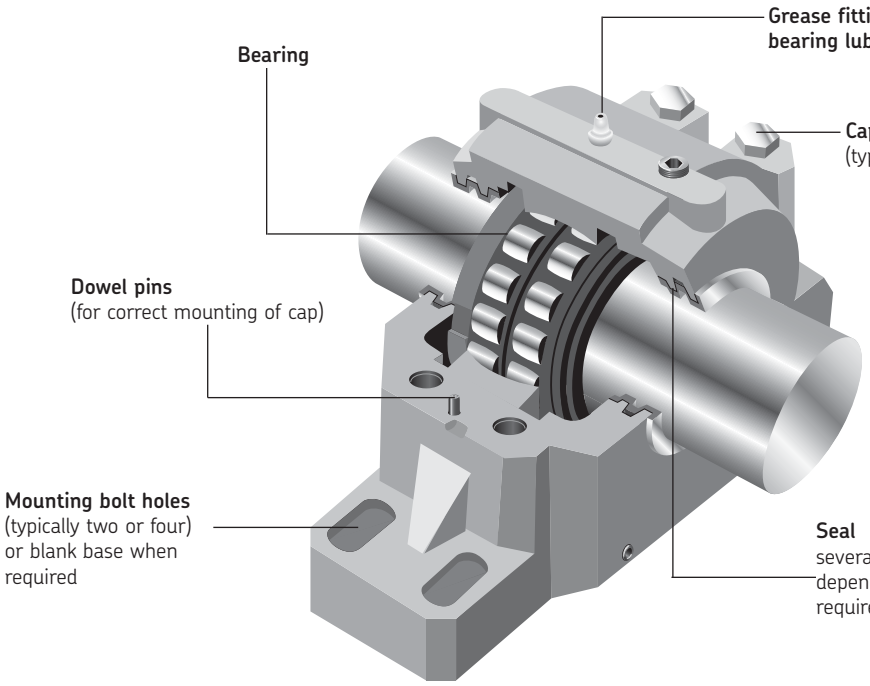
SAF, the most popular split pillow block, is manufactured in cast-iron, cast-steel, or ductile iron. It features a combination of five bearing types, four sealing options and two mounting methods, enabling the SAF to be optimized for a wide variety of applications.

The SAW accommodates the higher capacity series 23200 bearings, or provides greater thermal expansion of the shaft when the 22200 bearing is used. It is dimensionally interchangeable with SAF. Although the bolt hole spacings and center heights are the same, the pillow block is about one-inch wider.

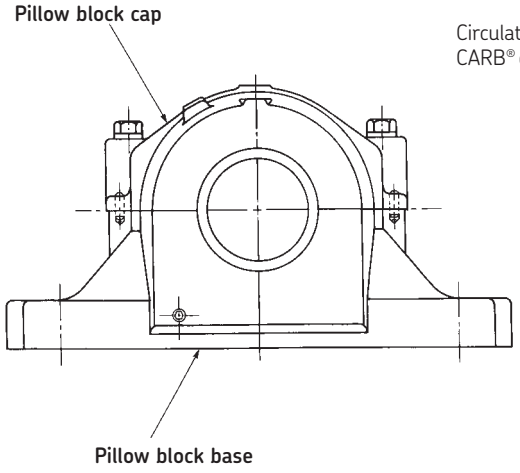
The SDAF style is used for applications that involve heavy or shock loads. SDAF is used extensively in steel mills, mineral processing, and other environments using heavy duty equipment.

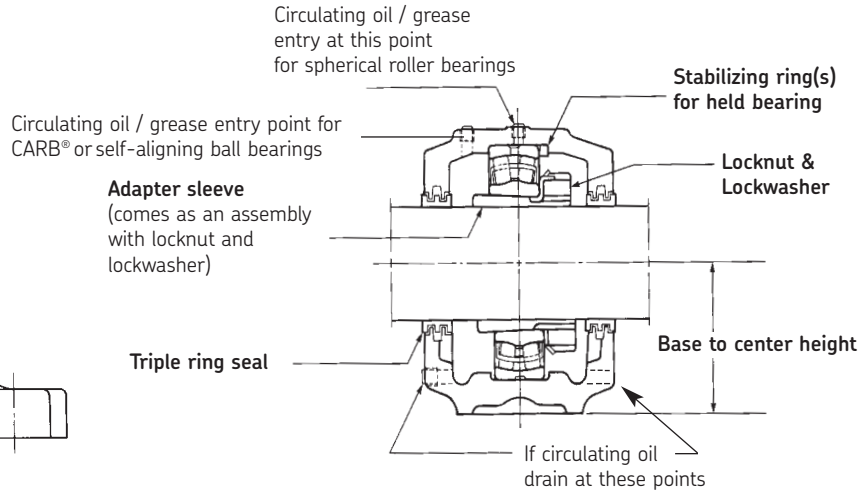
SKF split pillow blocks offer optional customized features, such as special bearings to meet unusual clearance and/or tolerance requirements; machined base ends that provide flat surface for jacking screws; holes for attachment of various condition monitoring devices (thermocouples and vibration detection equipment); and special seals for use with circulating oil lubrication and high-speed operation.

Correct names for pillow block parts

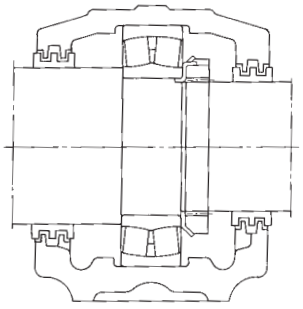


Grease fitting(s) for taconite seal
1. Seal lubrication
2. Purging of contaminates

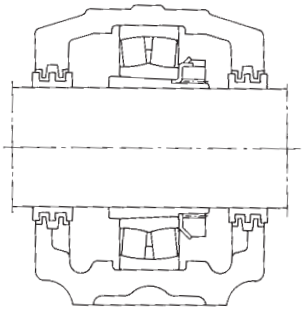




Introduction



Cylindrical mounting



Adapter mounting

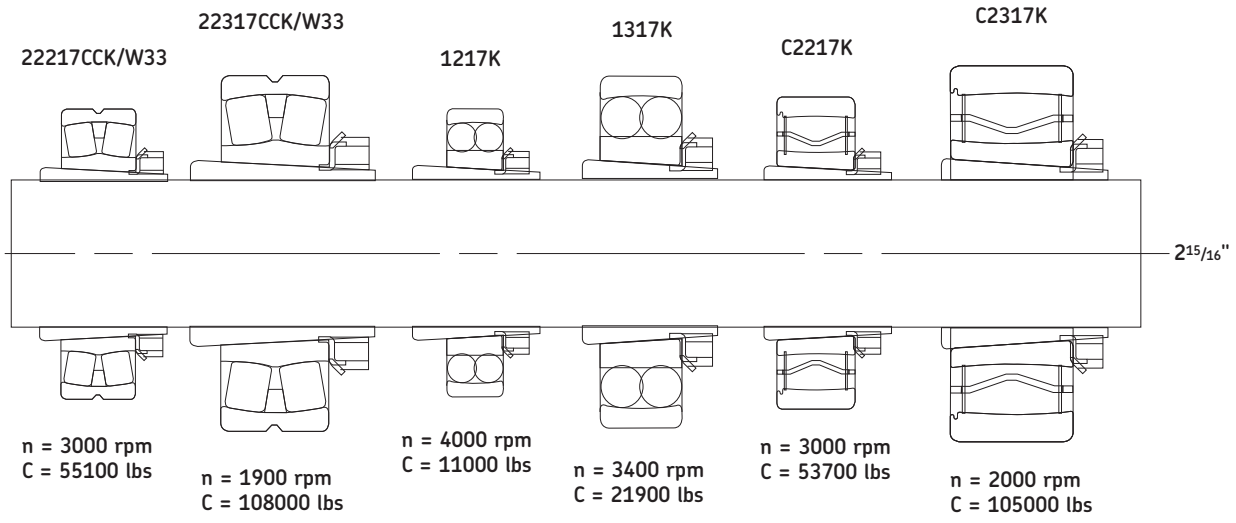
Cylindrical mounting

Cylindrical mounting involves mounting a straight bore bearing to a cylindrical shaft using an interference fit. This mounting method is preferred if precise location on the shaft is required. It is also better suited for high speed applications. In cylindrical mounting, the shaft must have precision tolerances at the bearing seat and machined threads for the locknut. Heating of the inner ring is usually necessary for mounting.

Adapter mounting

In adapter mounting a tapered bore bearing is mounted to a cylindrical shaft through the use of a tapered adapter sleeve. Adapter mounting is considered the general purpose mounting method and most applications of split pillow blocks use this method of attaching the bearing to the shaft. The shaft seatings do not need to be machined to the precision tolerances necessary for cylindrical mounting and the mounting method does not require heating the bearing. Additionally, dismounting is considerably easier with a tapered adapter sleeve. For these reasons the total costs associated with adapter mounting are less than for cylindrical mounting.

Multiple bearing types and series accommodate a variety of applications



Standard split pillow block assortment

SAF

The cast-iron SAF split pillow blocks accommodate self-aligning ball bearings or spherical and toroidal (CARB®) roller bearings and are suitable for adapter or cylindrical mounting to a shaft. SAF housings are available for shaft sizes ranging from $1^{3}/_{16}$" to $10^{1}/_{2}$" and offer a choice of two-or four-bolt base mounting. Their design accommodates grease or oil lubrication. LER/LOR triple ring seals are supplied as standard but SAF housings also accommodate a variety of optional seals such as contact seals, taconite seals, and end plugs. The standard housing material is cast-iron. Dimensional tables begin on page 358.

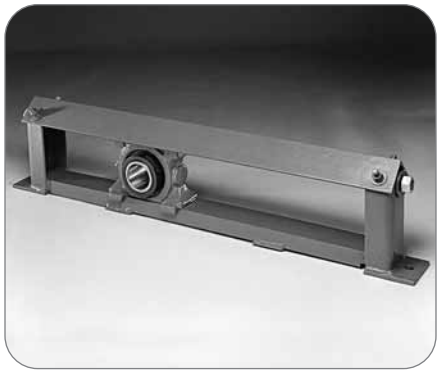
SAFS

The SAFS split pillow blocks are cast-steel versions of the SAF block described to the left. The cast steel material offers greater strength and shock resistance for extra heavy-duty applications. SAFS blocks are used with cylindrical or adapter mounted spherical roller bearings. Shaft sizes range from $2^{7}/_{16}$" to $10^{1}/_{2}$". They can be supplied in two-or four-bolt base mounting arrangements. The SAFS pillow blocks can be grease or oil lubricated and come standard with LER/LOR triple ring seals. Contact seals, taconite seals, and end plugs are also available. SAFS housings have the same basic mounting dimensions as SAF housings but differ in some basic dimensions. SAF dimensional tables begin on page 358.

SDAF

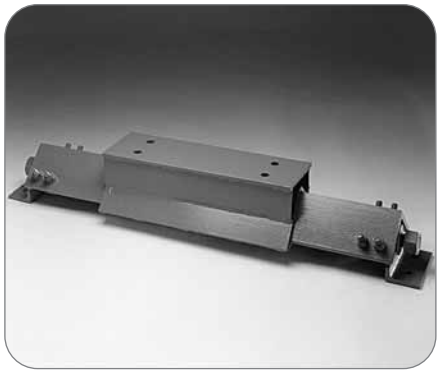
The SDAF block is designed for applications where heavy thrust loads and shock require a housing of exceptionally sturdy construction. The four-bolt cap and four-bolt base of the heavy-duty SDAF are of unusually rugged proportions adequate to resist shock and heavy loading in any direction. The caps of these large housings are supplied with tapped holes for lifting eyes. SDAF housings accommodate several series of spherical roller bearings, cylindrical or adapter mounted. Shaft sizes range from $3^{15}/_{16}$" to $9^{9}/_{16}$". Triple ring seals are standard; but optional taconite seals and end plugs are available. SDAF housings can be grease or oil lubricated. Dimensional tables begin on page 384.

Special application solutions



TY-RPA

TY-RPA take-up assemblies consist of a specially designed, cast-iron, TY-R take-up unit mounted in an all steel PA take-up housing. These assemblies are used primarily for belt tensioning in conveyor applications. The TY-R housing uses an adapter mounted spherical roller bearing. Travel is adjusted by turning the protected adjustment screw from either end of the frame. TY-RPA assemblies are available in travel lengths ranging from 12" to 36" and accommodate shaft sizes from $1^{7}/_{16}$" to $5^{15}/_{16}$". These units are intended for grease lubrication only and are supplied as standard with one end closed. Piston ring type seals are used at the open ends. Versions with both ends open are also available; the appropriate part numbers are indicated in the dimensional tables that begin on page 394. Product nomenclature is on page 392.

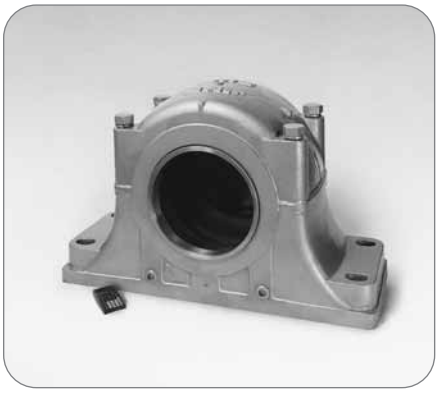


TFT

TFT top mount take-up frames are designed for use with SAF split pillow blocks. As with the TY-RPA assemblies, TFT assemblies are used primarily for belt tensioning in conveyor applications. A SAF block mounts directly to the top of the TFT frame to complete the assembly. TFT frames are available in travel lengths from 12" to 48" and accommodate SAF blocks in shaft sizes from $1^{7}/_{16}$" to $4^{15}/_{16}$". Dimensional tables begin on page 398. Product nomenclature is on page 393.

SAW

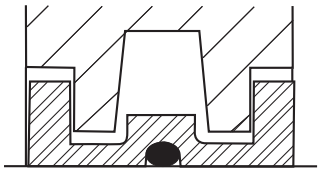
SAW split pillow blocks are designed to accommodate the higher capacity 23200 series spherical roller bearings. They can also be used with 22200 series bearings to allow for greater axial travel or thermal shaft expansion. SAW blocks have the same basic mounting dimensions as their SAF counterparts but are about one-inch wider to accommodate the wider bearing. Shaft sizes range from $3^{7}/_{16}$" to $7^{15}/_{16}$" in adapter mounting. SAW blocks are available in four-bolt base only and are suitable for grease or oil lubrication. LER/LOR triple ring seals are standard but, as with the SAF, other sealing options are available. Product nomenclature is on page 403 and dimensional tables begin on page 404.



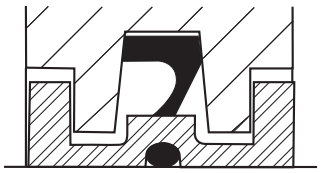
Extended range

The extended range split pillow blocks provide an extremely rugged housing style of exceptionally sturdy construction for shaft sizes ranging from 9" to 20" and higher. These blocks are made-to-order and can be supplied with a variety of customized features to suit the largest and most demanding applications. Customized features can include special seals and grease shrouds, special bearings and tolerances, specific bolt hole patterns and machinings for attachment of auxiliary equipment such as temperature and vibration detectors. The blocks can accommodate several series of high capacity spherical roller bearings in either cylindrical or adapter mounted arrangements. As with other SKF split pillow block housings, the extended range is suitable for grease or oil lubrication and has a variety of sealing options.
Product nomenclature is on page 408 and dimensional tables begin on page 412.

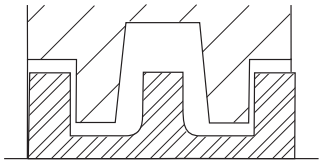
Standard seals for split pillow blocks



PosiTrac seal



PosiTrac Plus seal



Standard LER seal

PosiTrac™ LOR seal

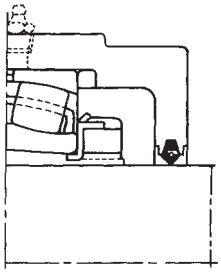
- Standard seal above 2¼"
  (see seal table for specific sizes)
- O-ring on bore to promote spinning with the shaft and prevents contaminate migration between seal and shaft
- Close running tolerance to housing surface
- Provides grease or oil retention
- Aluminum material for spark resistance
- Easily upgradable to PosiTrac™ Plus

PosiTrac Plus™ seal

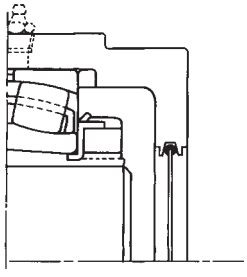
- Standard contact seal offering above 2¼"
- Combination of PosiTrac with nitrile rubber contact element
- Contact element protected by ring and housing providing the maximum protection to the critical sealing element
- Mounts flush in the housing to maintain the overall housing width
- Positive contact even under misalignment
- Easy to install
- Can be used for purge and non-purge systems
- For use in dirty, dusty and wet environments

Triple ring LER seal

- Standard seal on split pillow blocks below 2¼"
- One-piece rotating labyrinth seal
- Close running tolerance between shaft and housing surfaces
- Provides protection from contaminants
- Provides grease or oil retention
- Aluminum material for spark resistance



Contact seal



End plug

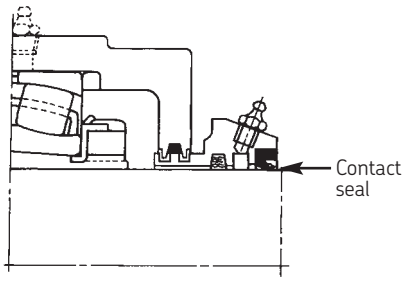
Contact seal

- One-piece nitrile rubber seal
- Positive contact even under misaligned conditions
- Specially molded to fit into the center of the housing labyrinth
- For use in dirty, dusty and wet environments
- Available for shaft below 2¼"

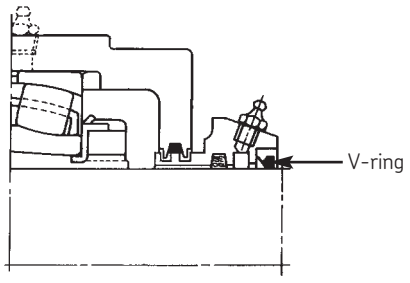
End plug

- Extruded nitrile rubber strip fabricated over metal plate
- Designed to give positive fit in center housing labyrinth
- Provides a perfect closure

Standard seals for split pillow blocks



Taconite TER seal



Taconite TER V-ring seal

Taconite TER seal

- Auxiliary seal features three seals in one
  1) Outboard shaft-riding split-contact seal
  2) Grease cavity with fitting to flush contaminants
  3) Felt inboard seal
- Designed to operate in dusty, dirty, abrasive and wet environments
- Ideal for use in mines, quarries, foundries and other tough applications
- Provides for effective lubricant retention for more efficient bearing operation
- Grease purges through the outboard seal during regreasing of the Taconite seal, to expel contaminants

Taconite-TER V-ring seal

- Same features as Taconite TER seal and also includes:
  1) Outboard “V” ring face riding seal for minimum shaft wear
  2) Grease cavity with fitting to flush contaminants
  3) Felt inboard seal
- Designed to operate in dusty, dirty, abrasive and wet conditions
- Ideal for use in mines, quarries, foundries and other tough applications
- Provides for effective lubricant retention for more efficient bearing operation
- Grease purges through the outboard seal during regreasing of the Taconite seal to expel contaminants
- Accommodates rougher shaft surfaces

PosiTrac seals for split pillow blocks

PosiTrac from SKF is the next generation of the popular SKF LER seal. The lightweight seal is supplied with new SKF SAF-design split pillow blocks. It can also be used as a replacement seal for existing SKF LER and A9508 ring seals.

Two-way sealing protection

PosiTrac's inboard O-ring sets it apart from conventional pillow block seals. The O-ring, made of nitrile rubber, provides two-way sealing protection: it blocks contaminants from migrating along the shaft into the housing, while preventing lubricant leakage in the opposite direction.

During operation, PosiTrac's O-ring makes complete contact with the spinning shaft. This allows the entire seal to rotate at shaft speed—and enhances overall sealing effectiveness. The result is a "Posi"tive "Trac"tive effect.

Quick and easy seal retrofits

Replacing existing SKF LER or A9508 seals with the new PosiTrac seal is a simple maintenance task. Because PosiTrac is identical in width to the LER seals it replaces, it retrofits into existing SKF pillow blocks without special housing, sealing or machining requirements.

Once the bearing and housing have been disassembled, actual seal installation can be completed quickly. Simply remove the old seal by hand and slide PosiTrac into position. No special tools are required.

Although you'll experience slight resistance when installing PosiTrac seals, this requires only slight hand pressure to overcome. You can also lubricate the O-ring to ease assembly.

Excellent misalignment and temperature capabilities

- A misalignment capability equivalent to that of existing SKF LER seal
- A broad temperature operating range from -30° to 230° F
- Seal speed ratings equal to bearing speed ratings

PosiTrac Plus seal from SKF for harsh-environment service

Mining, construction, conveyors and related harsh-environment applications challenge bearing reliability with constant exposure to dirt, sand and other contaminants. Especially demanding environments call for a special seal—PosiTrac Plus.

PosiTrac Plus combines the advanced features of the PosiTrac seal from SKF with an additional sealing component—a nitrile rubber contact element that rides on the outer diameter of the seal's aluminum ring. The ring seal provides a wearing surface, and virtually eliminates any possibility of shaft wear. This contact seal is completely encased within the housing and ring seal labyrinth, protecting it from large particles of contamination. Together, this system provides superior sealing in harsh environments.

PosiTrac Plus replaces the SKF B9784 contact seal. The two major PosiTrac Plus components are packaged separately for easier inventory control.

Flush-mounted, easy-to-install design

Some heavy-duty seals for split pillow blocks have a contact element that extends from the housing side face, requiring additional axial space—but not PosiTrac Plus.

PosiTrac Plus mounts flush with the housing and has no protruding parts that might snag on belts or other machinery.

PosiTrac Plus is easy to install. There's no need to carefully align the seal with the housing to ensure proper sealing. PosiTrac Plus drops straight into an ideal sealing position every time.

Adaptable for purge and non-purge operations

Grease purging is essential in some applications (high-contamination mining operations, for example), but unacceptable in others (papermaking, meat and fruit processing). PosiTrac adapts easily to either requirement. Simply reverse the seal orientation in the housing to convert PosiTrac Plus from purgeable to non-purgeable operation.

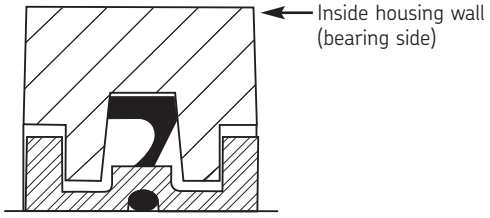
Packaged for convenient upgrades

Users of PosiTrac seals can upgrade to PosiTrac Plus at any time. To upgrade, order the PosiTrac Plus contact element that corresponds with the PosiTrac seal currently in use. The contact element slips easily over the aluminum ring's outer diameter, converting a PosiTrac seal into a PosiTrac Plus for maximum sealing protection.

How to order PosiTrac Plus from SKF

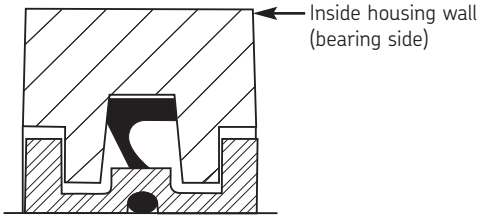
The two PosiTrac Plus components—rubber contact element and aluminum ring with inboard O-ring—are packaged separately and have different designations. The contact element designation is B-10724-###; the designation for the aluminum ring is LOR-XXX. See the accompanying tables for size ranges.

Easy installation for both purgeable and non-purgeable systems



Grease purgeable set-up

Use purgeable for maximum contamination exclusion



Non-grease purgeable set-up

Use non-purgeable for maximum grease retention

Seals & speed limits

Seal selection for SAF and SAFS housings

	Labyrinth	PosiTrac™	PosiTrac™ Plus	Contact	SKF Taconite		End plug
Basic part number	**LER**	**LOR PosiTrac™**	**LOR & B-10724**	**B-9784**	**TER**	**TER V**	**EPR**
Housing range	SAF 308-311 SAF 507-513 SAF 609-611	SAF 024-056 KA SAF 213-244 SAF 312-340 SAF 515-544 SAF 613-640	SAF 024-056 KA SAF 213-244 SAF 312-340 SAF 515-544 SAF 613-640	SAF 308-311 SAF 509-513 SAF 609-611	SAF 024-056 KA SAF 213-244 SAF 308-340 SAF 507-544 SAF 609-640	SAF 024-056 KA SAF 213-244 SAF 308-340 SAF 507-544 SAF 609-640	SAF 024-056 KA SAF 213-244 SAF 308-340 SAF 507-544 SAF 609-640
Shaft diameters	$1^1/_8$" - $2^5/_8$"	$2^1/_8$" - $10^1/_2$"	$2^1/_8$" - $10^1/_2$"	$1^1/_8$" - $2^5/_8$"	$1^1/_8$" - $10^1/_2$"	$1^1/_8$" - $10^1/_2$"	$1^1/_8$" - $10^1/_2$"
Material composition	aluminum	aluminum and nitrile rubber	aluminum and nitrile rubber	nitrile rubber	steel, felt and nitrile rubber	steel, felt and nitrile rubber	steel and nitrile rubber
Temperature[1]	300° F max	220° F max	220° F max	220° F max	220° F max	220° F max	220° F max
Speed [2]	same as bearing	same as bearing	limited	limited	limited	limited	—
Misalignment [3]	some	some	limited	limited	extremely limited	extremely limited	—
Grease purgeable	yes	yes	yes	yes	yes	yes	—
Oil leak prevention	minimal	some	yes	yes	yes (most of any listed)	yes	yes
Friction	none present	none present	some	some	large amount	large amount	—
Dusty / dirty	some	some	yes	yes	yes, extreme conditions	yes, extreme conditions	yes
Wet / moisture	no	no	yes	yes	yes	yes	yes
High pressure wash	no	no	non direct	non direct	yes	yes	yes
Chemical	some	some	limited	limited	limited	limited	limited
Availability	common sizes stocked	common sizes stocked	common sizes stocked	common sizes stocked	common sizes stocked	made to order	common sizes stocked
Lead time for made to order [3]	6 – 8 weeks	6 – 8 weeks	6 – 8 weeks	6 – 8 weeks	6 – 8 weeks	6 – 8 weeks	6 – 8 weeks

1 A special lubrication may be required to accommodate 400° F. Consult SKF or your lubrication supplier.
2 Consult SKF Applications Engineering for specific speed ratings.
3 A self aligning bearing in a split housing assembly will not realize the full bearing misalignment capability; misalignment is limited by seal type.

Seal chart for SKF SAF, SAFS and SAW split pillow block housings

	S-1	S-1	S-1	S-2	S-2	S-3	S-3	Triple ring seal[1]		Contact seals		Taconite seals[5]			End plugs
Shaft diameter	000 Series	500 Series	600 Series	200 Series	300 Series	200 Series	300 Series	Ring seal part number	O-Ring designation for LOR[2]	Contact seal P/N[3]	Speed limit rpm[4]	Contact seal type	"V"-Ring seal type	Speed limit rpm[4]	
1-1/8"		507						LER-13	---	---	---	TER-13	TER-13 V	2250	EPR-2
1-3/16"		507*						LER-14	---	---	---	TER-14	TER-14 V	2250	EPR-2
1-1/4"		507						LER-15	---	---	---	TER-15	TER-15 V	2250	EPR-2
1-3/8"		509	609					LER-16	---	---	---	TER-16	TER-16 V	2175	EPR-3
1-7/16"		509*	609*				308*	LER-17	---	B-9784-12	3800	TER-17	TER-17 V	2175	EPR-3
1-1/2"		509	609					LER-18	---	---	---	TER-18	TER-18 V	2175	EPR-3
1-5/8"		510	610					LER-19	---	---	---	TER-19	TER-19 V	1800	EPR-4
1-11/16"		510*	610*				309*	LER-20	---	B-9784-15	3400	TER-20	TER-20 V	1800	EPR-4
1-3/4"		510	610					LER-21	---	---	---	TER-21	TER-21 V	1800	EPR-4
1-13/16"		511	611					LER-22	---	---	---	TER-22	TER-22 V	1575	EPR-5
1-7/8"		511	611				310*	LER-23	---	---	---	TER-23	TER-23 V	1575	EPR-5
1-15/16"		511*	611*		308*			LER-24	---	B-9784-19	2950	TER-24	TER-24 V	1575	EPR-5
2"		511	611					LER-25	---	---	---	TER-25	TER-25 V	1575	EPR-5
2"		513						LER-26	---	B-9784-21	2950	TER-26	TER-26 V	1450	EPR-6
2-1/16"		513					311*	LER-27	---	---	---	TER-27	TER-27 V	1450	EPR-6
2-1/8"		513			309*			LER-28	---	---	---	TER-28	TER-28 V	1450	EPR-6
2-1/8"			613				312	LOR-31	AS-568-034	B-10724-32	2600	TER-31	TER-31 V	1400	EPR-7
2-3/16"		513*						LER-29	---	B-9784-24	2600	TER-29	TER-29 V	1400	EPR-6
2-3/16"			613*				312	LOR-32	AS-568-035	B-10724-32	2600	TER-32	TER-32 V	1400	EPR-7
2-1/4"		513						LER-30	---	---	---	TER-30	TER-30 V	1400	EPR-6
2-1/4"			613				312*	LOR-33	AS-568-035	B-10724-32	2600	TER-33	TER-33 V	1075	EPR-7
2-5/16"				210	310			LER-34	---	---	---	TER-34	TER-34 V	1300	---
2-3/8"				210	310*			LER-35	---	---	---	TER-35	TER-35 V	1300	---
2-3/8"		515	615			213	313	LOR-36	AS-568-036	B-10724-37	2350	TER-36	TER-36 V	1250	EPR-7
2-7/16"		515*	615*			213*	313*	LOR-37	AS-568-037	B-10724-37	2350	TER-37	TER-37 V	1250	EPR-7
2-1/2"								LER-39	---	B-9784-37	---	TER-39	TER-39 V	1250	---
2-1/2"		515	615			213	313	LOR-38	AS-568-037	B-10724-37	2350	TER-38	TER-38 V	1250	EPR-7
2-9/16"					311*			LER-40	---	B-9784-35	---	TER-40	TER-40 V	1200	---
2-9/16"		516	616				314	LOR-42	AS-568-038	B-10724-44	2150	TER-42	TER-42 V	1150	EPR-8
2-5/8"					311			LER-41	---	---	---	TER-41	TER-41 V	1150	---
2-5/8"		516	616				314*	LOR-43	AS-568-038	B-10724-44	2150	TER-43	TER-43 V	1150	EPR-8
2-11/16"		516*	616*				314	LOR-44	AS-568-039	B-10724-44	2150	TER-44	TER-44 V	1150	EPR-8
2-3/4"		516	616				314	LOR-45	AS-568-039	B-10724-44	2150	TER-45	TER-45 V	1150	EPR-8
2-13/16"			617					LOR-182	AS-568-149	B-10724-184	1950	TER-182	TER-182 V	1050	EPR-10
2-13/16"					312	215*	315*	LOR-46	AS-568-040	B-10724-44	2150	TER-46	TER-46 V	900	EPR-8
2-13/16"		517		213	313	216		LOR-51	AS-568-040	B-10724-53	1950	TER-51	TER-51 V	1050	EPR-9
2-3/16"							316	LOR-57	AS-568-150	B-10724-184	1900	TER-57	TER-57 V	850	EPR-10
2-7/8"			617					LOR-183	AS-568-150	B-10724-184	1950	TER-183	TER-183 V	1050	EPR-10
2-7/8"					312*	215	315	LOR-47	AS-568-040	B-10724-44	2150	TER-47	TER-47 V	1075	EPR-8
2-7/8"		517		213	313	216		LOR-52	AS-568-040	B-10724-53	1950	TER-52	TER-52 V	1050	EPR-9

* = Standard shaft diameter, all others are optional shaft diameters
1 = Speed rating same as bearing speed rating; see bearing tables
2 = O-ring supplied with LOR is for replacement only, AS-568-### are industry standard O-rings available at most SKF authorized distributors
3 = B-10724-###'s are the SKF PosiTrac Plus seal and require the LOR
4 = For stepped shaft housing designs the largest shaft diameter is the limiting speed limit
5 = Most taconite seals are made to order; contact SKF for availability, all "V"-ring versions are made to order

Seals & speed limits

Seal chart for SKF SAF, SAFS and SAW split pillow block housings

	S-1	S-1	S-1	S-2	S-2	S-3	S-3	Triple ring seal[1]		Contact seals		Taconite seals[5]			End plugs
Shaft diameter	000 Series	500 Series	600 Series	200 Series	300 Series	200 Series	300 Series	Ring seal part number	O-Ring designation for LOR[2]	Contact seal P/N[3]	Speed limit rpm[4]	Contact seal type	"V"-Ring seal type	Speed limit rpm[4]	
2-7/8"							316	LOR-58	AS-568-150	B-10724-184	1900	TER-58	TER-58 V	850	EPR-10
2-15/16"		617*					LOR-184		AS-568-151	B-10724-184	1950	TER-184	TER-184 V	1050	EPR-10
2-15/16"	517*		213	313	216		LOR-53	AS-568-141		B-10724-53	1950	TER-53	TER-53 V	1050	EPR-9
2-15/16"							316	LOR-59	AS-568-151	B-10724-184	1900	TER-59	TER-59 V	850	EPR-10
3"		617						LOR-185	AS-568-151	B-10724-184	1950	TER-185	TER-185 V	1050	EPR-10
3"		517		213	313	216*		LOR-54	AS-568-041	B-10724-53	1950	TER-54	TER-54 V	850	EPR-9
3"						316*		LOR-60	AS-568-151	B-10724-184	1900	TER-60	TER-60 V	850	EPR-10
3-1/16"		518	618				317	LOR-186	38309-186	B-10724-188	1800	TER-186	TER-186 V	950	EPR-11
3-1/16"				213*	313*	216		LOR-55	38309-55	B-10724-53	1950	TER-55	TER-55 V	1000	EPR-9
3-1/16"						217		LOR-61	38309-61	B-10724-64	1450	TER-61	TER-61 V	775	EPR-9
3-1/8"		518	618				317	LOR-187	AS-568-152	B-10724-188	1800	TER-187	TER-187 V	950	EPR-11
3-1/8"				213	313	216		LOR-56	AS-568-042	B-10724-53	1950	TER-56	TER-56 V	1000	EPR-9
3-1/8"					314	217		LOR-62	AS-568-042	B-10724-64	1450	TER-62	TER-62 V	775	EPR-9
3-3/16"		518*	618*				317*	LOR-188	AS-568-152	B-10724-188	1800	TER-188	TER-188 V	950	EPR-11
3-3/16"					314	217*		LOR-63	AS-568-042	B-10724-64	1450	TER-63	TER-63 V	775	EPR-9
3-1/4"		518	618				317	LOR-189	AS-568-152	B-10724-188	1800	TER-189	TER-189 V	950	EPR-11
3-1/4"					314*	217		LOR-64	AS-568-042	B-10724-64	1450	TER-64	TER-64 V	925	EPR-9
3-5/16"		520	620			220		LOR-100	38309-100	B-10724-102	1650	TER-100	TER-100 V	900	EPR-12
3-5/16"						217		LOR-65	38309-65	B-10724-64	1450	TER-65	TER-65 V	775	EPR-9
3-5/16"						218	318	LOR-190	38309-190	B-10724-188	1800	TER-190	TER-190 V	750	EPR-11
3-3/8"				215/216	315			LOR-78	AS-568-043	B-10724-79	1650	TER-78	TER-78 V	900	---
3-3/8"						217		LOR-66	AS-568-043	B-10724-64	1450	TER-66	TER-66 V	775	EPR-9
3-3/8"		520	620			220		LOR-101	AS-568-153	B-10724-102	1650	TER-101	TER-101 V	900	EPR-12
3-3/8"						218*	318*	LOR-191	AS-568-153	B-10724-188	1800	TER-191	TER-191 V	750	EPR-11
3-7/16"				215*/216	315*			LOR-79	AS-568-043	B-10724-79	1450	TER-79	TER-79 V	900	---
3-7/16"		520*	620*			220		LOR-102	AS-568-153	B-10724-102	1650	TER-102	TER-102 V	900	EPR-12
3-1/2"				215/216	315			LOR-80	AS-568-043	B-10724-79	1450	TER-80	TER-80 V	900	---
3-1/2"		520	620			220		LOR-103	AS-568-153	B-10724-102	1650	TER-103	TER-103 V	900	EPR-12
3-9/16"				215/216	315			LOR-81	38309-81	B-10724-79	1450	TER-81	TER-81 V	900	---
3-9/16"					316			LOR-83	38309-83	B-10724-106	1275	TER-83	TER-83 V	850	EPR-12
3-5/8"				215/216*	315			LOR-82	AS-568-044	B-10724-79	1450	TER-82	TER-82 V	850	---
3-5/8"					316*			LOR-84	AS-568-154	B-10724-106	1275	TER-84	TER-84 V	850	EPR-12
3-11/16"					316			LOR-85	AS-568-154	B-10724-106	1275	TER-85	TER-85 V	850	EPR-12
3-11/16"						320	LOR-104		AS-568-154	B-10724-106	1275	TER-104	TER-104 V	675	EPR-12
3-3/4"					316			LOR-86	AS-568-154	B-10724-106	1275	TER-86	TER-86 V	850	EPR-12
3-3/4"							320	LOR-105	AS-568-154	B-10724-106	1275	TER-105	TER-105 V	675	EPR-12
3-13/16"					316			LOR-87	38309-87	B-10724-106	1275	TER-87	TER-87 V	850	EPR-12
3-13/16"					220*	320*		LOR-106	38309-106	B-10724-106	1275	TER-106	TER-106 V	675	EPR-12
3-13/16"	522	622		317				LOR-107	38309-107	B-10724-109	1450	TER-107	TER-107 V	775	EPR-13
3-7/8"		522	622		317			LOR-108	AS-568-155	B-10724-109	1450	TER-108	TER-108 V	775	EPR-13

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3 = B-10724-###'s are the SKF PosiTrac Plus seal and require the LOR
4 = For stepped shaft housing designs, the largest shaft diameter is the limiting speed limit
5 = Most taconite seals are made to order; contact SKF for availability, all "V"-ring versions are made to order

Seal chart for SKF SAF, SAFS and SAW split pillow block housings

	S-1	S-1	S-1	S-2	S-2	S-3	S-3	Triple ring seal[1]		Contact seals		Taconite seals[5]			End plugs
Shaft diameter	000 Series	500 Series	600 Series	200 Series	300 Series	200 Series	300 Series	Ring seal part number	O-Ring designation for LOR[2]	Contact seal P/N[3]	Speed limit rpm[4]	Contact seal type	"V"-Ring seal type	Speed limit rpm[4]	
3-7/8"				217				LOR-88	AS-568-045	B-10724-89	1450	TER-88	TER-88 V	775	---
3-15/16"		522*	622*		317*			LOR-109	AS-568-155	B-10724-109	1450	TER-109	TER-109 V	775	EPR-13
3-15/16"				217*				LOR-89	AS-568-045	B-10724-89	1450	TER-89	TER-89 V	775	---
4"		522	622		317			LOR-110	AS-568-155	B-10724-109	1450	TER-110	TER-110 V	775	EPR-13
4"				217				LOR-90	AS-568-045	B-10724-89	1450	TER-90	TER-90 V	775	---
4-1/16"	024	524	624	218	318	222	322	LOR-111	38309-111	B-10724-113	1350	TER-111	TER-111 V	750	EPR-14
4-1/8"	024	524	624	218*	318*	222	322	LOR-112	AS-568-156	B-10724-113	1350	TER-112	TER-112 V	750	EPR-14
4-3/16"	024*	524*	624*	218	318	222*	322*	LOR-113	AS-568-156	B-10724-113	1350	TER-113	TER-113 V	725	EPR-14
4-1/4"	024	524	624	218	318	222	322	LOR-114	AS-568-156	B-10724-113	1350	TER-114	TER-114 V	725	EPR-14
4-5/16"	026	526	626	220	320	224	324	LOR-115	38309-115	B-10724-117	1300	TER-115	TER-115 V	700	EPR-15
4-3/8"	026	526	626	220	320	224	324	LOR-116	AS-568-157	B-10724-117	1300	TER-116	TER-116 V	700	EPR-15
4-7/16"	026*	526*	626*	220	320	224	324	LOR-117	AS-568-157	B-10724-117	1300	TER-117	TER-117 V	700	EPR-15
4-1/2"	026	526	626	220*	320*	224	324	LOR-118	AS-568-157	B-10724-117	1300	TER-118	TER-118 V	675	EPR-15
4-9/16"				220	320	224*	324*	LOR-119	38309-119	B-10724-117	1300	TER-119	TER-119 V	675	EPR-15
4-13/16"	028	528	628	222	322	226	326	LOR-120	38309-120	B-10724-122	1150	TER-120	TER-120 V	625	EPR-27
4-7/8"	028	528	628	222*	322*	226	326	LOR-121	AS-568-159	B-10724-122	1150	TER-121	TER-121 V	625	EPR-27
4-15/16"	028*	528*	628*	222	322	226*	326*	LOR-122	AS-568-159	B-10724-122	1150	TER-122	TER-122 V	625	EPR-27
5-1/8"	030	530	630	224	324	228	328	LOR-124	AS-568-160	B-10724-125	1075	TER-124	TER-124 V	590	EPR-16
5-3/16"	030*	530*	630*	224	324	228	328	LOR-125	AS-568-160	B-10724-125	1075	TER-125	TER-125 V	590	EPR-16
5-1/4"	030	530	630	224	324	228	328	LOR-126	AS-568-160	B-10724-125	1075	TER-126	TER-126 V	575	EPR-16
5-5/16"	030			224*	324*	228*	328*	LOR-127	38309-127	B-10724-125	1075	TER-127	TER-127 V	575	EPR-16
5-3/8"	30			224	324	228	328	LOR-128	AS-568-161	B-10724-125	1075	TER-128	TER-128 V	575	EPR-16
5-3/8"	032	532	632					LOR-129	AS-568-253	B-10724-130	1050	TER-129	TER-129 V	560	EPR-16
5-7/16"	032*	532*	632*					LOR-130	AS-568-254	B-10724-130	1050	TER-130	TER-130 V	560	EPR-16
5-1/2"	032	532	632					LOR-131	AS-568-254	B-10724-130	1050	TER-131	TER-131 V	560	EPR-16
5-5/8"				226	326	230	330	LOR-132	AS-568-162	B-10724-134	850	TER-132	TER-132 V	460	EPR-17
5-11/16"				226	326	230	330	LOR-133	AS-568-162	B-10724-134	850	TER-133	TER-133 V	460	EPR-17
5-3/4"				226	326	230*	330*	LOR-134	AS-568-162	B-10724-134	850	TER-134	TER-134 V	460	EPR-17
5-13/16"	034	534	634			232	332	LOR-138	AS-568-257	B-10724-140	950	TER-138	TER-138 V	520	EPR-18
5-13/16"				226	326	230	330	LOR-135	38309-135	B-10724-134	850	TER-135	TER-135 V	520	EPR-17
5-7/8"	034	534	634			232	332	LOR-139	AS-568-257	B-10724-140	950	TER-139	TER-139 V	520	EPR-18
5-7/8"				226*	326*	230	330	LOR-136	AS-568-163	B-10724-134	850	TER-136	TER-136 V	520	EPR-17
5-15/16"	034*	534*	634*			232	332	LOR-140	AS-568-258	B-10724-140	950	TER-140	TER-140 V	520	EPR-18
5-15/16"				226	326	230	330	LOR-137	AS-568-163	B-10724-134	850	TER-137	TER-137 V	520	EPR-17
6"	034	534	634			232	332	LOR-141	AS-568-258	B-10724-140	950	TER-141	TER-141 V	500	EPR-18
6-1/16"						232*	332*	LOR-142	38309-142	B-10724-140	950	TER-142	TER-142 V	500	EPR-18
6-3/16"				228	328			LOR-143	AS-568-164	B-10724-144	925	TER-143	TER-143 V	490	---
6-1/4"				228*	328*			LOR-144	AS-568-164	B-10724-144	925	TER-144	TER-144 V	490	---
6-5/16"				228	328			LOR-145	38309-145	B-10724-144	925	TER-145	TER-145 V	490	---
6-5/16"	036	536				234	334	LOR-146	38309-146	B-10724-148	875	TER-146	TER-146 V	460	EPR-19

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Seals & speed limits

Seal chart for SKF SAF, SAFS and SAW split pillow block housings

	S-1	S-1	S-1	S-2	S-2	S-3	S-3	Triple ring seal[1]		Contact seals		Taconite seals[5]			End plugs
Shaft diameter	000 Series	500 Series	600 Series	200 Series	300 Series	200 Series	300 Series	Ring seal part number	O-Ring designation for LOR[2]	Contact seal P/N[3]	Speed limit rpm[4]	Contact seal type	"V"-Ring seal type	Speed limit rpm[4]	
6-3/8"	036	536				234	334	LOR-147	AS-568-260	B-10724-148	875	TER-147	TER-147 V	460	EPR-19
6-7/16"	036*	536*				234	334*	LOR-148	AS-568-260	B-10724-148	875	TER-148	TER-148 V	460	EPR-19
6-1/2"	036	536				234	334	LOR-149	AS-568-260	B-10724-148	875	TER-149	TER-149 V	460	EPR-19
6-9/16"				230	330			LOR-150	38309-150	B-10724-151	850	TER-150	TER-150 V	460	---
6-5/8"				230*	330*			LOR-151	AS-568-166	B-10724-151	850	TER-151	TER-151 V	460	---
6-11/16"				230	330			LOR-152	AS-568-166	B-10724-151	850	TER-152	TER-152 V	460	---
6-13/16"	038	538	638	232	332	236		LOR-153	38309-153	B-10724-155	825	TER-153	TER-153 V	440	EPR-20
6-7/8"	038	538	638	232	332	236*		LOR-154	AS-568-262	B-10724-155	825	TER-154	TER-154 V	440	EPR-20
6-15/16"	038*	538*	638*	232	332	236		LOR-155	AS-568-262	B-10724-155	825	TER-155	TER-155 V	440	EPR-20
7"	038	538	638	232*	332*	236		LOR-156	AS-568-262	B-10724-155	825	TER-156	TER-156 V	440	EPR-20
7-1/16"				232	332	236		LOR-157	38309-157	B-10724-155	825	TER-157	TER-157 V	440	EPR-20
7-1/8"	040	540	640			238	338	LOR-158	AS-568-263	B-10724-159	800	TER-158	TER-158 V	425	EPR-21
7-3/16"	040*	540*	640*			238	338	LOR-159	AS-568-263	B-10724-159	800	TER-159	TER-159 V	425	EPR-21
7-1/4"	040	540	640			238*	338*	LOR-160	AS-568-263	B-10724-159	800	TER-160	TER-160 V	425	EPR-21
7-7/16"				234*	334*	240	340	LOR-161	AS-568-264	B-10724-161	650	TER-161	TER-161 V	410	EPR-22
7-1/2"				234	334	240	340	LOR-162	AS-568-264	B-10724-161	650	TER-162	TER-162 V	410	EPR-22
7-9/16"				234	334	240	340	LOR-163	AS-568-265	B-10724-161	650	TER-163	TER-163 V	410	EPR-22
7-5/8"				234	334	240*	340*	LOR-164	AS-568-265	B-10724-161	650	TER-164	TER-164 V	390	EPR-22
7-13/16"	044	544		236*				LOR-165	AS-568-266	B-10724-167	725	TER-165	TER-165 V	390	EPR-23
7-7/8"	044	544		236				LOR-166	AS-568-266	B-10724-167	725	TER-166	TER-166 V	390	EPR-23
7-15/16"	044*	544*		236				LOR-167	AS-568-266	B-10724-167	725	TER-167	TER-167 V	385	EPR-23
8"	044	544		236				LOR-168	AS-568-266	B-10724-167	725	TER-168	TER-168 V	385	EPR-23
8-1/4"				238	338	244		LOR-169	AS-568-267	B-10724-170	600	TER-169	TER-169 V	365	EPR-24
8-5/16"				238	338	244*		LOR-170	AS-568-268	B-10724-170	600	TER-170	TER-170 V	365	EPR-24
8-3/8"				238*	338*	244		LOR-171	AS-568-268	B-10724-170	600	TER-171	TER-171 V	365	EPR-24
8-7/16"				238	338	244		LOR-172	AS-568-268	B-10724-170	600	TER-172	TER-172 V	365	EPR-24
8-7/16"	048							LOR-550	AS-568-268	B-10724-552	680	TER-550	TER-550 V	360	X-5217-4
8-1/2"				238	338	244		LOR-173	AS-568-268	B-10724-170	600	TER-173	TER-173 V	360	EPR-24
8-1/2"	048							LOR-551	AS-568-268	B-10724-552	680	TER-551	TER-551 V	360	X-5217-4
8-11/16"				240	340			LOR-174	AS-568-269	B-10724-175	650	TER-174	TER-174 V	350	EPR-25
8-3/4"				240*	340*			LOR-175	AS-568-269	B-10724-175	650	TER-175	TER-175 V	350	EPR-25
8-13/16"				240	340			LOR-176	AS-568-270	B-10724-175	650	TER-176	TER-176 V	350	EPR-25
8-7/8"				240	340			LOR-177	AS-568-270	B-10724-175	650	TER-177	TER-177 V	350	EPR-25
8-15/16"	048*							LOR-552	AS-568-270	B-10724-552	640	TER-552	TER-552 V	340	X-5217-4
9"	048							LOR-513	AS-568-270	B-10724-552	640	TER-513	TER-513 V	340	X-5217-4
9-7/16"	052*							LOR-553	AS-568-272	B-10724-178	600	TER-553	TER-553 V	325	X-5217-2
9-1/2"	052			244				LOR-178	AS-568-272	B-10724-178	600	TER-178	TER-178 V	320	X-5217-2
9-9/16"				244*				LOR-179	AS-568-273	B-10724-178	600	TER-179	TER-179 V	315	X-5217-2
9-5/8"				244				LOR-180	AS-568-273	B-10724-178	600	TER-180	TER-180 V	315	X-5217-2
9-11/16"				244				LOR-181	AS-568-273	B-10724-178	600	TER-181	TER-181 V	315	X-5217-2
9-15/16"	056*							LOR-607	AS-568-274	B-10724-607	575	TER-607	TER-607 V	310	X-5217-2
10"	056							LOR-568	AS-568-274	B-10724-607	575	TER-568	TER-568 V	305	X-5217-2
10-7/16"	056*							LOR-606	AS-568-275	B-10724-606	550	TER-606	TER-606 V	295	X-5217-1
10-1/2"	056							LOR-519	AS-568-275	B-10724-606	550	TER-519	TER-519 V	290	X-5217-1

* = Standard shaft diameter, all others are optional shaft diameters
1 = Speed rating same as bearing speed rating; see bearing tables
2 = O-ring supplied with LOR is for replacement only, AS-568-### are industry standard O-rings available at most SKF authorized distributors
3 = B-10724-###'s are the SKF PosiTrac Plus seal and require the LOR
4 = For stepped shaft housing designs, the largest shaft diameter is the limiting speed limit
5 = Most taconite seals are made to order; contact SKF for availability, all "V"-ring versions are made to order

Seal chart for SKF SDAF and SDAFS split pillow block housings

	S-1	S-1	S-2	S-2	S-3	S-3	Triple ring seal[1]		Contact seals		Taconite seals[5]			End plugs
Shaft diameter	500 Series	600 Series	200 Series	300 Series	200 Series	300 Series	Ring seal part number	O-Ring designation for LOR[2]	Contact seal P/N[3]	Speed limit rpm[4]	Contact seal type	"V"-Ring seal type	Speed limit rpm[4]	
2-13/16"			617				LOR-57	AS-568-150	B-10724-184	1950	TER-57	TER-57 V	1050	EPR-10
2-7/8"		617					LOR-58	AS-568-150	B-10724-184	1950	TER-58	TER-58 V	1050	EPR-10
2-15/16"		617*					LOR-59	AS-568-151	B-10724-184	1950	TER-59	TER-59 V	1050	EPR-10
3"		617					LOR-60	AS-568-151	B-10724-184	1950	TER-60	TER-60 V	1050	EPR-10
3-1/16"		618					LER-67	---	---[6]		TER-67	TER-67 V	950	EPR-11
3-1/8"		618					LER-68	---	---[6]		TER-68	TER-68 V	950	EPR-11
3-3/16"		618*				317*	LER-69	---	---[6]	---	TER-69	TER-69 V	950	EPR-11
3-1/4"		618					LER-70	---	---[6]		TER-70	TER-70 V	950	EPR-11
3-3/8"						318*	LER-72	---	---[6]	---	TER-72	TER-72 V	750	EPR-11
3-5/16"	520	620					LER-73	---	---[6]		TER-73	TER-73 V	750	EPR-11
3-3/8"	520	620					LER-74	---	---[6]		TER-74	TER-74 V	750	EPR-11
3-7/16"	520*	620*					LER-75	---	---[6]	---	TER-75	TER-75 V	900	EPR-11
3-1/2"	520	620					LER-76	---	---[6]		TER-76	TER-76 V	900	EPR-11
3-13/16"					220*	320*	LER-87	---	---[6]	---	TER-87	TER-87 V	675	EPR-12
3-13/16"	522	622					LER-91	---	---[6]		TER-91	TER-91 V	775	EPR-13
3-7/8"	522	622					LER-92	---	---[6]		TER-92	TER-92 V	775	EPR-13
3-15/16"	522*	622*		317*			LER-93	---	---[6]	---	TER-93	TER-93 V	775	EPR-13
4"	522	622					LER-94	---	---[6]		TER-94	TER-94 V	775	EPR-13
4-1/8"				318*			LER-96	---	---[6]	---	TER-96	TER-96 V	750	---
4-1/16"	524	624					LOR-111	38309-111	B-10724-113	1350	TER-111	TER-111 V	725	EPR-14
4-1/8"	524	624					LOR-112	AS-568-156	B-10724-113	1350	TER-112	TER-112 V	725	EPR-14
4-3/16"	524*	624*			222*	322*	LOR-113	AS-568-156	B-10724-113	1350	TER-113	TER-113 V	725	EPR-14
4-1/4"	524	624					LOR-114	AS-568-156	B-10724-113	1350	TER-114	TER-114 V	725	EPR-14
4-5/16"	526	626					LOR-115	38309-115	B-10724-117	1300	TER-115	TER-115 V	700	EPR-15
4-3/8"	526	626					LOR-116	AS-568-157	B-10724-117	1300	TER-116	TER-116 V	700	EPR-15
4-7/16"	526*	626*					LOR-117	AS-568-157	B-10724-117	1300	TER-117	TER-117 V	700	EPR-15
4-1/2"	526	626					LOR-118	AS-568-157	B-10724-117	1300	TER-118	TER-118 V	700	EPR-15
4-9/16"	526	626					LOR-119	38309-119	B-10724-117	1300	TER-119	TER-119 V	700	EPR-15
4-1/2"			220*	320*			LER-205	---	---[6]	---	TER-205	TER-205 V	675	---
4-9/16"	528				224*	324*	LOR-119	38309-119	B-10724-117	1300	TER-119	TER-119 V	575	EPR-15
4-7/8"	528		222*	322*			LOR-121	AS-568-159	B-10724-122	1150	TER-121	TER-121 V	625	---
4-15/16"	528*				226*	326*	LOR-122	AS-568-159	B-10724-122	1150	TER-122	TER-122 V	520	EPR-27
5-1/8"	530	630					LOR-124	AS-568-160	B-10724-125	1075	TER-124	TER-124 V	590	EPR-16
5-3/16"	530*	630*					LOR-125	AS-568-160	B-10724-125	1075	TER-125	TER-125 V	590	EPR-16
5-1/4"	530	630					LOR-126	AS-568-160	B-10724-125	1075	TER-126	TER-126 V	590	EPR-16
5-5/16"	530	630	224*	324*	228*		LOR-127	38309-127	B-10724-125	1075	TER-127	TER-127 V	575	---
5-3/8"	530	630					LOR-128	AS-568-161	B-10724-125	1075	TER-128	TER-128 V	575	EPR-16
5-3/8"	532						LOR-129	AS-568-253	B-10724-130	1050	TER-129	TER-129 V	575	EPR-16
5-7/16"	532*						LOR-130	AS-568-254	B-10724-130	1050	TER-130	TER-130 V	560	EPR-16
5-1/2"	532						LOR-131	AS-568-254	B-10724-130	1050	TER-131	TER-131 V	560	EPR-16

* = Standard shaft diameter, all others are optional shaft diameters
1 = Speed rating same as bearing speed rating; see bearing tables
2 = O-ring supplied with LOR is for replacement only, AS-568-### are industry standard O-rings available at most SKF authorized distributors
3 = B-10724-###'s are the SKF PosiTrac Plus seal and require the LOR
4 = For stepped shaft housing designs, the largest shaft diameter is the limiting speed limit
5 = Most taconite seals are made to order; contact SKF for availability, all "V"-ring versions are made to order
6 = Consult SKF Applications Engineering for options

Seals & speed limits

Seal chart for SKF SDAF and SDAFS split pillow block housings

Shaft diameter	S-1 500 Series	S-1 600 Series	S-2 200 Series	S-2 300 Series	S-3 200 Series	S-3 300 Series	Triple ring seal[1] Ring seal part number	Triple ring seal[1] O-Ring designation for LOR[2]	Contact seals Contact seal P/N[3]	Contact seals Speed limit rpm[4]	Taconite seals[5] Contact seal type	Taconite seals[5] "V"-Ring seal type	Taconite seals[5] Speed limit rpm[4]	End plugs
5-7/16"		632*					LER-211	---	---[6]	---	TER-211	TER-211 V	560	EPR-17
5-3/4"					230*	330*	LOR-134	AS-568-162	B-10724-130	1050	TER-134	TER-134 V	460	EPR-17
5-7/8"			226*	326*			LOR-136	AS-568-163	B-10724-130	1050	TER-136	TER-136 V	520	---
5-15/16"		634*					LER-215	---	---[6]	---	TER-215	TER-215 V	515	EPR-19
6-1/16"					232*		LOR-142	38309-142	B-10724-140	950	TER-142	TER-142 V	435	EPR-18
6-1/16"						332*	LER-217	---	---[6]	---	TER-217	TER-217 V	435	EPR-19
6-1/4"				228*			LOR 144	AS-568-164	B-10724-144	925	TER-144	TER-144 V	---	---
6-5/16"	536						LOR-146	38309-146	B-10724-148	875	TER-146	TER-146 V	475	EPR-19
6-3/8"	536						LOR-147	AS-568-260	B-10724-148	875	TER-147	TER-147 V	475	EPR-19
6-7/16"	536*						LOR-148	AS-568-260	B-10724-148	875	TER-148	TER-148 V	475	EPR-19
6-1/2"	536						LOR-149	AS-568-260	B-10724-148	875	TER-149	TER-149 V	475	EPR-19
6-7/16"		636*				334*	LER-220	---	---[6]	---	TER-220	TER-220 V	475	EPR-26
6-5/8"			230*	330*			LOR-151	AS-568-166	B-10724-151	850	TER-151	TER-151 V	460	---
6-7/8"					236*		LOR-154	AS-568-262	B-10724-155	825	TER-154	TER-154 V	390	EPR-20
6-7/8"						336*	LER-223	---	B-9784-130	750	TER-223	TER-223 V	390	EPR-21
6-15/16"	538*	638*					LER-224	---	---[6]	---	TER-224	TER-224 V	440	EPR-21
7"			232*				LOR-156	AS-568-262	B-10724-155	825	TER-156	TER-156 V	435	---
7"				332*			LER-225	---	---[6]	---	TER-225	TER-225 V	435	---
7-3/16"	540*	640*					LER-228	---	B-9784-140	800	TER-228	TER-228 V	425	EPR-22
7-1/4"					238*	338*	LER-229	---	B-9784-141	700	TER-229	TER-229 V	365	EPR-22
7-7/16"				334*			LER-230	---	---[6]	---	TER-230	TER-230 V	410	---
7-5/8"					240*		LER-233	---	B-9784-146	650	TER-233	TER-233 V	350	EPR-23
7-13/16"			236*				LOR-165	AS-568-266	B-17024-167	725	TER-165	TER-165 V	390	---
7-13/16"				336*			LER-234	---	B-9784-148	750	TER-234	TER-234 V	390	---
7-15/16"	544*						LER-236	---	---[6]	---	TER-236	TER-236 V	385	EPR-24
8-5/16"					244*		LER-239	---	---[6]	---	TER-239	TER-239 V	315	EPR-25
8-3/8"			238*	338*			LER-240	---	---[6]	---	TER-240	TER-240 V	365	---
8-3/4"			240*				LER-244	---	B-9784-159	650	TER-244	TER-244 V	350	---
9-9/16"			244*				LER-248	---	---[6]	---	TER-248	TER-248 V	315	---

* = Standard shaft diameter, all others are optional shaft diameters
1 = Speed rating same as bearing speed rating; see bearing tables
2 = O-ring supplied with LOR is for replacement only, AS-568-### are industry standard O-rings available at most SKF authorized distributors
3 = B-10724-###'s are the SKF PosiTrac Plus seal and require the LOR
4 = For stepped shaft housing designs, the largest shaft diameter is the limiting speed limit
5 = Most taconite seals are made to order; contact SKF for availability, all "V"-ring versions are made to order
6 = Consult SKF Applications Engineering for options

Seal chart for SKF SDAF extended range adapter mount split pillow block housings[5]

Shaft diameter	S-1 SDAF 23000	S-1 SDAF 23100	S-1 SDAF 23200	Triple ring seal[1,4] Ring seal part number	Taconite seals[2,3] Contact seal	"V"-Ring seal	Speed limit rpm	End plugs
"8-15/16"			3248 KA*	ERF-914	TER-914	TER-914 V	280	X-5217-25
9"			3248 KA	ERF-828	TER-828	TER-828 V	280	X-5217-25
9-7/16"		3152 KA*	3252 KA*	ERF-891	TER-891	TER-891 V	275	X-5217-53
9-1/2"		3152 KA	3252 KA	ERF-842	TER-842	TER-842 V	275	X-5217-53
9-15/16"		3156 KA		ERF-845	TER-845	TER-845 V	270	X-5217-35
10"		3156 KA		ERF-820	TER-820	TER-820 V	270	X-5217-54
10-7/16"		3156 KA*	3256 KA*	ERF-973	TER-973	TER-973 V	260	X-5217-52
10-1/2"		3156 KA	3256 KA	ERF-840	TER-840	TER-840 V	260	X-5217-52
10-15/16"	3060 KA*	3160 KA*		ERF-858	TER-858	TER-858 V	280	X-5217-9
10-15/16"			3260 KA*	ERF-1002	TER-1002	TER-1002 V	270	X-5217-55
11"	3060 KA	3160 KA		ERF-825	TER-825	TER-825 V	275	X-5217-9
11"			3260 KA	ERF-1003	TER-1003	TER-1003 V	270	X-5217-55
11-7/16"	3064 KA*			ERF-861	TER-861	TER-861 V	270	X-5217-16
11-1/2"	3064 KA			ERF-832	TER-832	TER-832 V	265	X-5217-16
11-15/16"	3064 KA*			ERF-859	TER-859	TER-859 V	260	X-5217-3
11-15/16"		3164 KA*	3264 KA*	ERF-900	TER-900	TER-900 V	260	X-5217-43
12"	3064 KA			ERF-818	TER-818	TER-818 V	255	X-5217-3
12-7/16"	3068 KA*			ERF-865	TER-865	TER-865 V	250	X-5217-29
12-7/16"		3168 KA*	3268 KA*	ERF-975	TER-975	TER-975 V	250	---
12-1/2"	3068 KA			ERF-866	TER-866	TER-866 V	245	X-5217-29
12-15/16"	3072 KA*			ERF-869	TER-869	TER-869 V	240	X-5217-28
13"	3072 KA			ERF-846	TER-846	TER-846 V	235	X-5217-28
13-7/16"	3072 KA*	3172 KA*		ERF-872	TER-872	TER-872 V	230	X-5217-27
13-7/16"			3272 KA*	ERF-979	TER-979	TER-979 V	230	---
13-1/2"	3072 KA	3172 KA		ERF-823	TER-823	TER-823 V	225	X-5217-27
13-15/16"	3076 KA*	3176 KA*		ERF-875	TER-875	TER-875 V	215	X-5217-12
13-15/16"			3276 KA*	ERF-977	TER-977	TER-977 V	215	---
14	3076 KA	3176 KA		ERF-876	TER-876	TER-876 V	215	X-5217-12
14-15/16"	3080 KA*			ERF-882	TER-882	TER-882 V	200	---
14-15/16"		3180 KA*	3280KA*	ERF-976	TER-976	TER-976 V	200	---
15"	3080 KA*			ERF-847	TER-847	TER-847 V	200	X-5217-21
15-3/4"	3084 KA*			ERF-969	TER-969	TER-969 V	185	X-5217-23
15-3/4"		3184 KA*	3284 KA*	ERF-907	TER-907	TER-907 V	185	X-5217-5
16-1/2"	3088 KA*	3188 KA*	3288 KA*	ERF-958	TER-958	TER-958 V	180	---
17"	3092 KA*	3192 KA*		ERF-838	TER-838	TER-838 V	175	X-5217-48
18"	3096 KA*	3196 KA*		ERF-888	TER-888	TER-888 V	170	---
18-1/2"	230/500 KA*			ERF-978	TER-978	TER-978 V	170	---
19-1/2"	230/530 KA*			ERF-926	TER-926	TER-926 V	165	---

* = Standard shaft diameter, all others are optional shaft diameters
1 = Speed rating same as bearing speed rating; see bearing tables; not all optional shaft diameter ring seals are stocked items
2 = Taconite seals are made to order; contact SKF for availability
3 = The SKF preferred taconite seal design is a split bolt-on-taconite auxiliary cover
4 = Optional shaft diameters may require special machining so alternate ring seals or end plugs require review prior to ordering
5 = These housings are available in cast-Iron (SDAF), cast-steel (SDAFS) and ductile-iron (SDAFD)

Lubrication

Introduction

The information presented in this section is intended to provide the user with basic and practical information on the lubrication of split pillow blocks. It does not include a theoretical background. As the world leader in rolling bearing technology, SKF has extensive information available on the subject of bearing lubrication theory. Some of this information can be found in other SKF publications including the General Catalog (6000 EN) and the Bearing Installation and Maintenance Guide (140-710). If you have questions regarding bearing lubrication not addressed here or in these other SKF publications, please contact SKF Applications Engineering.

General

The primary function of lubrication is to prevent damaging metal to metal contact at the various sliding and rolling contact surfaces of the bearing. Metal to metal contact causes excessive rates of wear and can lead to premature bearing failure. The secondary function of lubrication is to protect the highly finished bearing surfaces from rust and corrosion. Lubrication can also be used to transfer heat from a bearing (circulating oil) and provide additional sealing (grease).

SKF split pillow block housings are designed to permit either grease, static oil bath, or circulating oil lubrication of the bearings inside. Most caps are drilled and tapped with two holes located at 30° off vertical centerline. The hole over the center of the housing is for the lubrication of spherical roller bearings which have the W33 feature (a groove and three holes around the outer ring). The second of the two holes is used for self-aligning ball bearings, which do not have the W33 feature. The housing bases are equipped with a drain hole on each side to aid in removing old lubricants or serve as an outlet for circulating oil. The reservoirs inside the housings are designed so that they maintain adequate quantities of either grease or oil for reliable long-term operation.

At speeds within the bearing grease speed rating and operating temperatures, which do not exceed approximately 180° F, grease is the simplest and most reliable form of lubrication. Grease has the additional advantage of affording excellent protection against rust and the intrusion of dirt. Application systems for grease are relatively simple and inexpensive when compared to those for oil.

At higher speeds and temperatures, grease relubrication intervals become unacceptably short and oil lubrication is highly recommended. Static oil baths and circulating oil systems can be used with SKF split pillow blocks with little or no modification to the blocks. Inlet and drain holes appropriate for most oil lubricated applications are standard on SKF split pillow blocks, and oil sight glasses and other special fittings can be provided. The level of the oil should be at the center of the lowermost ball or roller when the bearing is stationary. Refer to the "K" dimension in the housing dimension tables.

Circulating oil should be drained from both side drains of the pillow block. The drain piping must be adequately sized and arranged to allow the free drainage of oil. Too high of an oil level, or too large of a quantity of grease can result in high operating temperatures due to churning of the lubricant.

Lubrication

Grease

How does grease lubrication work?

Most greases consist of a lubricating oil (approx. 90%) suspended in a soap base (approx. 10%).

The latter merely acts to keep the oil in suspension. When moving parts of a bearing come in contact with the grease, a small quantity of oil will adhere to the bearing surfaces. Oil is therefore removed from the grease near the rotating parts. The oil that is picked up by the bearing is gradually broken down by oxidation or lost by evaporation, centrifugal force, etc. Bleeding of the grease should therefore take place to continue to supply a small quantity of oil, which is usually sufficient for satisfactory operation. But, needless to say, the bearing cannot function properly unless the supply of oil keeps up with the demand. This process cannot go on indefinitely. In time, the grease will oxidize or the oil in the grease near the rotating parts may be depleted.

When can grease be used?

For normally loaded applications, which operate without the effects of outside heat sources and where the bearings do not exceed the grease speed rating, grease lubrication is most often used. When loads are heavy, or bearings are subject to external heat sources or other extremes in ambient temperature, or speeds exceed the bearing grease speed rating, a bearing temperature analysis should be conducted to verify that expected operating temperatures are within acceptable limits, typically less than 180° F. SKF Applications Engineering can assist with this analysis.

What kind of grease should be used?

For most split pillow block applications, SKF recommends the use of a high quality, NLGI grade 1 or 2 consistency, lithium soap based grease with a mineral base oil. Consistency refers to the stiffness of a grease and is classified according to the National Lubricating Grease Institute (NLGI) of the United States. Higher NLGI numbers correspond to stiffer greases. In slow speed or low temperature applications, an NLGI 2 may channel excessively leaving the bearing without oil. In these applications, it may be necessary to use a softer grease, i.e. an NLGI 1 or 0. Please consult SKF Applications Engineering.

With respect to bearing lubrication, viscosity is another characteristic of the grease that should be evaluated. SKF Applications Engineering can help you determine the necessary viscosity at the bearing operating temperature to prevent metal to metal contact at the rolling contact surfaces. However, to prevent metal to metal contact at the sliding contact surfaces, the viscosity at the operating temperature should be at least 21 cSt (100 SUS) for spherical and toroidal (CARB) roller bearings and at least 13 cSt (70 SUS) for ball bearings. Note that the operating temperature of the bearing is typically 10° to 20° F warmer than the surface of the housing.

Although greases with soap bases other than lithium are often successfully used in the lubrication of bearings, it has been the experience of SKF that lithium soaps offer the best combination of high temperature stability, resistance to water, and durability in split pillow block applications. Greases with mineral base oils have long been the recommended type although synthetics, such as SHCs (synthetic hydrocarbons), are starting to gain favor due to their high temperature performance, i.e. they have higher oxidation resistance. As a general rule, greases with different soap bases, consistencies, or base oil types should not be mixed.

How much grease should be used?

For the majority of split pillow applications, at installation, the base of the housing should be packed 1/3 to 1/2 full and the bearing should be filled with grease by working it in between the rolling elements. As mentioned earlier, too much grease can result in high operating temperatures due to lubricant churning. For low speed applications, which operate in a heavily contaminated environment, the housing and bearing can be filled 100% with grease to provide additional sealing protection. The low speed should preclude the danger of high operating temperatures. For relubrication quantities and intervals, refer to the appropriate following sections.

Oil

SKF split pillow blocks are suitable for static oil bath and circulating oil methods of lubrication. Oil is generally used when high speeds or operating temperatures preclude the use of grease, when heat must be removed from the bearing, or when surrounding components are oil-lubricated.

What kind of oil should be used?

SKF recommends the use of a good quality, straight mineral oil without additives. The oil should be resistant to oxidation and gumming and obviously should not cause corrosion to any bearing or housing components. Oils containing additives for the improvement of certain lubricant properties such as extreme pressure behavior, aging resistance, anti-corrosion, etc., are generally only used in special cases. Synthetic oils are generally only considered for bearing lubrication in extreme cases, e.g. at very low or very high operating temperatures. It should be remembered that the lubricant film formation when using a synthetic oil may differ from that of a mineral oil having the same viscosity. For information concerning EP additives (in grease and oil), refer to the General Catalog (6000EN).

Viscosity is another characteristic that should be evaluated. SKF Applications Engineering can again be used to determine the minimum viscosity at the bearing operating temperature to prevent metal to metal contact at the rolling contact surfaces. However, to prevent metal to metal contact at the sliding contact surfaces, the viscosity at the operating temperature should be at least 21 cSt (100 SUS) for spherical and toroidal (CARB) roller bearings and at least 13 cSt (70 SUS) for ball bearings. Note that the operating temperature of the bearing is typically 10° to 20° F warmer than the surface of the housing.

How often should the oil be changed?

The frequency at which the oil must be changed is mainly dependent on the operating conditions and on the quantity of oil used.

Where oil bath lubrication is employed it is normally sufficient to change the oil once a year, provided the bearing temperature does not exceed 120° F (50° C) and there is no contamination. Higher temperatures or more arduous running conditions necessitate more frequent changes, e.g. at a temperature of 220° F (110° C) the oil should be changed every 3 months. For circulating oil systems the period between complete oil changes is dependent on how often the oil is circulated over a given period of time and whether it is cooled, etc. The most suitable period can generally only be determined by trial runs and frequent examination of the oil. The same practice also applies to oil jet lubrication.

Oil bath

A simple oil bath is suitable for low and moderate speed applications. The level of the oil should be at about the center of the lowermost ball or roller when the bearing is stationary. The dimension for this is given in the dimension tables as "K". For higher speeds, the level should be slightly lower to reduce the effects of lubricant churning or about $^1/_8$" above the corner of the outer ring sphere of the bearing. An oil sight glass must be used to monitor the oil level during operation. It mounts into one of the drain holes in the housing base. Additionally, for higher speeds, SKF can supply special seals which reduce oil leakage. SKF Applications Engineering can assist with determining the best sealing requirements.

The static oil level should be marked on the sight glass at installation and a running level should be marked immediately after start up. Depending on the type of bearing and the speed and direction of rotation, the running level will either rise or fall from the static level.

Circulating oil systems

Pressurized circulating oil, for auxiliary heat removal allows higher operation, and prolongs the life of the oil where operating conditions are usually severe such as in high temperature applications. Most commercial circulating oil systems have components which filter and cool the oil, creating the best possible operating condition for the bearing.

Oil is introduced through one of the inlet holes in the housing cap and drained from one or both sides of the base. For spherical roller bearings, oil should be put in through the center hole in the cap and drained from both sides of the base. For ball bearings and toroidal roller (CARB) bearings, oil should be put in through the offset hole in the cap and drained from the opposite side of the base so that oil is forced to go through the bearing before being outlet. Drains should lead downward immediately outside of the housing to prevent accumulation of oil in the housing. Horizontal drains must be avoided.

Additional considerations may be necessary when using circulating oil. These can include special seals, cross drillings in the housing, wet sump requirements, flow rates, and enlarging drain hole diameters. Please consult SKF Applications Engineering concerning these issues.

Lubrication

Comparative advantages of oil and grease

Advantages of grease

1. Maintenance work is ordinarily reduced since there are no oil levels to maintain and the addition of a new lubricant is required less frequently.
2. Grease in proper quantity is more easily confined to the housing. Design of enclosures can therefore be simplified.
3. Freedom from leakage is readily accomplished in food, textile, chemical industries and where contamination of products must be avoided.
4. Grease improves the efficiency of labyrinth enclosures and offers better protection for the bearing.
5. The friction torque and temperature rise are usually more favorable.

Advantages of oil

1. Oil is easier to drain and refill. This may be more desirable for applications requiring short lubricating intervals.
2. The correct amount of lubricant is more easily controlled.
3. Oil lends itself more readily to the lubrication of all parts of a machine.
4. Oil lends itself to applications with higher temperatures.

Protection against moisture

No rolling bearing lubricant has been developed, which will completely protect a bearing against moisture. However, rolling bearings are frequently used with success where moisture is present. The design of enclosures and lubrication systems requires careful consideration. Selection of the lubricant is important to minimize effects of some moisture entry.

Compounded oils are more water repellent than straight mineral oils and are, therefore, better able to keep moisture from the bearing surfaces. If, however, the oil is permitted to oxidize, it will be more destructive to the bearing surfaces when moisture is present.

A sodium-base grease will usually form a non-corrosive emulsion when mixed with a limited quantity of water. Agitation is necessary to form the emulsion. If water enters the bearing while there is no agitation from rotation, the bearing can become corroded. Because of the limited tolerance to water and the potential damage while static, sodium-base greases are losing favor to the water-repellent quite-stable lithium-base greases. Of course, the water-repellent grease must completely cover the bearing to protect it and so, attention must be paid to the static condition. Water-repellent grease is useful also in improving efficiency of labyrinth seals.

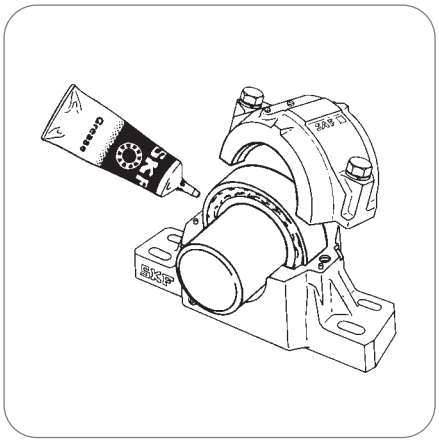
Initial grease charge for split pillow block housings

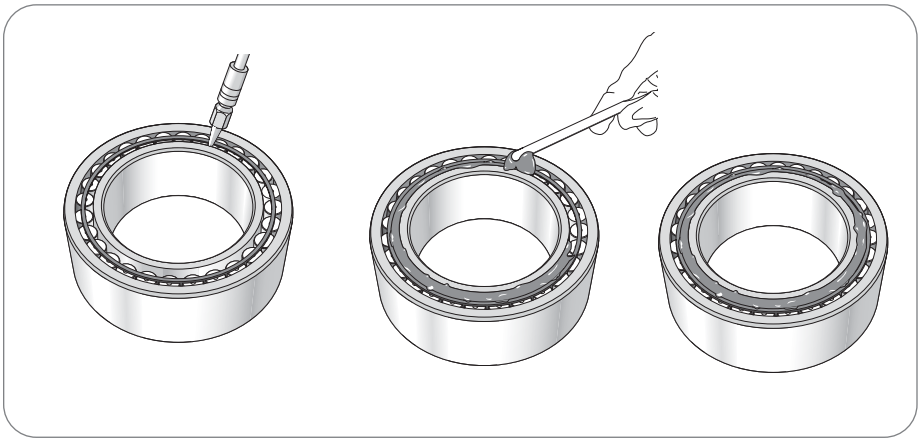
The recommended initial grease charge (weight) for split pillow block and bearing assemblies are listed in the accompanying tables. Values apply for spherical roller bearings, toroidal roller (CARB) bearings and self-aligning ball bearing units. The initial charge is intended to fill approximately 1/2 of the free space in the housing cavities and should be used for applications operating at slow to moderate speeds under 2/3 of the grease speed rating shown in the bearing tables. For higher operating speeds or applications running in clean environments, the recommended initial grease charge may be reduced by approximately 1/3 in order to minimize churning. For operation over the bearing grease speed ratings or less than 10 rpm, consult SKF Applications Engineering.

At initial assembly of the unit, spherical roller bearings and self-aligning ball bearings should be internally packed 100% around the cage and rolling elements. Toroidal roller (CARB) bearings should be filled approximately 50% full of grease at installation with that grease being placed under the cage totally filling the space between the cage and inner ring. The remainder of the grease should be applied to the side cavities in the housing base and the labyrinth grooves of the ring seals.

Initial grease charge for SAF pillow block assemblies

SAF	SAF	SAF	SAF	SAF	Initial charge oz	Initial charge lbs
		507			2.5	
		509			3.0	
		510			4.0	
	308				4.5	
	309		609		5.0	
		511			5.0	
	310		610		6.5	
		513			7.5	
	311		611		8.0	
		515			9.0	
	312				10.0	
216	313	516	613		13.0	
217		517			13.0	
	314				14.0	
218	315	518	615		14.0	
	316		616		16.0	
	317		617		20.0	
220		520		024	21.0	
	318		618		22.0	
222		522		026	28.0	
224	320	524	620	028	40.0	
226	322	526	622	030		3 1/4
				032		3 1/4
228		528		034		3 1/4
230	324	530	624			3 3/4
232	326	532	626	036		4 1/4
				038		4 1/4
234	328	534	628	040		5 1/4
236	330	536	630			6
238	332	538	632	044		7 1/4
240	334	540	634	048		8 1/2
244	338	544	638	052		11 1/2
	340		640	056		15 1/2





Lubrication

Initial grease charge for SDAF pillow block assemblies (estimate)

SDAF	SDAF	SDAF	SDAF	Initial charge oz	lbs
219	316		616	16	
220	317	520	617	20	
	318		618	21	
222	319	522		27	
224	320	524	620	32	
226	322	526	622	44	
228		528		44	
230	324	530	624		3
232	326	532	626		$3\frac{3}{4}$
234	328	534	628		$4\frac{3}{4}$
236	330	536	630		$5\frac{1}{2}$
238	332	538	632		$6\frac{1}{2}$
240	334	540	634		8
	336		636		9
244	338	544	638		$10\frac{1}{2}$
	340		640		12

Initial grease charge for SAW pillow block assemblies (estimate)

SAW	SAW	Initial charge oz	lbs
220	520	26	
222	522	34	
224	524	40	
226	526		3
228	528		$3\frac{3}{4}$
230	530		$4\frac{1}{2}$
323	532		$5\frac{1}{2}$
234	534		$6\frac{1}{2}$
236	536		7
238	538		$8\frac{1}{2}$
240	540		10
244	544		$13\frac{1}{4}$

Initial grease charge for SDAF extended range pillow block assemblies (estimate)

SDAF extended range			lbs
	3152	3248	10
3060	3156	3252	15
3064	3160	3256	15
3072	3164		18
3076		3260	20
	3168	3264	22
3080	3172	3264	25
3084	3176		21
3088	3180	3268	27
		3272	32
3092		3276	32
3096	3184		40
	3188		38
30/500		3280	44
30/530	3192	3284	46
	3196	3288	47
		3292	60
		3296	60

Due to the special engineering nature of these housings, please consult with SKF Applications Engineering for custom lubrication recommendations.

Shaft fits for split pillow block housings

The following chart shows the recommended shaft diameter tolerance for split pillow block housings. S-1 refers to the shaft diameter for an adapter mount bearing and S-2 & S-3 refer to the shaft diameter under the seal for cylindrical mounted bearings.

The values S-1, S-2, and S-3 can be found in the product tables starting on page 358. The bearing seat diameter should be selected from the bearing fit tables in the Bearing Installation and Maintenance Guide (SKF publication # 140-710).

Shaft tolerance for split pillow block mountings

Nominal dia. In		For adapter mounting Dia. tolerance limits In	For cylindrical mounting Dia. tolerance limits In
Over	Including	S-1	S-2 and S-3
1/2	1	0.000 –0.002	—
1	2	0.000 –0.003	0.000 –0.003
2	4	0.000 –0.004	0.000 –0.003
4	6	0.000 –0.005	0.000 –0.003
6	10	0.000 –0.006	0.000 –0.004
10	15	0.000 –0.006	0.000 –0.005
15		0.000 –0.006	0.000 –0.006

Housing loads for split pillow blocks

The selection of a rolling bearing pillow block depends not only on determining adequate service life of the bearing for the operating conditions of the application, but also on the adequacy of the housing to safely accommodate the magnitude and characteristics of all applied loading.

Split pillow blocks are designed for predominantly vertical loads directed through the base. If the load direction is otherwise, care must be taken to see that the housing selected has sufficient strength. It must have an adequate factor of safety against fracture and be properly assembled to carry the loading involved.

Proper assembly techniques dictate that the housing cap and base bolts be torqued to achieve preload during installation, to avoid elastic separation of the mating parts under load and to resist gradual loosening over time. To obtain full fatigue resistance of the bolts, care in following recommended torque requirements is of particular importance; especially when the assembly is subjected to the action of cyclic loading and dynamic imbalance.

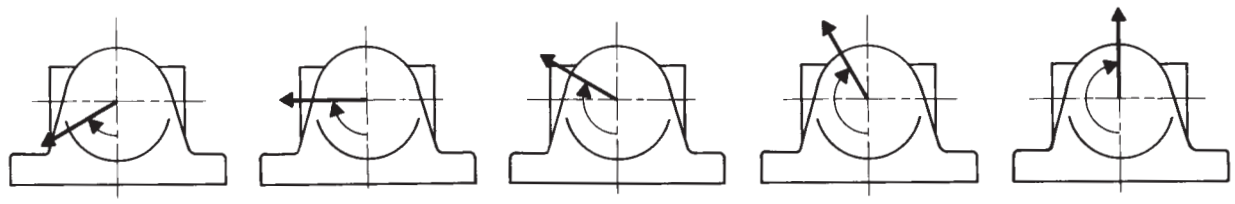
The tabulations on pages 352-356 show the approximate safe loading for different directions of load. These guideline limits have been established using accepted engineering practices with consideration given to safety, ultimate tensile strength of the materials used and working stresses to reflect a safety factor of 5 against base fracture, and a minimum factor of 2 against cap bolt yield.

When the loading acts at an angle between 60° and 120°, or if the axial direction exceeds 25% of the P180° value shown in the tables, it is recommended that the housing be doweled to its mounting surface. Starting dimples are provided on the feet of most housings, which can be drilled for dowel pins. Alternatively, the mounting surface may be provided with positive stops or "shear blocks" to locate the housing in the direction of load.

The maximum permissible axial loading that can be safely carried by the pillow block assembly depends on various considerations in addition to the operational performance abilities of the bearing. For a purely axial force under static or dynamic conditions, the permissible load on the pillow block casting should not exceed 65% of P180°. Additionally for adapter mounted assemblies the axial load rating to safely prevent slippage on the shaft can be found in the tables on page 357.

Split pillow blocks (inch series)

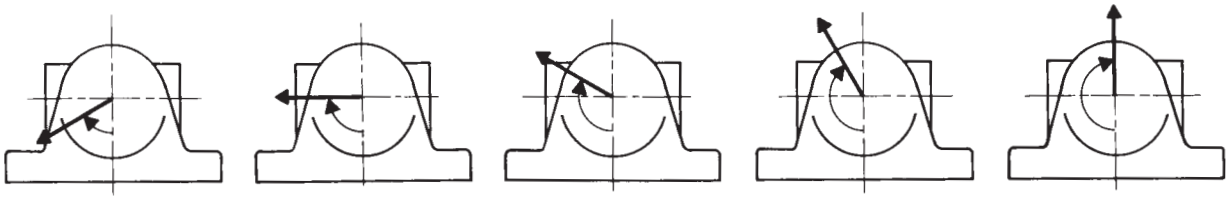
Housing loads
SAF style cast-iron
(values in pounds force)



P 60° P 90° P 120° P 150° P 180°

Pillow block housing designation						Recommended safe loads					Cap bolt information		
SAF	SAF	SAF	SAF	SAF	Style	P 60°	P 90°	P 120°	P 150°	P 180°	Cap bolt (no.) size	Torque	SAE grade
						lbf					in	ft-lbs	
			509		M5	4700	2800	1700	1500	1800	(2) 7/16-14	45	5
		308			A	7300	4400	2800	2500	3100	(2) 1/2-13	110	8
			510		M5	6500	3900	2500	2200	2800	(2) 7/16-14	45	5
		309		609	A	7900	4700	3000	2700	3300	(2) 1/2-13	110	8
			511		M5	10100	6100	3900	3500	4300	(2) 1/2-13	60	5
		310		610	A	8800	5300	3200	2900	3500	(2) 1/2-13	110	8
			513		M5	11300	6800	4000	3600	4300	(2) 1/2-13	60	5
		311		611	A	9700	5800	3600	3300	4000	(2) 1/2-13	110	8
		*311		*611	A	8000	4800	3000	2700	3200	(2) 1/2-13	110	8
		312			A	11100	6700	4100	3700	4500	(2) 1/2-13	110	8
		*312			A	9500	5700	3500	3100	3800	(2) 1/2-13	110	8
			515		M5	17000	10200	6300	5700	6800	(2) 1/2-13	60	5
			*515		M5	12200	7300	4500	4100	5000	(2) 1/2-13	60	5
		313		613	A	18700	11200	6800	6000	7100	(2) 5/8-11	220	8
		*313		*613	A	13600	8100	4900	4400	5200	(2) 5/8-11	220	8
216			516		M5	18700	11200	6800	6000	7100	(2) 5/8-11	110	5
*216			*516		M5	13600	8100	4900	4400	5200	(2) 5/8-11	110	5
		314			A	20800	12500	7800	6900	8500	(2) 5/8-11	220	8
		*314			A	20800	12500	7800	6900	8500	(2) 5/8-11	220	8
217			517		M5	19000	11400	7100	6400	7800	(2) 5/8-11	110	5
*217			*517		M5	13800	8300	5200	4700	5700	(2) 5/8-11	110	5
218			518		M5	27200	16300	10200	9100	11200	(2) 5/8-11	110	5
*218			*518		M5	22800	13700	8600	7800	9500	(2) 5/8-11	110	5
		315		615	A	27200	16300	10200	9100	11200	(2) 5/8-11	220	8
		*315		*615	A	22800	13700	8600	7800	9500	(2) 5/8-11	220	8
		316		616	A	19300	11600	7200	6500	7800	(2) 3/4-10	380	8
		*316		*616	A	20800	12500	7600	6900	8300	(2) 3/4-10	380	8
		317		617	A	21200	12700	8000	7200	8600	(2) 3/4-10	380	8
		*317		*617	A	23300	14000	8800	8000	9600	(2) 3/4-10	380	8
220	024		520		M5	30500	18300	11400	10400	12500	(2) 3/4-10	150	5
*220	*024		*520		M5	26700	16000	10000	9000	11000	(2) 3/4-10	150	5
		318		618	A	28800	17300	11000	10000	12200	(2) 3/4-10	380	8
222	026		522		M5	33400	20000	12500	11400	13700	(2) 3/4-10	150	5
224			524		M5	41700	25000	16300	15000	18300	(2) 1-8	295	5
	028	320		620	A	41700	25000	16300	15000	18300	(2) 1-8	900	8
226			526		M5	42500	25500	16600	15300	19000	(2) 1-8	295	5
	030/032	322		622	A	42500	25500	16600	15300	19000	(2) 1-8	900	8
228	034		528		M5	55900	33500	21200	19300	23200	(2) 1-8	295	5
230		324	530	624	A	51700	31000	19600	18000	21600	(4) 3/4-1	380	8
232	036/038	326	532	626	A	50900	30500	19300	17600	21200	(4) 3/4-10	380	8
234	040	328	534	628	A	52600	31500	19300	17300	20800	(4) 3/4-10	380	8
236		330	536	630	A	52600	31500	19000	17000	20000	(4) 3/4-10	380	8
238	044	332	538	632	A	65100	39000	24000	21200	25500	(4) 7/8-9	600	8
240	048	334	540	634	A	81800	49000	30500	27000	32500	(4) 7/8-9	600	8
244	052	338	544	638	A	95100	57000	36000	32500	39000	(4) 1-8	900	8
	056	340		640	A	101000	61000	38000	34000	41500	(4) 1 1/2-6	870	2

*When the bearing housing can be supplied with either a two- or four-bolt base, the asterisk indicates allowable loads for the four-bolt base option
Grade 5 cap bolt torques are based on manufacturing processes. Increased tightening torques may be required for critical applications.
Consult SKF Applications Engineering for further details.



P 60° P 90° P 120° P 150° P 180°

Pillow block housing designation						Recommended safe loads					Cap bolt information		
SAFS	SAFS	SAFS	SAFS	SAFS	Style	P 60°	P 90°	P 120°	P 150°	P 180°	Cap bolt (no.) size	Torque	SAE grade
						lbf					in	ft-lbs	
			515		L	23300	13400	8300	7500	9000	(2) 1/2-13	110	8
			*515		L	17000	10200	6400	5700	6900	(2) 1/2-13	110	8
216			516		L	31000	18600	11200	10000	11800	(2) 5/8-11	220	8
*216			*516		L	31000	18600	11200	10000	11800	(2) 5/8-11	220	8
217			517		L	17700	10600	6500	6000	7200	(2) 5/8-11	220	8
*217			*517		L	18700	11200	7100	6400	7600	(2) 5/8-11	220	8
218			518		N	31700	19000	12000	10800	13200	(4) 1/2-13	110	8
*218			*518		N	35400	21200	13400	12200	14600	(4) 1/2-13	110	8
220	024		520		N	31700	19000	11800	10800	12900	(4) 5/8-11	220	8
*220	*024		*520		N	39400	23600	14600	13200	16000	(4) 5/8-11	220	8
222	026		522		N	40000	24000	15000	13400	16300	(4) 5/8-11	220	8
224			524		M7	55900	33500	21200	19600	24000	(4) 5/8-11	220	8
	028	320		620	N	55900	33500	21200	19600	24000	(4) 5/8-11	220	8
226	030	322	526	622	N	69300	41500	28000	26500	34000	(4) 3/4-10	380	8
	032				N	69300	41500	28000	26500	34000	(4) 3/4-10	380	8
228			528		N	67600	40500	26000	23600	28500	(4) 7/8-9	600	8
	034				N	67600	40500	26000	23600	28500	(4) 7/8-9	600	8
230		324	530	624	N	88500	53000	33500	30500	36500	(4) 7/8-9	600	8
232	036	326	532	626	N	77600	46500	30000	27000	32500	(4) 7/8-9	600	8
	038				N	77600	46500	30000	27000	32500	(4) 7/8-9	600	8
234	040	328	534	628	N	77600	46500	28500	25500	30000	(4) 1-8	900	8
238		330	536	630	L	120200	72000	44000	39000	45500	(2) 1 3/8-6	2380	8
238	044	332	538	632	N	93500	56000	34000	30500	36000	(4) 1 1/8-7	1280	8
240	048	334	540	634	N	125200	75000	46500	41500	50000	(4) 1 1/4-7	1820	8
244	052	338	544	638	N	155300	93000	58500	53000	64000	(4) 1 1/2-6	3160	8
	056	340		640	N	150300	90000	56000	50000	60000	(4) 1 1/2-6	3160	8

*When the bearing housing can be supplied with either a two- or four-bolt base, the asterisk indicates allowable loads for the four-bolt base option

SAF A-style

Taking advantage of technological advances in design and manufacturing the SAF A-style housing offers a high mechanically efficient design having significantly improved upward load capacity for greater safety and reliability with a minimum of material weight. Of modern functional appearance, and a choice of 2- or 4-bolt mounting variations, the SAF A housing interchanges with previous designs and complies with all industry mounting dimensions.

In addition to its superior upward strength, the following features have been added:

- Pry slots for easier cap removal
- All cap bolts supplied of heat treated, high tensile material for improved strength and maximum safety
- Large sump design for use with either grease or oil
- Flat square foot for proper base bolt seating and proper assembly alignment during installation
- Cast-in dimples in the base for dowel pin drilling during field installations

SAF L-style

The SAF L-style is the classic 2-bolt cap design, which established the SAF interchange dimensions within the industry.

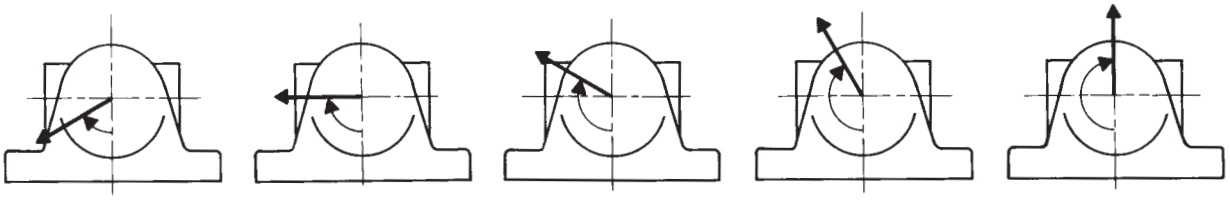
SAF N-style

The SAF N-style is a rugged, 4-bolt cap design available only in the largest SAFS sizes where the cast-in lifting grips on each side of the cap provide ease of handling whether manually or with a sling.

SAF M5-style

The SAF M5 style incorporates modern technology to optimize its design, thus offering high mechanical efficiency while reducing the housing weight. The optimized foot design removes the old gussets and still maintains housing strength. The sump has been maximized and is suitable for grease or oil lubrication, while the cast-in oil drain back feature reduces leakages. The newly designed under-coring allows for uniform material cooling when cast, while the foot hole and center cross supports improve housing bore roundedness. Additionally, SKF has patented a grease guiding system for side lubrication.

Housing loads
SAW style cast-iron
(values in pounds force)

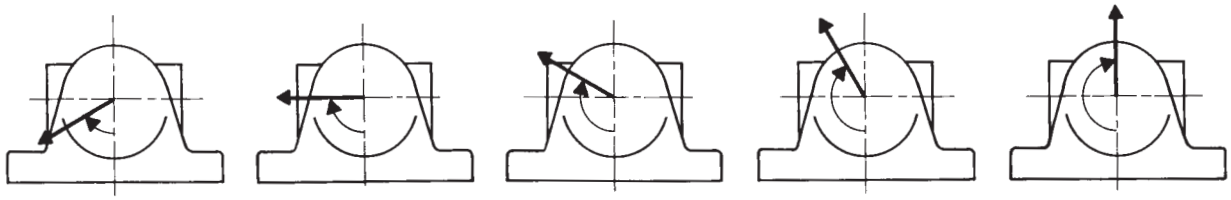


P 60° P 90° P 120° P 150° P 180°

Pillow block housing designation SAW	Style	Recommended safe loads P 60°	P 90°	P 120°	P 150°	P 180°	Cap bolt information Cap bolt (no.) size	Torque	SAE grade
		lbf					in	ft-lbs	
520	A	26720	16000	10000	9000	1100	(2) 3/4-10	380	8
526	A	42585	25500	16600	15300	19000	(2) 1-8	900	8
528	N	43420	26000	16600	15000	18300	(4) 7/8-9	165	2
538	A	65130	39000	24000	21200	25500	(4) 7/8-9	600	8
540	A	81830	49000	30500	27000	32500	(4) 7/8-9	600	8
544	A	95190	57000	36000	32500	39000	(4) 1-8	900	8

Housing loads
SDAF style cast-iron
(values in pounds force)

Housing loads
SDAFS cast-steel
(values in pounds force)



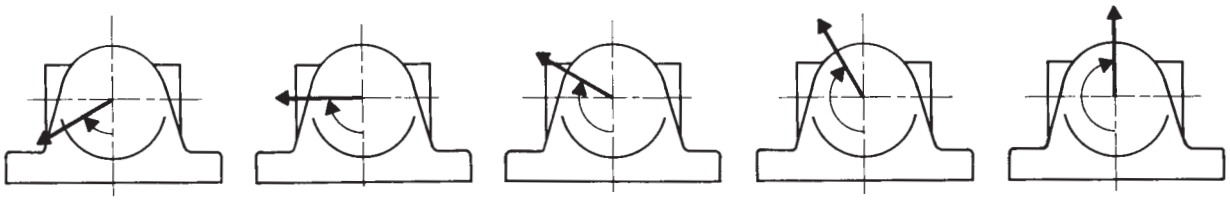
P 60° P 90° P 120° P 150° P 180°

Pillow block housing designation					Recommended safe loads					Cap bolt information		
SDAF	SDAF	SDAF	SDAF	SDAF	P 60°	P 90°	P 120°	P 150°	P 180°	Cap bolt (no.) size	Torque	SAE grade
					lbf					in	ft-lbs	
220	317	520	617	—	40080	24000	15000	13700	16600	(4) 3/4-10	175	2
	318		618	—	45925	27500	17300	16000	19300	(4) 3/4-10	175	2
222		522		—	51770	31000	19600	17600	21200	(4) 7/8-9	165	2
224	320	524	620	—	54000	36500	23600	21600	26500	(4) 7/8-9	165	2
226	322	526	622	—	60120	36000	23600	21600	27000	(4) 7/8-9	165	2
230	324	530	624	—	85170	51000	32000	29000	35500	(4) 1 1/8-7	350	2
232	326	532	626	—	83500	50000	31500	28500	34500	(4) 1 1/8-7	350	2
236	330	536	630	—	90180	54000	32500	29000	34500	(4) 1 1/4-7	500	2
238	332	538	632	—	127755	76500	47500	43000	52000	(4) 1 1/4-7	500	2
240	334	540	634	—	150300	90000	56000	50000	60000	(4) 1 1/4-7	500	2
	336		636	—	141950	85000	53000	48000	57000	(4) 1 3/8-6	660	2
244	338	544	638	—	152805	91500	57000	52000	63000	(4) 1 3/8-6	660	2
	340		640	—	144455	86500	54000	49000	58500	(4) 1 3/8-6	660	2

NOTE: A higher safe load may be achieved by using high-tensile cap bolts of SAE grade 5 or higher; consult SKF Applications Engineering for this variation

Pillow block housing designation					Recommended safe loads					Cap bolt information		
SDAFS	SDAFS	SDAFS	SDAFS	SDAFS	P 60°	P 90°	P 120°	P 150°	P 180°	Cap bolt (no.) size	Torque	SAE grade
					lbf					in	ft-lbs	
222		522		—	81830	49000	30500	27500	33500	(4) 7/8-9	600	8
224	320	524	620	—	95190	57000	36500	33500	41500	(4) 7/8-9	600	8
226	322	526	622	—	88510	53000	34500	32000	40000	(4) 7/8-9	600	8
232	326	532	626	—	130260	78000	49000	44000	54000	(4) 1 1/8-7	1280	8
236	330	536	630	—	141950	85000	51000	45500	54000	(4) 1 1/4-7	1820	8
238	332	538	632	—	203740	122000	75000	68000	81500	(4) 1 1/4-7	1820	8
240	334	540	634	—	238810	143000	88000	80000	95000	(4) 1 1/4-7	1820	8
	336		636	—	228790	137000	85000	76500	91500	(4) 1 3/8-6	2380	8
244	338	544	638	—	250500	150000	95000	85000	102000	(4) 1 3/8-6	2380	8
	340		640	—	228790	137000	85000	76500	93000	(4) 1 3/8-6	2380	8

Housing loads
SDAF cast-iron
(values in pounds force)



P 60° P 90° P 120° P 150° P 180°

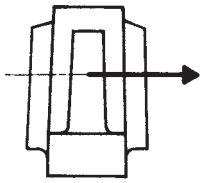
Pillow block designation			Recommended safe loads (class 40 cast-iron)						Cap bolt information		
SDAF	SDAF	SDAF	P 60°	P 90°	P 120°	P 150°	P 180°	P axial	Cap bolt (no.) size	Torque	SAE grade
			lbf						in	ft-lbs	
	3152	3248	294000	176000	110000	98000	118000	76500	(4) 1 1/2-6	1950	5
3060	3156	3252	408000	245000	156000	143000	176000	114000	(4) 1 1/2-6	1950	5
3064	3160	3256									
3068	3160	3256									
3072	3164	3260	442000	265000	170000	153000	186000	120000	(4) 1 3/4-5	2280	5
3076											
	3168	3264	517000	310000	200000	186000	228000	148000	(4) 1 7/8-5	2860	5
3080	3172	3268	650000	390000	245000	224000	275000	180000	(4) 1 3/4-5	2280	5
3084	3176										
3088	3180	3272	717000	430000	275000	250000	305000	198000	(4) 1 7/8-5	2860	5
3092		3276									
3096	3184	3280	1050000	630000	405000	375000	465000	302000	(4) 2-4 1/2	3440	5
30/500	3188										
30/530	3192	3284	900000	540000	345000	320000	400000	260000	(4) 2 1/4-4 1/2	5030	5
	3196	3288									

SDAF extended range pillow blocks are designed to predominantly support vertical loads directly through the housing base. In this general direction, the permissible load carrying ability of the pillow block assembly is dependent solely on the bearing. The standard engineering material for all extended range housings is class 40 cast-iron to ASTM A48B, which provides high load capability at an economical cost for most heavy industrial applications. However, if the load direction is not perpendicular to the base, engineering care should be taken to assure that the housing selection, which includes the choice of material, will provide adequate strength to assure factor of safety against fracture or yield. For these custom assemblies, SKF offers alternate cast-steel and ductile-iron materials for improved impact resistance and strength.

The tabulation above shows the recommended safe loads for extended range housing for nominal directions of loading. These guidelines refer to class 40 cast-iron material and have been established using accepted engineering practices with full consideration given to safety, the ultimate tensile strength of the material, and working stresses to reflect a safety factor of 5 for the pillow block casting, and a minimum factor of 2 on the cap bolts.

To determine the improved loading capabilities with alternate materials, the values in the tabulation may be multiplied by the factor 1.2 for cast-steel, or the factor 1.5 for ductile-iron. All cast-steel and ductile-iron assemblies are additionally equipped with SAE grade 8 cap bolts to fully accommodate these higher load carrying potentials.

When the application loading acts at an angle between 60° and 120°, or if the axial direction exceeds 25% of the P180° value shown in the table, it is recommended that the housing be doweled to its mounting surface. Alternatively, the mounting surface may be provided with positive stops or “shear blocks” to locate the housing in the direction of load. It is recommended that SKF Applications Engineering be contacted for complete review of load carrying abilities and mounting requirements.



The full axial load carrying ability of an adapter mounted pillow block assembly is dependent upon the friction fit between the adapter sleeve and the shaft. Provided that the bearing is properly mounted in accordance with the SKF approved mounting method, the permissible axial holding power for adapter mountings are shown in the table below.

Shaft dia.	**Bearing size**[2]	**Safe axial load**[1]								
S-1		SAF 15	SAF 225 SDAF 225	SAW 235	SAF 16	SAF 226 SDAF 226	SAF 230	SDAF extended range 230	 231	 232
in		lbf								
1 7/16	09	570	695		765	1100				
1 11/16	10	670	780		915	1340				
1 15/16	11	780	930		1080	1560				
2 3/16	13	1000	1370		1460	2120				
2 7/16	15	1270	1560		1860	2800				
2 11/16	16	1400	1760		2120	3150				
2 15/16	17	1600	2080		2360	3450				
3 3/16	18		2450		2600	3900				
3 7/16	20		3100	4070	3150	4900				
3 15/16	22		3900	5180	3750	6000				
4 3/16	24		4650	6150		6950	3750			
4 7/16	26		5600	7010		8150	4550			
4 15/16	28		6400	8310		9650	5000			
5 3/16	30		7350	9710		11000	5700			
5 7/16	32		8650	11200		12200	6400			
5 15/16	34		9800	12600		13700	7650			
6 7/16	36		10400	13600		15300	9000			
6 15/16	38		11800	15400		17000	9650			
7 3/16	40		13200	17300		18600	11000			
7 15/16	44		16000	21400			13400			
8 15/16	48						15000			26000
9 7/16	52						18300		25000	30500
10 7/16	56						20000		27500	33000
10 15/16	60							24000	32000	39000
11 15/16	64							26000	38000	45000
12 7/16	68							30500	43500	51000
13 7/16	72							32500	46500	56000
13 15/16	76							34500	49500	61500
15	80							40000	54000	69000
15 3/4	84							42500	63000	77000
16 1/2	88							46500	67000	83000
17	92							50500	74500	
18	96							53000	80000	
18 1/2	/500							56000		
19 1/2	/530							66000		

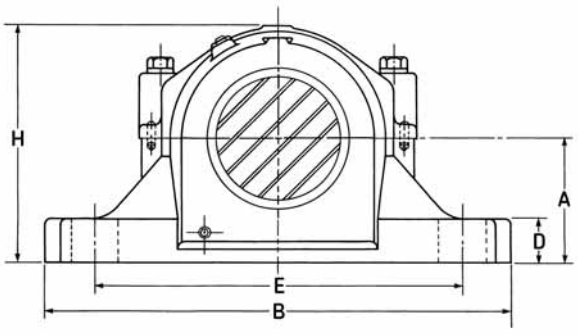
[1]Applies for both cast-iron and cast-steel housings
[2]Last two figures in bearing designation

Split pillow blocks (inch series)

Ball bearing / cylindrical mount

SAF 1300
Two-piece cast-iron housing
Self-aligning / 1300 series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	SAF 1320
Option	Specify
Four-bolt base	FSAF 1320
One end closed	SAF 1320Y
PosiTrac Plus seals	SAF 1320TLC
Taconite seal	SAF 1320T
Cast-steel	SAFS 1320



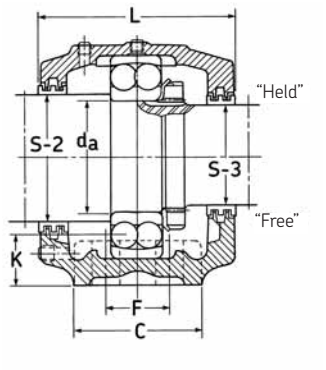
Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 81; for other seal speed limits see pages 339-342.

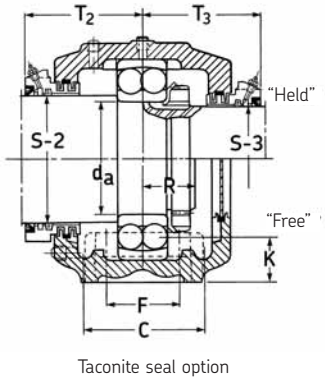
Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER/LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
40	$1^{15}/_{16}$	$1^{7}/_{16}$	**SAF 1308**	1308E	7 600	6 700	N 08	W 08	SAF 308	SR 1608	LER 24	LER 17	EPR 3	TER 24	TER 17	14
45	$2^{1}/_{8}$	$1^{11}/_{16}$	**SAF 1309**	1309E	8 770	6 300	N 09	W 09	SAF 309	SR 1609	LER 28	LER 20	EPR 4	TER 28	TER 20	18
50	$2^{3}/_{8}$	$1^{7}/_{8}$	**SAF 1310**	1310E	9 800	5 600	N 10	W 10	SAF 310	SR 1610	LER 35	LER 23	EPR 5	TER 35	TER 23	21
55	$2^{9}/_{16}$	$2^{1}/_{16}$	**SAF 1311**	1311E	11 400	5 000	N 11	W 11	SAF 311	SR 1611	LER 40	LER 27	EPR 6	TER 40	TER 27	25
60	$2^{7}/_{8}$	$2^{1}/_{4}$	**SAF 1312**	1312E	13 200	4 500	N 12	W 12	SAF 312	SR 1612	LOR 47	LOR 33	EPR 7	TER 47	TER 33	29
65	$3^{1}/_{16}$	$2^{7}/_{16}$	**SAF 1313**	1313E	14 600	4 300	N 13	W 13	SAF 313	SR 1613	LOR 55	LOR 37	EPR 7	TER 55	TER 37	35
70	$3^{1}/_{4}$	$2^{5}/_{8}$	**SAF 1314**	1314	16 700	4 000	N 14	W 14	SAF 314	SR 1614	LOR 64	LOR 43	EPR 8	TER 64	TER 43	40
75	$3^{7}/_{16}$	$2^{13}/_{16}$	**SAF 1315**	1315	17 800	3 800	AN 15	W 15	SAF 315	SR 1615	LOR 79	LOR 46	EPR 8	TER 79	TER 46	44
80	$3^{5}/_{8}$	3	**SAF 1316**	1316	19 900	3 600	AN 16	W 16	SAF 316	SR 1616	LOR 84	LOR 60	EPR 10	TER 84	TER 60	63
85	$3^{15}/_{16}$	$3^{3}/_{16}$	**SAF 1317**	1317	21 900	3 400	AN 17	W 17	SAF 317	SR 1617	LOR 109	LOR 188	EPR 11	TER 109	TER 188	66
90	$4^{1}/_{8}$	$3^{3}/_{8}$	**SAF 1318**	1318	26 300	3 200	AN 18	W 18	SAF 318	SR 1618	LOR 112	LOR 191	EPR 11	TER 112	TER 191	86
100	$4^{1}/_{2}$	$3^{13}/_{16}$	**SAF 1320**	1320	32 200	2 800	AN 20	W 20	SAF 320	SR 1620	LOR 118	LOR 106	EPR 12	TER 118	TER 106	97
110	$4^{7}/_{8}$	$4^{3}/_{16}$	**SAF 1322**	1322	36 600	2 400	AN 22	W 22	SAF 322	SR 1622	LOR 121	LOR 113	EPR 14	TER 121	TER 113	132

Sizes SAF 1308 - SAF 1310, two-bolt base only;
Sizes SAF 1311 - SAF 1317, two-or four-bolt base options;
Sizes SAF 1318 - SAF 1322, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Ball bearing / cylindrical mount

SAF 1300
Two-piece cast-iron housing
Self-aligning / 1300 series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 1320**
Option	Specify
Four-bolt base	FSAF 1320
One end closed	SAF 1320Y
PosiTrac Plus seals	SAF 1320TLC
Taconite seal	SAF 1320T
Cast-steel	SAFS 1320

Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 81; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	**Bolts** (no. req'd)	R	T_2	T_3
	in													
SAF 1308	2 1/2	8 1/4	2 3/8	1	7	6 1/2	—	4 13/16	1 7/32	4	(2)-1/2	1 1/64	3 1/2	3 9/32
SAF 1309	2 3/4	9 5/8	2 3/4	1	7 7/8	7 3/8	—	5 15/16	1 5/16	4 1/4	(2)-5/8	1 1/16	3 9/16	3 9/16
SAF 1310	3	10 5/8	2 3/4	1 1/8	9	7 3/4	—	5 13/16	1 7/16	4 5/8	(2)-5/8	1 5/32	3 3/4	3 3/4
SAF 1311	3 1/4	11	3 1/8	1 3/16	9 1/2	8 1/8	2	6 3/16	1 1/2	5	(2)-5/8, (4)-1/2	1 3/16	3 7/8	3 7/8
SAF 1312	3 1/4	11 1/4	3 1/8	1 3/16	9 5/8	8 5/8	1 7/8	6 3/8	1 3/8	5 1/4	(2)-5/8, (4)-1/2	1 1/4	4 3/32	4 1/16
SAF 1313	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 7/16	5 5/16	(2)-3/4, (4)-5/8	1 11/32	4 1/8	4 1/8
SAF 1314	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 3/8	1 9/16	5 3/8	(2)-3/4, (4)-5/8	1 3/8	4 5/32	4 1/8
SAF 1315	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 11/16	5 7/8	(2)-3/4, (4)-5/8	1 15/32	4 1/2	4 1/2
SAF 1316	4 1/4	14 1/4	3 7/8	1 3/4	12 5/8	10 5/8	2 1/8	8 1/4	1 13/16	6 1/2	(2)-3/4, (4)-5/8	1 1/2	4 19/32	4 19/32
SAF 1317	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 7/8	6 3/4	(2)-7/8, (4)-3/4	1 9/16	4 11/16	4 19/32
SAF 1318	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 1/4	2	6 7/8	(4)-3/4	1 11/16	4 3/4	4 19/32
SAF 1320	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 3/16	7 3/8	(4)-3/4	1 27/32	5	5
SAF 1322	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 1/2	8 1/8	(4)-7/8	1 15/16	5 1/4	5 3/8

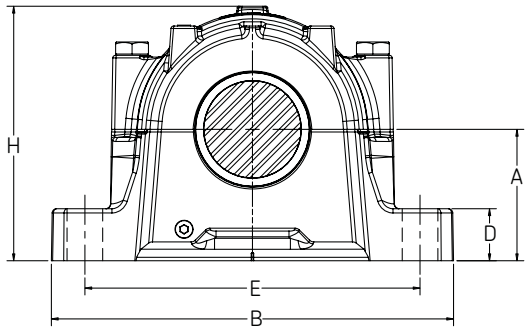
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Ball bearing / adapter mount

SAF 1500
Two-piece cast-iron housing
Self-aligning / 1200 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	SAF 1515
Option	Specify
Four-bolt base	FSAF 1515
One end closed	SAF 1515Y
PosiTrac Plus seals	SAF 1515TLC
Taconite seals	SAF 1515T
Optional shaft size	SAF 1515 x $2^{1}/_{2}$
Cast-steel	SAFS 1515



Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 80; for other seal speed limits see pages 339-342.

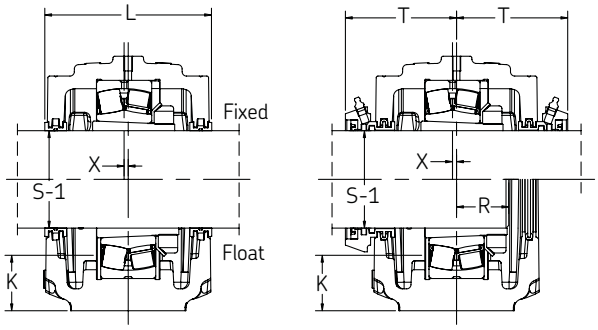
Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (no. req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$1^{3}/_{16}$	—	**SAF 1507**	1207 EK	4 270	9 000	SNW 7	SAF 507	(1) SR 7-6	LER 14	EPR 2	TER 14	8
$1^{7}/_{16}$	$1^{3}/_{8}$, $1^{1}/_{2}$	**SAF 1509**	1209 EK	5 150	7 500	SNW 9	SAF 509	(1) SR 9-0	LER 17	EPR 3	TER 17	11
$1^{11}/_{16}$	$1^{5}/_{8}$, $1^{3}/_{4}$	**SAF 1510**	1210 EK	5 960	7 000	SNW 10	SAF 510	(1) SR 10-8	LER 20	EPR 4	TER 20	12
$1^{15}/_{16}$	$1^{7}/_{8}$, 2	**SAF 1511**	1211 EK	6 210	6 300	SNW 11	SAF 511	(1) SR 11-9	LER 24	EPR 5	TER 24	16
$2^{3}/_{16}$	$2^{1}/_{8}$, $2^{1}/_{4}$	**SAF 1513**	1213 EK	7 890	5 300	SNW 13	SAF 513	(2) SR 13-0	LER 29	EPR 6	TER 29	22
$2^{7}/_{16}$	$2^{3}/_{8}$, $2^{1}/_{2}$	**SAF 1515**	1215 K	8 770	4 800	SNW 15	SAF 515	(2) SR 15-0	LOR 37	EPR 7	TER 37	27
$2^{11}/_{16}$	$2^{5}/_{8}$, $2^{3}/_{4}$	**SAF 1516**	1216 K	8 930	4 500	SNW 16	SAF 516	(2) SR 1516	LOR 44	EPR 8	TER 44	36
$2^{15}/_{16}$	$2^{13}/_{16}$, $2^{7}/_{8}$, 3	**SAF 1517**	1217 K	11 000	4 000	SNW 17	SAF 517	(2) SR 1517	LOR 53	EPR 9	TER 53	37
$3^{3}/_{16}$	$3^{1}/_{16}$, $3^{1}/_{8}$, $3^{1}/_{4}$	**SAF 1518**	1218 K	12 900	3 800	SNW 18	SAF 518	(2) SR 1518	LOR 188	EPR 11	TER 188	45
$3^{7}/_{16}$	$3^{5}/_{16}$, $3^{3}/_{8}$, $3^{1}/_{2}$	**SAF 1520**	1220 K	15 500	3 400	SNW 20	SAF 520	(2) SR 1520	LOR 102	EPR 12	TER 102	59
$3^{15}/_{16}$	$3^{13}/_{16}$, $3^{7}/_{8}$, 4	**SAF 1522**	1222 K	19 900	3 000	SNW 22	SAF 522	(2) SR 1522	LOR 109	EPR 13	TER 109	69

*Requires different adapter sleeve and seals.

Sizes SAF 1507 - SAF 1513, two-bolt base only;
Sizes SAF 1515 - SAF 1520, two-or four-bolt base options;
Size SAF 1522, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

SAF 1500
Two-piece cast-iron housing
Self-aligning / 1200 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 1515**
Option	Specify
Four-bolt base	FSAF 1515
One end closed	SAF 1515Y
PosiTrac Plus seals	SAF 1515TLC
Taconite seals	SAF 1515
Optional shaft size	SAF 1515 x 2 3/8
Cast-steel	SAFS 1515

Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 80; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SAF 1507	2	7 1/2	2	13/16	6 1/8	5 5/8	—	3 3/4	7/8	3 3/16	3/16	(2)-1/2	13/16	3 1/32
SAF 1509	2 1/4	8 1/4	2 3/8	13/16	7	6 1/4	—	4 3/8	1	3 5/8	3/16	(2)-1/2	15/16	3 1/32
SAF 1510	2 1/2	8 1/4	2 3/8	15/16	7	6 1/2	—	4 3/4	1 1/8	3 5/8	3/16	(2)-1/2	1 1/64	3 1/4
SAF 1511	2 3/4	9 5/8	2 3/4	15/16	7 7/8	7 3/8	—	5 1/32	1 1/4	3 7/8	3/16	(2)-5/8	1 1/32	3 3/8
SAF 1513	3	11	3 1/8	1	9 1/2	8 1/8	—	5 21/32	1 3/16	4 1/2	—	(2)-5/8	1 9/64	3 5/8
SAF 1515	3 1/4	11 1/4	3 1/8	1 1/8	9 5/8	8 5/8	1 7/8	6 1/8	1 1/4	4 11/16	—	(2)-5/8, (4)-1/2	1 7/32	3 13/16
SAF 1516	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 5/16	5 5/16	—	(2)-3/4, (4)-5/8	1 1/4	4 1/8
SAF 1517	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 1/8	1 7/16	5	—	(2)-3/4, (4)-5/8	1 5/16	3 29/32
SAF 1518	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 1/2	5 7/8	—	(2)-3/4, (4)-5/8	1 3/4	4 1/16
SAF 1520	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 15/32	1 21/32	6 1/8	—	(2)-7/8, (4)-3/4	1 59/64	4 3/8
SAF 1522	4 15/16	16 1/2	4 3/4	2	14 1/2	12 5/8	2 3/4	9 11/32	1 25/32	6 1/2	—	(4)-3/4	2 1/8	4 9/16

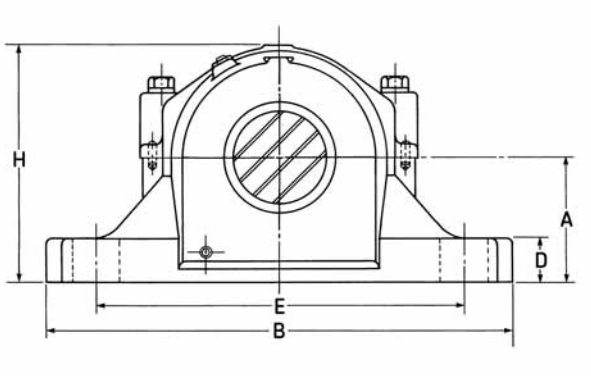
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Ball bearing / adapter mount

SAF 1600
Two-piece cast-iron housing
Self-aligning / 1300 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	SAF 1615
Option	Specify
Four-bolt base	FSAF 1615
One end closed	SAF 1615Y
PosiTrac Plus seal	SAF 1615TLC
Taconite seals	SAF 1615T
Optional shaft size	SAF 1615 x 2
Cast-steel	SAFS 1615



Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 81; for other seal speed limits see pages 339-342.

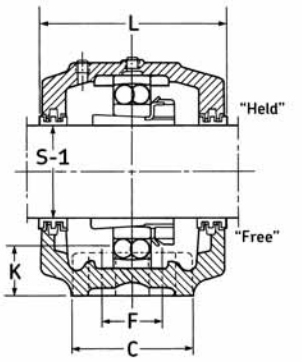
Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$1\frac{7}{16}$	$1\frac{3}{8}$, $1\frac{1}{2}$	**SAF 1609**	1309 EK	8 770	6 300	SNW 9	SAF 609	SR 1609	LER 17	EPR 3	TER 17	19
$1\frac{11}{16}$	$1\frac{5}{8}$, $1\frac{3}{4}$	**SAF 1610**	1310 EK	9 800	5 600	SNW 10	SAF 610	SR 1610	LER 20	EPR 4	TER 20	22
$1\frac{15}{16}$	$1\frac{7}{8}$, 2	**SAF 1611**	1311 EK	11 400	5 000	SNW 11	SAF 611	SR 1611	LER 24	EPR 5	TER 24	27
$2\frac{3}{16}$	$2\frac{1}{8}$, $2\frac{1}{4}$	**SAF 1613**	1313 EK	14 600	4 300	SNW 13	SAF 613	SR 1613	LOR 32	EPR 7	TER 32	38
$2\frac{7}{16}$	$2\frac{3}{8}$, $2\frac{1}{2}$	**SAF 1615**	1315 EK	17 800	3 800	SNW 15	SAF 615	SR 1615	LOR 37	EPR 7	TER 37	47
$2\frac{11}{16}$	$2\frac{5}{8}$, $2\frac{3}{4}$	**SAF 1616**	1316 K	19 900	3 600	SNW 16	SAF 616	SR 1616	LOR 44	EPR 8	TER 44	66
$2\frac{15}{16}$	$2\frac{13}{16}$, $2\frac{7}{8}$, 3	**SAF 1617**	1317 K	21 900	3 400	SNW 17	SAF 617	SR 1617	LOR 184	EPR 10	TER 184	69
$3\frac{3}{16}$	$3\frac{1}{16}$, $3\frac{1}{8}$, $3\frac{1}{4}$	**SAF 1618**	1318 K	26 300	3 200	SNW 18	SAF 618	SR 1618	LOR 188	EPR 11	TER 188	91
$3\frac{7}{16}$	$3\frac{15}{16}$, $3\frac{3}{8}$, $3\frac{1}{2}$	**SAF 1620**	1320 K	32 200	2 800	SNW 20	SAF 620	SR 1620	LOR 102	EPR 12	TER 102	101
$3\frac{15}{16}$	$3\frac{13}{16}$, $3\frac{7}{8}$, 4	**SAF 1622**	1322 K	36 600	2 400	SNW 22	SAF 622	SR 1622	LOR 109	EPR 13	TER 109	138

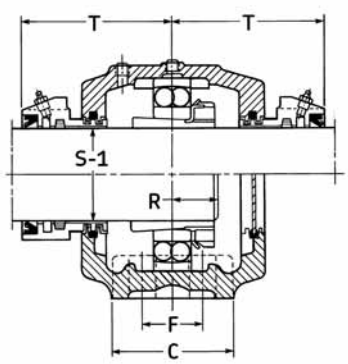
*Requires different adapter sleeve and seals.

Sizes SAF 1609 - SAF 1610, two-bolt base only;
Sizes SAF 1611 - SAF 1617, two-or four-bolt base options;
Sizes SAF 1618 - SAF 1620, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

SAF 1600
Two-piece cast-iron housing
Self-aligning / 1300 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 1615**
Option	Specify
Four-bolt base	FSAF 1615
One end closed	SAF 1615Y
PosiTrac Plus seal	SAF 1615TLC
Taconite seals	SAF 1615T
Optional shaft size	SAF 1615 x 2
Cast-steel	SAFS 1615

Held and free: Specify the appropriate stabilizing rings for a held unit; two required. Discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 81; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in												
SAF 1609	2 3/4	9 5/8	2 3/4	1	7 7/8	7 3/8	—	5 5/16	1 5/16	4 1/4	(2)-5/8	1 1/16	3 3/8
SAF 1610	3	10 5/8	2 3/4	1 1/8	9	7 3/4	—	5 13/16	1 7/16	4 5/8	(2)-5/8	1 5/32	3 3/4
SAF 1611	3 1/4	11	3 1/8	1 3/16	9 1/2	8 1/8	2	6 3/16	1 1/2	4 7/8	(2)-5/8, (4)-1/2	1 3/16	3 7/8
SAF 1613	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 7/16	5 5/16	(2)3/4, (4)-5/8	1 11/32	4 1/8
SAF 1615	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 11/16	5 7/8	(2)-)3/4, (4)-5/8	1 15/32	4 13/32
SAF 1616	4 1/4	14 1/4	3 7/8	1 3/4	12 5/8	10 5/8	2 1/8	8 1/4	1 13/16	6 1/2	(2)-)3/4, (4)-5/8	1 1/2	4 19/32
SAF 1617	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 7/8	6 3/4	(2)-7/8, (4)-3/4	1 9/16	4 9/16
SAF 1618	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 3/16	2	6 7/8	(4)-3/4	1 11/16	4 9/16
SAF 1620	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 3/16	7 5/16	(4)-)3/4	1 27/32	5
SAF 1622	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 1/2	8 1/8	(4)-7/8	1 15/16	5 3/8

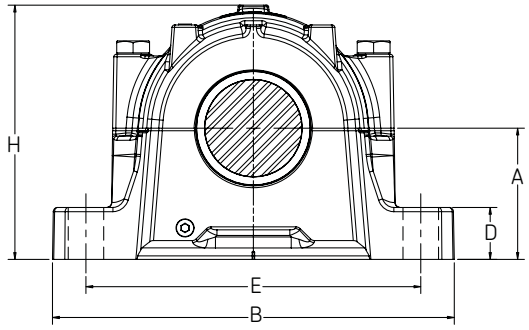
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / cylindrical mount

SAF 22200
Two-piece cast-iron housing
Self-aligning / 22200 series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals

How to order	SAF 22215
Option	Specify
Four-bolt base	FSAF 22215
One end closed	SAF 22215Y
PosiTrac Plus seal	SAF 22215TLC
Taconite seals	SAF 22215T
Cast-steel	SAFS 22215



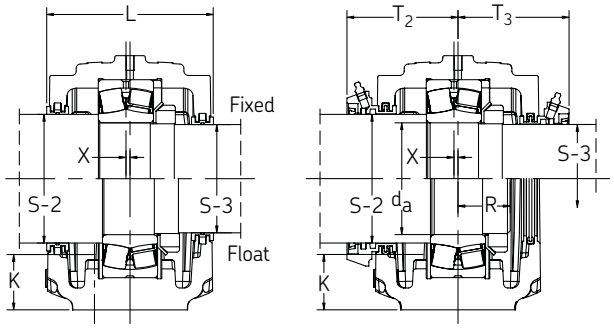
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 339-342.

Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
65	3 1/16	2 7/16	**SAF 22213**	22213 E	43 400	3 800	N 13	W 13	SAF 213	SR 13-0	LOR 55	LOR 37	EPR 7	TER 55	TER 37	22
75	3 7/16	2 13/16	**SAF 22215**	22215 E	47 700	3 400	AN 15	W 15	SAF 215	SR 15-0	LOR 79	LOR 46	EPR 8	TER 79	TER 46	27
80	3 5/8	3	**SAF 22216**	22216 E	53 100	3 200	AN 16	W 16	SAF 216	SR 16-13	LOR 82	LOR 54	EPR 9	TER 82	TER 54	34
85	3 15/16	3 3/16	**SAF 22217**	22217 CC/W33	55 100	3 000	AN 17	W 17	SAF 217	SR 17-14	LOR 89	LOR 63	EPR 9	TER 89	TER 63	35
90	4 1/8	3 3/8	**SAF 22218**	22218 CC/W33	65 200	2 600	AN 18	W 18	SAF 218	SR 18-15	LOR 112	LOR 191	EPR 11	TER 112	TER 191	44
100	4 1/2	3 13/16	**SAF 22220**	22220 CC/W33	81 000	2 200	AN 20	W 20	SAF 220	SR 20-17	LOR 118	LOR 106	EPR 12	TER 118	TER 106	75
110	4 7/8	4 3/16	**SAF 22222**	22222 CC/W33	105 000	2 000	AN 22	W 22	SAF 222	SR 22-19	LOR 121	LOR 113	EPR 14	TER 121	TER 113	68
120	5 5/16	4 9/16	**SAF 22224**	22224 CC/W33	121 000	1 900	AN 24	W 24	SAF 224	SR 24-20	LOR 127	LOR 119	EPR 15	TER 127	TER 119	97
130	5 7/8	4 15/16	**SAF 22226**	22226 CC/W33	142 000	1 800	AN 26	W 26	SAF 226	SR 26-0	LOR 136	LOR 122	EPR 27	TER 136	TER 122	134
140	6 1/4	5 5/16	**SAF 22228**	22228 CC/W33	160 000	1 700	AN 28	W 28	SAF 228	SR 28-0	LOR 144	LOR 127	EPR 16	TER 144	TER 127	141
150	6 5/8	5 3/4	**SAF 22230**	22230 CC/W33	191 000	1 600	AN 30	W 30	SAF 230	SR 30-0	LOR 151	LOR 134	EPR 17	TER 151	TER 134	181
160	7	6 1/16	**SAF 22232**	22232 CC/W33	225 000	1 500	AN 32	W 32	SAF 232	SR 32-0	LOR 156	LOR 142	EPR 18	TER 156	TER 142	199
170	7 7/16	6 7/16	**SAF 22234**	22234 CC/W33	252 000	1 300	AN 34	W 34	SAF 234	SR 34-0	LOR 161	LOR 148	EPR 20	TER 161	TER 148	263
180	7 13/16	6 7/8	**SAF 22236**	22236 CC/W33	265 000	1 300	AN 36	W 36	SAF 236	SR 36-30	LOR 165	LOR 154	EPR 21	TER 165	TER 154	286
190	8 3/8	7 1/4	**SAF 22238**	22238 CC/W33	286 000	1 200	AN 38	W 38	SAF 238	SR 38-32	LOR 171	LOR 160	EPR 21	TER 171	TER 160	356
200	8 3/4	7 5/8	**SAF 22240**	22240 CC/W33	328 000	1 100	AN 40	W 40	SAF 240	SR 40-34	LOR 175	LOR 164	EPR 22	TER 175	TER 164	408
220	9 9/16	8 5/16	**SAF 22244**	22244 CC/W33	396 000	950	N 44	W 44	SAF 244	SR 44-38	LOR 179	LOR 170	EPR 24	TER 179	TER 170	535

Size SAF 22213, two-bolt base only;
Sizes SAF 22215 - SAF 22220, two-or four-bolt base options;
Sizes SAF 22222 - SAF 22244, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Spherical roller / cylindrical mount

SAF 22200
Two-piece cast-iron housing
Self-aligning / 22200 series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF 22215**
Option	Specify
Four-Bolt Base	FSAF 22215
One end closed	SAF 22215Y
PosiTrac Plus seal	SAF 22215TLC
Taconite seals	SAF 22215T
Cast-steel	SAFS 22215

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring. For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SAF 22213	3	11	3 1/8	1	9 1/2	8 1/8	—	5 21/32	—	4 1/2	3/16	(2)-5/8	1 1/4	3 3/4	3 3/4
SAF 22215	3 1/4	11 1/4	3 1/8	1 1/8	9 5/8	8 5/8	1 7/8	6 1/8	—	4 11/16	3/16	(2)-5/8, (4)-1/2	1 9/32	3 7/8	3 7/8
SAF 22216	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 1/4	5 5/16	3/16	(2)-3/4, (4)-5/8	1 15/32	4 1/8	4 3/32
SAF 22217	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 1/8	1 3/8	5	3/16	(2)-3/4, (4)-5/8	1 9/16	3 29/32	3 29/32
SAF 22218	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 1/2	5 7/8	3/16	(2)-3/4, (4)-5/8	1 3/4	4 3/16	4 3/32
SAF 22220	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 15/32	1 21/32	6 1/8	3/16	(2)-7/8, (4)-3/4	1 59/64	4 5/16	4 5/16
SAF 22222	4 15/16	16 1/2	4 3/4	2	14 1/2	12 5/8	2 3/4	9 11/32	1 25/32	6 1/2	3/16	(4)-3/4	2 1/8	4 1/2	4 9/16
SAF 22224	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	1 27/32	7 3/8	3/16	(4)-3/4	2 9/32	5	5
SAF 22226	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 11/32	8 1/8	3/16	(4)-7/8	2 15/32	5 1/4	5 5/16
SAF 22228	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/32	7 5/8	3/16	(4)-1	2 39/64	5 1/8	5 1/8
SAF 22230	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2	8 3/8	3/16	(4)-1	2 49/64	5 1/2	5 1/2
SAF 22232	6 11/16	22	6 1/4	2 5/8	19 1/4	17 3/8	3 3/4	13 5/16	2 1/16	8 3/4	3/16	(4)-1	2 31/32	5 11/16	5 11/16
SAF 22234	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 5/32	9 5/8	3/16	(4)-1	3 1/8	6 3/16	6
SAF 22236	7 1/2	26 3/4	7 1/8	3	23 5/8	20 7/8	4 5/8	14 7/8	2 3/8	10	3/16	(4)-1	3 9/64	6 1/4	6 1/4
SAF 22238	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 7/16	10 3/4	3/16	(4)-1 1/4	3 19/64	7 7/16	6 13/16
SAF 22240	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 15/32	11 1/4	3/16	(4)-1 1/4	3 1/2	7 11/16	7 1/16
SAF 22244	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 1/8	12	3/16	(4)-1 1/2	3 5/8	8	8 1/16

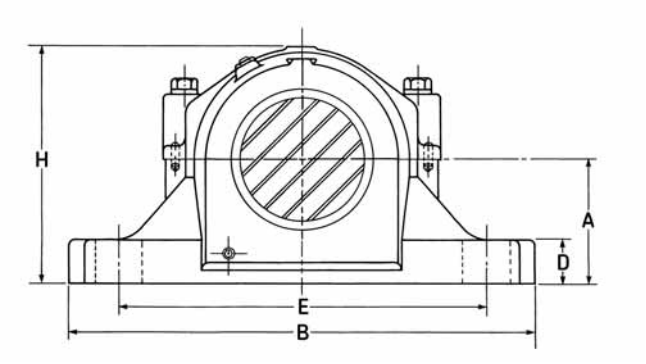
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / cylindrical mount

SAF 22300
Two-piece cast-iron housing
Self-aligning / 22300 series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

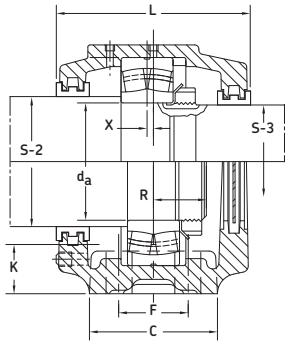
How to order	SAF 22315
Option	Specify
Four-bolt base	FSAF 22315
One end closed	SAF 22315Y
PosiTrac Plus seal	SAF 22315TLC
Taconite seals	SAF 22315T
Cast-steel	SAFS 22315

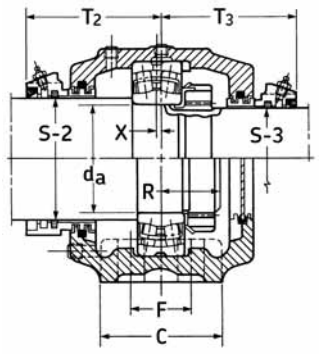


Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 339-342.

Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
40	1 15/16	1 7/16	**SAF 22308**	22308 E	33 700	4 500	N 08	W 08	SAF 308	SR 10-8	LER 24	LER 17	EPR 3	TER 24	TER 17	15
45	2 1/8	1 11/16	**SAF 22309**	22309 E	41 200	3 800	N 09	W 09	SAF 309	SR 11-9	LER 28	LER 20	EPR 4	TER 28	TER 20	19
50	2 3/8	1 7/8	**SAF 22310**	22310 E	49 500	3 400	N 10	W 10	SAF 310	SR 0-10	LER 35	LER 23	EPR 5	TER 35	TER 23	22
55	2 9/16	2 1/16	**SAF 22311**	22311 E	60 700	3 200	N 11	W 11	SAF 311	SR 13-11	LER 40	LER 27	EPR 6	TER 40	TER 27	27
60	2 7/8	2 1/4	**SAF 22312**	22312 E	69 700	3 000	N 12	W 12	SAF 312	SR 15-12	LOR 47	LOR 33	EPR 7	TER 47	TER 33	31
65	3 1/16	2 7/16	**SAF 22313**	22313 E	76 500	2 600	N 13	W 13	SAF 313	SR 16-13	LOR 55	LOR 37	EPR 7	TER 55	TER 37	38
70	3 1/4	2 5/8	**SAF 22314**	22314 CC/W33	79 900	2 400	N 14	W 14	SAF 314	SR 17-14	LOR 64	LOR 43	EPR 8	TER 64	TER 43	42
75	3 7/16	2 13/16	**SAF 22315**	22315 CC/W33	90 000	2 200	AN 15	W 15	SAF 315	SR 18-15	LOR 79	LOR 46	EPR 8	TER 79	TER 46	48
80	3 5/8	3	**SAF 22316**	22316 CC/W33	96 000	2 000	AN 16	W 16	SAF 316	SR 19-16	LOR 84	LOR 60	EPR 10	TER 84	TER 60	67
85	3 15/16	3 3/16	**SAF 22317**	22317 CC/W33	108 000	1 900	AN 17	W 17	SAF 317	SR 20-17	LOR 109	LOR 188	EPR 11	TER 109	TER 188	71
90	4 1/8	3 3/8	**SAF 22318**	22318 CC/W33	124 000	1 800	AN 18	W 18	SAF 318	SR 21-18	LOR 112	LOR 191	EPR 11	TER 112	TER 191	92
100	4 1/2	3 13/16	**SAF 22320**	22320 CC/W33	160 000	1 700	AN 20	W 20	SAF 320	SR 24-20	LOR 118	LOR 106	EPR 12	TER 118	TER 106	107
110	4 7/8	4 3/16	**SAF 22322**	22322 CC/W33	187 000	1 600	AN 22	W 22	SAF 322	SR 0-22	LOR 121	LOR 113	EPR 14	TER 121	TER 113	145
120	5 5/16	4 9/16	**SAF 22324**	22324 CC/W33	217 000	1 400	AN 24	W 24	SAF 324	SR 0-24	LOR 127	LOR 119	EPR 15	TER 127	TER 119	201
130	5 7/8	4 15/16	**SAF 22326**	22326 CC/W33	252 000	1 300	AN 26	W 26	SAF 326	SR 0-26	LOR 136	LOR 122	EPR 27	TER 136	TER 122	221
140	6 1/4	5 5/16	**SAF 22328**	22328 CC/W33	290 000	1 100	AN 28	W 28	SAF 328	SR 0-28	LOR 144	LOR 127	EPR 16	TER 144	TER 127	283
150	6 5/8	5 3/4	**SAF 22330**	22330 CC/W33	328 000	1 000	AN 30	W 30	SAF 330	SR 36-30	LOR 151	LOR 134	EPR 17	TER 151	TER 134	313
160	7	6 1/16	**SAF 22332**	22332 CC/W33	360 000	950	AN 32	W 32	SAF 332	SR 38-32	LOR 156	LOR 142	EPR 18	TER 156	TER 142	385
170	7 7/16	6 7/16	**SAF 22334**	22334 CC/W33	396 000	950	AN 34	W 34	SAF 334	SR 40-34	LOR 161	LOR 148	EPR 19	TER 161	TER 148	449
180	8 3/8	7 1/4	**SAF 22338**	22338 CC/W33	477 000	850	AN 38	W 38	SAF 338	SR 44-38	LOR 171	LOR 160	EPR 21	TER 171	TER 160	589
200	8 3/4	7 5/8	**SAF 22340**	22340 CC/W33	522 000	850	AN 40	W 40	SAF 340	SR 0-40	LOR 175	LOR 164	EPR 22	TER 175	TER 164	809

Sizes SAF 22308 - SAF 22310, two-bolt base only; sizes SAF 22311 - SAF 22317, two-or four-bolt base options; sizes SAF 22318 - SAF 22340, four-bolt base only.
Optional internal radial clearances (e.g. C3) are available upon request.
Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / cylindrical mount

SAF 22300
Two-piece cast-iron housing
Self-aligning / 22300 series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 22315**
Option	Specify
Four-bolt base	FSAF 22315
One end closed	SAF 22315Y
PosiTrac Plus seal	SAF 22315TLC
Taconite seals	SAF 22315T
Cast-steel	SAFS 22315

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SAF 22308	2 1/2	8 1/4	2 3/8	1	7	6 1/2	—	4 13/16	1 3/16	4	3/16	(2)-1/2	1 5/32	3 1/2	3 9/32
SAF 22309	2 3/4	9 5/8	2 3/4	1	7 7/8	7 3/8	—	5 5/16	1 9/32	4 1/4	3/16	(2)-5/8	1 5/16	3 9/16	3 9/16
SAF 22310	3	10 5/8	2 3/4	1 1/8	9	7 3/4	—	5 13/16	1 3/8	4 5/8	3/16	(2)-5/8	1 7/16	3 3/4	3 3/4
SAF 22311	3 1/4	11	3 1/8	1 3/16	9 1/2	8 1/8	2	6 3/16	1 7/16	5	3/16	(2)-5/8, (4)-1/2	1 1/2	3 7/8	3 7/8
SAF 22312	3 1/4	11 1/4	3 1/8	1 3/16	9 5/8	8 5/8	1 7/8	6 3/8	1 5/16	5 1/4	3/16	(2)-5/8, (4)-1/2	1 9/16	4 3/32	4 1/16
SAF 22313	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 13/32	5 5/16	3/16	(2)-3/4, (4)-5/8	1 11/16	4 1/8	4 1/8
SAF 22314	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 3/8	1 15/32	5 3/8	3/16	(2)-3/4, (4)-5/8	1 11/16	4 5/32	4 1/8
SAF 22315	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 19/32	5 7/8	3/16	(2)-3/4, (4)-5/8	1 7/8	4 1/2	4 9/16
SAF 22316	4 1/4	14 1/4	3 7/8	1 5/16	12 5/8	10 5/8	2 1/8	8 1/4	1 11/16	6 1/2	3/16	(2)-3/4, (4)-5/8	1 15/16	4 19/32	4 19/32
SAF 22317	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 3/4	6 3/4	3/16	(2)-7/8, (4)-3/4	2 1/16	4 11/16	4 19/32
SAF 22318	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 3/16	1 7/8	6 7/8	3/16	(4)-3/4	2 3/16	4 3/4	4 19/32
SAF 22320	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 1/32	7 3/8	3/16	(4)-3/4	2 7/16	5	5
SAF 22322	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 13/32	8 1/8	3/16	(4)-7/8,	2 5/8	5 1/4	5 3/8
SAF 22324	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2 3/8	8 3/8	3/16	(4)-1	2 13/16	5 1/2	5 1/2
SAF 22326	6 11/16	22	6 1/4	2 5/8	19 1/4	17 3/8	3 3/4	13 5/16	2 7/16	8 3/4	3/16	(4)-1	3	5 11/16	5 11/16
SAF 22328	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 9/16	9 3/8	3/16	(4)-1	3 1/4	6 1/16	6 1/16
SAF 22330	7 1/2	26 3/4	7 1/8	3	23 5/8	20 7/8	4 5/8	14 7/8	2 5/8	9 3/4	3/16	(4)-1	3 7/16	6 1/4	6 1/4
SAF 22332	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 11/16	10 3/4	3/16	(4)-1 1/4	3 5/8	6 11/16	6 11/16
SAF 22334	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 3/4	11 1/4	3/16	(4)-1/4	3 3/4	7 1/16	6 7/8
SAF 22338	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 3/8	12	3/16	(4)-1 1/2	4 1/16	8 1/16	7 7/16
SAF 22340	9 7/8	34 1/4	9	4	29 1/2	26 1/4	5 1/2	19 1/2	3 7/16	12 3/8	3/16	(4)-1 1/2	4 1/8	8 7/32	7 19/32

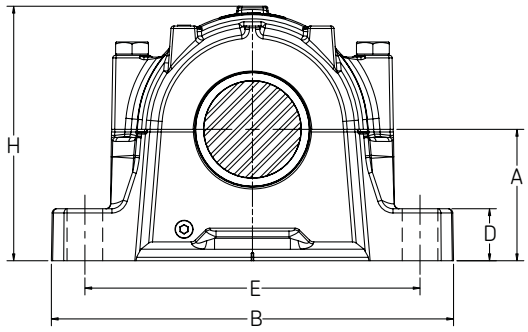
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SAF 22500
Two-piece cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

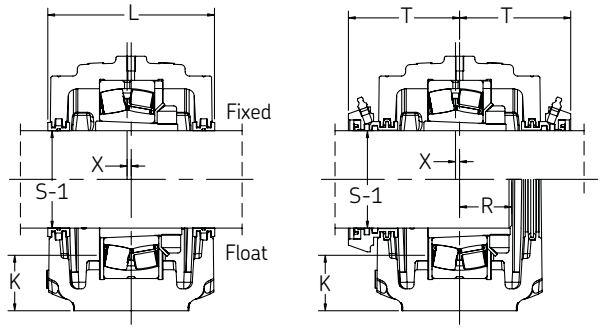
How to order	SAF 22515
Option	Specify
Four-bolt base	FSAF 22515
One end closed	SAF 22515Y
PosiTrac Plus seal	SAF 22515TLC
Taconite seals	SAF 22515T
Optional shaft size	SAF 22515 x $2^{1}/_{2}$
Cast-steel	SAFS 22515



Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing rings.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 339-342.

Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$1^{3}/_{16}$	—	**SAF 22507**	22207 CCK/W33	17 200	6 700	SNW 7	SAF 507	36053-6	LER 14	EPR 2	TER 14	8
$1^{7}/_{16}$	$1^{3}/_{8}$, $1^{1}/_{2}$	**SAF 22509**	22209 CCK/W33	20 200	5 300	SNW 9	SAF 509	SR 9-9	LER 17	EPR 3	TER 17	12
$1^{11}/_{16}$	$1^{5}/_{8}$, $1^{3}/_{4}$	**SAF 22510**	22210 CCK/W33	21 700	5 000	SNW 10	SAF 510	SR 10-0	LER 20	EPR 4	TER 20	13
$1^{15}/_{16}$	$1^{7}/_{8}$, 2	**SAF 22511**	22211 EK	30 100	4 500	SNW 11	SAF 511	SR 11-0	LER 24	EPR 5	TER 24	16
$2^{3}/_{16}$	$2^{1}/_{8}$, $2^{1}/_{4}$	**SAF 22513**	22213 EK	43 400	3 800	SNW 13	SAF 513	SR 13-0	LER 29	EPR 6	TER 29	23
$2^{7}/_{16}$	$2^{3}/_{8}$, $2^{1}/_{2}$	**SAF 22515**	22215 EK	47 700	3 400	SNW 15	SAF 515	SR 15-0	LOR 37	EPR 7	TER 37	28
$2^{11}/_{16}$	$2^{5}/_{8}$, $2^{3}/_{4}$	**SAF 22516**	22216 EK	53 100	3 200	SNW 16	SAF 516	SR 16-13	LOR 44	EPR 8	TER 44	37
$2^{15}/_{16}$	$2^{13}/_{16}$, $2^{7}/_{8}$, 3	**SAF 22517**	22217 CCK/W33	55 100	3 000	SNW 17	SAF 517	SR 17-14	LOR 53	EPR 9	TER 53	38
$3^{3}/_{16}$	$3^{1}/_{16}$, $3^{1}/_{8}$, $3^{1}/_{4}$	**SAF 22518**	22218 CCK/W33	65 200	2 600	SNW 18	SAF 518	SR 18-15	LOR 188	EPR 11	TER 188	47
$3^{7}/_{16}$	$3^{5}/_{16}$, $3^{3}/_{8}$, $3^{1}/_{2}$	**SAF 22520**	22220 CCK/W33	81 000	2 200	SNW 20	SAF 520	SR 20-17	LOR 102	EPR 12	TER 102	62
$3^{15}/_{16}$	$3^{13}/_{16}$, $3^{7}/_{8}$, 4	**SAF 22522**	22222 CCK/W33	105 000	2 000	SNW 22	SAF 522	SR 22-19	LOR 109	EPR 13	TER 109	73
$4^{3}/_{16}$	$4^{1}/_{16}$, $4^{1}/_{8}$, $4^{1}/_{4}$	**SAF 22524**	22224 CCK/W33	121 000	1 900	SNW 24	SAF 524	SR 24-20	LOR 113	EPR 14	TER 113	104
$4^{7}/_{16}$	$4^{5}/_{16}$, $4^{3}/_{8}$, $4^{1}/_{2}$	**SAF 22526**	22226 CCK/W33	142 000	1 800	SNW 26	SAF 526	SR 26-0	LOR 117	EPR 15	TER 117	144
$4^{15}/_{16}$	$4^{13}/_{16}$, $4^{7}/_{8}$, 5	**SAF 22528**	22228 CCK/W33	160 000	1 700	SNW 28	SAF 528	SR 28-0	LOR 122	EPR 27	TER 122	153
$5^{3}/_{16}$	$5^{1}/_{8}$, $5^{1}/_{4}$	**SAF 22530**	22230 CCK/W33	191 000	1 600	SNW 30	SAF 530	SR 30-0	LOR 125	EPR 16	TER 125	199
$5^{7}/_{16}$	$5^{3}/_{8}$, $5^{1}/_{2}$	**SAF 22532**	22232 CCK/W33	225 000	1 500	SNW 32	SAF 532	SR 32-0	LOR 130	EPR 16	TER 130	212
$5^{15}/_{16}$	$5^{13}/_{16}$, $5^{7}/_{8}$, 6	**SAF 22534**	22234 CCK/W33	252 000	1 300	SNW 34	SAF 534	SR 34-0	LOR 140	EPR 18	TER 140	276
$6^{7}/_{16}$	$6^{5}/_{16}$, $6^{3}/_{8}$, $6^{1}/_{2}$	**SAF 22536**	22236 CCK/W33	265 000	1 300	SNW 36	SAF 536	SR 36-30	LOR 148	EPR 19	TER 148	301
$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SAF 22538**	22238 CCK/W33	286 000	1 200	SNW 38	SAF 538	SR 38-32	LOR 155	EPR 21	TER 155	374
$7^{3}/_{16}$	$7^{1}/_{8}$, $7^{1}/_{4}$	**SAF 22540**	22240 CCK/W33	328 000	1 100	SNW 40	SAF 540	SR 40-34	LOR 159	EPR 21	TER 159	443
$7^{15}/_{16}$	$7^{13}/_{16}$, $7^{7}/_{8}$, 8	**SAF 22544**	22244 CCK/W33	396 000	950	SNW 44	SAF 544	SR 44-38	LOR 167	EPR 23	TER 167	577

*Optional shaft sizes require different adapter sleeve and seals. ***Optional internal radial clearances (e.g. C3) are available upon request.***
Sizes SAF 22507 - SAF 22513, two-bolt base only; sizes SAF 22515 - SAF 22520, two-or four-bolt base options; sizes SAF 22522 - SAF 22544, four-bolt base only.
Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Spherical roller / adapter mount

SAF 22500
Two-piece cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 22515**
Option	Specify
Four-bolt base	FSAF 22515
One end closed	SAF 22515Y
PosiTrac Plus seal	SAF 22515TLC
Taconite seals	SAF 22515T
Optional shaft size	SAF 22515 x 2 1/2
Cast-steel	SAFS 22515

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 339-342.

Designations Complete pillow block									**Static oil level**			**Bolts**		
	A	B	C	D	E Max	E Min	F	H	K	L	X	(No. req'd)	R	T
	in													
SAF 22507	2	7 1/2	2	13/16	6 1/8	5 5/8	—	3 3/4	7/8	3 3/16	3/32	(2)-1/2	13/16	3 1/32
SAF 22509	2 1/4	8 1/4	2 3/8	13/16	7	6 1/4	—	4 3/8	31/32	3 5/8	7/64	(2)-1/2	1 3/32	3 1/32
SAF 22510	2 1/2	8 1/4	2 3/8	15/16	7	6 1/2	—	4 3/4	1 3/32	3 5/8	9/64	(2)-1/2	1 5/32	3 1/4
SAF 22511	2 3/4	9 5/8	2 3/4	15/16	7 7/8	7 3/8	—	5 1/32	1 3/16	3 7/8	7/64	(2)-5/8	1 13/64	3 3/8
SAF 22513	3	11	3 1/8	1	9 1/2	8 1/8	—	5 21/32	1 3/32	4 1/2	5/32	(2)-5/8	1 25/64	3 5/8
SAF 22515	3 1/4	11 1/4	3 1/8	1 1/8	9 5/8	8 5/8	1 7/8	6 1/8	1 1/8	4 11/16	7/64	(2)-5/8, (4)-1/2	1 7/16	3 13/16
SAF 22516	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 1/4	5 5/16	3/16	(2)-3/4, (4)-5/8	1 15/32	4 1/8
SAF 22517	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 1/8	1 3/8	5	3/16	(2)-3/4, (4)-5/8	1 9/16	3 29/32
SAF 22518	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 1/2	5 7/8	3/16	(2)-3/4, (4)-5/8	1 3/4	4 1/16
SAF 22520	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 15/32	1 21/32	6 1/8	3/16	(2)-7/8, (4)-3/4	1 59/64	4 3/8
SAF 22522	4 15/16	16 1/2	4 3/4	2	14 1/2	12 5/8	2 3/4	9 11/32	1 25/32	6 1/2	3/16	(4)-3/4	2 1/8	4 9/16
SAF 22524	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	1 27/32	7 3/8	3/16	(4)-3/4	2 9/32	5
SAF 22526	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 11/32	8 1/8	3/16	(4)-7/8	2 15/32	5 5/16
SAF 22528	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/32	7 5/8	3/16	(4)-1	2 29/64	5 1/8
SAF 22530	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2	8 3/8	3/16	(4)-1	2 39/64	5 1/2
SAF 22532	6 11/16	22	6 1/4	2 5/8	19 1/4	17 3/8	3 3/4	13 5/16	2 1/16	8 3/4	3/16	(4)-1	2 31/32	5 11/16
SAF 22534	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 5/32	9 5/8	3/16	(4)-1	3 1/8	6 1/16
SAF 22536	7 1/2	26 3/4	7 1/8	3	23 5/8	20 7/8	4 5/8	14 7/8	2 3/8	10	3/16	(4)-1	3 9/64	6 1/4
SAF 22538	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 7/16	10 3/4	3/16	(4)-1 1/4	3 19/64	6 11/16
SAF 22540	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 15/32	11 1/4	3/16	(4)-1 1/4	3 1/2	7 1/16
SAF 22544	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 1/8	12	3/16	(4)-1 1/2	3 5/8	7 1/4

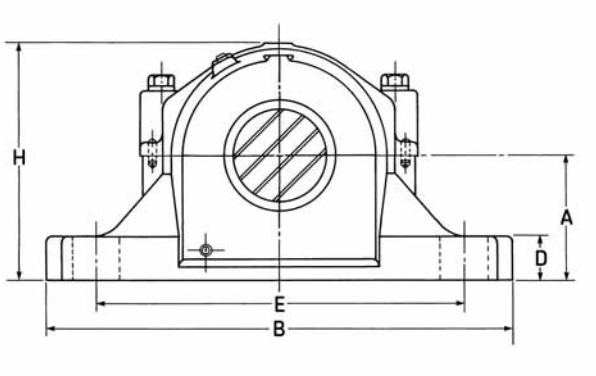
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SAF 22600
Two-piece cast-iron housing
Self-aligning / 22300 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	SAF 22615
Option	Specify
Four-bolt base	FSAF 22615
One end closed	SAF 22615Y
PosiTrac Plus seal	SAF 22615TLC
Taconite seals	SAF 22615T
Optional shaft size	SAF 22615 x 2
Cast-steel	SAFS 22615

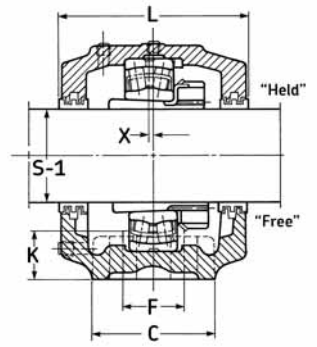


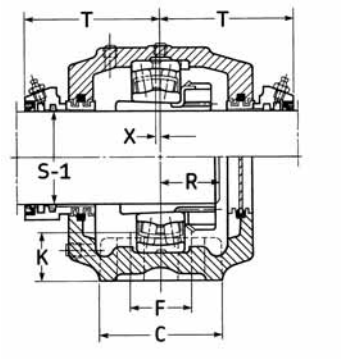
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 339-342.

Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
1 7/16	1 3/8, 1 1/2	**SAF 22609**	22309 EK	41 200	3 800	SNW 109	SAF 609	SR 11-9	LER 17	EPR 3	TER 17	20
1 11/16	1 5/8, 1 3/4	**SAF 22610**	22310 EK	49 500	3 400	SNW 110	SAF 610	SR 0-10	LER 20	EPR 4	TER 20	24
1 15/16	1 7/8, 2	**SAF 22611**	22311 EK	60 700	3 200	SNW 111	SAF 611	SR 13-11	LER 24	EPR 5	TER 24	29
2 3/16	2 1/8, 2 1/4	**SAF 22613**	22313 EK	76 500	2 600	SNW 113	SAF 613	SR 16-13	LOR 32	EPR 7	TER 32	40
2 7/16	2 3/8, 2 1/2	**SAF 22615**	22315 CCK/W33	90 000	2 200	SNW 115	SAF 615	SR 18-15	LOR 37	EPR 7	TER 37	52
2 11/16	2 5/8, 2 3/4	**SAF 22616**	22316 CCK/W33	96 700	2 000	SNW 116	SAF 616	SR 19-16	LOR 44	EPR 8	TER 44	71
2 15/16	2 13/16, 2 7/8, 3	**SAF 22617**	22317 CCK/W33	108 000	1 900	SNW 117	SAF 617	SR 20-17	LOR 184	EPR 10	TER 184	75
3 3/16	3 1/16, 3 1/8, 3 1/4	**SAF 22618**	22318 CCK/W33	124 000	1 800	SNW 118	SAF 618	SR 21-18	LOR 188	EPR 11	TER 188	97
3 7/16	3 5/16, 3 3/8, 3 1/2	**SAF 22620**	22320 CCK/W33	160 000	1 700	SNW 120	SAF 620	SR 24-20	LOR 102	EPR 12	TER 102	113
3 15/16	3 13/16, 3 7/8, 4	**SAF 22622**	22322 CCK/W33	187 000	1 600	SNW 122	SAF 622	SR 0-22	LOR 109	EPR 13	TER 109	153
4 3/16	4 1/16, 4 1/8, 4 1/4	**SAF 22624**	22324 CCK/W33	217 000	1 400	SNW 124	SAF 624	SR 0-24	LOR 113	EPR 14	TER 113	206
4 7/16	4 5/16, 4 3/8, 4 1/2	**SAF 22626**	22326 CCK/W33	252 000	1 300	SNW 126	SAF 626	SR 0-26	LOR 117	EPR 15	TER 117	233
4 15/16	4 13/16, 4 7/8, 5	**SAF 22628**	22328 CCK/W33	290 000	1 100	SNW 128	SAF 628	SR 0-28	LOR 122	EPR 27	TER 122	296
5 3/16	5 1/8, 5 1/4	**SAF 22630**	22330 CCK/W33	328 000	1 000	SNW 130	SAF 630	SR 36-30	LOR 125	EPR 16	TER 125	322
5 7/16	5 3/8, 5 1/2	**SAF 22632**	22332 CCK/W33	360 000	950	SNW 132	SAF 632	SR 38-32	LOR 130	EPR 16	TER 130	401
5 15/16	5 13/16, 5 7/8, 6	**SAF 22634**	22334 CCK/W33	396 000	950	SNW 134	SAF 634	SR 40-34	LOR 140	EPR 18	TER 140	510
6 15/16	6 13/16, 6 7/8, 7	**SAF 22638**	22338 CCK/W33	477 000	850	SNW 138	SAF 638	SR 44-38	LOR 155	EPR 21	TER 155	609
7 3/16	7 1/8, 7 1/4	**SAF 22640**	22340 CCK/W33	522 000	850	SNW 140	SAF 640	SR 0-40	LOR 159	EPR 21	TER 159	902

*Optional shaft sizes require different adapter sleeve and seals.
Sizes SAF 22609 - SAF 22610, two-bolt base only;
Sizes SAF 22611 - SAF 22617, two-or four-bolt base options;
Sizes SAF 22618 - SAF 22640, four-bolt base only.
Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / adapter mount

SAF 22600
Two-piece cast-iron housing
Self-aligning / 22300 K series bearing
Held or free bearing
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF 22615**
Option	Specify
Four-bolt base	FSAF 22615
One end closed	SAF 22615Y
PosiTrac Plus seal	SAF 22615TLC
Taconite seals	SAF 22615T
Optional shaft size	SAF 22615 x 2
Cast-steel	SAFS 22615

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SAF 22609	2 3/4	9 5/8	2 3/4	1	7 7/8	7 3/8	—	5 5/16	1 9/32	4 1/4	3/16	(2)-5/8	1 5/16	3 3/8
SAF 22610	3	10 5/8	2 3/4	1 1/8	9	7 3/4	—	5 13/16	1 3/8	4 5/8	3/16	(2)-5/8	1 7/16	3 3/4
SAF 22611	3 1/4	11	3 1/8	1 3/16	9 1/2	8 1/8	2	6 3/16	1 7/16	4 7/8	3/16	(2)-5/8, (4)-1/2	1 1/2	3 7/8
SAF 22613	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 13/32	5 5/16	3/16	(2)-3/4, (4)-5/8	1 11/16	4 1/8
SAF 22615	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 19/32	5 7/8	3/16	(2)-3/4, (4)-5/8	1 7/8	4 13/32
SAF 22616	4 1/4	14 1/4	3 7/8	1 3/4	12 5/8	10 5/8	2 1/8	8 1/4	1 11/16	6 1/2	3/16	(2)-3/4, (4)-5/8	1 15/16	4 19/32
SAF 22617	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 3/4	6 3/4	3/16	(2)-7/8, (4)-3/4	2 1/16	4 9/16
SAF 22618	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 1/4	1 7/8	6 7/8	3/16	(4)-3/4	2 3/16	4 9/16
SAF 22620	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 1/32	7 5/16	3/16	(4)-3/4	2 7/16	5
SAF 22622	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 13/32	8 1/8	3/16	(4)-7/8	2 5/8	5 3/8
SAF 22624	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2 3/8	8 3/8	3/16	(4)-1	2 13/16	5 1/2
SAF 22626	6 11/16	22	6 1/4	2 5/8	19 1/4	17 3/8	3 3/4	13 5/16	2 7/16	8 3/4	3/16	(4)-1	3	5 11/16
SAF 22628	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 9/16	9 5/8	3/16	(4)-1	3 1/4	6 1/16
SAF 22630	7 1/2	26 3/4	7 1/8	3	23 5/8	20 7/8	4 5/8	14 7/8	2 5/8	9 3/4	3/16	(4)-1	3 7/16	6 1/4
SAF 22632	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 11/16	10 3/4	3/16	(4)-1 1/4	3 5/8	6 11/16
SAF 22634	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 3/4	11 1/4	3/16	(4)-1 1/4	3 3/4	6 15/16
SAF 22638	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 3/8	12	3/16	(4)-1 1/2	4 1/16	7 5/16
SAF 22640	9 7/8	34 1/4	9	4	29 1/2	26 1/4	5 1/2	19 1/2	3 7/16	12 3/8	3/16	(4)-1 1/2	4 1/8	7 19/32

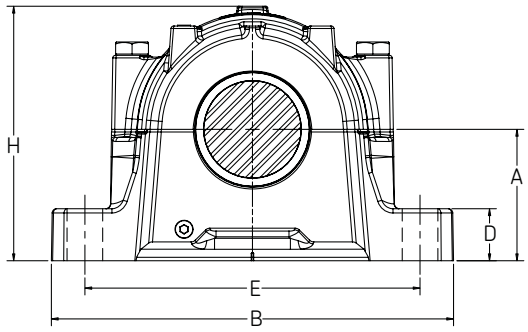
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SAF 23000 KA
Two-piece cast-iron housing
Self-aligning / 23000 K series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals

How to order	SAF 23024 KA x $4^{3}/_{16}$
Option	Specify
Four-bolt base	FSAF 23024 KA x $4^{3}/_{16}$
One end closed	SAF 23024 KAY x $4^{3}/_{16}$
PosiTrac Plus seal	SAF 23024 KA/TLC x $4^{3}/_{16}$
Taconite seals	SAF 23024 KAT x $4^{3}/_{16}$
Optional shaft size	SAF 23024 KA x $4^{1}/_{4}$
Cast-steel	SAFS 23024

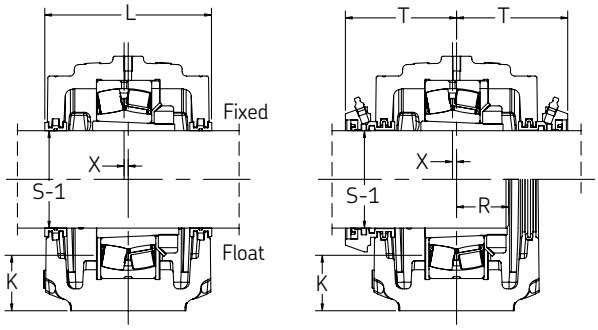


Held and free: Specify the appropriate stabilizing ring for a held unit.
For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see pages 339-342.

Shaft dia.		Designations											Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal		
in				lbs	r/min								lbs
$4^{3}/_{16}$	$4^{1}/_{16}$, $4^{1}/_{8}$, $4^{1}/_{4}$	**SAF 23024 KA x $4^{3}/_{16}$**	23024 CCK/W33	78 700	2 000	SNW 3024 x $4^{3}/_{16}$	SAF 024 KA x $4^{3}/_{16}$	38151-24	LOR 113	EPR 14	TER 113		87
$4^{7}/_{16}$	$4^{5}/_{16}$, $4^{3}/_{8}$, $4^{1}/_{2}$	**SAF 23026 KA x $4^{7}/_{16}$**	23026 CCK/W33	105 000	1 900	SNW 3026 x $4^{7}/_{16}$	SAF 026 KA x $4^{7}/_{16}$	38151-26	LOR 117	EPR 15	TER 117		71
$4^{15}/_{16}$	$4^{13}/_{16}$, $4^{7}/_{8}$, 5	**SAF 23028 KA x $4^{15}/_{16}$**	23028 CCK/W33	105 000	1 800	SNW 3028 x $4^{15}/_{16}$	SAF 028 KA x $4^{15}/_{16}$	36053-50	LOR 122	EPR 27	TER 122		138
$5^{3}/_{16}$	$5^{1}/_{8}$, $5^{1}/_{4}$	**SAF 23030 KA x $5^{3}/_{16}$**	23030 CCK/W33	115 000	1 700	SNW 3030 x $5^{3}/_{16}$	SAF 030 KA x $5^{3}/_{16}$	SR-0-21	LOR 125	EPR 16	TER 125		149
$5^{7}/_{16}$	$5^{3}/_{8}$, $5^{1}/_{2}$	**SAF 23032 KA x $5^{7}/_{16}$**	23032 CCK/W33	132 000	1 700	SNW 3032 x $5^{7}/_{16}$	SAF 032 KA x $5^{7}/_{16}$	38151-32	LOR 130	EPR 16	TER 130		175
$5^{15}/_{16}$	$5^{13}/_{16}$, $5^{7}/_{8}$, 6	**SAF 23034 KA x $5^{15}/_{16}$**	23034 CCK/W33	160 000	1 600	SNW 3034 x $5^{15}/_{16}$	SAF 034 KA x $5^{15}/_{16}$	SR-0-24	LOR 140	EPR 18	TER 140		220
$6^{7}/_{16}$	$6^{5}/_{16}$, $6^{3}/_{8}$, $6^{1}/_{2}$	**SAF 23036 KA x $6^{7}/_{16}$**	23036 CCK/W33	187 000	1 400	SNW 3036 x $6^{7}/_{16}$	SAF 036 KA x $6^{7}/_{16}$	38151-36	LOR 148	EPR 19	TER 148		272
$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SAF 23038 KA x $6^{15}/_{16}$**	23038 CCK/W33	195 000	1 300	SNW 3038 x $6^{15}/_{16}$	SAF 038 KA x $6^{15}/_{16}$	38151-38	LOR 155	EPR 21	TER 155		284
$7^{3}/_{16}$	$7^{1}/_{8}$, $7^{1}/_{4}$	**SAF 23040 KA x $7^{3}/_{16}$**	23040 CCK/W33	225 000	1 200	SNW 3040 x $7^{3}/_{16}$	SAF 040 KA x $7^{3}/_{16}$	38151-40	LOR 159	EPR 21	TER 159		367
$7^{15}/_{16}$	$7^{13}/_{16}$, $7^{7}/_{8}$, 8	**SAF 23044 KA x $7^{15}/_{16}$**	23044 CCK/W33	274 000	1 100	SNW 3044 x $7^{15}/_{16}$	SAF 044 KA x $7^{15}/_{16}$	36053-140	LOR 167	EPR 23	TER 167		386
$8^{15}/_{16}$	$8^{7}/_{16}$, $8^{1}/_{2}$, 9	**SAF 23048 KA x $8^{15}/_{16}$**	23048 CCK/W33	290 000	1 000	SNP 3048 x $8^{15}/_{16}$	SAF 048 KA x $8^{15}/_{16}$	A-8897	LOR 552	X-5217-4	TER 552		474
$9^{7}/_{16}$	$9^{1}/_{2}$	**SAF 23052 KA x $9^{7}/_{16}$**	23052 CCK/W33	360 000	900	SNP 3052 x $9^{7}/_{16}$	SAF 052 KA x $9^{7}/_{16}$	A-8898	LOR 553	X-5217-2	TER 553		530
$9^{15}/_{16}$	10	**SAF 23056 KA x $9^{15}/_{16}$**	23056 CACK/W33	342 000	850	SNP 3056 x $9^{15}/_{16}$	SAF 056 KA x $9^{15}/_{16}$	A-8819	LOR 607	X-5217-2	TER 607		800
$10^{7}/_{16}$	$10^{1}/_{2}$	**SAF 23056 KA x $10^{7}/_{16}$**	23056 CACK/W33	342 000	850	SNP 3056 x $10^{7}/_{16}$	SAF 056 KA x $10^{7}/_{16}$	A-8819	LOR 606	X-5217-1	TER 606		800

*Optional shaft sizes require different adapter sleeve and seals.
Size SAF 23024 KA, two-or four-bolt base options;
Sizes SAF 23026 KA - SAF 23056 KA, four-bolt base only.
Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Spherical roller / adapter mount

SAF 23000 KA
Two-piece cast-iron housing
Self-aligning / 23000 K series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF 23000 KA x $4^{3}/_{16}$**
Option	Specify
Four-bolt base	FSAF 23024 KA x $4^{3}/_{16}$
One end closed	SAF 23024 KAY x $4^{3}/_{16}$
PosiTrac Plus seal	SAF 23024 KA/TLC x $4^{3}/_{16}$
Taconite seals	SAF 23024 KAT x $4^{3}/_{16}$
Optional shaft size	SAF 23024 KA x $4^{1}/_{4}$
Cast-steel	SAFS 23024 KA x $4^{3}/_{16}$

Held and free: Specify the appropriate stabilizing ring for a held unit.
For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in												
SAF 23024 KA x $4^{3}/_{16}$	$4^{1}/_{2}$	$15^{1}/_{4}$	$4^{3}/_{8}$	$1^{3}/_{4}$	$13^{1}/_{8}$	$11^{5}/_{8}$	$2^{3}/_{8}$	$8^{15}/_{32}$	$1^{9}/_{16}$	$6^{1}/_{8}$	(2)-$^{7}/_{8}$, (4)-$^{3}/_{4}$	$1^{29}/_{32}$	$4^{1}/_{2}$
SAF 23026 KA x $4^{7}/_{16}$	$4^{15}/_{16}$	$16^{1}/_{2}$	$4^{3}/_{4}$	2	$14^{1}/_{2}$	$12^{5}/_{8}$	$2^{3}/_{4}$	$9^{11}/_{32}$	$1^{11}/_{16}$	$6^{1}/_{2}$	(4)-$^{3}/_{4}$	$2^{3}/_{32}$	$4^{5}/_{8}$
SAF 23028 KA x $4^{15}/_{16}$	$5^{1}/_{4}$	$16^{1}/_{2}$	$4^{3}/_{4}$	$2^{1}/_{8}$	$14^{1}/_{2}$	$13^{1}/_{4}$	$2^{3}/_{4}$	$10^{3}/_{16}$	$1^{13}/_{16}$	$7^{3}/_{8}$	(4)-$^{3}/_{4}$	$2^{5}/_{32}$	$5^{1}/_{32}$
SAF 23030 KA x $5^{3}/_{16}$	6	$18^{3}/_{8}$	$5^{1}/_{4}$	$2^{3}/_{8}$	16	$14^{5}/_{8}$	$3^{1}/_{4}$	$11^{5}/_{16}$	$2^{7}/_{32}$	$8^{1}/_{8}$	(4)-$^{7}/_{8}$	$2^{9}/_{32}$	$5^{13}/_{32}$
SAF 23032 KA x $5^{7}/_{16}$	6	$18^{3}/_{8}$	$5^{1}/_{4}$	$2^{3}/_{8}$	16	$14^{5}/_{8}$	$3^{1}/_{4}$	$11^{5}/_{16}$	$2^{1}/_{32}$	$8^{1}/_{8}$	(4)-$^{7}/_{8}$	$2^{7}/_{16}$	$5^{15}/_{32}$
SAF 23034 KA x $5^{15}/_{16}$	6	$20^{1}/_{8}$	$5^{7}/_{8}$	$2^{3}/_{8}$	$17^{1}/_{8}$	16	$3^{3}/_{8}$	$11^{3}/_{4}$	$1^{23}/_{32}$	$7^{5}/_{8}$	(4)-1	$2^{19}/_{32}$	$5^{5}/_{32}$
SAF 23036 KA x $6^{7}/_{16}$	$6^{11}/_{16}$	22	$6^{1}/_{4}$	$2^{5}/_{8}$	$19^{1}/_{4}$	$17^{3}/_{8}$	$3^{3}/_{4}$	$13^{5}/_{16}$	$2^{1}/_{16}$	$8^{3}/_{4}$	(4)-1	$2^{25}/_{32}$	$5^{23}/_{32}$
SAF 23038 KA x $6^{15}/_{16}$	$6^{11}/_{16}$	22	$6^{1}/_{4}$	$2^{5}/_{8}$	$19^{1}/_{4}$	$17^{3}/_{8}$	$3^{3}/_{4}$	$13^{5}/_{16}$	$1^{7}/_{8}$	$8^{3}/_{4}$	(4)-1	$2^{13}/_{16}$	$5^{23}/_{32}$
SAF 23040 KA x $7^{3}/_{16}$	$7^{1}/_{16}$	$24^{3}/_{4}$	$6^{3}/_{4}$	$2^{3}/_{4}$	$21^{5}/_{8}$	$19^{3}/_{8}$	$4^{1}/_{4}$	$14^{3}/_{16}$	$1^{15}/_{16}$	$9^{5}/_{8}$	(4)-1	$3^{1}/_{32}$	$6^{9}/_{32}$
SAF 23044 KA x $7^{15}/_{16}$	$7^{7}/_{8}$	28	$7^{1}/_{2}$	$3^{1}/_{8}$	$24^{3}/_{8}$	$21^{5}/_{8}$	$4^{1}/_{2}$	$15^{11}/_{16}$	$2^{1}/_{4}$	$10^{3}/_{4}$	(4)-$1^{1}/_{4}$	$3^{7}/_{32}$	$6^{23}/_{32}$
SAF 23048 KA x $8^{15}/_{16}$	$8^{1}/_{4}$	$29^{1}/_{2}$	8	$3^{3}/_{8}$	25	$22^{1}/_{2}$	5	$16^{1}/_{2}$	$2^{7}/_{32}$	$11^{1}/_{4}$	(4)-$1^{1}/_{4}$	$3^{9}/_{16}$	$7^{11}/_{16}$
SAF 23052 KA x $9^{7}/_{16}$	$9^{1}/_{2}$	$32^{3}/_{4}$	$8^{3}/_{4}$	$3^{3}/_{4}$	$27^{7}/_{8}$	$24^{3}/_{4}$	$5^{1}/_{4}$	$18^{5}/_{8}$	$2^{3}/_{4}$	12	(4)-$1^{1}/_{2}$	$3^{7}/_{8}$	$8^{1}/_{16}$
SAF 23056 KA x $9^{15}/_{16}$	$9^{7}/_{8}$	$34^{1}/_{4}$	9	4	$29^{1}/_{2}$	$26^{1}/_{4}$	$5^{1}/_{2}$	$19^{1}/_{2}$	$2^{7}/_{8}$	$12^{3}/_{8}$	(4)-$1^{1}/_{2}$	4	$8^{1}/_{4}$
SAF 23056 KA x $10^{7}/_{16}$	$9^{7}/_{8}$	$34^{1}/_{4}$	9	4	$29^{1}/_{2}$	$26^{1}/_{4}$	$5^{1}/_{2}$	$19^{1}/_{2}$	$2^{7}/_{8}$	$12^{3}/_{8}$	(4)-$1^{1}/_{2}$	4	$8^{1}/_{4}$

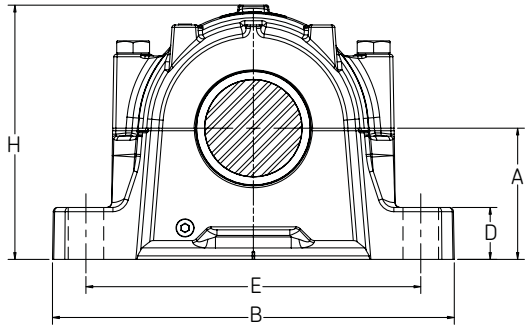
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Toroidal roller (CARB) / cylindrical mount

SAF C2200
Two-piece cast-iron housing
Toroidal/ C2200 series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	SAF C2215
Option	Specify
Four-bolt base	FSAF C2215
One end closed	SAF C2215Y
PosiTrac Plus seal	SAF C2215TLC
Taconite seals	SAF C2215T
Cast-steel	SAFS C2215

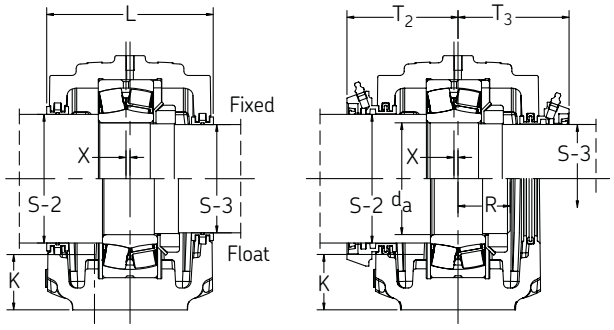


Held: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used.
For shaft diameter tolerances see page 351; for bearing information see page 176; for other seal speed limits see pages 339-342.

Shaft dia.			**Designations**													**Mass**
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Lock-nut*	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
65	3 1/16	2 7/16	**SAF C2213**	C2213TN9	35 000	3 800	KMFE 13	—	SAF 213	SR 13-0	LOR 55	LOR 37	EPR 7	TER 55	TER 37	22
75	3 7/16	2 13/16	**SAF C2215**	C2215	39 000	3 400	KMFE 15	—	SAF 215	SR 15-0	LOR 79	LOR 46	EPR 8	TER 79	TER 46	27
80	3 5/8	3	**SAF C2216**	C2216	43 000	3 200	KMFE 16	—	SAF 216	SR 16-13	LOR 82	LOR 54	EPR 9	TER 82	TER 54	34
85	3 15/16	3 3/16	**SAF C2217**	C2217	53 800	3 000	KMFE 17	—	SAF 217	SR 17-14	LOR 89	LOR 63	EPR 9	TER 89	TER 63	35
90	4 1/18	3 3/8	**SAF C2218**	C2218	63 500	2 600	KMFE 18	—	SAF 218	SR 18-15	LOR 112	LOR 191	EPR 11	TER 112	TER 191	44
100	4 1/2	3 13/16	**SAF C2220**	C2220	80 300	2 200	KMFE 20	—	SAF 220	SR 20-17	LOR 118	LOR 106	EPR 12	TER 118	TER 106	65
110	4 7/8	4 3/16	**SAF C2222**	C2222	103 500	2 000	KMFE 22	—	SAF 222	SR 22-19	LOR 121	LOR 113	EPR 14	TER 121	TER 113	88
130	5 7/8	4 15/16	**SAF C2226**	C2226	144 000	1 800	KML 26	MBL 26	SAF 226	SR 26-0	LOR 136	LOR 122	EPR 27	TER 136	TER 122	134
140	6 1/4	5 5/16	**SAF C2228**	C2228	163 000	1 700	KML 28	MBL 28	SAF 228	SR 28-0	LOR 144	LOR 127	EPR 16	TER 144	TER 127	141
150	6 5/8	5 3/4	**SAF C2230**	C2230	190 000	1 600	KML 30	MBL 30	SAF 230	SR 30-0	LOR 151	LOR 134	EPR 17	TER 151	TER 134	181
170	7 7/16	6 7/16	**SAF C2234**	C2234	245 000	1 300	KML 34	MBL 34	SAF 234	SR 34-0	LOR 161	LOR 148	EPR 19	TER 161	TER 148	263
190	8 3/8	7 1/4	**SAF C2238**	C2238	270 000	1 200	KML 38	MBL 38	SAF 238	SR 38-32	LOR 171	LOR 160	EPR 21	TER 171	TER 160	356
220	9 9/16	8 5/16	**SAF C2244**	C2244	389 000	950	KML 44	MBL 44	SAF 244	SR 44-38	LOR 179	LOR 170	EPR 24	TER 179	TER 170	535

Size SAF C2213, two-bolt base only;
Sizes SAF C2215 - SAF C2220, two-or four-bolt base options;
Sizes SAF C2222 - SAF C2224, four-bolt base only.
* Refer to page 452 for information on KMFE and KML lock nuts.
Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Toroidal roller (CARB) / cylindrical mount

SAF C2200
Two-piece cast-iron housing
Toroidal / C2200 series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF C2215**
Option	Specify
Four-bolt base	FSAF C2215
One end closed	SAF C2215Y
PosiTrac Plus seal	SAF C2215TLC
Taconite seals	SAF C2215T
Cast-steel	SAFS C2215

Held: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used. For shaft diameter tolerances see page 351; for bearing information see page 176; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SAF C2213	3	11	3 1/8	1	9 1/2	8 1/8	—	5 21/32	—	4 1/2	3/16	(2)-5/8	1 1/4	3 3/4	3 3/4
SAF C2215	3 1/4	11 1/4	3 1/8	1 1/8	9 5/8	8 5/8	1 7/8	6 1/8	—	4 11/16	3/16	(2)-5/8, (4)-1/2	1 9/32	3 7/8	3 7/8
SAF C2216	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 1/4	5 5/16	3/16	(2)-3/4, (4)-5/8	1 15/32	4 1/8	4 3/32
SAF C2217	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 1/8	1 3/8	5	3/16	(2)-3/4, (4)-5/8	1 9/16	3 29/32	3 29/32
SAF C2218	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 1/2	5 7/8	3/16	(2)-3/4, (4)-5/8	1 3/4	4 3/16	4 3/32
SAF C2220	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 15/32	1 21/32	6 1/8	3/16	(2)-7/8, (4)-3/4	1 59/64	4 5/16	4 5/16
SAF C2222	4 15/16	16 1/2	4 3/4	2	14 1/2	12 5/8	2 3/4	9 11/32	1 25/32	6 1/2	3/16	(4)-3/4	2 1/8	4 1/2	4 9/16
SAF C2226	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 11/32	8 1/8	3/16	(4)-7/8	2 15/32	5 1/4	5 5/16
SAF C2228	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/32	7 5/8	3/16	(4)-1	2 39/64	5 1/8	5 1/8
SAF C2230	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2	8 3/8	3/16	(4)-1	2 49/64	5 1/2	5 1/2
SAF C2234	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 5/32	9 5/8	3/16	(4)-1	3 1/8	6 3/16	6
SAF C2238	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 7/16	10 3/4	3/16	(4)-1 1/4	3 19/64	7 7/16	6 13/16
SAF C2244	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 1/8	12	3/16	(4)-1 1/2	3 5/8	8	8 1/16

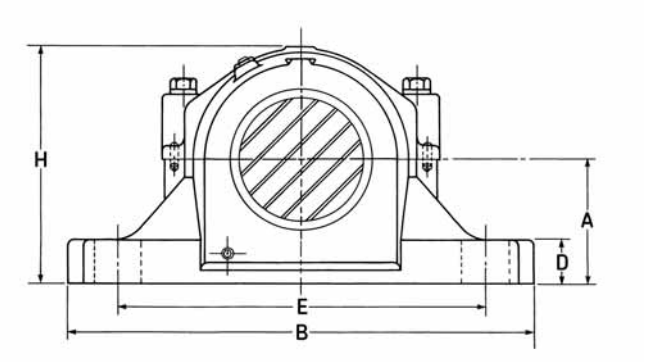
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Toroidal roller (CARB) / cylindrical mount

SAF C2300
Two-piece cast-iron housing
Toroidal / C2300 series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	SAF C2315
Option	Specify
Four-bolt base	FSAF C2315
One end closed	SAF C2315Y
PosiTrac Plus seal	SAF C2315TLC
Taconite seals	SAF C2315T
Cast-steel	SAFS C2315

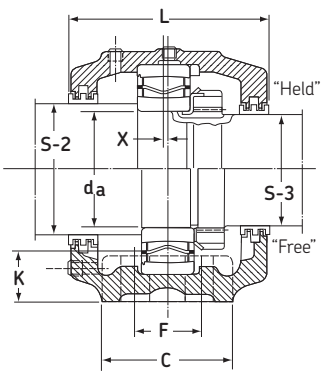


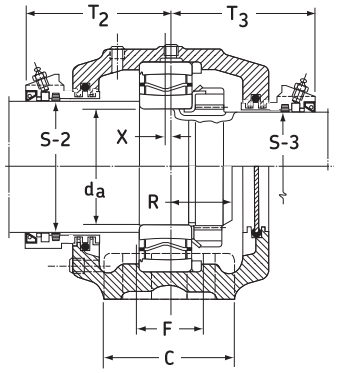
Free: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used.
For shaft diameter tolerances see page 351; for bearing information see page 177; for other seal speed limits see pages 339-342.

Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
70	3 1/4	2 5/8	**SAF C2314**	C2314	79 000	2 400	N 14	W 14	SAF 314	SR 17-14	LOR 64	LOR 43	EPR 8	TER 64	TER 43	42
75	3 7/16	2 13/16	**SAF C2315**	C2315	84 000	2 200	AN 15	W 15	SAF 315	SR 18-15	LOR 79	LOR 46	EPR 8	TER 79	TER 46	48
80	3 5/8	3	**SAF C2316**	C2316	98 300	2 000	AN 16	W 16	SAF 316	SR 19-16	LOR 84	LOR 60	EPR 10	TER 84	TER 60	67
85	3 15/16	3 3/16	**SAF C2317**	C2317	105 000	1 900	AN 17	W 17	SAF 317	SR 20-17	LOR 109	LOR 188	EPR 11	TER 109	TER 188	71
90	4 1/8	3 3/8	**SAF C2318**	C2318	120 000	1 800	AN 18	W 18	SAF 318	SR 21-18	LOR 112	LOR 191	EPR 11	TER 112	TER 191	92
100	4 1/2	3 13/16	**SAF C2320**	C2320	158 000	1 700	AN 20	W 20	SAF 320	SR 24-20	LOR 118	LOR 106	EPR 12	TER 118	TER 106	107

Sizes SAF C2314 - SAF C2317, two-or four-bolt base options;
Sizes SAF C2318 - SAF C2320, four-bolt base only.
Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Toroidal roller (CARB) / cylindrical mount

SAF C2300
Two-piece cast-iron housing
Toroidal / C2300 series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF C2315**
Option	Specify
Four-bolt base	FSAF C2315
One end closed	SAF C2315Y
PosiTrac Plus seal	SAF C2315TLC
Taconite seals	SAF C2315T
Cast-steel	SAFS C2315

Held: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used. For shaft diameter tolerances see page 351; for bearing information see page 177; for other seal speed limits see pages 339-342.

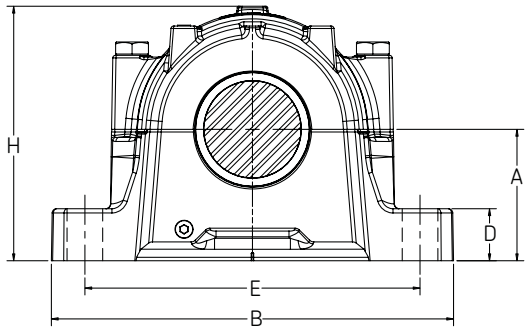
Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SAF C2314	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 3/8	1 15/32	5 3/8	3/16	(2)-3/4, (4)-5/8	1 11/16	4 5/32	4 1/8
SAF C2315	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 19/32	5 7/8	3/16	(2)-3/4, (4)-5/8	1 7/8	4 1/2	4 9/16
SAF C2316	4 1/4	14 1/4	3 7/8	1 5/16	12 5/8	10 5/8	2 1/8	8 1/4	1 11/16	6 1/2	3/16	(2)-3/4, (4)-5/8	1 15/16	4 19/32	4 19/32
SAF C2317	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 3/4	6 3/4	3/16	(2)-7/8, (4)-3/4	2 1/16	4 11/16	4 19/32
SAF C2318	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 3/16	1 7/8	6 7/8	3/16	(4)-3/4	2 3/16	4 3/4	4 19/32
SAF C2320	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 1/32	7 3/8	3/16	(4)-3/4	2 7/16	5	5

Consult SKF USA Inc. prior to design change or order placement.

Toroidal roller (CARB) / adapter mount

SAF C2500
Two-piece cast-iron housing
Toroidal / C2200 K series bearing
Free bearing only
Oil or grease lubrication
LER / LOR triple ring seals

How to order	SAF C2515
Option	Specify
Four-bolt base	FSAF C2515
One end closed	SAF C2515Y
PosiTrac Plus seal	SAF C2515TLC
Taconite seals	SAF C2515T
Optional shaft size	SAF C2515 x 2 1/2
Cast-steel	SAFS C2515



Free: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used.
For shaft diameter tolerances see page 351; for bearing information see page 176; for other seal speed limits see pages 339-342.

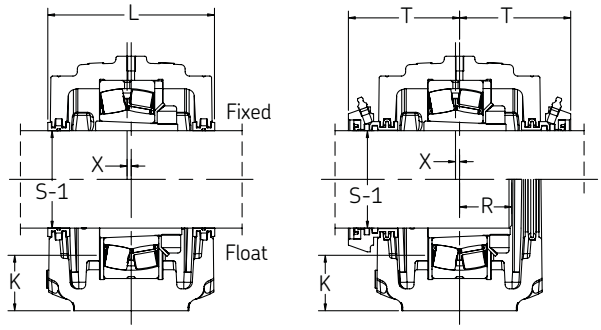
Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
1 3/16	—	**SAF C2507**	C2207 KTN9	16 000	6 700	HA 307E	SAF 507	36053-6	LER 14	EPR 2	TER 14	8
1 7/16	1 3/8, 1 1/2	**SAF C2509**	C2209 KTN9	18 400	5 300	HA 309E	SAF 509	SR 9-9	LER 17	EPR 3	TER 17	12
1 11/16	1 5/8, 1 3/4	**SAF C2510**	C2210 KTN9	19 000	5 000	HA 310E	SAF 510	SR 10-0	LER 20	EPR 4	TER 20	13
1 15/16	1 7/8, 2	**SAF C2511**	C2211 KTN9	22 700	4 500	HA 311E	SAF 511	SR 11-0	LER 24	EPR 5	TER 24	16
2 3/16	2 1/8, 2 1/4	**SAF C2513**	C2213 KTN9	35 500	3 800	HA 313E	SAF 513	SR 13-0	LER 29	EPR 6	TER 29	22
2 7/16	2 3/8, 2 1/2	**SAF C2515**	C2215 K	39 000	3 400	HA 315E	SAF 515	SR 15-0	LOR 37	EPR 7	TER 37	28
2 11/16	2 5/8, 2 3/4	**SAF C2516**	C2216 K	43 000	3 200	HA 316E	SAF 516	SR 16-13	LOR 44	EPR 8	TER 44	37
2 15/16	2 13/16, 2 7/8, 3	**SAF C2517**	C2217 K	53 800	3 000	HA 317E	SAF 517	SR 17-14	LOR 53	EPR 9	TER 53	38
3 3/16	3 1/16, 3 1/8, 3 1/4	**SAF C2518**	C2218 K	65 500	2 600	HA 318E	SAF 518	SR 18-15	LOR 188	EPR 11	TER 188	47
3 7/16	3 5/16, 3 3/8, 3 1/2	**SAF C2520**	C2220 K	80 300	2 200	HA 320E	SAF 520	SR 20-17	LOR 102	EPR 12	TER 102	62
3 15/16	3 13/16, 3 7/8, 4	**SAF C2522**	C2222 K	103 500	2 000	HA 322E	SAF 522	SR 22-19	LOR 109	EPR 13	TER 109	73
4 7/16	4 5/16, 4 3/8, 4 1/2	**SAF C2526**	C2226 K	144 000	1 800	HA 3126L	SAF 526	SR 26-0	LOR 117	EPR 15	TER 117	144
4 15/16	4 13/16, 4 7/8, 5	**SAF C2528**	C2228 K	163 000	1 700	HA 3128L	SAF 528	SR 28-0	LOR 122	EPR 27	TER 122	153
5 3/16	5 1/8, 5 1/4	**SAF C2530**	C2230 K	190 000	1 600	HA 3130L	SAF 530	SR 30-0	LOR 125	EPR 16	TER 125	199
5 15/16	5 13/16, 5 7/8, 6	**SAF C2534**	C2234 K	245 000	1 300	HA 3134L	SAF 534	SR 34-0	LOR 140	EPR 18	TER 140	276
6 15/16	6 13/16, 6 7/8, 7	**SAF C2538**	C2238 K	270 000	1 200	HA 3138L	SAF 538	SR 38-32	LOR 155	EPR 20	TER 155	374
7 15/16	7 13/16, 7 7/8, 8	**SAF C2544**	C2244 K	389 000	950	HA 3144L	SAF 544	SR 44-38	LOR 167	EPR 23	TER 167	576

*Requires different adapter sleeve and seals.

Sizes SAF C2507 - SAF C2513, two-bolt base only;
Sizes SAF C2515 - SAF C2520, two-or four-bolt base options;
Sizes SAF C2522 - SAF C2544, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Toroidal roller (CARB) / adapter mount

SAF C2500
Two-piece cast-iron housing
Toroidal / C2200 K series bearing
Free bearing only
Oil or grease lubrication
LER / LOR triple ring seals

How to order	**SAF C2515**
Option	Specify
Four-bolt base	FSAF C2515
One end closed	SAF C2515Y
PosiTrac Plus seal	SAF C2515TLC
Taconite seals	SAF C2515T
Optional shaft size	SAF C2515 x 2 1/2
Cast-steel	SAFS C2515

Free: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used. For shaft diameter tolerances see page 351; for bearing information see page 176; for other seal speed limits see pages 339-342.

Designations Complete pillow block									**Static oil level**			**Bolts**		
	A	B	C	D	E Max	E Min	F	H	K	L	X	(No. req'd)	R	T
	in													
SAF C2507	2	7 1/2	2	13/16	6 1/8	5 5/8	—	3 3/4	7/8	3 3/16	3/32	(2)-1/2	13/16	3 1/32
SAF C2509	2 1/4	8 1/4	2 3/8	13/16	7	6 1/4	—	4 3/8	31/32	3 5/8	7/64	(2)-1/2	1 3/32	3 1/32
SAF C2510	2 1/2	8 1/4	2 3/8	15/16	7	6 1/2	—	4 3/4	1 3/32	3 5/8	9/64	(2)-1/2	1 5/32	3 1/4
SAF C2511	2 3/4	9 5/8	2 3/4	15/16	7 7/8	7 3/8	—	5 1/32	1 3/16	3 7/8	7/64	(2)-5/8	1 13/64	3 3/8
SAF C2513	3	11	3 1/8	1	9 1/2	8 1/8	—	5 21/32	1 3/32	4 1/2	5/32	(2)-5/8	1 25/64	3 5/8
SAF C2515	3 1/4	11 1/4	3 1/8	1 1/8	9 5/8	8 5/8	1 7/8	6 1/8	1 1/8	4 11/16	7/64	(2)-5/8, (4)-1/2	1 7/16	3 13/16
SAF C2516	3 1/2	13	3 1/2	1 1/4	11	9 5/8	2 1/8	6 19/32	1 1/4	5 5/16	3/16	(2)-3/4, (4)-5/8	1 15/32	4 1/8
SAF C2517	3 3/4	13	3 1/2	1 1/4	11	9 7/8	2 1/8	7 1/8	1 3/8	5	3/16	(2)-3/4, (4)-5/8	1 9/16	3 29/32
SAF C2518	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 1/2	5 7/8	3/16	(2)-3/4, (4)-5/8	1 3/4	4 1/16
SAF C2520	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 15/32	1 21/32	6 1/8	3/16	(2)-7/8, (4)-3/4	1 59/64	4 3/8
SAF C2522	4 15/16	16 1/2	4 3/4	2	14 1/2	12 5/8	2 3/4	9 11/32	1 25/32	6 1/2	3/16	(4)-3/4	2 1/8	4 9/16
SAF C2526	6	18 3/8	5 1/4	2 3/8	16	14 5/8	3 1/4	11 5/16	2 11/32	8 1/8	3/16	(4)-7/8	2 15/32	5 5/16
SAF C2528	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/32	7 5/8	3/16	(4)-1	2 29/64	5 1/8
SAF C2530	6 5/16	21 1/4	6 1/4	2 1/2	18 1/4	17	3 3/4	12 1/2	2	8 3/8	3/16	(4)-1	2 39/64	5 1/2
SAF C2534	7 1/16	24 3/4	6 3/4	2 3/4	21 5/8	19 3/8	4 1/4	14 3/16	2 5/32	9 5/8	3/16	(4)-1	3 1/8	6 1/16
SAF C2538	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 7/16	10 3/4	3/16	(4)-1 1/4	3 19/64	6 11/16
SAF C2544	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 1/8	12	3/16	(4)-1 1/2	3 5/8	7 1/4

Consult SKF USA Inc. prior to design change or order placement.

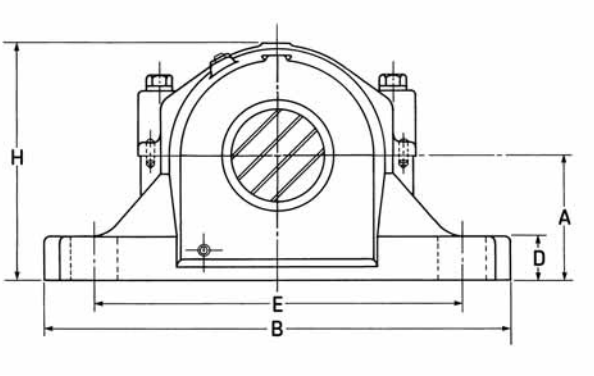
Split pillow blocks (inch series)

Toroidal roller (CARB) / adapter mount

SAF C2600

Two-piece cast-iron housing
Toroidal / C2300 K series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	SAF C2615
Option	Specify
Four-bolt base	FSAF C2615
One end closed	SAF C2615Y
PosiTrac Plus seal	SAF C2615TLC
Taconite seals	SAF C2615T
Optional shaft size	SAF C2615 x 2
Cast-steel	SAFS C2615



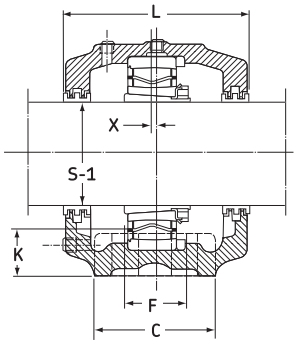
Free: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used.
For shaft diameter tolerances see page 351; for bearing information see page 177; for other seal speed limits see pages 339-342.

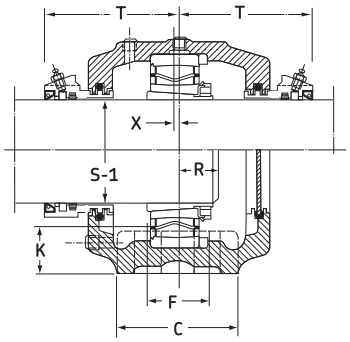
Shaft dia.						Designations						Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$2^{7}/_{16}$	$2^{3}/_{8}$, $2^{1}/_{2}$	**SAF C2615**	C2315 K	84 000	2 200	HA 2315	SAF 615	SR 18-15	LOR 37	EPR 7	TER 37	52
$2^{11}/_{16}$	$2^{5}/_{8}$, $2^{3}/_{4}$	**SAF C2616**	C2316 K	98 300	2 000	HA 2316	SAF 616	SR 19-16	LOR 44	EPR 8	TER 44	71
$2^{15}/_{16}$	$2^{13}/_{16}$, $2^{7}/_{8}$, 3	**SAF C2617**	C2317 K	105 000	1 900	HA 2317	SAF 617	SR 20-17	LOR 184	EPR 10	TER 184	75
$3^{3}/_{16}$	$3^{1}/_{16}$, $3^{1}/_{8}$, $3^{1}/_{4}$	**SAF C2618**	C2318 K	120 000	1 800	HA 2318	SAF 618	SR 21-18	LOR 188	EPR 11	TER 188	97
$3^{7}/_{16}$	$3^{5}/_{16}$, $3^{3}/_{8}$, $3^{1}/_{2}$	**SAF C2620**	C2320 K	158 000	1 700	HA 2320	SAF 620	SR 24-20	LOR 102	EPR 12	TER 102	113

*Optional shaft sizes require different adapter sleeve and seals.
Sizes SAF C2615 - SAF C2617, two-or four-bolt base options;
Sizes SAF C2618 - SAF C2620, four-bolt base only.

Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

SAF C2600
Two-piece cast-iron housing
Toroidal / C2300 K series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF C2615**
Option	Specify
Four-bolt base	FSAF C2615
One end closed	SAF C2615Y
PosiTrac Plus seal	SAF C2615TLC
Taconite seals	SAF C2615T
Optional shaft size	SAF C2615 x 2
Cast-steel	SAFS C2615

Free: Standard and standard option blocks come with a stabilizing ring. For toroidal bearings, the enclosed stabilizing ring must be used. For shaft diameter tolerances see page 351; for bearing information see page 177; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SAF C2615	4	13 3/4	3 7/8	1 5/8	11 5/8	10 3/8	2 1/8	7 9/16	1 19/32	5 7/8	3/16	(2)-3/4, (4)-5/8	1 7/8	4 11/32
SAF C2616	4 1/4	14 1/4	3 7/8	1 3/4	12 5/8	10 5/8	2 1/8	8 1/4	1 11/16	6 1/2	3/16	(2)-3/4, (4)-5/8	1 15/16	4 19/32
SAF C2617	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	1 3/4	6 3/4	3/16	(2)-7/8, (4)-3/4	2 1/16	4 9/16
SAF C2618	4 3/4	15 1/2	4 3/8	2	13 1/2	12	2 1/4	9 1/4	1 7/8	6 7/8	3/16	(4)-3/4	2 3/16	4 9/16
SAF C2620	5 1/4	16 1/2	4 3/4	2 1/8	14 1/2	13 1/4	2 3/4	10 3/16	2 1/32	7 5/16	3/16	(4)-3/4	2 7/16	5

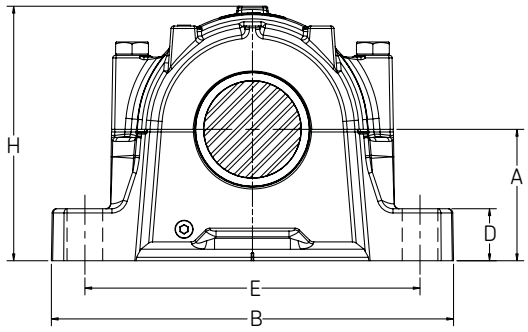
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Toroidal roller (CARB) / adapter mount

SAF C3000 KA
Two-piece cast-iron housing
Toroidal / C3000 K series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	C3036 KA x $6^{7}/_{16}$
Option	Specify
One end closed	SAF C3036 KAY x $6^{7}/_{16}$
PosiTrac Plus seal	SAF C3036TLC x $6^{7}/_{16}$
Taconite seals	SAF C3036 KAT x $6^{7}/_{16}$
Optional shaft size	SAF C3036 KA x $6^{1}/_{2}$
Cast-steel	SAFS C3036 KA x $6^{7}/_{16}$

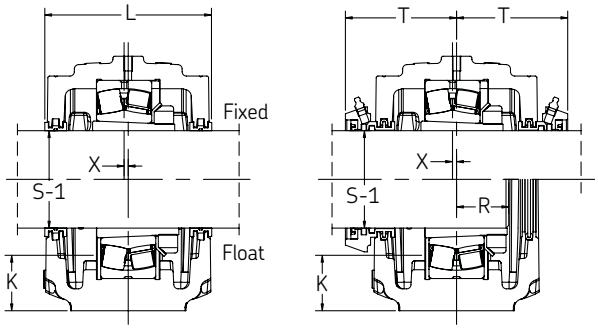


For toroidal bearings in this series, you must order the appropriate stabilizing rings.
For shaft diameter tolerances see page 351; for bearing information see page 178; for other seal speed limits see pages 339-342.

Shaft dia.		Designations										Mass
S-1 Standard	Optional*	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$6^{7}/_{16}$	$6^{5}/_{16}$, $6^{3}/_{8}$, $6^{1}/_{2}$	**SAF C3036 KA x $6^{7}/_{16}$**	C3036 K	123 500	1 400	HA 3036	SAF 036 KA x $6^{7}/_{16}$	38151-36	LOR 148	EPR 19	TER 148	272
$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SAF C3038 KA x $6^{15}/_{16}$**	C3038 K	180 000	1 300	HA 3038	SAF 038 KA x $6^{15}/_{16}$	38151-38	LOR 155	EPR 20	TER 155	284
$7^{3}/_{16}$	$7^{1}/_{8}$, $7^{1}/_{4}$	**SAF C3040 KA x $7^{3}/_{16}$**	C3040 K	220 000	1 200	HA 3040	SAF 040 KA x $7^{3}/_{16}$	38151-40	LOR 159	EPR 21	TER 159	367
$7^{15}/_{16}$	$7^{13}/_{16}$, $7^{7}/_{8}$, 8	**SAF C3044 KA x $7^{15}/_{16}$**	C3044 K	259 000	1 100	HA 3044	SAF 044 KA x $7^{15}/_{16}$	36053-140	LOR 167	EPR 23	TER 167	386
$8^{15}/_{16}$	$8^{7}/_{16}$, $8^{1}/_{2}$, 9	**SAF C3048 KA x $8^{15}/_{16}$**	C3048 K	270 000	1 000	HA 3048	SAF 048 KA x $8^{15}/_{16}$	A-8897	LOR 552	X-5217-4	TER 552	474
$9^{7}/_{16}$	$9^{1}/_{2}$	**SAF C3052 KA x $9^{7}/_{16}$**	C3052 K	346 500	900	HA 3052	SAF 052 KA x $9^{7}/_{16}$	A-8898	LOR 553	X-5217-2	TER 553	530
$9^{15}/_{16}$	10	**SAF C3056 KA x $9^{15}/_{16}$**	C3056 K	362 000	850	HA 3056/252.4	SAF 056 KA x $9^{15}/_{16}$	A-8819	LOR 607	X-5217-2	TER 607	800
$10^{7}/_{16}$	$10^{1}/_{2}$	**SAF C3056 KA x $10^{7}/_{16}$**	C3056 K	362 000	850	HA 3056/265.1	SAF 056 KA x $10^{7}/_{16}$	A-8819	LOR 606	X-5217-1	TER 606	800

*Optional shaft sizes require different adapter sleeve and seals.
Sizes SAF C3036 KA - SAF C3056 KA, four-bolt base only.
Optional internal radial clearances (e.g. C3) are available upon request.

Consult SKF USA Inc. prior to design change or order placement.



Taconite seal option

Toroidal roller / adapter mount

SAF C3000 KA
Two-piece cast-iron housing
Self-aligning / 23000 K series bearing
Free bearing only
Oil or grease lubrication
LOR triple ring seals

How to order	**SAF C3036 KA x $6^{7}/_{16}$**
Option	Specify
One end closed	SAF C3036 KAY $6^{7}/_{16}$
PosiTrac Plus seal	SAF C3036 KA/TLC x $6^{7}/_{16}$
Taconite seals	SAF C3036 KAT $6^{7}/_{16}$
Optional shaft size	SAF C3036 KA x $6^{1}/_{2}$
Cast-steel	SAFS C3036 KA x $6^{7}/_{16}$

For toroidal bearings in this series, you must order the appropriate stabilizing rings.
For shaft diameter tolerances see page 351; for bearing information see page 178; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in												
SAF C3036 KA x $6^{7}/_{16}$	$6^{11}/_{16}$	22	$6^{1}/_{4}$	$2^{5}/_{8}$	$19^{1}/_{4}$	$17^{3}/_{8}$	$3^{3}/_{4}$	$13^{5}/_{16}$	$2^{1}/_{16}$	$8^{3}/_{4}$	(4)-1	$2^{25}/_{32}$	$5^{23}/_{32}$
SAF C3038 KA x $6^{15}/_{16}$	$6^{11}/_{16}$	22	$6^{1}/_{4}$	$2^{5}/_{8}$	$19^{1}/_{4}$	$17^{3}/_{8}$	$3^{3}/_{4}$	$13^{5}/_{16}$	$1^{7}/_{8}$	$8^{3}/_{4}$	(4)-1	$2^{13}/_{16}$	$5^{23}/_{32}$
SAF C3040 KA x $7^{3}/_{16}$	$7^{1}/_{16}$	$24^{3}/_{4}$	$6^{3}/_{4}$	$2^{3}/_{4}$	$21^{5}/_{8}$	$19^{3}/_{8}$	$4^{1}/_{4}$	$14^{3}/_{16}$	$1^{15}/_{16}$	$9^{5}/_{8}$	(4)-1	$3^{1}/_{32}$	$6^{9}/_{32}$
SAF C3044 KA x $7^{15}/_{16}$	$7^{7}/_{8}$	28	$7^{1}/_{2}$	$3^{1}/_{8}$	$24^{3}/_{8}$	$21^{5}/_{8}$	$4^{1}/_{2}$	$15^{11}/_{16}$	$2^{1}/_{4}$	$10^{3}/_{4}$	(4)-$1^{1}/_{4}$	$3^{7}/_{32}$	$6^{23}/_{32}$
SAF C3048 KA x $8^{15}/_{16}$	$8^{1}/_{4}$	$29^{1}/_{2}$	8	$3^{3}/_{8}$	25	$22^{1}/_{2}$	5	$16^{1}/_{2}$	$2^{7}/_{32}$	$11^{1}/_{4}$	(4)-$1^{1}/_{4}$	$3^{9}/_{16}$	$7^{11}/_{16}$
SAF C3052 KA x $9^{7}/_{16}$	$9^{1}/_{2}$	$32^{3}/_{4}$	$8^{3}/_{4}$	$3^{3}/_{4}$	$27^{7}/_{8}$	$24^{3}/_{4}$	$5^{1}/_{4}$	$18^{5}/_{8}$	$2^{3}/_{4}$	12	(4)-$1^{1}/_{2}$	$3^{7}/_{8}$	$8^{1}/_{16}$
SAF C3056 KA x $9^{15}/_{16}$	$9^{7}/_{8}$	$34^{1}/_{4}$	9	$2^{3}/_{4}$	$29^{1}/_{2}$	$26^{1}/_{4}$	$5^{1}/_{2}$	$20^{3}/_{16}$	$2^{7}/_{8}$	$12^{1}/_{4}$	(4)-$1^{1}/_{2}$	4	$8^{1}/_{4}$
SAF C3056 KA x $10^{7}/_{16}$	$9^{7}/_{8}$	$34^{1}/_{4}$	9	$2^{3}/_{4}$	$29^{1}/_{2}$	$26^{1}/_{4}$	$5^{1}/_{2}$	$20^{3}/_{16}$	$2^{7}/_{8}$	$12^{1}/_{4}$	(4)-$1^{1}/_{2}$	4	$8^{1}/_{4}$

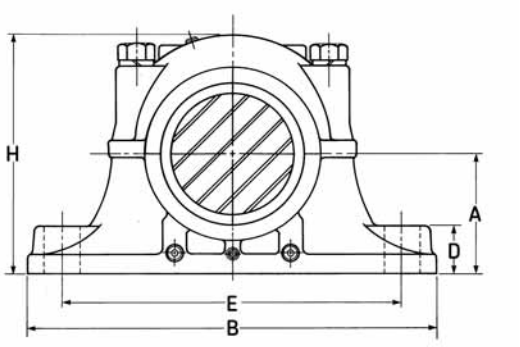
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / cylindrical mount

SDAF 22200
Two-piece heavy duty cast-iron housing
Self-aligning / 22200 series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

How to order	SDAF 22220
Option	Specify
One end closed	SDAF 22220Y
Taconite seals	SDAF 22220T
Cast-steel	SDAFS 22220

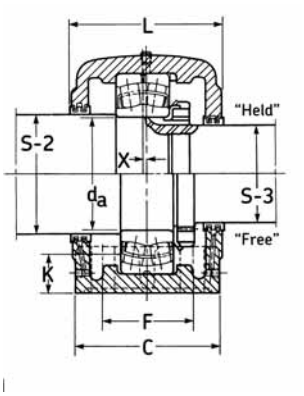


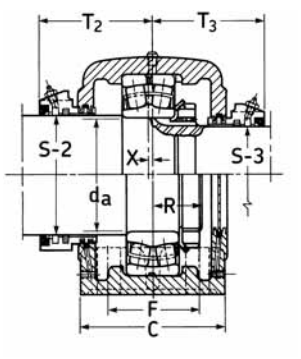
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 343-344.

Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min										lbs
100	4 1/2	3 13/16	**SDAF 22220**	22220 CC/W33	81 000	2 200	AN 20	W 20	SDAF 220	SR 20-17	LER 205	LER 87	EPR 12	TER 205	TER 87	80
110	4 7/8	4 3/16	**SDAFS 22222***	22222 CC/W33	105 000	2 000	AN 22	W 22	SDAFS 222	SR 22-19	LOR 121	LOR 113	EPR 14	TER 121	TER 113	102
120	5 5/16	4 9/16	**SDAF 22224**	22224 CC/W33	121 000	1 900	AN 24	W 24	SDAF 224	SR 24-20	LOR 127	LOR 119	EPR 15	TER 127	TER 119	118
130	5 7/8	4 15/16	**SDAF 22226**	22226 CC/W33	142 000	1 800	AN 26	W 26	SDAF 226	SR 26-0	LOR 136	LOR 122	EPR 27	TER 136	TER 122	169
140	6 1/4	5 5/16	**SDAFS 22228***	22228 CC/W33	160 000	1 700	AN 28	W 28	SDAFS 228	SR 28-0	LOR 144	LOR 127	—	TER 144	TER 127	175
150	6 5/8	5 3/4	**SDAF 22230**	22230 CC/W33	191 000	1 600	AN 30	W 30	SDAF 230	SR 30-0	LOR 151	LOR 134	EPR 17	TER 151	TER 134	200
160	7	6 1/16	**SDAF 22232**	22232 CC/W33	225 000	1 500	AN 32	W 32	SDAF 232	SR 32-0	LOR 156	LOR 142	EPR 18	TER 156	TER 142	264
180	7 13/16	6 7/8	**SDAF 22236**	22236 CC/W33	265 000	1 300	AN 36	W 36	SDAF 236	SR 36-30	LOR 165	LOR 154	EPR 20	TER 165	TER 154	436
190	8 3/8	7 1/4	**SDAF 22238**	22238 CC/W33	286 000	1 200	AN 38	W 38	SDAF 238	SR 38-32	LER 240	LER 229	EPR 22	TER 240	TER 229	510
200	8 3/4	7 5/8	**SDAF 22240**	22240 CC/W33	328 000	1 100	AN 40	W 40	SDAF 240	SR 40-34	LER 244	LER 233	EPR 23	TER 244	TER 233	389
220	9 9/16	8 5/16	**SDAF 22244**	22244 CC/W33	396 000	950	N 44	W 44	SDAF 244	SR 44-38	LER 248	LER 239	EPR 25	TER 248	TER 239	787

*Available in steel only

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / cylindrical mount

SDAF 22200
Two-piece heavy duty cast-iron housing
Self-aligning / 22200 series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

How to order	**SDAF 22220**
Option	Specify
One end closed	SDAF 22220Y
Taconite seals	SDAF 22220T
Cast-steel	SDAFS 22220

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 343-344.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SDAF 22220	4 1/2	15 1/4	6	1 7/8	13 1/8	11 5/8	3 3/8	8 15/16	1 21/32	6 3/4	3/16	(4)-3/4	1 59/64	4 11/16	4 11/16
SDAFS 22222	4 15/16	16 1/2	6 3/4	2 1/8	14 1/2	12 5/8	4	9 7/8	1 13/16	7 1/4	3/16	(4)-7/8	2 1/8	4 7/8	4 7/8
SDAF 22224	5 1/4	16 1/2	6 7/8	2 1/4	14 1/2	13 1/4	4 1/8	10 1/2	1 27/32	7 3/8	3/16	(4)-7/8	2 9/32	4 15/16	4 15/16
SDAF 22226	6	18 3/8	7 1/2	2 3/8	16	14 5/8	4 1/2	11 7/8	2 11/32	8	3/16	(4)-1	2 15/32	5 1/4	5 1/4
SDAFS 22228	6	20 1/8	7 1/2	2 3/8	17 1/8	16	4 1/2	12 1/16	2 1/8	7 3/16	3/16	(4)-1	—	—	—
SDAF 22230	6 5/16	21 1/4	7 7/8	2 1/2	18 1/4	17	4 3/4	12 9/16	2 1/32	8 3/8	3/16	(4)-1 1/8	2 49/64	5 7/16	5 7/16
SDAF 22232	6 11/16	22	8 1/4	2 1/2	19 1/4	17 3/8	5	13 7/16	2 3/32	8 3/4	3/16	(4)-1 1/8	2 31/32	5 5/8	5 5/8
SDAF 22236	7 1/2	26 3/4	9 3/8	2 3/4	23 5/8	20 7/8	5 7/8	15 3/16	2 3/8	10	3/16	(4)-1 1/4	3 9/64	6 1/8	6 1/8
SDAF 22238	7 7/8	27 5/8	10	3	23 1/2	21 1/2	6 1/4	16	2 7/16	10 5/8	3/16	(4)-1 3/8	3 19/64	7 1/4	7 1/4
SDAF 22240	8 1/4	28 3/4	10 1/2	3 1/4	25	23	6 3/4	16 7/8	2 1/2	11 1/8	3/16	(4)-1 3/8	3 1/2	7 1/2	7 1/2
SDAF 22244	9 1/2	32	11 1/4	3 1/2	27 7/8	25 5/8	7 1/4	19	3 1/8	11 7/8	3/16	(4)-1 1/2	3 5/8	7 7/8	7 7/8

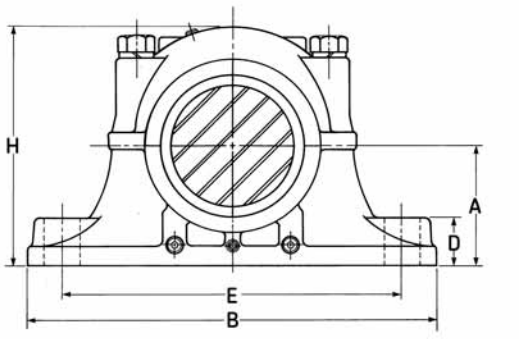
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / cylindrical mount

SDAF 22300
Two-piece heavy duty cast-iron housing
Self-aligning / 22300 series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

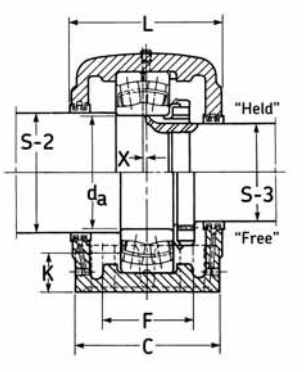
How to order	SDAF 22320
Option	Specify
One end closed	SDAF 22320Y
Taconite seals	SDAF 22320T
Cast-steel	SDAFS 22320

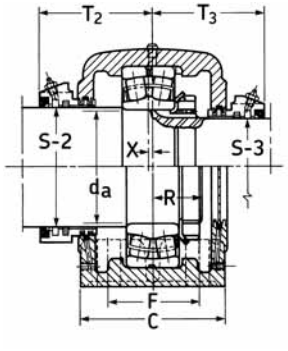


Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 343-344.

Shaft dia.			Designations														Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
mm	in				lbs	r/min											lbs
85	3 15/16	3 3/16	**SDAF 22317**	22317 CC/W33	108 000	1 900	AN 17	W 17	SDAF 317	SR 20-17	LER 93	LER 69	EPR 11	TER 93	TER 69		83
100	4 1/2	3 13/16	**SDAF 22320**	22320 CC/W33	160 000	1 700	AN 20	W 20	SDAF 320	SR 24-20	LER 205	LER 87	EPR 12	TER 205	TER 87		141
110	4 7/8	4 3/16	**SDAF 22322**	22322 CC/W33	187 000	1 600	AN 22	W 22	SDAF 322	SR 0-22	LOR 121	LOR 113	EPR 14	TER 121	TER 113		172
120	5 5/16	4 9/16	**SDAF 22324**	22324 CC/W33	217 000	1 400	AN 24	W 24	SDAF 324	SR 0-24	LOR 127	LOR 119	EPR 15	TER 127	TER 119		304
130	5 7/8	4 15/16	**SDAF 22326**	22326 CC/W33	252 000	1 300	AN 26	W 26	SDAF 326	SR 0-26	LOR 136	LOR 122	EPR 27	TER 136	TER 122		330
140	6 1/4	5 5/16	**SDAF 22328**	22328 CC/W33	290 000	1 100	AN 28	W 28	SDAF 328	SR 0 28	LOR 144	LOR 127	EPR 16	TER 144	TER 127		331
150	6 5/8	5 3/4	**SDAF 22330**	22330 CC/W33	328 000	1 000	AN 30	W 30	SDAF 330	SR 36-30	LOR 151	LOR 134	EPR 17	TER 151	TER 134		466
160	7	6 1/16	**SDAF 22332**	22332 CC/W33	360 000	950	AN 32	W 32	SDAF 332	SR 38-32	LER 225	LER 217	EPR 19	TER 225	TER 217		537
170	7 7/16	6 7/16	**SDAF 22334**	22334 CC/W33	396 000	950	AN 34	W 34	SDAF 334	SR 40-34	LER 230	LER 220	EPR 26	TER 230	TER 220		554
180	7 13/16	6 7/8	**SDAF 22336**	22336 CC/W33	450 000	900	AN 36	W 36	SDAF 336	SR 0-36	LER 234	LER 223	EPR 21	TER 234	TER 223		623
190	8 3/8	7 1/4	**SDAF 22338**	22338 CC/W33	477 000	850	AN 38	W 38	SDAF 338	SR 44-38	LER 240	LER 229	EPR 22	TER 240	TER 229		734

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / cylindrical mount

SDAF 22300
Two-piece heavy duty cast-iron housing
Self-aligning / 22300 series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

How to order	**SDAF 22320**
Option	Specify
One end closed	SDAF 22320Y
Taconite seals	SDAF 22320T
Cast-steel	SDAFS 22320

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 343-344.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SDAF 22317	4 1/2	15 1/4	6	1 7/8	13 1/8	11 5/8	3 3/8	8 15/16	1 25/32	6 3/4	3/16	(4)-3/4	2 1/16	4 3/4	4 3/4
SDAF 22320	5 1/4	16 1/2	6 7/8	2 1/4	14 1/2	13 1/4	4 1/8	10 1/2	2 1/32	7 3/8	3/16	(4)-7/8	2 7/16	5	5
SDAF 22322	6	18 3/8	7 1/2	2 3/8	16	14 5/8	4 1/2	11 7/8	2 13/32	8	3/16	(4)-1	2 5/8	5 1/4	5 1/4
SDAF 22324	6 5/16	21 1/4	7 7/8	2 1/2	18 1/4	17	4 3/4	12 9/16	2 13/32	8 3/8	3/16	(4)-1 1/8	2 13/16	5 7/16	5 7/16
SDAF 22326	6 11/16	22	8 1/4	2 1/2	19 1/4	17 3/8	5	13 7/16	2 15/32	8 3/4	3/16	(4)-1 1/8	3	5 5/8	5 5/8
SDAF 22328	7 1/16	24 3/4	9	2 1/2	21 5/8	19 3/8	5 1/2	14 1/4	2 9/16	9 3/8	3/16	(4)-1 1/4	3 1/4	6 1/16	6 1/16
SDAF 22330	7 1/2	26 3/4	9 3/8	2 3/4	23 5/8	20 7/8	5 7/8	15 3/16	2 5/8	9 3/4	3/16	(4)-1 1/4	3 7/16	6 1/8	6 1/8
SDAF 22332	7 7/8	27 5/8	10	3	23 1/2	21 1/2	6 1/4	16	2 23/32	10 5/8	3/16	(4)-1 3/8	3 5/8	6 1/2	6 1/2
SDAF 22334	8 1/4	28 3/4	10 1/2	3 1/4	25	23	6 3/4	16 7/8	2 3/4	11 1/8	3/16	(4)-1 3/8	3 3/4	6 7/8	6 7/8
SDAF 22336	8 7/8	30 1/2	10 3/4	3 1/4	26 3/8	24 1/8	6 7/8	17 15/16	3 1/16	11 3/8	3/16	(4)-1 1/2	3 7/8	6 7/8	6 7/8
SDAF 22338	9 1/2	32	11 1/4	3 1/2	27 7/8	25 5/8	7 1/4	19	3 13/32	11 7/8	3/16	(4)-1 1/2	4 1/16	7 7/8	7 7/8

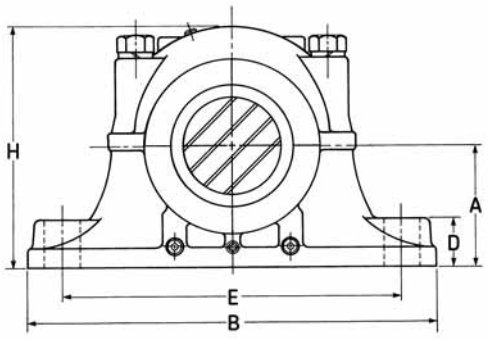
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SDAF 22500
Two-piece heavy duty cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

How to order	SDAF 22520
Option	Specify
One end closed	SDAF 22520Y
Taconite seals	SDAF 22520T
Cast-Steel	SDAFS 22520
Optional shaft size	SDAF 22520 x $3^{1}/_{2}$

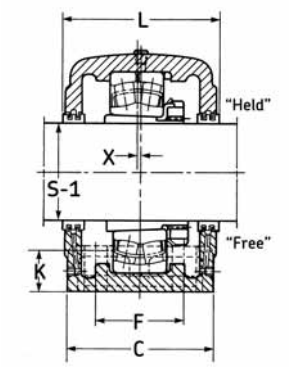


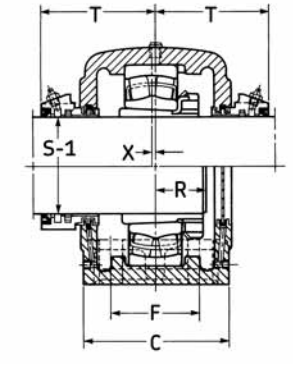
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 343-344.

Shaft dia.		Designations										Mass
S-1 Standard	Optional	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$3^{7}/_{16}$	$3^{5}/_{16}$, $3^{3}/_{8}$, $3^{1}/_{2}$	**SDAF 22520**	22220 CCK/W33	81 000	2 200	SNW 20	SDAF 520	SR 20-17	LER 75	EPR 11	TER 75	96
$3^{15}/_{16}$	$3^{13}/_{16}$, $3^{7}/_{8}$, 4	**SDAFS 22522***	22222 CCK/W33	105 000	2 000	SNW 22	SDAFS 522	SR 22-19	LER 93	EPR 13	TER 93	105
$4^{3}/_{16}$	$4^{1}/_{16}$, $4^{1}/_{8}$, $4^{1}/_{4}$	**SDAF 22524**	22224 CCK/W33	121 000	1 900	SNW 24	SDAF 524	SR 24-20	LOR 113	EPR 14	TER 113	125
$4^{7}/_{16}$	$4^{5}/_{16}$, $4^{3}/_{8}$, $4^{1}/_{2}$	**SDAF 22526**	22226 CCK/W33	142 000	1 800	SNW 26	SDAF 526	SR 26-0	LOR 117	EPR 15	TER 117	199
$4^{15}/_{16}$	$4^{13}/_{16}$, $4^{7}/_{8}$, 5	**SDAFS 22528***	22228 CCK/W33	160 000	1 700	SNW 28	SDAFS 528	SR 28-0	LOR 122	EPR 27	TER 122	220
$5^{3}/_{16}$	$5^{1}/_{8}$, $5^{1}/_{4}$	**SDAF 22530**	22230 CCK/W33	191 000	1 600	SNW 30	SDAF 530	SR 30-0	LOR 125	EPR 16	TER 125	259
$5^{7}/_{16}$	$5^{3}/_{8}$, $5^{1}/_{2}$	**SDAF 22532**	22232 CCK/W33	225 000	1 500	SNW 32	SDAF 532	SR 32-0	LOR 130	EPR 16	TER 130	330
$6^{7}/_{16}$	$6^{5}/_{16}$, $6^{3}/_{8}$, $6^{1}/_{2}$	**SDAF 22536**	22236 CCK/W33	265 000	1 300	SNW 36	SDAF 536	SR 36-30	LOR 148	EPR 19	TER 148	403
$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SDAF 22538**	22238 CCK/W33	286 000	1 200	SNW 38	SDAF 538	SR 38-32	LER 224	EPR 21	TER 224	454
$7^{3}/_{16}$	$7^{1}/_{8}$, $7^{1}/_{4}$	**SDAF 22540**	22240 CCK/W33	328 000	1 100	SNW 40	SDAF 540	SR 40-34	LER 228	EPR 22	TER 228	544
$7^{15}/_{16}$	$7^{13}/_{16}$, $7^{7}/_{8}$, 8	**SDAF 22544**	22244 CCK/W33	396 000	950	SNW 44	SDAF 544	SR 44-38	LER 236	EPR 24	TER 236	795

*Available in steel only

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / adapter mount

SDAF 22500
Two-piece heavy duty cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

How to order	**SDAF 22520**
Option	Specify
One end closed	SDAF 22520Y
Taconite seals	SDAF 22520T
Cast-steel	SDAFS 22520
Optional shaft size	SDAF 22520 x $3\frac{1}{2}$

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 147; for other seal speed limits see pages 343-344.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SDAF 22520	$4\frac{1}{2}$	$15\frac{1}{4}$	6	$1\frac{7}{8}$	$13\frac{1}{8}$	$11\frac{5}{8}$	$3\frac{3}{8}$	$8\frac{15}{16}$	$1\frac{21}{32}$	$6\frac{3}{4}$	$\frac{3}{16}$	(4)-$\frac{3}{4}$	$1\frac{59}{64}$	$4\frac{3}{4}$
SDAFS 22522	$4\frac{15}{16}$	$16\frac{1}{2}$	$6\frac{3}{4}$	$2\frac{1}{8}$	$14\frac{1}{2}$	$12\frac{5}{8}$	4	$9\frac{7}{8}$	$1\frac{13}{16}$	$7\frac{1}{4}$	$\frac{3}{16}$	(4)-$\frac{7}{8}$	$2\frac{1}{8}$	$4\frac{7}{8}$
SDAF 22524	$5\frac{1}{4}$	$16\frac{1}{2}$	$6\frac{7}{8}$	$2\frac{1}{4}$	$14\frac{1}{2}$	$13\frac{1}{4}$	$4\frac{1}{8}$	$10\frac{1}{2}$	$1\frac{27}{32}$	$7\frac{3}{8}$	$\frac{3}{16}$	(4)-$\frac{7}{8}$	$2\frac{9}{32}$	$4\frac{15}{16}$
SDAF 22526	6	$18\frac{3}{8}$	$7\frac{1}{2}$	$2\frac{3}{8}$	16	$14\frac{5}{8}$	$4\frac{1}{2}$	$11\frac{7}{8}$	$2\frac{11}{32}$	8	$\frac{3}{16}$	(4)-1	$2\frac{15}{32}$	$5\frac{1}{4}$
SDAFS 22528	6	$20\frac{1}{8}$	$7\frac{1}{2}$	$2\frac{3}{8}$	$17\frac{1}{8}$	16	$4\frac{1}{2}$	$12\frac{1}{16}$	$2\frac{1}{8}$	$7\frac{13}{16}$	$\frac{3}{16}$	(4)-$1\frac{1}{8}$	—	—
SDAF 22530	$6\frac{5}{16}$	$21\frac{1}{4}$	$7\frac{7}{8}$	$2\frac{1}{2}$	$18\frac{1}{4}$	17	$4\frac{3}{4}$	$12\frac{9}{16}$	$2\frac{1}{32}$	$8\frac{3}{8}$	$\frac{3}{16}$	(4)-$1\frac{1}{8}$	$2\frac{49}{64}$	$5\frac{7}{16}$
SDAF 22532	$6\frac{11}{16}$	22	$8\frac{1}{4}$	$2\frac{1}{2}$	$19\frac{1}{4}$	$17\frac{3}{8}$	5	$13\frac{7}{16}$	$2\frac{3}{32}$	$8\frac{3}{4}$	$\frac{3}{16}$	(4)-$1\frac{1}{8}$	$2\frac{31}{32}$	$5\frac{5}{8}$
SDAF 22536	$7\frac{1}{2}$	$26\frac{3}{4}$	$9\frac{3}{8}$	$2\frac{3}{4}$	$23\frac{5}{8}$	$20\frac{7}{8}$	$5\frac{7}{8}$	$15\frac{3}{16}$	$2\frac{3}{8}$	10	$\frac{3}{16}$	(4)-$1\frac{1}{4}$	$3\frac{9}{64}$	$6\frac{1}{8}$
SDAF 22538	$7\frac{7}{8}$	$27\frac{5}{8}$	10	3	$23\frac{1}{2}$	$21\frac{1}{2}$	$6\frac{1}{4}$	16	$2\frac{7}{16}$	$10\frac{5}{8}$	$\frac{3}{16}$	(4)-$1\frac{3}{8}$	$3\frac{19}{64}$	$6\frac{1}{2}$
SDAF 22540	$8\frac{1}{4}$	$28\frac{3}{4}$	$10\frac{1}{2}$	$3\frac{1}{4}$	25	23	$6\frac{3}{4}$	$16\frac{7}{8}$	$2\frac{1}{2}$	$11\frac{1}{8}$	$\frac{3}{16}$	(4)-$1\frac{3}{8}$	$3\frac{1}{2}$	$6\frac{7}{8}$
SDAF 22544	$9\frac{1}{2}$	32	$11\frac{1}{4}$	$3\frac{1}{2}$	$27\frac{7}{8}$	$25\frac{5}{8}$	$7\frac{1}{4}$	19	$3\frac{1}{8}$	$11\frac{7}{8}$	$\frac{3}{16}$	(4)-$1\frac{1}{2}$	$3\frac{5}{8}$	$7\frac{1}{8}$

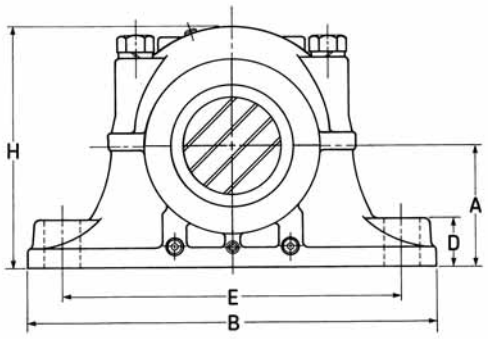
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SDAF 22600
Two-piece heavy duty cast-iron housing
Self-aligning / 22300 K series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

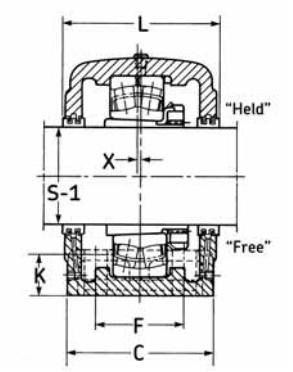
How to order	SDAF 22617
Option	Specify
One end closed	SDAF 22617Y
Taconite seals	SDAF 22617T
Cast-steel	SDAFS 22617
Optional shaft size	SDAF 22617 x 3

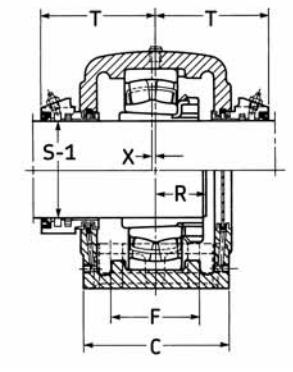


Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 343-344.

Shaft dia.		Designations										Mass
S-1 Standard	Optional	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LER / LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$2^{15}/_{16}$	$2^{13}/_{16}$, $2^{7}/_{8}$, 3	**SDAF 22617**	22317 CCK/W33	108 000	1 900	SNW 117	SDAF 617	SR 20-17	LER 59	EPR 10	TER 59	84
$3^{7}/_{16}$	$3^{5}/_{16}$, $3^{3}/_{8}$, $3^{1}/_{2}$	**SDAF 22620**	22320 CCK/W33	160 000	1 700	SNW 120	SDAF 620	SR 24-20	LER 75	EPR 11	TER 75	164
$3^{15}/_{16}$	$3^{13}/_{16}$, $3^{7}/_{8}$, 4	**SDAF 22622**	22322 CCK/W33	187 000	1 600	SNW 122	SDAF 622	SR 0-22	LER 93	EPR 13	TER 93	178
$4^{3}/_{16}$	$4^{1}/_{16}$, $4^{1}/_{8}$, $4^{1}/_{4}$	**SDAF 22624**	22324 CCK/W33	217 000	1 400	SNW 124	SDAF 624	SR 0-24	LOR 113	EPR 14	TER 113	272
$4^{7}/_{16}$	$4^{5}/_{16}$, $4^{3}/_{8}$, $4^{1}/_{2}$	**SDAF 22626**	22326 CCK/W33	252 000	1 300	SNW 126	SDAF 626	SR 0-26	LOR 117	EPR 15	TER 117	340
$5^{7}/_{16}$	$5^{3}/_{8}$, $5^{1}/_{2}$	**SDAF 22632**	22332 CCK/W33	360 000	950	SNW 132	SDAF 632	SR 38-32	LER 211	EPR 17	TER 211	455
$5^{15}/_{16}$	$5^{13}/_{16}$, $5^{7}/_{8}$, 6	**SDAF 22634**	22334 CCK/W33	396 000	950	SNW 134	SDAF 634	SR 40-34	LER 215	EPR 19	TER 215	530
$6^{7}/_{16}$	$6^{5}/_{16}$, $6^{3}/_{8}$, $6^{1}/_{2}$	**SDAF 22636**	22336 CCK/W33	450 000	900	SNW 136	SDAF 636	SR 0-36	LER 220	EPR 26	TER 220	630
$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SDAF 22638**	22338 CCK/W33	477 000	850	SNW 138	SDAF 638	SR 44-38	LER 224	EPR 21	TER 224	792

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / adapter mount

SDAF 22600
Two-piece heavy duty cast-iron housing
Self-aligning / 22300 K series bearing
Held or free bearing
Oil or grease lubrication
LOR / LER triple ring seals

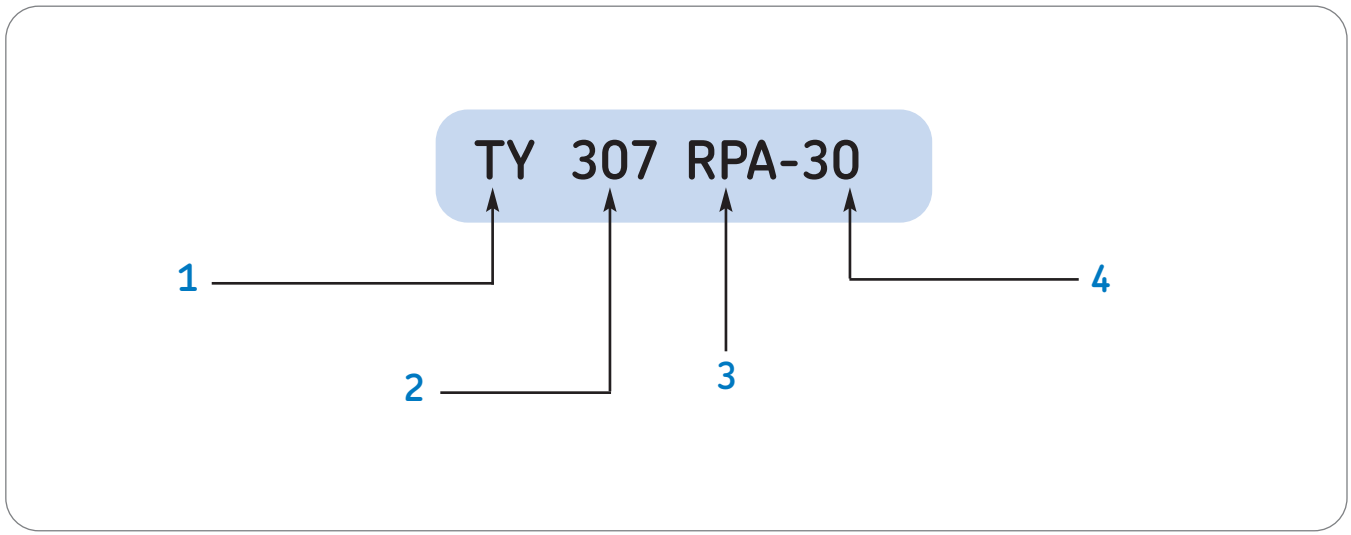
How to order	**SDAF 22617**
Option	Specify
One end closed	SDAF 22617Y
Taconite seals	SDAF 22617T
Cast-steel	SDAFS 22617
Optional shaft size	SDAF 22617 x 3

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 149; for other seal speed limits see pages 343-344.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SDAF 22617	4 1/2	15 1/4	6	1 7/8	13 1/8	11 5/8	3 3/8	8 15/16	1 25/32	6 3/4	3/16	(4)-3/4	2 1/16	4 11/16
SDAF 22620	5 1/4	16 1/2	6 7/8	2 1/4	14 1/2	13 1/4	4 1/8	10 1/2	2 1/32	7 3/8	3/16	(4)-7/8	2 7/16	5 1/16
SDAF 22622	6	18 3/8	7 1/2	2 3/8	16	14 5/8	4 1/2	11 7/8	2 13/32	8	3/16	(4)-1	2 5/8	5 1/4
SDAF 22624	6 5/16	21 1/4	7 7/8	2 1/2	18 1/4	17	4 3/4	12 9/16	2 13/32	8 3/8	3/16	(4)-1 1/8	2 13/16	5 7/16
SDAF 22626	6 11/16	22	8 1/4	2 1/2	19 1/4	17 3/8	5	13 7/16	2 15/32	8 3/4	3/16	(4)-1 1/8	3	5 5/8
SDAF 22632	7 7/8	27 5/8	10	3	23 1/2	21 1/2	6 1/4	16	2 23/32	10 5/8	3/16	(4)-1 3/8	3 5/8	6 1/2
SDAF 22634	8 1/4	28 3/4	10 1/2	3 1/4	25	23	6 3/4	16 7/8	2 3/4	11 1/8	3/16	(4)-1 3/8	3 3/4	6 3/4
SDAF 22636	8 7/8	30 1/2	10 3/4	3 1/4	26 3/8	24 1/8	6 7/8	17 15/16	3 1/16	11 3/8	3/16	(4)-1 1/2	3 15/16	6 7/8
SDAF 22638	9 1/2	32	11 1/4	3 1/2	27 7/8	25 5/8	7 1/4	19	3 13/32	11 7/8	3/16	(4)-1 1/2	4 1/16	7 1/8

Consult SKF USA Inc. prior to design change or order placement.

Nomenclature / TY-RPA top angle take-up units



1. Prefix:

TY	Take-up housing (One end closed as standard)

2. Shaft size:

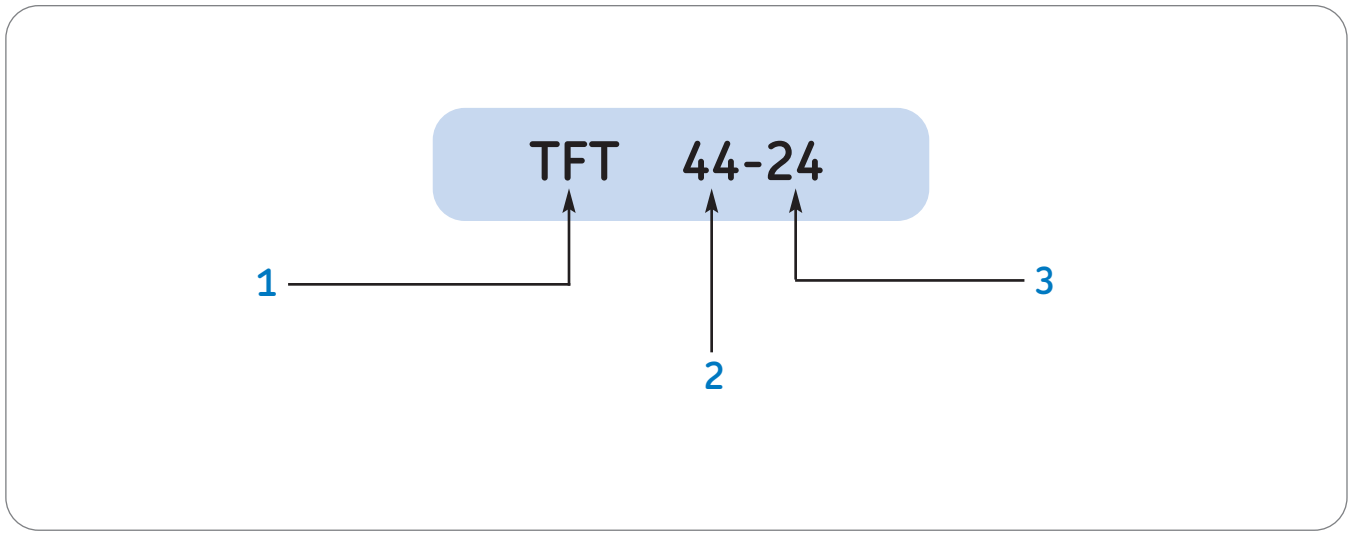
3	Inches
07	16ths of an inch (i.e. $3\frac{7}{16}$)

3. Style:

RPA	Top angle, protected screw take-up frame

4. Travel code:

Total travel length in inches



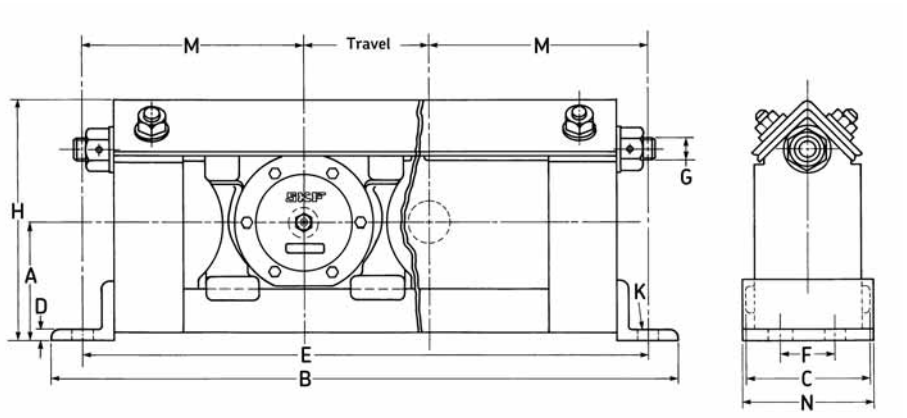
1. Prefix:	2. Frame size designation:	3. Travel code:
TFT Top mount take-up frame	Appropriate SAF housings and shaft sizes are indicated in dimension tables	Total travel length in inches

Split pillow blocks (inch series)

Take-up frames / top angle

TY-RPA
12" - 36" Adjustment
Protected screw
Steel
Self-aligning / 22200 K series bearing

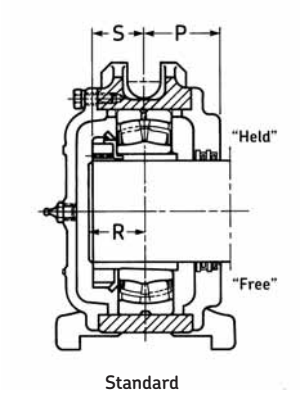
How to order	TY 107 RPA-12
Option	Specify
One end closed	TY 107 RPA-12
Both ends open	TY 107 RPA-12-26



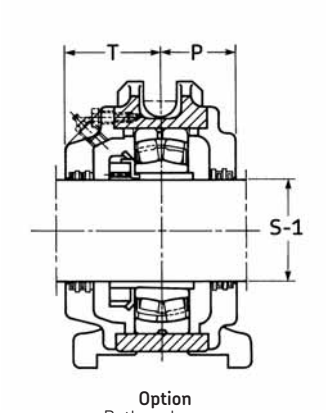
Held and free: Specify the appropriate stabilizing rings for a held unit; two required.
For shaft diameter tolerances see page 351; for bearing information see page 147.

Shaft dia.	Designations										Mass
	Take-up standard unit	Take-up unit both ends open	Bearing	Bearing basic load rating dynamic C	Bearing grease speed limit	Adapter assembly	Take-up housing standard unit One end closed	Take-up frame	Stab. ring (2 req'd)	Travel code	
S-1											
in				lbs	r/min					in	lbs
	TY 107 RPA-12	**TY 107R PA-12-26**					TY 107 R	PA 12-1		12	42
$1^{7}/_{16}$	**TY 107 RPA-18**	**TY 107R PA-18-26**	22209 CCK/W33	20 200	5 300	SNW 9	TY 107 R	PA 18-1	SR 9-9	18	48
	TY 107 RPA-24	**TY 107R PA-24-26**					TY 107 R	PA 24-1		24	54
	TY 115 RPA-12	**TY 115R PA-12-26**					TY 115 R	PA 12-2		12	51
$1^{15}/_{16}$	**TY 115 RPA-18**	**TY 115R PA-18-26**	22211 EK	30 100	4 500	SNW 11	TY 115 R	PA 18-2	SR 11-0	18	55
	TY 115 RPA-24	**TY 115R PA-24-26**					TY 115 R	PA 24-2		24	63
	TY 203 RPA-12	**TY 203R PA-12-26**					TY 203 R	PA 12-4		12	85
	TY 203 RPA-18	**TY 203R PA-18-26**					TY 203 R	PA 18-4		18	96
$2^{3}/_{16}$	**TY 203 RPA-24**	**TY 203R PA-24-26**	22213 EK	43 400	3 800	SNW 13	TY 203 R	PA 24-4	SR 13-0	24	110
	TY 203 RPA-30	**TY 203R PA-30-26**					TY 203 R	PA 30-4		30	120
	TY 203 RPA-36	**TY 203R PA-36-26**					TY 203 R	PA 36-4		36	130
	TY 207 RPA-12	**TY 207R PA-12-33**					TY 207 R	PA 12-4		12	92
	TY 207 RPA-18	**TY 207R PA-18-33**					TY 207 R	PA 18-4		18	105
$2^{7}/_{16}$	**TY 207 RPA-24**	**TY 207R PA-24-33**	22215 EK	47 700	3 400	SNW 15	TY 207 R	PA 24-4	SR 15-0	24	110
	TY 207 RPA-30	**TY 207R PA-30-33**					TY 207 R	PA 30-4		30	120
	TY 207 RPA-36	**TY 207R PA-36-33**					TY 207 R	PA 36-4		36	130
	TY 215 RPA-12	**TY 215R PA-12-33**					TY 215 R	PA 12-5		12	100
	TY 215 RPA-18	**TY 215R PA-18-33**					TY 215 R	PA 18-5		18	115
$2^{15}/_{16}$	**TY 215 RPA-24**	**TY 215R PA-24-33**	22217 CCK/W33	55 100	3 000	SNW 17	TY 215 R	PA 24-5	SR 17-14	24	130
	TY 215 RPA-30	**TY 215R PA-30-33**					TY 215 R	PA 30-5		30	140
	TY 215 RPA-36	**TY 215R PA-36-33**					TY 215 R	PA 36-5		36	155

Consult SKF USA Inc. prior to design change or order placement.



Standard
One end closed



Option
Both ends open

Take-up frames / top angle

TY-RPA
12" - 36" Adjustment
Protected screw, steel frame
Cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Grease lubrication
Piston ring seals

How to order	**TY 107 RPA-12**
Option	Specify
One end closed	TY 107 RPA-12
Both ends open	TY 107 RPA-12-26

Held and free: Specify the appropriate stabilizing rings for a held unit; two required.
For shaft diameter tolerances see page 351; for bearing information see page 147.

Designations Take-up standard unit One end closed	A	B	C	D	E	F	**Rod dia.** G	H	**Bolt dia.** K	M	N	P	R	S	T
	in														
TY 107 RPA-12		28 1/2			26 1/2										
TY 107 RPA-18	3 15/16	34 1/2	3 5/8	3/8	32 1/2	—	3/4	8 1/4	5/8	7 1/4	4 1/8	1 3/4	1 1/16	31/32	2 3/8
TY 107 RPA-24		40 1/2			38 1/2										
TY 115 RPA-12		29 1/2			27 1/2										
TY 115 RPA-18	4 3/16	35 1/2	3 5/8	3/8	33 1/2	—	3/4	8 5/8	5/8	7 3/4	4 1/8	1 15/16	1 3/16	1 1/16	2 9/16
TY 115 RPA-24		41 1/2			39 1/2										
TY 203 RPA-12		32 1/2			30 1/2										
TY 203 RPA-18		38 1/2			36 1/2										
TY 203 RPA-24	5 1/8	44 1/2	4 5/8	1/2	42 1/2	2	1	10 5/8	5/8	9 1/4	5 1/2	2 1/8	1 3/8	1 1/4	2 5/8
TY 203 RPA-30		50 1/2			48 1/2						5 1/8				
TY 203 RPA-36		56 1/2			54 1/2						5 1/8				
TY 207 RPA-12		32 1/2			30 1/2										
TY 207 RPA-18		38 1/2			36 1/2										
TY 207 RPA-24	5 1/8	44 1/2	4 5/8	1/2	42 1/2	2	1	10 5/8	5/8	9 1/4	5 1/2	2 1/8	1 7/16	1 9/32	2 5/8
TY 207 RPA-30		50 1/2			48 1/2						5 1/8				
TY 207 RPA-36		56 1/2			54 1/2						5 1/8				
TY 215 RPA-12		34 1/2			32										
TY 215 RPA-18		40 1/2			38										
TY 215 RPA-24	5 5/8	46 1/2	4 5/8	1/2	44	2	1 1/8	11 3/4	3/4	10	5 5/8	2 1/2	1 9/16	1 13/32	2 15/16
TY 215 RPA-30		52 1/2			50										
TY 215 RPA-36		58 1/2			56										

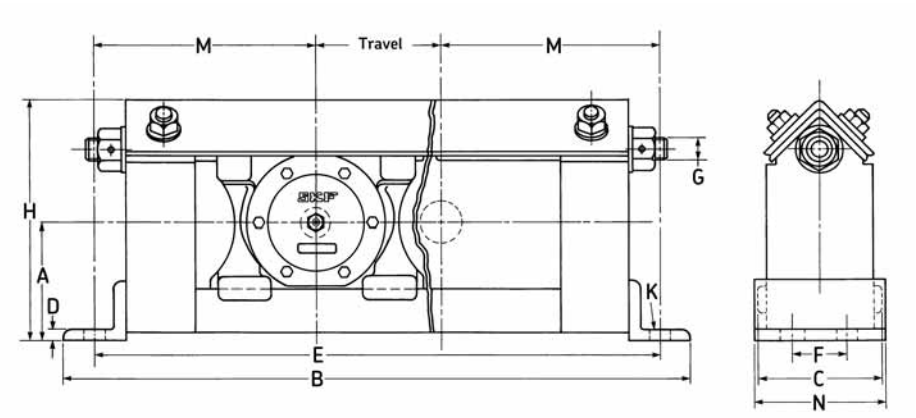
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Take-up frames / top angle

TY-RPA
12" - 36" Adjustment
Protected screw, steel frame
Cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Grease lubrication
Piston ring seals

How to order	TY 107 RPA-12
Option	Specify
One end closed	TY 107 RPA-12
Both ends open	TY 107 RPA-12-26

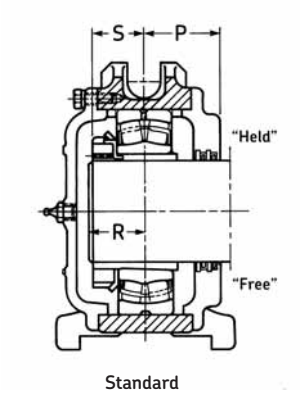


Held and free: Specify the appropriate stabilizing rings for a held unit; two required.
For shaft diameter tolerances see page 351; for bearing information see page 147.

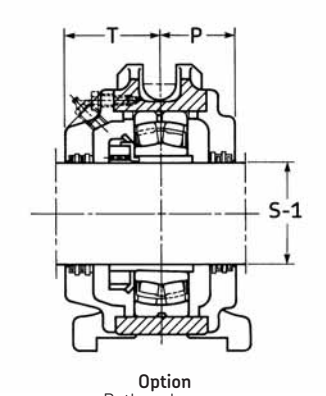
Shaft dia.	Designations										Mass
	Take-up standard unit	Take-up unit both ends open	Bearing	Bearing basic load rating dynamic C	Bearing grease speed limit	Adapter assembly	Take-up housing standard unit One end closed	Take-up frame	Stab. ring (2 req'd)	Travel code	
S-1											
in				lbs	r/min					in	lbs
$3^{7}/_{16}$	**TY 307 RPA-12**	**TY 307R PA-12-33**	22220 CCK/W33	81 000	2 200	SNW 20	TY 307 R	PA 12-6	SR 20-17	12	155
	TY 307 RPA-18	**TY 307R PA-18-33**					TY 307 R	PA 18-6		18	175
	TY 307 RPA-24	**TY 307R PA-24-33**					TY 307 R	PA 24-6		24	190
	TY 307 RPA-30	**TY 307R PA-30-33**					TY 307 R	PA 30-6		30	205
	TY 307 RPA-36	**TY 307R PA-36-33**					TY 307 R	PA 36-6		36	220
$3^{15}/_{16}$	**TY 315 RPA-12**	**TY 315R PA-12-39**	22222 CCK/W33	105 000	2 000	SNW 22	TY 315 R	PA 12-6	SR 22-19	12	155
	TY 315 RPA-18	**TY 315R PA-18-39**					TY 315 R	PA 18-6		18	170
	TY 315 RPA-24	**TY 315R PA-24-39**					TY 315 R	PA 24-6		24	190
	TY 315 RPA-30	**TY 315R PA-30-39**					TY 315 R	PA 30-6		30	205
$4^{7}/_{16}$	**TY 407 RPA-12**	**TY 407R PA-12-32**	22226 CCK/W33	142 000	1 800	SNW 26	TY 407 R	PA 12-7	SR 26-0	12	270
	TY 407 RPA-18	**TY 407R PA-18-32**					TY 407 R	PA 18-7		18	280
	TY 407 RPA-24	**TY 407R PA-24-32**					TY 407 R	PA 24-7		24	290
	TY 407 RPA-30	**TY 407R PA-30-32**					TY 407 R	PA 30-7		30	300
$4^{15}/_{16}$	**TY 415 RPA-12**	**TY 415 RPA-12-32**	22228 CCK/W33	160 000	1 700	SNW 28	TY 415 R	PA 12-8	35072-28	12	450
	TY 415 RPA-18	**TY 415 RPA-18-32**					TY 415 R	PA 18-8		18	470
	TY 415 RPA-24	**TY 415 RPA-24-32**					TY 415 R	PA 24-8		24	490
	TY 415 RPA-30	**TY 415 RPA-30-32**					TY 415 R	PA 30-8		30	510
$5^{7}/_{16}$	**TY 507 RPA-12**	**TY 507 RPA-12-29**	22232 CCK/W33	225 000	1 500	SNW 32	TY 507 R	PA 12-9	35072-32	12	615
	TY 507 RPA-18	**TY 507 RPA-18-29**					TY 507 R	PA 18-9		18	640
	TY 507 RPA-24	**TY 507 RPA-24-29**					TY 507 R	PA 24-9		24	670
	TY 507 RPA-30	**TY 507 RPA-30-29**					TY 507 R	PA 30-9		30	690
$5^{15}/_{16}$	**TY 515 RPA-12**	**TY 515 RPA-12-33**	22234 CCK/W33	252 000	1 300	SNW 34	TY 515 R	PA 12-10	35072-34	12	850
	TY 515 RPA-18	**TY 515 RPA-18-33**					TY 515 R	PA 18-10		18	890
	TY 515 RPA-24	**TY 515 RPA-24-33**					TY 515 R	PA 24-10		24	930
	TY 515 RPA-30	**TY 515 RPA-30-33**					TY 515 R	PA 30-10		30	970

Consult SKF USA Inc. prior to design change or order placement.

TY-RPA
12" - 36" Adjustment
Protected screw, steel frame
Cast-iron housing
Self-aligning / 22200 K series bearing
Held or free bearing
Grease lubrication
Piston ring seals



Standard
One end closed



Option
Both ends open

How to order	TY 107 RPA-12
Option	Specify
One end closed	TY 107 RPA-12
Both ends open	TY 107 RPA-12-26

Held and free: Specify the appropriate stabilizing rings for a held unit; two required.
For shaft diameter tolerances see page 351; for bearing information see page 147.

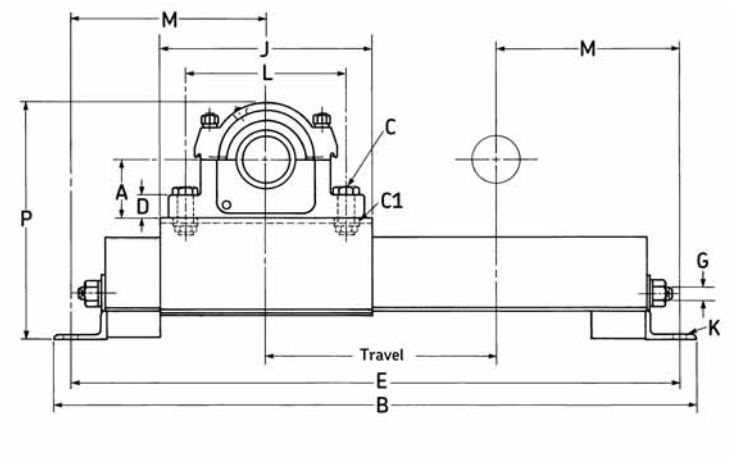
Designations Take-up standard unit One end closed	A	B	C	D	E	F	**Rod dia.** G	H	**Bolt dia.** K	M	N	P	R	S	T
	in														
TY 307 RPA-12		38 1/2			36										
TY 307 RPA-18		44 1/2			42										
TY 307 RPA-24	7	50 1/2	5 3/4	1/2	48	2 1/2	1 1/4	14 1/2	3/4	12	6 7/8	2 1/2	1 15/16	1 3/4	3 7/16
TY 307 RPA-30		56 1/2			54										
TY 307 RPA-36		62 1/2			60										
TY 315 RPA-12		38 1/2			36										
TY 315 RPA-18		44 1/2			42										
TY 315 RPA-24	7	50 1/2	5 3/4	1/2	48	2 1/2	1 1/4	14 1/2	3/4	12	6 7/8	2 7/8	2 1/8	1 31/32	3 13/16
TY 315 RPA-30		56 1/2			54										
TY 407 RPA-12		38 1/2			36										
TY 407 RPA-18		44 1/2			42										
TY 407 RPA-24	8	50 1/2	5 3/4	1/2	48	2 1/2	1 3/8	16 3/4	3/4	12	7	3 1/16	2 1/2	2 9/32	4 1/4
TY 407 RPA-30		56 1/2			54										
TY 415 RPA-12		48 1/2			44 1/2										
TY 415 RPA-18		54 1/2			50 1/2										
TY 415 RPA-24	8 1/2	60 1/2	6 7/8	5/8	56 1/2	3 3/8	1 3/4	19 1/8	1	16 1/4	7 1/8	3 5/8	2 5/8	2 13/32	4 1/8
TY 415 RPA-30		66 1/2			62 1/2										
TY 507 RPA-12		52 1/2			48 1/2										
TY 507 RPA-18		58 1/2			54 1/2										
TY 507 RPA-24	9 1/2	64 1/2	8 3/4	3/4	60 1/2	5 1/2	2	21 7/8	1 1/8	18 1/4	10 1/8	3 15/16	3	2 25/32	3 15/16
TY 507 RPA-30		70 1/2			66 1/2										
TY 515 RPA-12		57 1/2			54										
TY 515 RPA-18		63 1/2			60										
TY 515 RPA-24	10 1/2	69 1/2	9 1/8	5/8	66	6	2	23 3/16	1 1/4	21	10 1/8	4 3/16	3 1/8	2 15/16	4 13/16
TY 515 RPA-30		75 1/2			72										

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Take-up frames / top mount

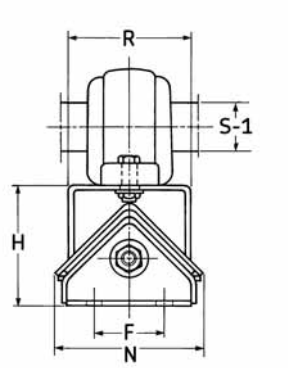
TFT (Pillow block not included)
12" - 48" Adjustment
Protected screw, steel frame
Used with SAF 22500 pillow block



How to order	**$1^{7}/_{16}$" shaft, 12" travel SAF 22509**
Option	Specify
Frame	TFT 01-12
Pillow block	SAF 22509

Shaft dia. S-1	Designations		Travel code	B	E	Mass
	Basic frame part	Pillow block				
in						lbs
$1^{7}/_{16}$	**TFT 01-XX**	SAF 22509	12	31	29	30
			18	37	35	35
$1^{11}/_{16}$		SAF 22510	24	43	41	40
			30	49	47	50
			36	55	53	56
$1^{15}/_{16}$	**TFT 02-XX**	SAF 22511				
$2^{3}/_{16}$	**TFT 03-XX**	SAF 22513	18	$41^{1}/_{4}$	$38^{3}/_{4}$	125
			24	$47^{1}/_{4}$	$44^{3}/_{4}$	130
$2^{7}/_{16}$		SAF 22515	30	$53^{1}/_{4}$	$50^{3}/_{4}$	135
			36	$59^{1}/_{4}$	$56^{3}/_{4}$	140
$2^{11}/_{16}$	**TFT 04-XX**	SAF 22516	18	$44^{1}/_{4}$	$41^{3}/_{4}$	180
			24	$50^{1}/_{4}$	$47^{1}/_{2}$	190
$2^{15}/_{16}$		SAF 22517	30	$56^{1}/_{4}$	$53^{1}/_{2}$	205
			36	$62^{1}/_{4}$	$59^{1}/_{2}$	215
			48	$74^{1}/_{4}$	$71^{1}/_{2}$	235
$3^{3}/_{16}$	**TFT 05-XX**	SAF 22518				
$3^{7}/_{16}$	**TFT 06-XX**	SAF 22520	18	46	$43^{1}/_{4}$	195
			24	52	$49^{1}/_{4}$	210
			30	58	$55^{1}/_{4}$	215
			36	64	$61^{1}/_{4}$	230
			48	76	$73^{1}/_{4}$	245

Consult SKF USA Inc. prior to design change or order placement.



TFT (Pillow Block not included)
12" - 48" Adjustment
Protected screw, steel frame
Used with SAF 22500 pillow block

How to order	**1 7/16" shaft, 12" travel SAF 22509**
Option	Specify
Frame	TFT 01-12
Pillow block	SAF 22509

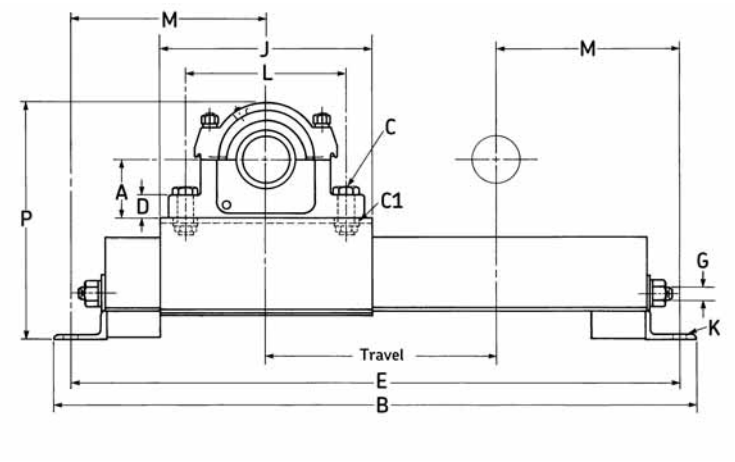
Designations Basic frame part		**Bolts** (No. req'd)		**Frame slot**	**Rod dia.**				**Bolt dia.**						
	A	C	D	C1	F	G	H	J	K	L Max	L Min	M	N	P	R
	in														
TFT 01-XX	2 1/4 2 1/2	(2)-1/2-13 x 2LG	13/16 15/16	9/16 x 2 1/4	2 1/2	1	5 1/4	11	5/8	7	4 11/16	8 1/2	5 7/8	9 5/8 10	4
TFT 02-XX	2 3/4	(2)-5/8-11 x 2 1/4LG		11/16 x 2 1/8						7 7/8	5 15/16			10 1/2	
TFT 03-XX	3 3 1/4	(2)-5 5/8-11 x 2 1/4LG	1 1 1/8	11/16 x 2 3/4	3	1	6 1/4	13 1/4	5/8	9 5/8	6 7/16	10 3/8	6 5/8	12 3/16 1 5/8	4 3/4
TFT 04-XX	3 1/2 3 3/4	(2)-3/4-10 x 2 1/2LG	1 3/16 1 1/4	15/16 x 3 3/4	3	1 1/4	7	14 1/2	3/4	11	7 13/16	11 3/4	8 1/2	13 7/8 14 5/16	5
TFT 05-XX	4	(2)-3/4-10 x 3LG	1 5/8	13/16 x 2 1/8						11 5/8	10 3/8			14 3/4	
TFT 06-XX	4 1/2	(2)-7/8-9 x 3 1/4LG	1 3/4	15/16 x 3 3/4	3	1 1/4	7	16	3/4	13 1/8	9 1/4	12 5/8	8 1/2	15 3/4	6

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Take-up frames / top mount

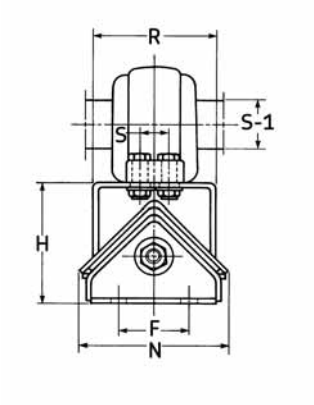
TFT (Pillow block not included)
12" - 48" Adjustment
Protected screw, steel frame
Used with SAF 22500 pillow block



How to order	**$2^{7}/_{16}$" shaft, 18" travel** **FSAF 22515**
Option	Specify
Frame	TFT 43-18
Pillow block	FSAF 22515

Shaft dia. S-1	Designations					Mass
	Basic frame part	Pillow block	Travel code	B	E	
in						lbs
$2^{7}/_{16}$	**TFT 43-XX**	FSAF 22515	18 24 30 36	$41^{1}/_{4}$ $47^{1}/_{4}$ $53^{1}/_{4}$ $59^{1}/_{4}$	$38^{3}/_{4}$ $44^{3}/_{4}$ $50^{3}/_{4}$ $56^{3}/_{4}$	125 130 135 140
$2^{11}/_{16}$	**TFT 34-XX**	FSAF 22516	18 24 30 36 48	$44^{1}/_{4}$ $50^{1}/_{4}$ $56^{1}/_{4}$ $62^{1}/_{4}$ $74^{1}/_{4}$	$41^{1}/_{2}$ $47^{1}/_{2}$ $53^{1}/_{2}$ $59^{1}/_{2}$ $71^{1}/_{2}$	180 190 205 215 235
$2^{15}/_{16}$	**TFT 44-XX**	FSAF 22517				
$3^{3}/_{16}$	**TFT 36-XX**	FSAF 22518	18 24 30 36 48	46 52 58 64 76	$43^{1}/_{4}$ $49^{1}/_{4}$ $55^{1}/_{4}$ $61^{1}/_{4}$ $73^{1}/_{4}$	195 210 215 230 245
$3^{7}/_{16}$	**TFT 46-XX**	FSAF 22520				
$3^{15}/_{16}$	**TFT 37-XX**	SAF 22522	18 24 30 36 48	50 56 62 68 80	$47^{1}/_{4}$ $53^{1}/_{4}$ $59^{1}/_{4}$ $65^{1}/_{4}$ $77^{1}/_{4}$	330 340 360 370 390
$4^{7}/_{16}$	**TFT 38-XX**	SAF 22526	18 24 30 36 48	$55^{1}/_{2}$ $61^{1}/_{2}$ $67^{1}/_{2}$ $73^{1}/_{2}$ $85^{1}/_{2}$	53 59 65 71 83	425 440 460 480 500
$4^{15}/_{16}$	**TFT 48-XX**	SAF 22528				

Consult SKF USA Inc. prior to design change or order placement.



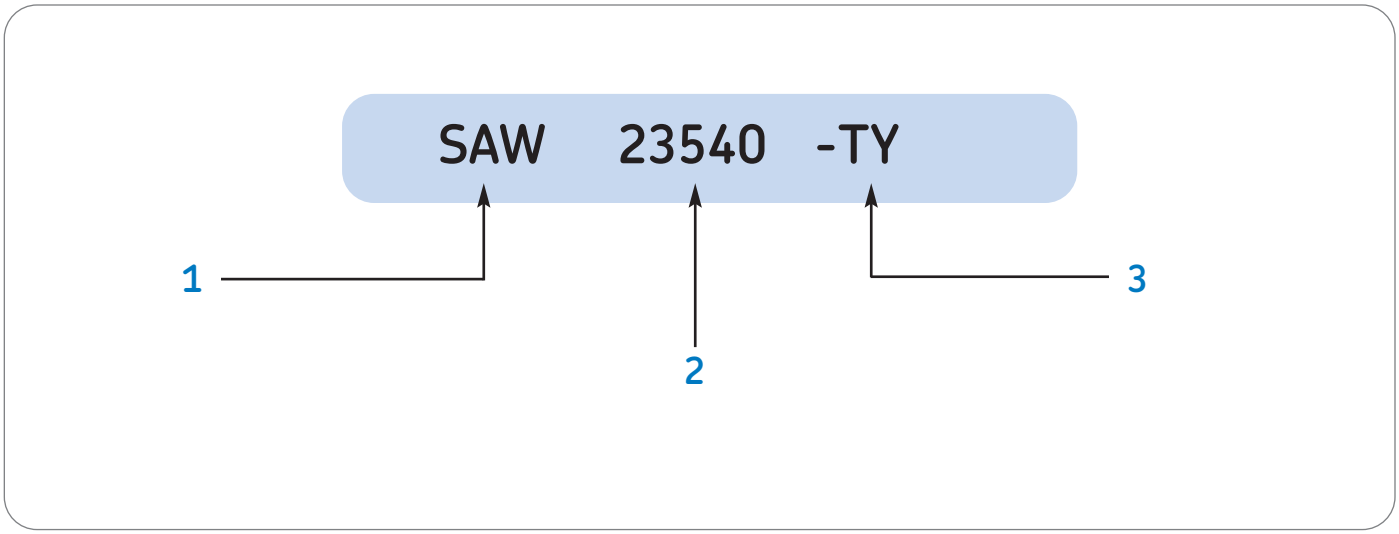
TFT (Pillow block not included)
12" - 48" Adjustment
Protected screw, steel frame
Used with SAF 22500 pillow block

How to order	**2 7/16" shaft, 18" travel FSAF 22515**
Option	Specify
Frame	TFT 43-18
Pillow block	FSAF 22515

Designations Basic frame part		**Bolts** (No. req'd)		**Frame hole**		**Rod dia.**			**Bolt dia.**						
	A	C	D	C1	F	G	H	J	K	L	M	N	P	R	S
	in														
TFT 43-XX	3 1/4	(4)-1/2-13 x 2 1/4LG	1 1/8	9/16	3	1	6 1/4	13 1/4	5/8	9 1/8	10 3/8	6 5/8	12 5/8	4 3/4	1 7/8
TFT 34-XX	3 1/2	(4)-5/8-11 x 2 1/2LG	1 3/16	11/16	3	1 1/4	7	14 1/4	3/4	10 5/16	11 3/4	8 1/2	13 7/8	5	2 1/8
TFT 44-XX	3 3/4	(4)-5/8-11 x 2 1/2LG	1 1/4							10 7/16			14 5/16		
TFT 36-XX	4	(4)-5/8-11 x 3LG	1 5/8	11/16	3	1 1/4	7	16	3/4	11	12 5/8	8 1/2	14 3/4	6	2 1/8
TFT 46-XX	4 1/2	(4)-3/4-10 x 3 1/4LG	1 3/4	13/16						12 3/8			15 3/4		2 3/8
TFT 37-XX	4 15/16	(4)-3/4-10 x 3 1/2LG	2	13/16	3	1 1/4	7	20	3/4	13 9/16	14 5/8	8 1/2	16 5/8	7 1/4	2 3/4
TFT 38-XX	6	(4)-7/8-9 x 3 3/4LG	2 3/8	15/16	4	1 1/2	7 3/4	23 1/2	7/8	15 5/16	17 1/2	10 1/8	19 1/4	8 1/2	3 1/4
TFT 48-XX		(4)-1-8 x 3 3/4LG		1 1/16						16 9/16			19 1/2		3 3/8

Consult SKF USA Inc. prior to design change or order placement.

Notes



1. Housing style:	
S	Standard pillow block
A	Inch dimensions
W	Wide bearing seat

2. Designation:	Basic bearing series	Mounting method
232(00)	232(00) CC/W33	Cylindrical
235(00)	235(00) CCK/W33	Adapter

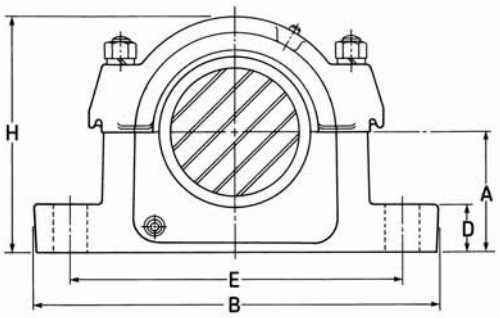
3. Suffix:	
T	Taconite contact seal
TV	Taconite V-ring seal
TA or TVA	Taconite seal with button head grease fitting
TB or TVB	Taconite seal with giant button head grease fitting
Y	One end closed (i.e.,supplied with end plug)
TLC	PosiTrac Plus seals

Split pillow blocks (inch series)

Spherical roller / cylindrical mount

SAW 23200
Two-piece cast-iron housing
Self-aligning / 23200 series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals
Custom manufactured

How to order	SAW 23220
Option	Specify
One end closed	SAW 23220 Y
Taconite seals	SAW 23220 T
PosiTrac Plus seals	SAW 23220-TLC



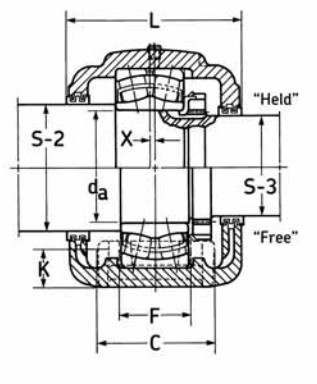
Housing style "N"

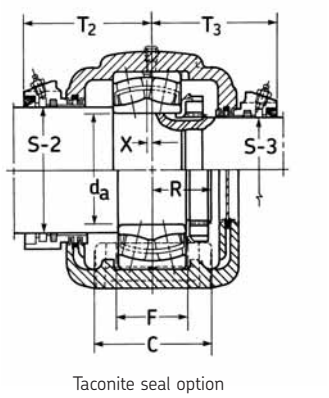
For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see pages 339-342.

Shaft dia.			Designations													Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Lock-nut	Lock-washer	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	End plug	Taconite seal S-2	S-3	
in					lbs	r/min										lbs
100	4 1/2	3 13/16	**SAW 23220**	23220 CC/W33	107 000	1 700	AN 20	W 20	SAW 220	SR 20-17	LOR 118	LOR 106	EPR 12	TER 118	TER 106	80
130	5 7/8	4 15/16	**SAW 23226**	23226 CC/W33	175 000	1 300	AN 26	W 26	SAW 226	SR 26-0	LOR 136	LOR 122	EPR 27	TER 136	TER 122	155
140	6 1/4	5 5/16	**SAW 23228**	23228 CC/W33	206 000	1 200	AN 28	W 28	SAW 228	SR 28-0	LOR 144	LOR 127	EPR 16	TER 144	TER 127	180
190	8 3/8	7 1/4	**SAW 23238**	23238 CC/W33	329 000	850	AN 38	W 38	SAW 238	SR 38-32	LOR 171	LOR 160	EPR 21	TER 171	TER 160	430
200	8 3/4	7 5/8	**SAW 23240**	23240 CC/W33	418 000	850	AN 40	W 40	SAW 240	SR 40-34	LOR 175	LOR 164	EPR 22	TER 175	TER 164	515
220	9 9/16	8 5/16	**SAW 23244**	23244 CC/W33	531 000	750	N 44	W 44	SAW 244	SR 44-38	LOR 179	LOR 170	EPR 24	TER 179	TER 170	710

NOTE: All housings are made to order, as an alternative, consider SAFD housings.
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / cylindrical mount

SAW 23200
Two-piece cast-iron housing
Self-aligning / 23200 series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals
Custom manufactured

How to order	**SAW 23220**
Option	Specify
One end closed	SAW 23220 Y
Taconite seals	SAW 23220 T
PosiTrac Plus seals	SAW 23220-TLC

Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T_2	T_3
	in														
SAW 23220	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	—	6 3/16	3/16	(4)-3/4	2 1/16	—	—
SAW 23226	6	18 3/8	5 1/8	2 3/8	16	14 5/8	3 1/4	11 5/16	2 3/8	8 1/2	3/16	(4)-7/8	2 3/4	5 1/2	5 1/2
SAW 23228	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/16	9 1/8	3/16	(4)-1	2 31/32	5 3/4	5 3/4
SAW 23236	7 1/2	26 3/4	7 1/8	3	23 5/8	20 7/8	4 5/8	14 7/8	2 7/16	10 3/8	3/16	(4)-1	3 21/32	6 1/2	6 1/2
SAW 23238	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 1/2	10 7/8	3/16	(4)-1 1/4	3 27/32	7 1/2	7
SAW 23240	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 9/16	11 3/8	3/16	(4)-1 1/4	4 1/16	7 11/16	7 1/16
SAW 23244	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 3/16	12 1/8	3/16	(4)-1 1/2	4 15/32	8	8 1/16

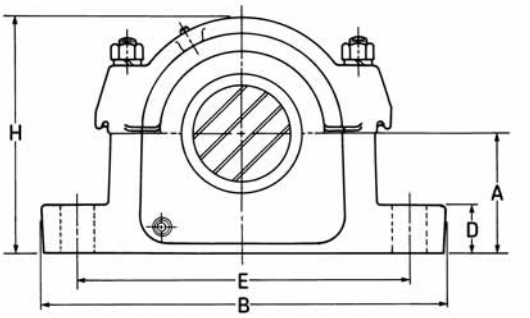
Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Spherical roller / adapter mount

SAW 23500
Two-piece cast-iron housing
Self-aligning / 23200 K series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals
Custom manufactured

How to order	SAW 23520
Option	Specify
One end closed	SAW 23520 Y
Taconite seals	SAW 23520 T
PosiTrac Plus seals	SAW 23520TLC



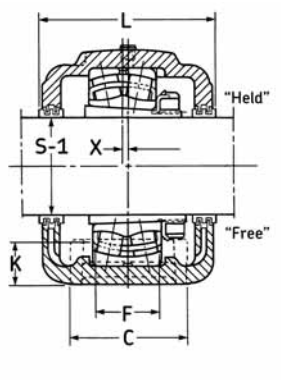
Housing style "N"

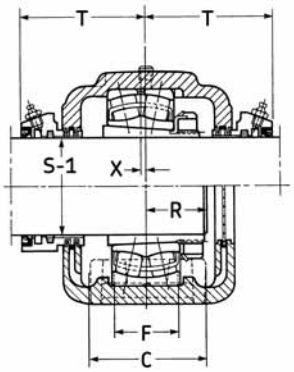
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see pages 339-342.

Shaft					Designations						Mass
dia. S-1	Complete pillow block	Bearing	Bearing basic load rating dynamic C	LOR grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (1 req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in			lbs	r/min							lbs
$3^{7}/_{16}$	**SAW 23520**	23220 CCK/W33	107 000	1 700	SNW 120	SAW 520	SR 20-17	LOR 102	EPR 12	TER 102	—
$4^{7}/_{16}$	**SAW 23526**	23226 CCK/W33	175 000	1 300	SNW 126	SAW 526	SR 26-0	LOR 117	EPR 15	TER 117	155
$4^{15}/_{16}$	**SAW 23528**	23228 CCK/W33	206 000	1 200	SNW 128	SAW 528	SR 28-0	LOR 122	EPR 27	TER 122	180
$6^{15}/_{16}$	**SAW 23538**	23238 CCK/W33	329 000	850	SNW 138	SAW 538	SR 38-32	LOR 155	EPR 21	TER 155	430
$7^{3}/_{16}$	**SAW 23540**	23240 CCK/W33	418 000	850	SNW 140	SAW 540	SR 40-34	LOR 159	EPR 21	TER 159	515
$7^{15}/_{16}$	**SAW 23544**	23244 CCK/W33	531 000	750	SNW 144	SAW 544	SR 44-38	LOR 167	EPR 23	TER 167	710

Note: All housings are made to order; as an alternative consider SAFD housings.

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Spherical roller / adapter mount

SAW 23500
Two-piece cast-iron housing
Self-aligning / 23200 K series bearing
Held or free bearing
Oil or grease lubrication
LOR triple ring seals
Custom manufactured

How to order	**SAW 23520**
Option	Specify
One end closed	SAW 23520 Y
Taconite seals	SAW 23520 T
PosiTrac Plus seals	SAW 23520TLC

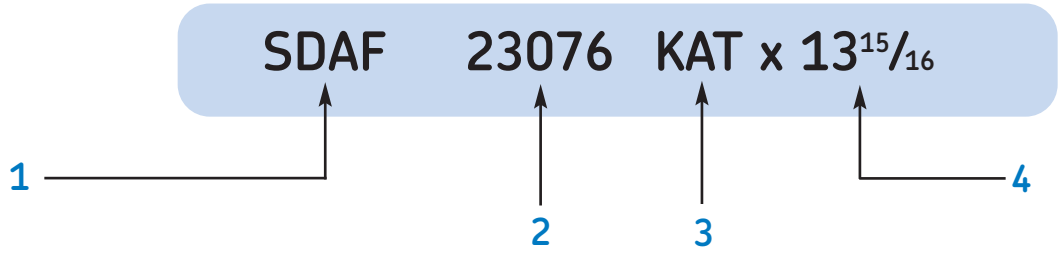
Held and free: Standard and standard option blocks come with an enclosed stabilizing ring. For a free unit, discard the enclosed stabilizing ring.
For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see pages 339-342.

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in													
SAW 23520	4 1/2	15 1/4	4 3/8	1 3/4	13 1/8	11 5/8	2 3/8	8 3/4	—	6 13/16	3/16	(4)-1/2	2 1/16	—
SAW 23526	6	18 3/8	5 1/8	2 3/8	16	14 5/8	3 1/4	11 5/16	2 3/8	8 1/2	3/16	(4)-7/8	2 3/4	5 1/2
SAW 23528	6	20 1/8	5 7/8	2 3/8	17 1/8	16	3 3/8	11 3/4	2 1/16	9 1/8	3/16	(4)-1	2 31/32	5 23/32
SAW 23538	7 7/8	28	7 1/2	3 1/8	24 3/8	21 5/8	4 1/2	15 11/16	2 1/2	10 7/8	3/16	(4)-1 1/4	3 27/32	6 23/32
SAW 23540	8 1/4	29 1/2	8	3 3/8	25	22 1/2	5	16 1/2	2 9/16	11 3/8	3/16	(4)-1 1/4	4 1/16	7 1/8
SAW 23544	9 1/2	32 3/4	8 3/4	3 3/4	27 7/8	24 3/4	5 1/4	18 5/8	3 3/16	12 1/8	3/16	(4)-1 1/2	4 15/32	7 11/32

Consult SKF USA Inc. prior to design change or order placement.

Nomenclature / SDAF extended range

Standards



1. Housing style:

S	Standard pillow block
D	Heavy duty series
A	Inch dimensions
F	Triple ring seal

2. Designation:

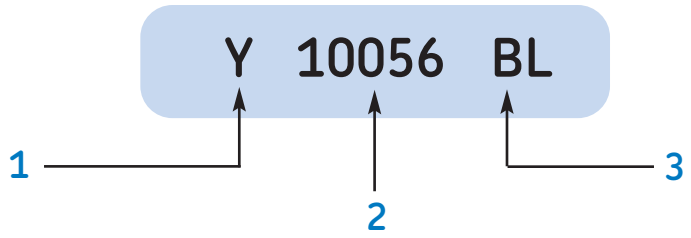
Complete assembly (cast-iron)	Housing only	Basic bearing series	Mounting method
230(00)	30(00)	230(00) CC/W33	Cylindrical
231(00)	31(00)	231(00) CC/W33	Cylindrical
232(00)	32(00)	232(00) CC/W33	Cylindrical
230(00)KA	30(00)KA	230(00) CCK/W33	Adapter
231(00)KA	31(00)KA	231(00) CCK/W33	Adapter
232(00)KA	32(00)KA	232(00) CCK/W33	Adapter

3. Suffix:

T	Taconite contact seal
—	Standard triple ring seal

4. Shaft size:

Adapter mounted



1. Prefix:

Y or Z	Drawing size
HC	Housing only

2. Designation:

Sequential drawing number

3. Suffix:

Old		New
A	"Free" (both ends open)	**BL**
B	"Held" (both ends open)	**BF**
C	"Free" (one end closed)	**AL**
D	"Held" (one end closed)	**AF**

Introduction

SKF is the leading supplier of split pillow blocks in the US and has established many of the designs that are regarded as the industry standards today. This position is due, in part, to the fact that SKF is a full range supplier of split pillow block housings and the associated bearings and mounting accessories for shafts ranging from $1^{7}/_{16}$" to over 20" in diameter. The largest size split pillow blocks, for 9" to 20" shafts, are referred to as the extended range series and are supplied as made-to-order, customized solutions for the largest and most demanding split pillow block applications.

The extended range series of pillow blocks are a rugged housing style of exceptionally sturdy 4-bolt construction. The standard material is class 40 gray iron but when extra high strength or impact resistance is necessary, housings can be supplied in high strength ductile irons or cast steel as specified below. Extended range housings are machined according to the requirements of the individual application and are, therefore, highly customized bearing solutions. These customized housings are each given their own specific part number and drawing so that there is a permanent record for each housing.

When no special features are required, housings are designated according to the part numbers in the following tables. However, since extended range housings are not stocked in a final machined state, it is recommended that each application for extended range housings be reviewed with SKF Applications Engineering to determine what features may be needed since many special features can often be accommodated with little or no additional cost.

Mounting

Because of their size, extended range housings often require special considerations when mounting and dismounting. For bearings mounted directly on the shaft, it is recommended that hydraulic assist features be included in the shaft design. These will aid in mounting and dismounting the bearing. For bearings mounted on adapter sleeves, sleeves can be supplied modified with hydraulic assist features which, once again, aid in both mounting and dismounting. SKF Applications Engineering can provide the appropriate recommendations and drawings for hydraulic assist as well as instructions for extended range housing assembly.

Housing material

- Standard material is ASTM A48B class 40 gray iron
- Alternate high strength or impact resistant material available
  Ductile-Iron: ASTM A339 Grade 60-45-10
  Ductile-Iron: ASTM A536 Grade 80-60-03
  Cast-Steel: ASTM A27 Grade U-60-30

Lubrication

- Housing design will provide effective bearing lubrication with choice of conventional greasing methods, static oil or pressurized circulating oil system
- Readily adaptable for use with custom lubrication systems and auxiliary monitoring devices

Sealing options

- Triple ring seals of steel material for high wear resistance and strength in severe environments
- Special labyrinth ring seals with O-ring bore inserts for enhanced lubricant retention in oil applications
- Two-piece, bolt-on Taconite seal or TER cartridge type Taconite seals
- One end closed enclosures to provide superior sealing ability with ease of assembly and maintenance

Custom considerations

Because of the highly specialized nature of the extended range applications, SKF Mounted Products Design and Applications Engineering work together to specify and design each pillow block. This flexible approach to supplying extended range pillow blocks provides the user with a host of optional features that tailor to the specific application. These features can include, but are not limited to: drilled base bolt holes, milled foot pads, special machinings for lubrication and condition monitoring systems, special bore tolerances, machined foot ends, special seals, machinings for user supplied auxiliary seals, hydraulic assisted adapter sleeves, etc. The extended range series pillow blocks are individually engineered to provide a safe, reliable, cost effective bearing solution for the application. Consult SKF Applications Engineering for your particular needs.

Availability

SKF extended range housings are made-to-order to accommodate any special features that may be required. So that orders can be filled quickly, SKF stocks unmachined castings for the most popular sizes, and can turn around most finished products with reduced lead times.

Consult SKF USA Inc. prior to design change or order placement.

Application: (Please note type of equipment where pillow blocks are to be used.)

_____

_____

Purpose: (Is this installation part of a new design or a replacement? If the latter, please indicate what unit is presently used.)

_____

_____

Why is the present unit being replaced? (Please explain.)

Present unit is defective:_____

Equipment is being modified or upgraded: _____

What type of load is the pillow block intended to carry?

☐ Radial ☐ Steady ☐ Mild shock ☐ Axial ☐ Alternating ☐ Heavy shock

Direction_____Speed_____rpm Temperature_____° F Required Life_____hours (L_{10})

Type of lubrication available: ☐ Grease ☐ Oil ☐ Oil Mist ☐ Static ☐ Circulating

Conditions under which pillow block will be used: ☐ Wet ☐ Dry ☐ Exposed ☐ Covered

Type of drive mechanism to be used:_____

Shaft diameter range (specify): _____

Will unit use a cylindrical or adapter mounted (tapered) bore? _____

What special requirements will be needed?

Center height:_____

Bolt configuration and spacing: _____

Sealing material:_____

Other:_____

Name:_____ Title:_____

Company:_____

Address:_____

City:_____ State:_____ Zip:_____ Phone: (____)_____

Email:_____ Cell Phone: (____)_____

Send this form plus any design details or drawings information you wish to include to your local SKF sales representative.

Consult SKF USA Inc. prior to design change or order placement.

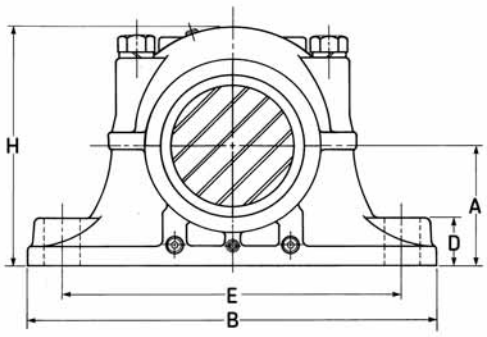
Split pillow blocks (inch series)

Extended range / cylindrical mount

SDAF 23000
Two-piece heavy duty cast-iron housing
Self-aligning / 23000 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

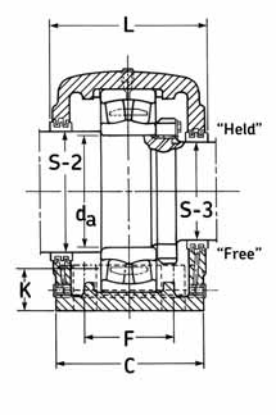


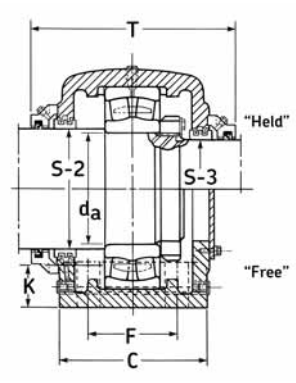
For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see page 345.

Shaft dia.			Designations										Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Lock-nut	Lock-plate	Pillow block housing	Stab. ring (No. req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	
mm	in				lbs	r/min							lbs
300	13	11 1/2	**SDAF 23060**	23060 CA/W33	413 000	800	N 060	PL 60	SDAF 3060	(1)-A 8967	ERF 824	ERF 832	1 200
320	13 3/4	12 1/4	**SDAF 23064**	23064 CA/W33	441 000	800	N 064	PL 64	SDAF 3064	(1)-A 8968	ERF 943	ERF 804	1 300
340	15	13	**SDAF 23068**	23068 CA/W33	528 000	700	N 068	PL 68	SDAF 3068	(1)-A 8969	ERF 806	ERF 824	1 550
360	15 3/4	13 3/4	**SDAF 23072**	23072 CA/W33	537 000	670	N 072	PL 72	SDAF 3072	(1)-A 8970	ERF 969	ERF 874	1 650
380	16 3/4	14 1/2	**SDAF 23076**	23076 CA/W33	557 000	630	N 076	PL 76	SDAF 3076	(1)-A 8971	ERF 822	ERF 950	1 700
400	17 1/2	15 3/8	**SDAF 23080**	23080 CA/W33	647 000	600	N 080	PL 80	SDAF 3080	(1)-36053-153	ERF 999	ERF 942	2 300
420	18	16	**SDAF 23084**	23084 CA/W33	672 000	450	N 084	PL 84	SDAF 3084	(1)-36053-143	ERF 812	ERF 809	2 300
440	19 1/2	17	**SDAF 23088**	23088 CA/W33	724 000	430	N 088	PL 88	SDAF 3088	(2)-36053-150	ERF 926	ERF 838	2 550
460	20	17 3/4	**SDAF 23092**	23092 CA/W33	776 000	400	N 092	PL 92	SDAF 3092	(2)-36053-152	ERF 808	ERF 906	2 850
480	21	18 1/2	**SDAF 23096**	23096 CA/W33	751 000	380	N 096	PL 96	SDAF 3096	(2)-36053-200	ERF 933	ERF 978	4 250
500	21	19	**SDAF 230/500**	230/500 CA/W33	827 000	380	N 500	PL 500	SDAF 30/500	(2)-36053-165	ERF 933	ERF 922	4 350
530	22 1/2	20 3/8	**SDAF 230/530**	230/530 CA/W33	982 000	340	N 530	PL 530	SDAF 30/530	(2)-36053-166	ERF 997	ERF 998	5 200

Note: All SDAF series are custom manufactured
Consult SKF USA Inc. prior to design change or order placement.

SDAF 23000
Two-piece heavy duty cast-iron housing
Self-aligning / 23000 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured





Taconite seal option

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see page 345.

Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in														
SDAF 23060	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4 3/8	15 1/2	3/16	(4)-1 5/8	4 11/32	18 3/8
SDAF 23064	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4	15 1/2	3/16	(4)-1 5/8	4 1/2	19 3/8
SDAF 23068	12	39	15 1/4	4 3/16	33 1/2	32	32 3/4	10	24	3 3/8	15 3/4	3/16	(4)-1 7/8	4 7/8	19 5/8
SDAF 23072	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	3 23/32	16 3/4	3/16	(4)-1 7/8	4 7/8	20
SDAF 23076	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	3 3/8	16 3/4	3/16	(4)-1 7/8	5 1/8	20
SDAF 23080	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 7/16	17 5/8	3/16	(4)-2	5 17/32	22 3/4
SDAF 23084	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	29	4 1/16	17 5/8	3/16	(4)-2	5 9/16	22 3/4
SDAF 23088	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 1/2	19 1/4	0	(4)-2 1/4	5 3/4	24
SDAF 23092	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4	19 1/4	0	(4)-2 1/4	5 7/8	24
SDAF 23096	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 1/8	21 3/4	0	(4)-2 1/4	5 29/32	26 1/2
SDAF 230/500	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	4 3/4	21 3/4	0	(4)-2 1/4	6 1/2	26 1/2
SDAF 230/530	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	4 13/16	22 1/4	0	(4)-2 1/2	6 27/32	27

Consult SKF USA Inc. prior to design change or order placement.

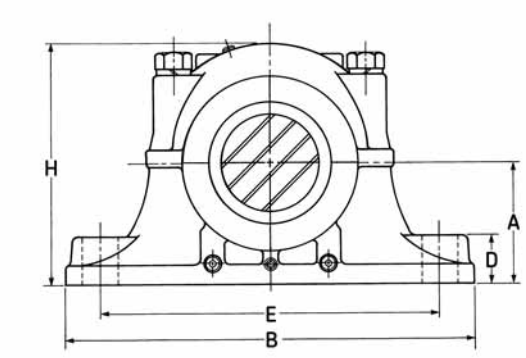
Split pillow blocks (inch series)

Extended range / adapter mount

SDAF 23000 KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23000 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.



For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see page 345.

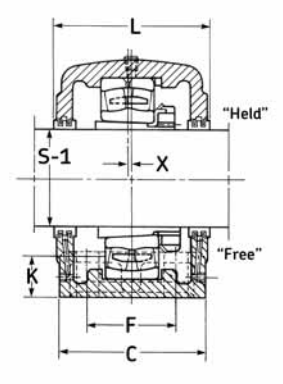
Shaft dia.		Designations										Mass
S-1 Standard	Optional [1]	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (No. req'd)	Triple ring seal (2 req'd)	End plug	Taconite seal	
in				lbs	r/min							lbs
$10^{15}/_{16}$	11	**SDAF 23060 KA x $10^{15}/_{16}$**	23060 CACK/W33	413 000	800	SNP 3060 x $10^{15}/_{16}$	SDAF 3060 KA x $10^{15}/_{16}$	(1)-A 8967	ERF 858	X-5217-9	TER 858	1 200
$11^{7}/_{16}$	$11^{1}/_{2}$	**SDAF 23064 KA x $11^{7}/_{16}$**	23064 CCK/W33	441 000	800	SNP 3064 x $11^{7}/_{16}$	SDAF 3064 KA x $11^{7}/_{16}$	(1)-A 8968	ERF 861	X-5217-16	TER 861	1 300
$11^{15}/_{16}$	12	**SDAF 23064 KA x $11^{15}/_{16}$**	23064 CCK/W33	441 000	800	SNP 3064 x $11^{15}/_{16}$	SDAF 3064 KA x $11^{15}/_{16}$	(1)-A 8968	ERF 859	X-5217-3	TER 859	1 250
$12^{7}/_{16}$	$12^{1}/_{2}$	**SDAF 23068 KA x $12^{7}/_{16}$**	23068 CACK/W33	528 000	700	SNP 3068 x $12^{7}/_{16}$	SDAF 3068 KA x $12^{7}/_{16}$	(1)-A 8969	ERF 865	X-5217-29	TER 865	1 550
$12^{15}/_{16}$	13	**SDAF 23072 KA x $12^{15}/_{16}$**	23072 CACK/W33	537 000	670	SNP 3072 x $12^{15}/_{16}$	SDAF 3072 KA x $12^{15}/_{16}$	(1)-A 8970	ERF 869	X-5217-28	TER 869	1 650
$13^{7}/_{16}$	$13^{1}/_{2}$	**SDAF 23072 KA x $13^{7}/_{16}$**	23072 CACK/W33	537 000	670	SNP 3072 x $13^{7}/_{16}$	SDAF 3072 KA x $13^{7}/_{16}$	(1)-A 8970	ERF 872	X-5217-27	TER 872	1 600
$13^{15}/_{16}$	14	**SDAF 23076 KA x $13^{15}/_{16}$**	23076 CAK/W33	557 000	630	SNP 3076 x $13^{15}/_{16}$	SDAF 3076 KA x $13^{15}/_{16}$	(1)-A 8971	ERF 875	X-5217-12	TER 875	1 700
15	$14^{15}/_{16}$	**SDAF 23080 KA x 15**	23080 CACK/W33	647 000	600	SNP 3080 x 15	SDAF 3080 KA x 15	(1)-36053-153	ERF 847	X-5217-21	TER 847	2 300
$15^{3}/_{4}$	*	**SDAF 23084 KA x $15^{3}/_{4}$**	23084 CAK/W33	671 000	450	SNP 3084 x $15^{3}/_{4}$	SDAF 3084 KA x $15^{3}/_{4}$	(1)-36053-143	ERF 969	X-5217-23	TER 969	2 300
$16^{1}/_{2}$	*	**SDAF 23088 KA x $16^{1}/_{2}$**	23088 CAK/W33	724 000	430	SNP 3088 x $16^{1}/_{2}$	SDAF 3088 KA x $16^{1}/_{2}$	(2)-36053-150	ERF 958	**	**	2 550
17	*	**SDAF 23092 KA x 17**	23092 CAK/W33	776 000	400	SNP 3092 x 17	SDAF 3092 KA x 17	(2)-36053-152	ERF 838	**	**	2 850
18	*	**SDAF 23096 KA x 18**	23096 CAK/W33	751 000	380	SNP 3096 x 18	SDAF 3096 KA x 18	(2)-36053-200	ERF 888	**	**	4 250
$18^{1}/_{2}$	*	**SDAF 230/500 KA x $18^{1}/_{2}$**	230/500 CAK/W33	827 000	380	SNP 30/500 x $18^{1}/_{2}$	SDAF 30/500 KA x $18^{1}/_{2}$	(2)-36053-165	ERF 978	**	**	4 350
$19^{1}/_{2}$	*	**SDAF 230/530 KA x $19^{1}/_{2}$**	230/530 CAK/W33	982 000	340	SNP 30/530 x $19^{1}/_{2}$	SDAF 30/530 KA x $19^{1}/_{2}$	(2)-36053-166	ERF 926	**	**	5 200

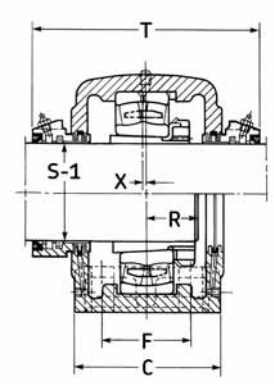
*SKF will evaluate optional shaft diameters upon request.
**In these sizes, housing and seals are a matched pair and cannot be ordered separately.
1) Requires different adapter sleeve and seals.
Optional internal radial clearances (e.g. C3) are available upon request.

Note: All SDAF series are custom manufactured

Consult SKF USA Inc. prior to design change or order placement.

SDAF 23000KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23000 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured





Taconite seal option

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 150; for other seal speed limits see page 345.

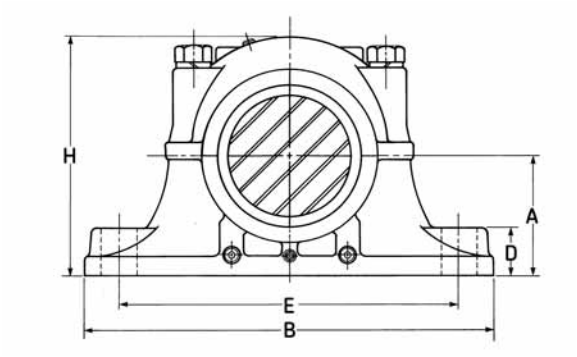
Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	X	**Bolts** (No. req'd)	R	T
	in														
SDAF 23060 KA x 10 15/16	12	38 1/4	14 3/4	3 3/8	33 1/2	32 3/4	33 1/8	9	23 7/16	4 3/8	15 1/2	3/16	(4)-1 5/8	4 11/32	18 3/8
SDAF 23064 KA x 11 7/16	12	38 1/4	14 3/4	3 3/8	33 1/2	32 3/4	33 1/8	9	23 7/16	4	15 1/2	3/16	(4)-1 5/8	4 1/2	19 3/8
SDAF 23064 KA x 11 15/16	12	38 1/4	14 3/4	3 3/8	33 1/2	32 3/4	33 1/8	9	23 7/16	4	15 1/2	3/16	(4)-1 5/8	4 1/2	19 3/8
SDAF 23068 KA x 12 7/16	11 13/16	39	15 1/4	4 3/16	33 1/2	32	32 3/4	10	24	3 3/8	15 3/4	3/16	(4)-1 7/8	4 7/8	19 5/8
SDAF 23072 KA x 12 15/16	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	3 23/32	16 3/4	3/16	(4)-1 7/8	4 7/8	20
SDAF 23072 KA x 13 7/16	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	3 23/32	16 3/4	3/16	(4)-1 7/8	4 7/8	20
SDAF 23076 KA x 13 15/16	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	3 3/8	16 3/4	3/16	(4)-1 7/8	5 1/8	20
SDAF 23080 KA x 15	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	29	4 7/16	17 5/8	3/16	(4)-2	5 17/32	22 3/4
SDAF 23084 KA x 15 3/4	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	29	4 1/16	17 5/8	3/16	(4)-2	5 9/16	22 3/4
SDAF 23088 KA x 16 1/2	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 1/2	19 1/4	3/16	(4)-2 1/4	5 3/4	24
SDAF 23092 KA x 17	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4	19 1/4	3/16	(4)-2 1/4	5 7/8	24
SDAF 23096 KA x 18	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 1/8	21 3/4	3/16	(4)-2 1/4	5 29/32	26 1/2
SDAF 230/500 KA x 18 1/2	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	4 3/4	21 3/4	3/16	(4)-2 1/4	6 1/2	26 1/2
SDAF 230/530 KA x 19 1/2	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	4 13/16	22 1/4	3/16	(4)-2 1/2	6 27/32	27

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Extended range / cylindrical mount

SDAF 23100
Two-piece heavy duty cast-iron housing
Self-aligning / 23100 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured



How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

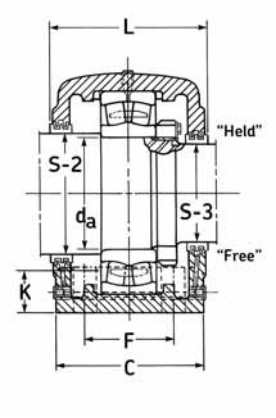
For shaft diameter tolerances see page 351; for bearing information see page 152; for other seal speed limits see page 345.

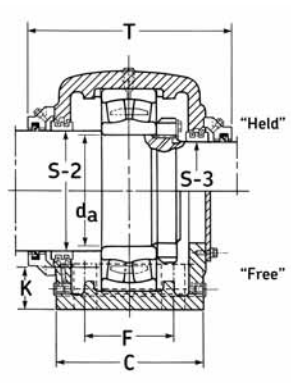
Shaft dia.			Designations										Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Lock-nut	Lock-plate	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	
mm	in				lbs	r/min							lbs
260	11 1/2	9 15/16	**SDAF 23152**	23152 CA/W33	499 000	800	N 052	PL 52	SDAF 3152	36053-114	ERF 832	ERF 845	1 050
280	12 1/2	10 3/4	**SDAF 23156**	23156 CA/W33	517 000	750	N 056	PL 56	SDAF 3156	A 8967	ERF 866	ERF 826	1 250
300	13	11 1/2	**SDAF 23160**	23160 CA/W33	634 000	670	N 060	PL 60	SDAF 3160	36053-157	ERF 846	ERF 856	1 350
320	14	12 1/4	**SDAF 23164**	23164 CA/W33	737 000	630	N 064	PL 64	SDAF 3164	A 8970	ERF 876	ERF 983	1 850
340	15	13	**SDAF 23168**	23168 CA/W33	827 000	600	N 068	PL 68	SDAF 3168	36053-137	ERF 847	ERF 846	2 450
360	16	13 3/4	**SDAF 23172**	23172 CA/W33	842 000	560	N 072	PL 72	SDAF 3172	36053-167	ERF 809	ERF 874	2 500
380	17	14 1/2	**SDAF 23176**	23176 CA/W33	841 000	400	N 076	PL 76	SDAF 3176	36053-143	ERF 811	ERF 950	2 500
400	17 1/2	15 1/4	**SDAF 23180**	23180 CA/W33	917 000	380	N 080	PL 80	SDAF 3180	36053-150	ERF 967	ERF 895	2 800
420	18 1/2	15 3/4	**SDAF 23184**	23184 CA/W33	1 100 000	360	N 084	PL 84	SDAF 3184	36053-160	ERF 978	ERF 907	4 300
440	19 1/2	17	**SDAF 23188**	23188 CA/W33	1 170 000	340	N 088	PL 88	SDAF 3188	36053-165	ERF 926	ERF 838	4 300
460	20	17 3/4	**SDAF 23192**	23192 CA/W33	1 270 000	320	N 092	PL 92	SDAF 3192	36053-154	ERF 808	ERF 906	5 000
480	21	18 1/2	**SDAF 23196**	23196 CA/W33	1 370 000	300	N 096	PL 96	SDAF 3196	36053-159	ERF 933	ERF 978	5 300

Note: All SDAF series are custom manufactured

Consult SKF USA Inc. prior to design change or order placement.

SKF





Taconite seal option

Extended range / cylindrical mount

SDAF 23100
Two-piece heavy duty cast-iron housing
Self-aligning / 23100 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 152; for other seal speed limits see page 345.

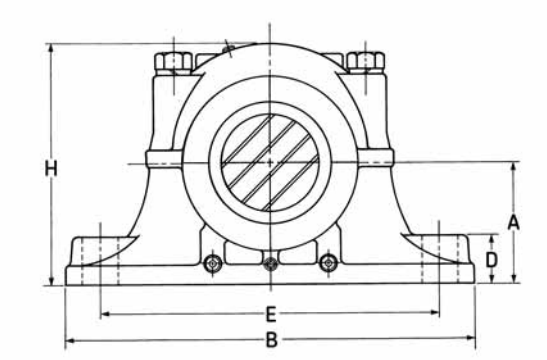
Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in													
SDAF 23152	10 1/4	35	13 1/8	3 3/4	30 1/2	29	29 3/4	8 3/4	20 7/8	3 1/8	13 3/4	(4)-1 5/8	4 5/8	17 1/2
SDAF 23156	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4 1/2	15 1/2	(4)-1 5/8	4 25/32	19
SDAF 23160	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	3 7/8	15 1/2	(4)-1 5/8	5 1/8	19
SDAF 23164	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	4 1/16	16 3/4	(4)-1 7/8	5 17/32	20 3/4
SDAF 23168	14	43 3/4	17 3/4	5	38 1/4	36 3/4	37 1/2	10 3/4	27 7/8	4 5/8	18 3/4	(4)-2	5 29/32	22 1/2
SDAF 23172	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 5/8	17 5/8	(4)-2	5 31/32	21 3/4
SDAF 23176	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 9/32	17 5/8	(4)-2	6 1/8	21 3/4
SDAF 23180	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 13/16	19 1/4	(4)-2 1/4	6 13/32	24
SDAF 23184	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 19/32	21 3/4	(4)-2 1/4	6 7/8	26 1/2
SDAF 23188	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 5/16	21 3/4	(4)-2 1/4	7 7/32	26 1/2
SDAF 23192	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 7/16	22 1/4	(4)-2 1/2	7 1/2	27
SDAF 23196	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 3/16	22 1/4	(4)-2 1/2	7 21/32	27

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Extended range / adapter mount

SDAF 23100 KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23100 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured



How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

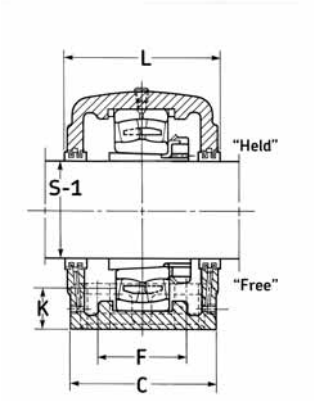
For shaft diameter tolerances see page 351; for bearing information see page 152; for other seal speed limits see page 345.

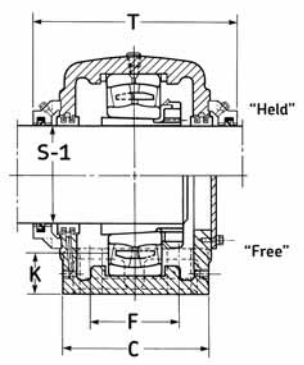
Shaft dia.		Designations								Mass
S-1 Standard	Optional	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal (2 req'd)	
in				lbs	r/min					lbs
9 7/16	9 1/2	**SDAF 23152 KA x 9 7/16**	23152 CAK/W33	499 000	800	SNP 3152 x 9 7/16	SDAF 3152 KA x 9 7/16	36053-114	ERF 891	1 050
10 7/16	10 1/2	**SDAF 23156 KA x 10 7/16**	23156 CAK/W33	517 000	750	SNP 3156 x 10 7/16	SDAF 3156 KA x 10 7/16	A 8967	ERF 973	1 250
10 15/16	11	**SDAF 23160 KA x 10 15/16**	23160 CAK/W33	634 000	670	SNP 3160 x 10 15/16	SDAF 3160 KA x 10 15/16	36053-157	ERF 858	1 350
11 15/16	12	**SDAF 23164 KA x 11 15/16**	23164 CAK/W33	737 000	630	SNP 3164 x 11 15/16	SDAF 3164 KA x 11 15/16	A 8970	ERF 900	1 850
12 7/16	12 1/2	**SDAF 23168 KA x 12 7/16**	23168 CAK/W33	827 000	600	SNP 3168 x 12 7/16	SDAF 3168 KA x 12 7/16	36053-137	ERF 975	2 450
13 7/16	13 1/2	**SDAF 23172 KA x 13 7/16**	23172 CAK/W33	842 000	560	SNP 3172 x 13 7/16	SDAF 3172 KA x 13 7/16	36053-167	ERF 872	2 500
13 15/16	14	**SDAF 23176 KA x 13 15/16**	23176 CAK/W33	841 000	400	SNP 3176 x 13 15/16	SDAF 3176 KA x 13 15/16	36053-143	ERF 875	2 500
14 15/16	15	**SDAF 23180 KA x 14 15/16**	23180 CAK/W33	917 000	380	SNP 3180 x 14 15/16	SDAF 3180 KA x 14 15/16	36053-150	ERF 882	2 800
15 3/4	*	**SDAF 23184 KA x 15 3/4**	23184 CAK/W33	1 100 000	360	SNP 3184 x 15 3/4	SDAF 3184 KA x 15 3/4	36053-160	ERF 907	4 300
16 1/2	*	**SDAF 23188 KA x 16 1/2**	23188 CAK/W33	1 170 000	340	SNP 3188 x 16 1/2	SDAF 3188 KA x 16 1/2	36053-165	ERF 958	4 300
17	*	**SDAF 23192 KA x 17**	23192 CAK/W33	1 270 000	320	SNP 3192 x 17	SDAF 3192 KA x 17	36053-154	ERF 838	5 000
18	*	**SDAF 23196 KA x 18**	23196 CAK/W33	1 370 000	300	SNP 3196 x 18	SDAF 3196 KA x 18	36053-159	ERF 888	5 300

*SKF will evaluate optional shaft diameters upon request

Note: All SDAF series are custom manufactured

Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

SDAF 23100 KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23100 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 152; for other seal speed limits see page 345.

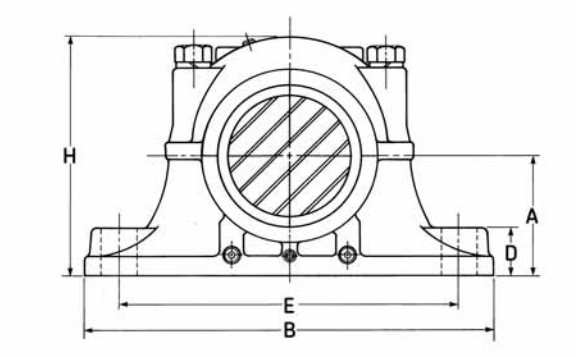
Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in													
SDAF 23152 KA x 9 7/16	10 1/4	35	13 1/8	3 3/4	30 1/2	29	29 3/4	8 3/4	20 7/8	3 1/8	13 3/4	(4)-1 5/8	4 5/8	17 1/2
SDAF 23156 KA x 10 7/16	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4 1/2	15 1/2	(4)-1 5/8	4 25/32	19
SDAF 23160 KA x 10 15/16	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	3 7/8	15 1/2	(4)-1 5/8	5 1/8	19
SDAF 23164 KA x 11 15/16	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	4 1/16	16 3/4	(4)-1 7/8	5 17/32	20 3/4
SDAF 23168 KA x 12 7/16	14	43 3/4	17 3/4	5	38 1/4	36 3/4	37 1/2	10 3/4	27 7/8	4 5/8	18 3/4	(4)-2	5 29/32	22 1/2
SDAF 23172 KA x 13 7/16	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 5/8	17 5/8	(4)-2	5 31/32	21 3/4
SDAF 23176 KA x 13 15/16	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 9/32	17 5/8	(4)-2	6 1/8	21 3/4
SDAF 23180 KA x 15	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 13/16	19 1/4	(4)-2 1/4	6 13/32	24
SDAF 23184 KA x 15 3/4	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 19/32	21 3/4	(4)-2 1/4	6 7/8	26 1/2
SDAF 23188 KA x 16 1/2	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 5/16	21 3/4	(4)-2 1/4	7 7/32	26 1/2
SDAF 23192 KA x 17	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 7/16	22 1/4	(4)-2 1/2	7 1/2	27
SDAF 23196 KA x 18	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 3/16	22 1/4	(4)-2 1/2	7 21/32	27

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Extended range / cylindrical mount

SDAF 23200
Two-piece heavy duty cast-iron housing
Self-aligning / 23200 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured



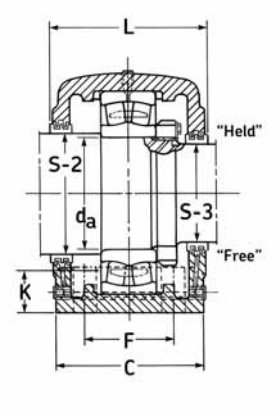
How to order

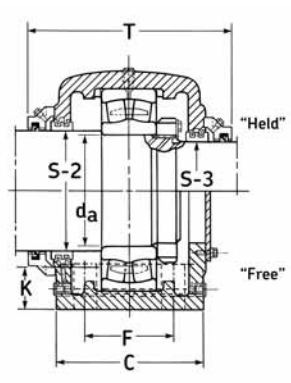
These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see page 345.

Shaft dia.			Designations										Mass
d_a	S-2	S-3	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Lock-nut	Lock-plate	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal S-2 shaft (1 req'd)	S-3 shaft (1 req'd)	
mm	in				lbs	r/min							lbs
240	10 1/2	9 3/16	**SDAF 23248**	23248 CA/W33	569 000	670	N 048	PL 48	SDAF 3248	36053-114	ERF 840	ERF 923	1 100
260	11 1/2	9 15/16	**SDAF 23252**	23252 CA/W33	634 000	630	N 052	PL 52	SDAF 3252	A 8968	ERF 832	ERF 845	1 350
280	12 1/2	10 3/4	**SDAF 23256**	23256 CA/W33	634 000	600	N 056	PL 56	SDAF 3256	36053-157	ERF 866	ERF 826	1 400
300	13	11 1/2	**SDAF 23260**	23260 CA/W33	621 000	530	N 060	PL 60	SDAF 3260	36053-130	ERF 846	ERF 856	1 900
320	14	12 1/4	**SDAF 23264**	23264 CA/W33	866 000	500	N 064	PL 64	SDAF 3264	36053-137	ERF 876	ERF 983	2 500
340	15	13	**SDAF 23268**	23268 CA/W33	1 050 000	430	N 068	PL 68	SDAF 3268	36053-143	ERF 847	ERF 846	2 650
360	16	13 3/4	**SDAF 23272**	23272 CA/W33	1 050 000	400	N 072	PL 72	SDAF 3272	36053-150	ERF 965	ERF 981	2 950
380	17	14 1/2	**SDAF 23276**	23276 CA/W33	1 140 000	380	N 076	PL 76	SDAF 3276	36053-152	ERF 838	ERF 984	3 050
400	17 1/2	15 1/4	**SDAF 23280**	23280 CA/W33	1 290 000	340	N 080	PL 80	SDAF 3280	36053-165	ERF 967	ERF 895	4 500
420	18 1/2	15 3/4	**SDAF 23284**	23284 CA/W33	1 420 000	320	N 084	PL 84	SDAF 3284	36053-154	ERF 978	ERF 907	5 000
440	19 1/2	17	**SDAF 23288**	23288 CA/W33	1 510 000	320	N 088	PL 88	SDAF 3288	36053-159	ERF 926	ERF 838	5 050

Note: All SDAF series are custom manufactured
Consult SKF USA Inc. prior to design change or order placement.





Taconite seal option

Extended range / cylindrical mount

SDAF 23200
Two-piece heavy duty cast-iron housing
Self-aligning / 23200 series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see page 345.

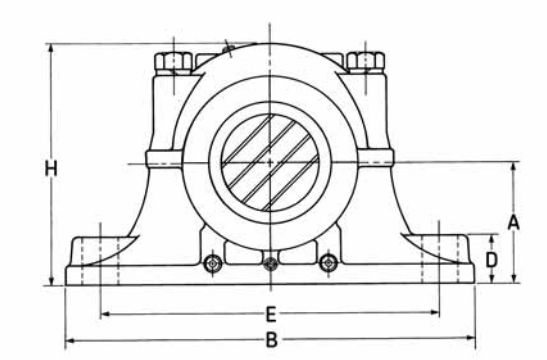
Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in													
SDAF 23248	10 1/4	35	13 1/8	3 3/4	30 1/2	29	29 3/4	8 3/4	20 7/8	3 9/32	13 3/4	(4)-1 5/8	4 7/8	17 1/2
SDAF 23252	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4 3/8	15 1/2	(4)-1 5/8	5 7/32	19
SDAF 23256	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4	15 1/2	(4)-1 5/8	5 11/32	19
SDAF 23260	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	4 3/32	16 3/4	(4)-1 7/8	5 3/4	20 3/4
SDAF 23264	14	43 3/4	17 3/4	5	38 1/4	36 3/4	37 1/2	10 3/4	27 7/8	4 3/4	18 3/4	(4)-2	6 5/32	22 1/2
SDAF 23268	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 17/32	17 5/8	(4)-2	6 19/32	21 3/4
SDAF 23272	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	5 1/8	19 1/4	(4)-2 1/4	6 3/4	24
SDAF 23276	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 9/16	19 1/4	(4)-2 1/4	7 1/32	24
SDAF 23280	17	53	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 5/8	21 3/4	(4)-2 1/4	7 1/2	26 1/2
SDAF 23284	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 25/32	22 1/4	(4)-2 1/2	7 13/16	27
SDAF 23288	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 1/4	22 1/4	(4)-2 1/2	8 9/32	27

Consult SKF USA Inc. prior to design change or order placement.

Split pillow blocks (inch series)

Extended range / adapter mount

SDAF 23200 KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23200 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured



How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

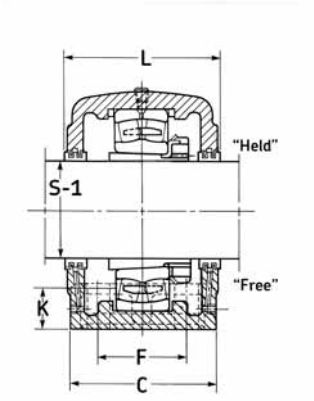
For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see page 345.

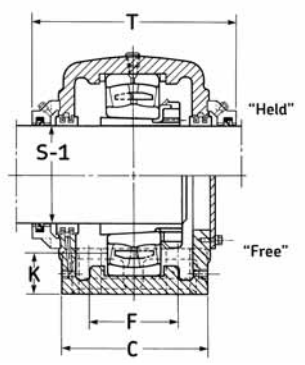
Shaft dia.		Designations								Mass
S-1 Standard	Optional [1]	Complete pillow block	Bearing	Bearing basic load rating dynamic C	ERF grease speed limit	Adapter assembly	Pillow block housing	Stab. ring (2 req'd)	Triple ring seal (2 req'd)	
in				lbs	r/min					lbs
$8^{15}/_{16}$	9	**SDAF 23248 KA x $8^{15}/_{16}$**	23248 CAK/W33	569 000	670	SNP 148 x $8^{15}/_{16}$	SDAF 3248 KA x $8^{15}/_{16}$	36053-114	ERF 914	1 100
$9^{7}/_{16}$	$9^{1}/_{2}$	**SDAF 23252 KA x $9^{7}/_{16}$**	23252 CAK/W33	634 000	630	SNP 152 x $9^{7}/_{16}$	SDAF 3252 KA x $9^{7}/_{16}$	A 8968	ERF 891	1 350
$10^{7}/_{16}$	$10^{1}/_{2}$	**SDAF 23256 KA x $10^{7}/_{16}$**	23256 CAK/W33	634 000	600	SNP 3256 x $10^{7}/_{16}$	SDAF 3256 KA x $10^{7}/_{16}$	36053-157	ERF 973	1 400
$10^{15}/_{16}$	11	**SDAF 23260 KA x $10^{15}/_{16}$**	23260 CAK/W33	621 000	530	SNP 3260 x $10^{15}/_{16}$	SDAF 3260 KA x $10^{15}/_{16}$	36053-130	ERF 1002	1 900
$11^{15}/_{16}$	12	**SDAF 23264 KA x $11^{15}/_{16}$**	23264 CAK/W33	866 000	500	SNP 3264 x $11^{15}/_{16}$	SDAF 3264 KA x $11^{15}/_{16}$	36053-137	ERF 900	2 500
$12^{7}/_{16}$	$12^{1}/_{2}$	**SDAF 23268 KA x $12^{7}/_{16}$**	23268 CAK/W33	1 050 000	430	SNP 3268 x $12^{7}/_{16}$	SDAF 3268 KA x $12^{7}/_{16}$	36053-143	ERF 975	2 650
$13^{7}/_{16}$	$13^{1}/_{2}$	**SDAF 23272 KA x $13^{7}/_{16}$**	23272 CAK/W33	1 050 000	400	SNP 3272 x $13^{7}/_{16}$	SDAF 3272 KA x $13^{7}/_{16}$	36053-150	ERF 979	2 950
$13^{15}/_{16}$	14	**SDAF 23276 KA x $13^{15}/_{16}$**	23276 CAK/W33	1 140 000	380	SNP 3276 x $13^{15}/_{16}$	SDAF 3276 KA x $13^{15}/_{16}$	36053-152	ERF 977	3 050
$14^{15}/_{16}$	15	**SDAF 23280 KA x 15**	23280 CAK/W33	1 290 000	340	SNP 3280 x 15	SDAF 3280 KA x 15	36053-165	ERF 976	4 500
$15^{3}/_{4}$	*	**SDAF 23284 KA x $15^{3}/_{4}$**	23284 CAK/W33	1 420 000	320	SNP 3284 x $15^{3}/_{4}$	SDAF 3284 KA x $15^{3}/_{4}$	36053-154	ERF 907	5 000
$16^{1}/_{2}$	*	**SDAF 23288 KA x $16^{1}/_{2}$**	23288 CAK/W33	1 510 000	320	SNP 3288 x $16^{1}/_{2}$	SDAF 3288 KA x $16^{1}/_{2}$	36053-159	ERF 958	5 050

*SKF will evaluate optional shaft diameters upon request
1) Requires different adapter sleeve and seals.

Note: All SDAF series are custom manufactured
Consult SKF USA Inc. prior to design change or order placement.

SDAF 23200 KA
Two-piece heavy duty cast-iron housing
Self-aligning / 23200 K series bearing
Held or free bearing
Oil or grease lubrication
ERF triple ring seals
Custom manufactured





Taconite seal option

How to order

These housings are made-to-order, customized bearing solutions and should be reviewed by our application engineers. Please refer to page 411 for required application information.

For shaft diameter tolerances see page 351; for bearing information see page 154; for other seal speed limits see page 345.

Designations Complete pillow block	A	B	C	D	E Max	E Min	E Drilled holes	F	H	**Static oil level** K	L	**Bolts** (No. req'd)	R	T
	in													
SDAF 23248 KA x 8 15/16	10 1/4	35	13 1/8	3 3/4	30 1/2	29	29 3/4	8 3/4	20 7/8	3 9/32	13 3/4	(4)-1 5/8	4 7/8	17 1/2
SDAF 23252 KA x 9 7/16	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4 3/8	15 1/2	(4)-1 5/8	5 7/32	19
SDAF 23256 KA x 10 7/16	12	38 1/4	14 3/4	4	33 1/2	32 3/4	33 1/8	9	23 7/16	4	15 1/2	(4)-1 5/8	5 11/32	19
SDAF 23260 KA x 10 15/16	12 13/16	41 3/4	15 3/4	4 1/2	36 1/2	35	35 3/4	10 1/2	25 3/4	4 3/32	16 3/4	(4)-1 7/8	5 3/4	20 3/4
SDAF 23264 KA x 11 15/16	14	43 3/4	17 3/4	5	38 1/4	36 3/4	37 1/2	10 3/4	27 7/8	4 3/4	18 3/4	(4)-2	6 5/32	22 1/2
SDAF 23268 KA x 12 7/16	14 1/2	46	17 1/8	5 1/4	40 3/4	39 1/4	40	11	28 7/8	4 17/32	17 5/8	(4)-2	6 19/32	21 3/4
SDAF 23272 KA x 13 7/16	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	5 1/8	19 1/4	(4)-2 1/4	6 3/4	24
SDAF 23276 KA x 13 15/16	15 1/2	48 3/4	18 3/4	5 1/2	43 1/2	41 3/4	42 5/8	12 1/4	30 1/2	4 9/16	19 1/4	(4)-2 1/4	7 1/32	24
SDAF 23280 KA x 15	17	52	21	5 1/2	46 1/8	44 3/8	45 1/4	14 1/2	33 3/4	5 5/8	21 3/4	(4)-2 1/4	7 1/2	26 1/2
SDAF 23284 KA x 15 3/4	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 25/32	22 1/4	(4)-2 1/2	7 13/16	27
SDAF 23288 KA x 16 1/2	18	54 1/4	21 5/8	5 3/4	48 7/8	47 1/8	48	15	35 3/4	5 1/4	22 1/4	(4)-2 1/2	8 9/32	27

Consult SKF USA Inc. prior to design change or order placement.

Mounting accessories / introduction

Adapters

The adapter is used to hold and locate a tapered bore bearing on a cylindrical shaft seat. It permits relatively wide tolerances for the shaft diameter and makes it unnecessary to heat the bearing or use a press when mounting in order to obtain an interference fit of the inner ring on the shaft.

SKF adapters are manufactured with the same precise techniques and care used in the manufacture of bearings.

SKF adapters are generally supplied complete with locknut and locking device.

Dimensions and tolerances

The adapters, locknuts, lockwashers, lockplates and withdrawal sleeves generally conform to ABMA standard 8.2.

In addition to the inch bore accessories shown in these catalog tables the SKF manufacturing program includes metric bore adapter sleeves and withdrawal sleeves along with their associated locking devices. Consult SKF for information.

Hydraulic assist adapters (OSNW and OSNP)

SKF inch adapter sleeves for bearing sizes 26 (22226, 23226) and larger, can be supplied with oil supply ducts and distribution grooves for pressurized oil to assist in mounting and dismounting. M6 x 1 threads are used for all inch dimension adapter sleeves. For corresponding information on inch dimension adapter sleeves, please consult SKF Applications Engineering.

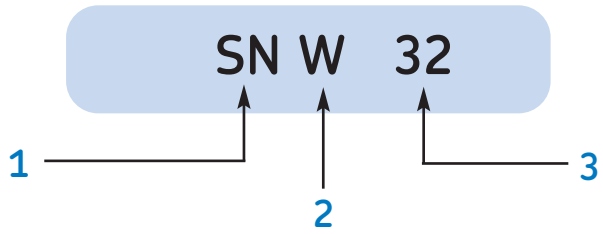
Complete adapters

Hydraulic assist adapters (nomenclature):

OS....	Inlet on non-threaded side to distribution groove on tapered surface
OS....H	Inlet on threaded side to distribution groove on tapered surface
OS....HB	Inlet on threaded side to distribution groove on tapered surface; 2nd inlet on threaded side to distribution groove on bore surface
OS....B	Inlet on non-threaded side to distribution groove on tapered surface; 2nd inlet on non-threaded side to distribution groove on bore surface

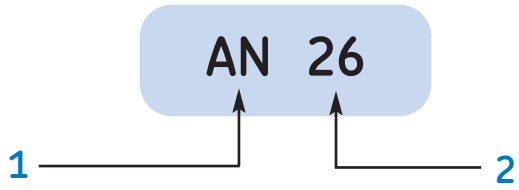
Consult SKF USA Inc. prior to design change or order placement.

Complete adapters



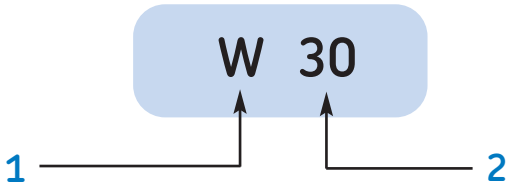
1. Adapters:	
S	Adapter sleeve
N	Locknut
2. Locking device:	
S	Lockwasher
N	Lockplate
3. Size:	

Locknuts



1. Locknut:	
N	Heavy section
AN	Heavy section
NO	Light section
2. Size:	

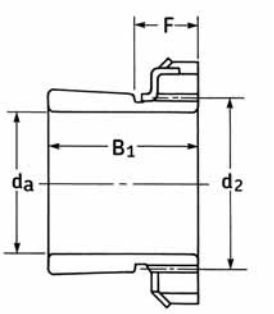
Lockwashers / lockplates



1. Locking device:	
W	Lockwasher, heavy section
WO	Lockwasher, light section
PL	Lockplate
2. Size:	

Adapters

Bearings series 12, 13, 222

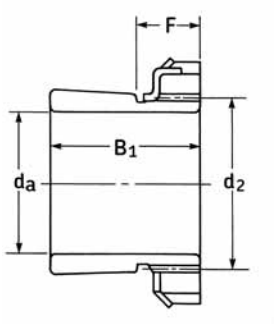


How to order	Specify
Complete adapter	Shaft size
SNW 5	x 3/4

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard. Consult SKF for optional shaft sizes.

Bearing size	Shaft dia. d_a Standard	Shaft dia. d_a Optional	Designations Complete adapter	Locknut	Lockwasher	Adapter sleeve	Mass	Dimensions B_1	Dimensions F	Dimensions Mean thread pitch diameter d_2	Threads per inch
	in						lbs				
05	3/4	—	**SNW 5**	N 05	W 05	S 5	0.22	1.269	0.562	0.9470	32
06	15/16	—	**SNW 6**	N 06	W 06	S 6	0.28	1.353	0.622	1.1339	18
07	1 3/16	—	**SNW 7**	N 07	W 07	S 7	0.35	1.459	0.654	1.3369	18
08	1 5/16	—	**SNW 8**	N 08	W 08	S 8	0.41	1.504	0.662	1.5237	18
09	1 7/16	1 3/8, 1 1/2	**SNW 9**	N 09	W 09	S 9	0.62	1.584	0.662	1.7277	18
10	1 11/16	1 5/8, 1 3/4	**SNW 10**	N 10	W 10	S 10	0.73	1.765	0.724	1.9277	18
11	1 15/16	1 7/8, 2	**SNW 11**	N 11	W 11	S 11	0.80	1.845	0.729	2.1174	18
12	2 1/16		**SNW 12**	N 12	W 12	S 12	1.10	1.989	0.760	2.3204	18
13	2 3/16	2 1/8, 2 1/4	**SNW 13**	N 13	W 13	S 13	1.40	2.100	0.792	2.5084	18
14	2 5/16	—	**SNW 14**	N 14	W 14	S 14	1.80	2.274	0.792	2.7114	18
15	2 7/16	2 3/8, 2 1/2	**SNW 15**	AN 15	W 15	S 15	2.25	2.296	0.895	2.8752	12
16	2 11/16	2 5/8, 2 3/4	**SNW 16**	AN 16	W 16	S 16	2.40	2.376	0.895	3.0790	12
17	2 15/16	2 13/16, 2 7/8, 3	**SNW 17**	AN 17	W 17	S 17	2.90	2.486	0.926	3.2812	12
18	3 3/16	3 1/16, 3 1/8, 3 1/4	**SNW 18**	AN 18	W 18	S 18	3.05	2.646	1.010	3.4682	12
19	3 5/16	—	**SNW 19**	AN 19	W 19	S 19	4.05	2.760	1.041	3.6712	12
20	3 7/16	3 5/16, 3 3/8, 3 1/2	**SNW 20**	AN 20	W 20	S 20	4.40	2.869	1.073	3.8592	12
21	3 11/16	—	**SNW 21**	AN 21	W 21	S 21	4.55	2.987	1.073	4.0618	12
22	3 15/16	3 13/16, 3 7/8, 4	**SNW 22**	AN 22	W 22	S 22	5.00	3.206	1.135	4.2648	12
24	4 3/16	4 1/16, 4 1/8, 4 1/4	**SNW 24**	AN 24	W 24	S 24	6.65	3.466	1.166	4.6558	12
26	4 7/16	4 5/16, 4 3/8, 4 1/2	**SNW 26**	AN 26	W 26	S 26	9.70	3.762	1.229	5.0458	12
28	4 15/16	4 13/16, 4 7/8, 5	**SNW 28**	AN 28	W 28	S 28	10.5	3.981	1.291	5.4368	12
30	5 3/16	5 1/8, 5 1/4	**SNW 30**	AN 30	W 30	S 30	16.0	4.241	1.354	5.8278	12
32	5 7/16	5 3/8, 5 1/2	**SNW 32**	AN 32	W 32	S 32	15.5	4.578	1.510	6.1953	8
34	5 15/16	5 13/16, 5 7/8, 6	**SNW 34**	AN 34	W 34	S 34	19.5	4.847	1.541	6.5703	8
36	6 7/16	6 5/16, 6 3/8, 6 1/2	**SNW 36**	AN 36	W 36	S 36	20.5	5.038	1.573	6.9773	8
38	6 15/16	6 13/16, 6 7/8, 7	**SNW 38**	AN 38	W 38	S 38	23.5	5.261	1.604	7.3833	8
40	7 3/16	7 1/8, 7 1/4	**SNW 40**	AN 40	W 40	S 40	30.5	5.484	1.666	7.7571	8
44	7 15/16	7 13/16, 7 7/8, 8	**SNW 44**	N 44	W 44	S 44	32.5	5.901	1.698	8.5378	8

Consult SKF USA Inc. prior to design change or order placement.



How to order	Specify
Complete adapter	Shaft size
SNW 3024	x 4 3/16

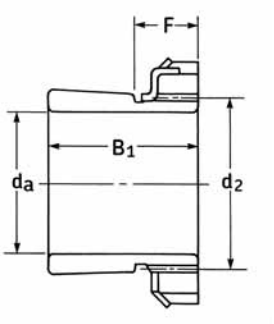
All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
Consult SKF for optional shaft sizes.

Bearing size	Shaft dia. d_a Standard	Shaft dia. d_a Optional	Designations Complete adapter	Designations Locknut	Designations Lockwasher	Designations Adapter sleeve	Mass	Dimensions B_1	Dimensions F	Dimensions Mean thread pitch diameter d_2	Dimensions Threads per inch
	in						lbs				
24	4 3/16	4 1/16, 4 1/8, 4 1/4	**SNW 3024**	N 024	W 024	S 3024	6.15	2.947	1.250	4.6558	12
26	4 7/16	4 5/16, 4 3/8, 4 1/2	**SNW 3026**	N 026	W 026	S 3026	7.50	3.237	1.313	5.0458	12
28	4 15/16	4 13/16, 4 7/8, 5	**SNW 3028**	N 028	W 028	S 3028	8.45	3.340	1.375	5.4368	12
30	5 3/16	5 1/8, 5 1/4	**SNW 3030**	N 030	W 030	S 3030	9.80	3.492	1.406	5.8278	12
32	5 7/16	5 3/8, 5 1/2	**SNW 3032**	N 032	W 032	S 3032	12.0	3.711	1.468	6.1953	8
34	5 15/16	5 13/16, 5 7/8, 6	**SNW 3034**	N 034	W 034	S 3034	13.5	4.019	1.500	6.5703	8
36	6 7/16	6 5/16, 6 3/8, 6 1/2	**SNW 3036**	N 036	W 036	S 3036	15.0	4.337	1.531	6.9773	8
38	6 15/16	6 13/16, 6 7/8, 7	**SNW 3038**	N 038	W 038	S 3038	16.5	4.412	1.594	7.3833	8
40	7 3/16	7 1/8, 7 1/4	**SNW 3040**	N 040	W 040	S 3040	19.5	4.750	4.656	7.7571	8
44	7 15/16	7 13/16, 7 7/8, 8	**SNW 3044**	N 044	W 044	S 3044	24.5	5.130	1.750	8.5378	8
48	8 15/16	8 7/16, 8 1/2, 9	**SNP 3048**	N 048	PL 48	S 3048	32.0	5.432	1.968	9.3245	6
52	9 7/16	9 1/2	**SNP 3052**	N 052	PL 52	S 3052	41.0	6.019	2.125	10.0742	6
56	10 7/16	10, 10 1/2	**SNP 3056**	N 056	PL 56	S 3056	45.5	6.191	2.219	10.8852	6
60	10 15/16	11	**SNP 3060**	N 060	PL 60	S 3060	59.0	6.727	2.281	11.6662	6
64	11 15/16	11 1/2, 12	**SNP 3064**	N 064	PL 64	S 3064	65.0	6.946	2.375	12.4440	6
68	12 7/16	12 1/2	**SNP 3068**	N 068	PL 68	S 3068	78.0	7.543	2.531	13.1910	5
72	13 7/16	13, 13 1/2	**SNP 3072**	N 072	PL 72	S 3072	86.0	7.579	2.531	14.0220	5
76	13 15/16	14	**SNP 3076**	N 076	PL 76	S 3076	94.5	7.743	2.656	14.8090	5
80	15	15	**SNP 3080**	N 080	PL 80	S 3080	100.0	8.411	2.813	15.5970	5
84	15 3/4	—	**SNP 3084**	N 084	PL 84	S 3084	105.0	8.498	2.813	16.3840	5
88	16 1/2	—	**SNP 3088**	N 088	PL 88	S 3088	130.0	9.100	3.228	17.2830	5
92	17	—	**SNP 3092**	N 092	PL 92	S 3092	157.0	9.336	3.228	18.0710	5
96	18	—	**SNP 3096**	N 096	PL 96	S 3096	165.0	9.446	3.260	18.8580	5
500	18 1/2	—	**SNP 30/500**	N 500	PL 500	S 32/500	200.0	9.838	3.573	19.6460	5
530	19 1/2	—	**SNP 30/530**	N 530	PL 530	S 32/530	263.0	10.679	3.573	20.8270	4

Consult SKF USA Inc. prior to design change or order placement.

Adapters

Bearings series 231



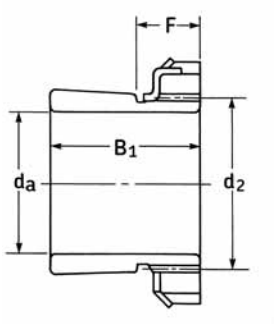
How to order	Specify
Complete adapter	Shaft size
SNW 3122	x 3 15/16

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard. Consult SKF for optional shaft sizes.

Bearing size	Shaft dia.		Designations				Mass	Dimensions			
	d_a Standard	Optional	Complete adapter	Locknut	Lockwasher	Adapter sleeve		B_1	F	Mean thread pitch diameter d_2	Threads per inch
	in						lbs				
22	3 15/16	—	**SNW 3122**	N 022	W 022	S 22	4.25	3.206	1.135	4.2648	12
24	4 1/4	—	**SNW 3124**	N 024	W 024	S 24	5.85	3.466	1.166	4.6558	12
26	4 7/16	—	**SNW 3126**	N 026	W 026	S 26	8.35	3.762	1.229	5.0458	12
28	4 15/16	—	**SNW 3128**	N 028	W 028	S 28	8.85	3.981	1.291	5.4368	12
30	5 3/16	—	**SNW 3130**	N 030	W 030	S 30	13.5	4.241	1.354	5.8278	12
32	5 7/16	—	**SNW 3132**	N 032	W 032	S 32	13.5	4.578	1.510	6.1953	8
34	5 15/16	—	**SNW 3134**	N 034	W 034	S 34	16.0	4.847	1.541	6.5703	8
36	6 7/16	—	**SNW 3136**	N 036	W 036	S 36	17.0	5.038	1.573	6.9773	8
38	6 15/16	—	**SNW 3138**	N 038	W 038	S 38	19.5	5.261	1.604	7.3833	8
40	7 3/16	—	**SNW 3140**	N 040	W 040	S 40	28.5	5.484	1.666	7.7571	8
44	7 15/16	—	**SNW 3144**	N 044	W 044	S 44	28.0	5.901	1.698	8.5378	8
48	8 15/16		**SNP 3148**	N 048	PL 48	S 48	37.5	6.638	1.979	9.3245	6
52	9 7/16	9 1/2	**SNP 3152**	N 052	PL 52	S 52	44.0	7.593	2.125	10.0742	6
56	10	10 1/2	**SNP 3156**	N 056	PL 56	S 3156	46.5	7.766	2.219	10.8852	6
60	10 15/16	11	**SNP 3160**	N 060	PL 60	S 3160	59.5	8.830	2.281	11.6662	6
64	12	12	**SNP 3164**	N 064	PL 64	S 3164	74.0	9.111	2.375	12.4440	6
68	12 7/16	12 1/2	**SNP 3168**	N 068	PL 68	S 3168	93.5	9.787	2.531	13.1910	5
72	13 7/16	13 1/2	**SNP 3172**	N 072	PL 72	S 3172	120.0	9.862	2.531	14.0220	5
76	13 15/16	14	**SNP 3176**	N 076	PL 76	S 3176	125.0	10.066	2.656	14.8090	5
80	15	15	**SNP 3180**	N 080	PL 80	S 3180	140.0	10.459	2.875	15.5970	5
84	15 3/4	—	**SNP 3184**	N 084	PL 84	S 3184	145.0	11.412	2.938	16.3840	5
88	16 1/2	—	**SNP 3188**	N 088	PL 88	S 3188	151.0	11.817	3.228	17.2830	5
92	17	—	**SNP 3192**	N 092	PL 92	S 3192	209.0	12.368	3.323	18.0710	5
96	18	—	**SNP 3196**	N 096	PL 96	S 3196	201.0	12.714	3.354	18.8580	5

Consult SKF USA Inc. prior to design change or order placement.

Bearings series 223 and 232
d_a $1^{7}/_{16}$ - $5^{3}/_{16}$ in



All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
Consult SKF for optional shaft sizes.

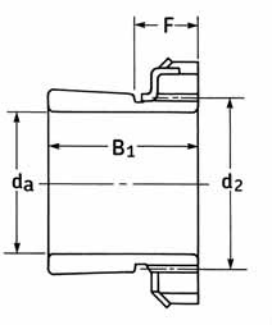
Bearing size	Shaft dia.	Designations				Mass	Dimensions			
	d_a Standard	Complete adapter	Locknut	Lockwasher	Adapter sleeve		B_1	F	Mean thread pitch diameter d_2	Threads per inch
	in					lbs				
09	$1^{7}/_{16}$	**SNW 109**	N 09	W 09	S 109	0.71	2.133	0.622	1.7277	18
10	$1^{11}/_{16}$	**SNW 110**	N 10	W 10	S 110	0.87	2.394	0.724	1.9277	18
11	$1^{15}/_{16}$	**SNW 111**	N 11	W 11	S 111	0.94	2.516	0.729	2.1174	18
12	$2^{1}/_{16}$	**SNW 112**	N 12	W 12	S 112	1.60	2.659	0.760	2.3204	18
13	$2^{3}/_{16}$	**SNW 113**	N 13	W 13	S 113	1.75	2.771	0.792	2.5084	18
14	$2^{7}/_{16}$	**SNW 114**	N 14	W 14	S 114	2.05	2.945	0.792	2.7114	18
15	$2^{7}/_{8}$	**SNW 115**	AN 15	W 15	S 115	2.95	3.084	0.895	2.8752	12
16	$2^{11}/_{16}$	**SNW 116**	AN 16	W 16	S 116	3.20	3.204	0.895	3.0790	12
17	$2^{15}/_{16}$	**SNW 117**	AN 17	W 17	S 117	3.40	3.312	0.926	3.2812	12
18	$3^{3}/_{16}$	**SNW 118**	AN 18	W 18	S 118	4.00	3.553	1.010	3.4682	12
19	$3^{5}/_{16}$	**SNW 119**	AN 19	W 19	S 119	4.80	3.702	1.041	3.6712	12
20	$3^{7}/_{16}$	**SNW 120**	AN 20	W 20	S 120	6.25	3.971	1.073	3.8592	12
22	$3^{15}/_{16}$	**SNW 122**	AN 22	W 22	S 122	6.45	4.348	1.135	4.2648	12
24	$4^{3}/_{16}$	**SNW 124**	AN 24	W 24	S 124	7.80	4.648	1.166	4.6558	12
26	$4^{7}/_{16}$	**SNW 126**	AN 26	W 26	S 126	12.5	4.982	1.229	5.0458	12
28	$4^{15}/_{16}$	**SNW 128**	AN 28	W 28	S 128	13.0	5.323	1.291	5.4368	12
30	$5^{3}/_{16}$	**SNW 130**	AN 30	W 30	S 130	8.15	5.621	1.354	5.8278	12

Consult SKF USA Inc. prior to design change or order placement.

Adapters

Bearings series 223 and 232

d_a $5^{7}/_{16}$ - $16^{1}/_{2}$ in



How to order	Specify
Complete adapter	Shaft size
SNW 132	x $5^{7}/_{16}$

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
Consult SKF for optional shaft sizes.

Bearing size	Shaft dia.		Designations				Mass	Dimensions			
	d_a Standard	Optional	Complete adapter	Locknut	Lockwasher/ lockplate	Adapter sleeve		B_1	F	Mean thread pitch diameter d_2	Threads per inch
	in						lbs				
32	$5^{7}/_{16}$	$5^{3}/_{8}$, $5^{1}/_{2}$	**SNW 132**	AN 32	W 32	S 132	18.0	5.920	1.510	6.1953	8
34	$5^{15}/_{16}$	$5^{13}/_{16}$, $5^{7}/_{8}$, 6	**SNW 134**	AN 34	W 34	S 134	21.0	6.188	1.541	6.5703	8
36	$6^{7}/_{16}$	—	**SNW 136**	AN 36	W 36	S 136	22.5	6.456	1.573	6.9773	8
38	$6^{15}/_{16}$	$6^{13}/_{16}$, $6^{7}/_{8}$, 7	**SNW 138**	AN 38	W 38	S 138	28.0	6.758	1.604	7.3833	8
40	$7^{3}/_{16}$	$7^{1}/_{8}$, $7^{1}/_{4}$	**SNW 140**	AN 40	W 40	S 140	35.5	7.095	1.666	7.7571	8
44	$7^{15}/_{16}$	—	**SNW 144**	N 44	W 44	S 144	46.5	7.287	1.698	8.5378	8
48	$8^{15}/_{16}$	—	**SNP 148**	N 048	PL 48	S 148	48.5	8.109	1.979	9.3245	6
52	$9^{7}/_{16}$	$9^{1}/_{2}$	**SNP 152**	N 052	PL 52	S 152	54.5	8.774	2.125	10.0742	6
56	$10^{7}/_{16}$	$10^{1}/_{2}$	**SNP 3256**	N 056	PL 56	S 3256	59.0	8.947	2.219	10.8852	6
60	$10^{15}/_{16}$	11	**SNP 3260**	N 060	PL 60	S 3260	68.5	9.640	2.281	11.6662	6
64	$11^{15}/_{16}$	12	**SNP 3264**	N 064	PL 64	S 3264	98.0	10.371	2.375	12.4440	6
68	$12^{7}/_{16}$	$12^{1}/_{2}$	**SNP 3268**	N 068	PL 68	S 3268	105.0	11.126	2.531	13.1910	5
72	$13^{7}/_{16}$	$13^{1}/_{2}$	**SNP 3272**	N 072	PL 72	S 3272	135.0	11.437	2.531	14.0220	5
76	$13^{15}/_{16}$	14	**SNP 3276**	N 076	PL 76	S 3276	145.0	11.877	2.656	14.8090	5
80	15	15	**SNP 3280**	N 080	PL 80	S 3280	165.0	12.664	2.875	15.5970	5
84	$15^{3}/_{4}$	—	**SNP 3284**	N 084	PL 84	S 3284	165.0	13.302	2.938	16.3840	5
88	$16^{1}/_{2}$	—	**SNP 3288**	N 088	PL 88	S 3288	190.0	13.943	3.228	17.2830	5

Consult SKF USA Inc. prior to design change or order placement.

Locknuts, lockwashers and lockplates

Locknuts and lockwashers are commonly used as effective means for holding bearing inner rings axially on the shaft. They are also frequently used to secure gears, belt pulleys and other machine components. The locknuts are accurately made to insure that the abutment face will be square with the shaft axis, thus avoiding distortion of the shaft during tightening.

The lockwashers are made from selected high quality steel, heat treated, and they must pass a final inspection that requires their surfaces to be smooth and free from burrs.

The lockplate is a steel stamping that engages the slot of the sleeve and is secured to the end face of larger nuts by two screws. This unit is used in lieu of lockwashers.

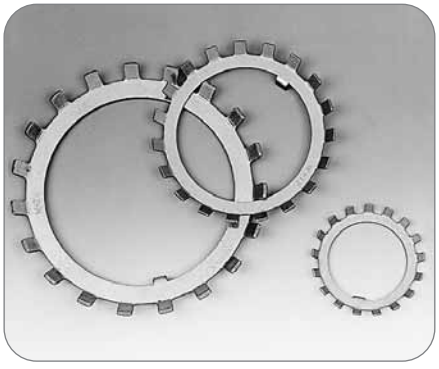
Wherever bearings must be held in permanent or correct position, SKF locknuts, lockwashers and lockplates are recommended.

Dimensions and tolerances

The adapters, locknuts, lockwashers, lockplates and withdrawal sleeves generally conform to ABMA standard 8.2.

In addition to the inch bore accessories shown in these catalog tables, the SKF manufacturing program includes metric bore adapter sleeves and withdrawal sleeves along with their associated locking devices. Consult SKF for information.

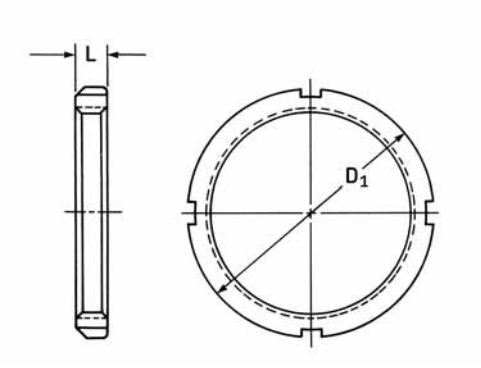
Locknuts



Lockwashers / Lockplates

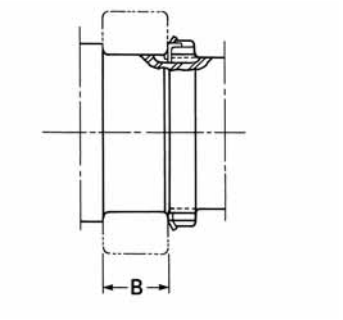
Consult SKF USA Inc. prior to design change or order placement.

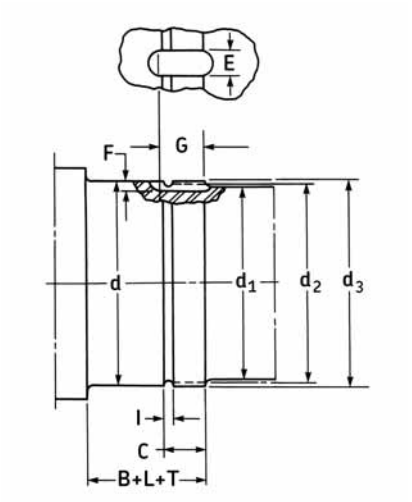
Heavy section
Locknuts and lockwashers
Bearing Series 12, 13, 222, 223, 232



How to order	Specify
N 00	Locknut
W 00	Lockwasher

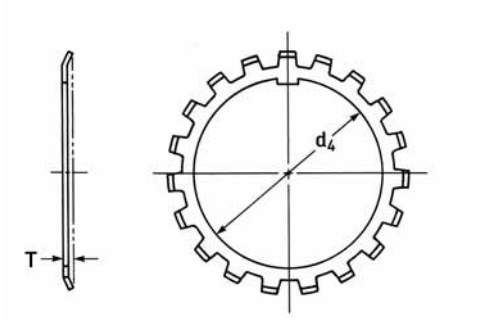
All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.





Bearing size	Designations		Combined mass	Shaft dimensions		
	Locknut	Lockwasher		d	Threads major dia. d_3 max	min.
			lbs	in		
00	**N 00**	**W 00**	0.02	0.3937	0.3910	0.3856
01	**N 01**	**W 01**	0.04	0.4724	0.4690	0.4636
02	**N 02**	**W 02**	0.05	0.5906	0.5860	0.5806
03	**N 03**	**W 03**	0.07	0.6693	0.6640	0.6586
04	**N 04**	**W 04**	0.11	0.7874	0.7810	0.7756
05	**N 05**	**W 05**	0.14	0.9843	0.9690	0.9636
06	**N 06**	**W 06**	0.16	1.1811	1.1730	1.1648
07	**N 07**	**W 07**	0.24	1.3780	1.3760	1.3678
08	**N 08**	**W 08**	0.27	1.5748	1.5630	1.5548
09	**N 09**	**W 09**	0.34	1.7717	1.7670	1.7588
10	**N 10**	**W 10**	0.39	1.9685	1.9670	1.9588
11	**N 11**	**W 11**	0.48	2.1654	2.1570	2.1488
12	**N 12**	**W 12**	0.54	2.3622	2.3600	2.3518
13	**N 13**	**W 13**	0.64	2.5591	2.5480	2.5398
14	**N 14**	**W 14**	0.73	2.7559	2.7510	2.7428
15	**AN 15**	**W 15**	0.90	2.9528	2.9330	2.9218
16	**AN 16**	**W 16**	1.05	3.1496	3.1370	3.1258
17	**AN 17**	**W 17**	1.20	3.3465	3.3400	3.3288
18	**AN 18**	**W 18**	1.50	3.5433	3.5270	3.5158
19	**AN 19**	**W 19**	1.75	3.7402	3.7300	3.7188
20	**AN 20**	**W 20**	2.05	3.9370	3.9180	3.9068

Consult SKF USA Inc. prior to design change or order placement.



How to order	Specify
N 00	Locknut
W 00	Lockwasher

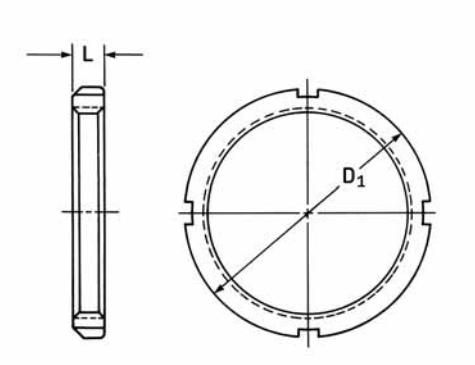
All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

Dimensions

Thread pitch dia. d_2 max	min	Threads per inch	d_1 max	C $+1/64$ –0	G $+1/32$ –0	I $+1/64$ –0	E $+1/64$ –0	F $+1/64$ –0	Locknut D_1	L	Lockwasher T	d_4
			in									
0.3707	0.3681	32	5/16	9/32	3/8	1/16	1/8	1/16	3/4	7/32	0.042	0.414
0.4487	0.4461	32	13/32	3/8	15/32	1/16	1/8	1/16	7/8	5/16	0.042	0.492
0.5657	0.5627	32	1/2	3/8	15/32	1/16	1/8	5/64	1	5/16	0.042	0.609
0.6437	0.6407	32	9/16	13/32	1/2	1/16	1/8	5/64	1 1/8	11/32	0.042	0.687
0.7607	0.7573	32	23/32	7/16	17/32	1/16	3/16	5/64	1 3/8	3/8	0.042	0.809
0.9487	0.9453	32	7/8	15/32	19/32	1/16	3/16	3/32	1 9/16	13/32	0.050	0.999
1.1369	1.1329	18	1 1/16	15/32	19/32	3/32	3/16	3/32	1 3/4	13/32	0.050	1.203
1.3399	1.3359	18	1 1/4	1/2	5/8	3/32	3/16	3/32	2 1/16	7/16	0.050	1.406
1.5269	1.5224	18	1 15/32	17/32	21/32	3/32	5/16	3/32	2 1/4	7/16	0.058	1.593
1.7309	1.7204	18	1 11/16	17/32	11/16	1/8	5/16	3/32	2 17/32	7/16	0.058	1.805
1.9309	1.9264	18	1 7/8	19/32	3/4	1/8	5/16	3/32	2 11/16	1/2	0.058	2.005
2.1209	2.1158	18	2 1/16	19/32	3/4	1/8	5/16	1/8	2 31/32	1/2	0.063	2.195
2.3239	2.3188	18	2 1/4	5/8	25/32	1/8	5/16	1/8	3 5/32	17/32	0.063	2.413
2.5119	2.5068	18	2 7/16	21/32	13/16	1/8	5/16	1/8	3 3/8	9/16	0.063	2.601
2.7149	2.7098	18	2 5/8	21/32	29/32	1/8	5/16	1/8	3 5/8	9/16	0.063	2.804
2.8789	2.8735	12	2 25/32	11/16	15/16	5/32	5/16	1/8	3 7/8	19/32	0.072	2.988
3.0829	3.0770	12	3	11/16	15/16	5/32	3/8	1/8	4 5/32	19/32	0.072	3.192
3.2859	3.2800	12	3 3/16	23/32	31/32	5/32	3/8	1/8	4 13/32	5/8	0.072	3.410
3.4729	3.4655	12	3 3/8	13/16	1 1/16	5/32	3/8	5/32	4 21/32	11/16	0.094	3.597
3.6759	3.6685	12	3 9/16	27/32	1 3/32	5/32	3/8	5/32	4 15/16	23/32	0.094	3.815
3.8639	3.8565	12	3 25/32	7/8	1 3/16	5/32	3/8	5/32	5 3/16	3/4	0.094	4.003

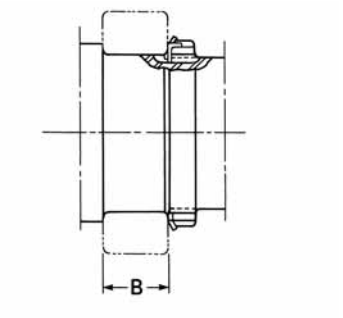
Consult SKF USA Inc. prior to design change or order placement.

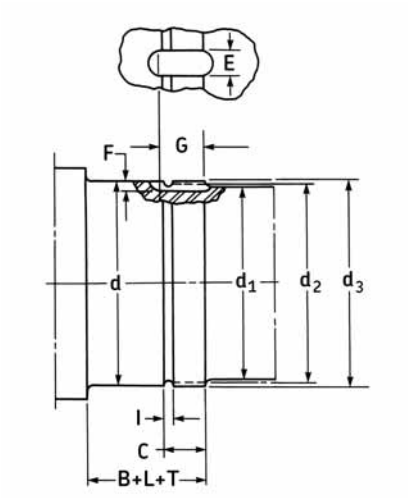
Heavy section
Locknuts and lockwashers
Bearing series 12, 13, 222, 223, 232*



How to order	Specify
AN 21	Locknut
W 21	Lockwasher

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

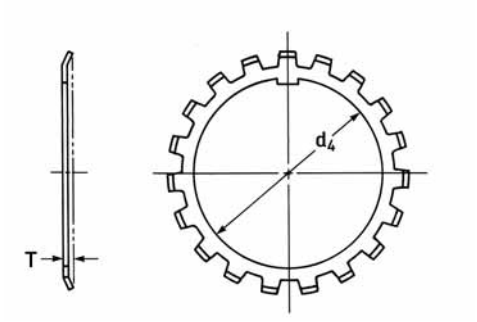




Bearing size	Designations		Combined mass	Shaft dimensions		
	Locknut	Lockwasher		d	Threads major dia. d_3 max	min
			lbs	in		
21	**AN 21**	**W 21**	2.25	4.1339	4.122	4.1108
22	**AN 22**	**W 22**	2.45	4.3307	4.325	4.3138
24	**AN 24**	**W 24**	2.80	4.7244	4.716	4.7048
26	**AN 26**	**W 26**	3.90	5.1181	5.106	5.0948
28	**AN 28**	**W 28**	4.30	5.5118	5.497	5.4858
30	**AN 30**	**W 30**	5.40	5.9055	5.888	5.8768
32	**AN 32**	**W 32**	6.15	6.2992	6.284	6.2688
34	**AN 34**	**W 34**	7.55	6.6929	6.659	6.6438
36	**AN 36**	**W 36**	8.25	7.0866	7.066	7.0508
38	**AN 38**	**W 38**	8.80	7.4803	7.472	7.4568
40	**AN 40**	**W 40**	9.70	7.8740	7.847	7.8318
44	**N 44**	**W 44**	13.50	8.6614	8.628	8.6128

*For bearings in series 232, larger than a 23244, use locknuts and lockplates on pages 436 and 437.

Consult SKF USA Inc. prior to design change or order placement.



How to order	Specify
AN 21	Locknut
W 21	Lockwasher

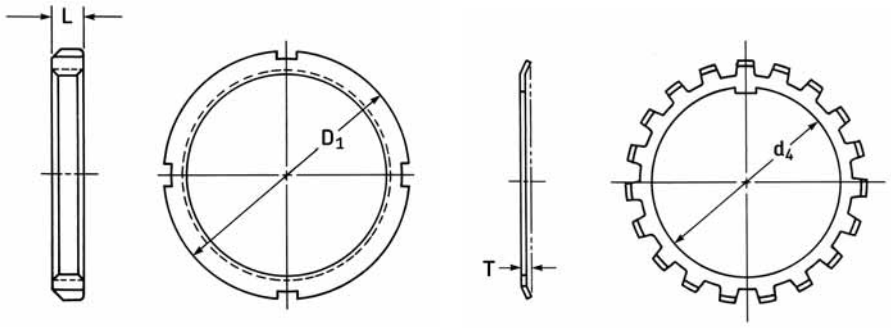
All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

Dimensions												
Thread pitch dia. d_2		Threads per	d_1	C	G	I	E	F	Locknut		Lockwasher	
max	min	inch	max	+1/16 –0	+1/32 –0	+1/16 –0	+1/16 –0	+1/64 –0	D_1	L	T	d_4
			in									
4.0679	4.0596	12	3 15/16	7/8	1 3/16	5/32	3/8	5/32	5 7/16	3/4	0.094	4.207
4.2709	4.2626	12	4 3/16	29/32	1 7/32	5/32	3/8	3/16	5 23/32	25/32	0.125	4.410
4.6619	4.6536	12	4 9/16	15/16	1 1/4	5/32	3/8	3/16	6 1/8	13/16	0.125	4.816
5.0519	5.0436	12	4 15/16	1	1 5/16	5/32	1/2	3/16	6 3/4	7/8	0.125	5.209
5.4429	5.4346	12	5 5/16	1 1/16	1 3/8	5/32	5/8	3/16	7 3/32	15/16	0.125	5.600
5.8339	5.8256	12	5 3/4	1 1/8	1 1/2	5/32	5/8	7/32	7 11/16	31/32	0.156	6.001
6.2028	6.1937	8	6 1/8	1 3/16	1 9/16	1/4	5/8	15/64	8 1/16	1 1/32	0.156	6.407
6.5778	6.5687	8	6 1/2	1 7/32	1 19/32	1/4	3/4	15/64	8 21/32	1 1/16	0.156	6.782
6.9848	6.9757	8	6 29/32	1 1/4	1 5/8	1/4	3/4	15/64	9 1/16	1 3/32	0.156	7.189
7.3908	7.3817	8	7 5/16	1 9/32	1 21/32	1/4	3/4	15/64	9 15/32	1 1/8	0.156	7.595
7.7658	7.7544	8	7 11/16	1 11/32	1 23/32	1/4	7/8	15/64	9 27/32	1 3/16	0.156	8.000
8.5468	8.5347	8	8 5/16	1 3/8	1 9/16	1/4	1 1/16	3/8	11	1 1/4	0.156	8.719

*For bearings in series 232, larger than a 23244, use locknuts and lockplates on pages 436 and 437.

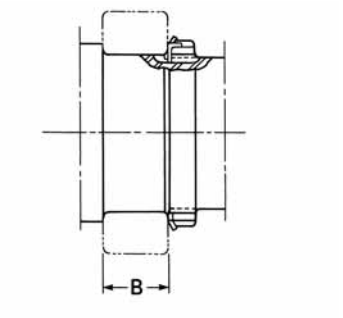
Accessories (inch series)

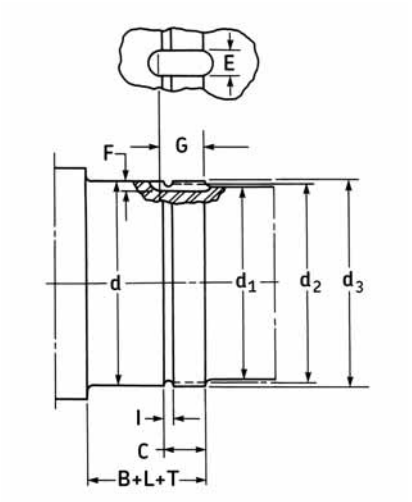
Light section
Locknuts, lockwashers and lockplates
Bearing series 230, 231, 23248 and larger



How to order	Specify
N 022	Locknut
W 022	Lockwasher

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

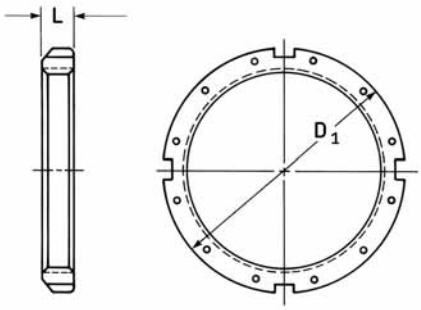




(B+L+1/4" for N 048-N 076)

Bearing size	Designations		Combined mass	Shaft dimensions		
	Locknut	Lockwasher		d	Threads major dia. d_3 max	min
			lbs	in		
22	**N 022**	**W 022**	1.75	4.3307	4.325	4.3138
24	**N 024**	**W 024**	1.90	4.7244	4.716	4.7048
26	**N 026**	**W 026**	2.65	5.1181	5.106	5.0948
28	**N 028**	**W 028**	2.60	5.5118	5.497	5.4858
30	**N 030**	**W 030**	3.65	5.9055	5.888	5.8768
32	**N 032**	**W 032**	4.15	6.2992	6.284	6.2688
34	**N 034**	**W 034**	4.50	6.6929	6.659	6.6438
36	**N 036**	**W 036**	4.80	7.0866	7.066	7.0508
38	**N 038**	**W 038**	6.65	7.4803	7.472	7.4568
40	**N 040**	**W 040**	7.65	7.8740	7.847	7.8318
44	**N 044**	**W 044**	9.25	8.6614	8.628	8.6128
48	**N 048**	**PL 48**	13.0	9.4488	9.442	9.4218
52	**N 052**	**PL 52**	15.0	10.2362	10.192	10.1718
56	**N 056**	**PL 56**	17.0	11.0236	11.004	10.9838
60	**N 060**	**PL 60**	23.0	11.8110	11.785	11.7648
64	**N 064**	**PL 64**	26.0	12.5984	12.562	12.5418
68	**N 068**	**PL 68**	29.5	13.3858	13.303	13.2870
72	**N 072**	**PL 72**	30.0	14.1732	14.134	14.1180
76	**N 076**	**PL 76**	41.0	14.9606	14.921	14.9050
80	**N 080**	**PL 80**	46.0	15.7480	15.709	15.6930
84	**N 084**	**PL 84**	49.0	16.5354	16.496	16.4800
88	**N 088**	**PL 88**	66.5	17.3228	17.283	17.2670
92	**N 092**	**PL 92**	68.5	18.1102	18.071	18.0550
96	**N 096**	**PL 96**	71.5	18.8976	18.858	18.8420
1500	**N 500**	**PL 500**	79.0	19.6460	19.646	19.6440
1530	**N 530**	**PL 530**	107.0	20.8270	20.827	20.8070

Consult SKF USA Inc. prior to design change or order placement.



Lockplate and capscrew

How to order	Specify
N 022	Locknut
W 022	Lockwasher

All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

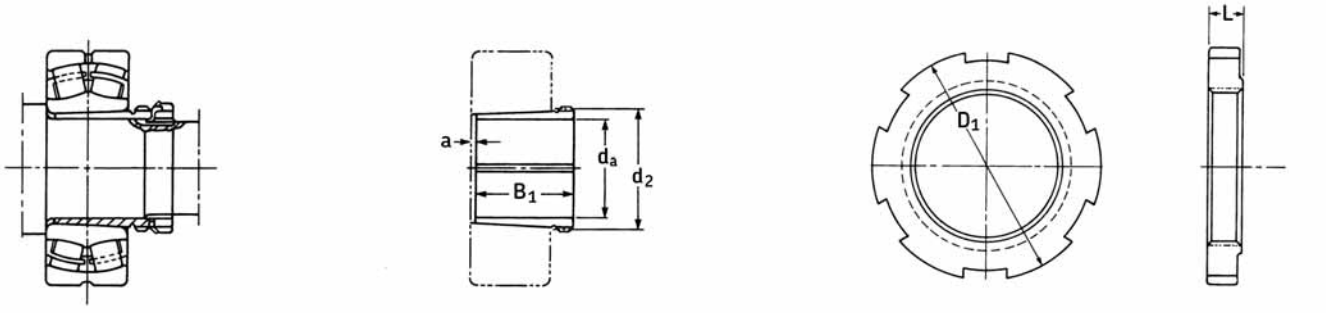
Dimensions

Thread pitch dia. d_2 max	Thread pitch dia. d_2 min	Threads per inch	d_1 max	C +1/64 –0	G +1/32 –0	I +1/64 –0	E +1/64 –0	F +1/64 –0	Locknut D_1	Locknut L	Lockwasher T	Lockwasher d_4
			in									
4.2709	4.2626	12	4 3/16	29/32	1 7/32	5/32	3/8	3/16	5 5/16	25/32	0.125	4.410
4.6619	4.6536	12	4 9/16	15/16	1 1/4	5/32	3/8	3/16	5 11/16	13/16	0.125	4.816
5.0519	5.0436	12	4 15/16	1	1 5/16	5/32	1/2	3/16	6 1/8	7/8	0.125	5.209
5.4429	5.4346	12	5 5/16	1 1/16	1 3/8	5/32	5/8	3/16	6 1/2	15/16	0.125	5.600
5.8339	5.8256	12	5 23/32	1 1/8	1 1/2	5/32	5/8	7/32	7 1/8	31/32	0.125	6.000
6.2028	6.1937	8	6 1/8	1 3/16	1 9/16	1/4	5/8	15/64	7 1/2	1 1/32	0.125	6.407
6.5778	6.5687	8	6 1/2	1 7/32	1 19/32	1/4	3/4	15/64	7 7/8	1 1/16	0.125	6.782
6.9848	6.9757	8	6 9/32	1 1/4	1 5/8	1/4	3/4	15/64	8 1/4	1 3/32	0.125	7.189
7.3908	7.3817	8	7 5/16	1 9/32	1 21/32	1/4	3/4	15/64	8 11/16	1 1/8	0.125	7.595
7.7658	7.7544	8	7 11/16	1 11/32	1 23/32	1/4	7/8	15/64	9 7/16	1 3/16	0.125	8.000
8.5468	8.5347	8	8 5/16	1 3/8	1 9/16	1/4	1 1/16	3/8	10 1/4	1 1/4	0.125	8.719
											Capscrew size	
9.3337	9.3123	6	9 3/16	1 23/32	1/2	1/4	1 1/8	7/16	11 7/16	1 11/32	5/16-18 x 5/8	
10.0837	10.0707	6	9 15/16	1 25/32	1/2	1/4	1 3/16	7/16	12 3/16	1 13/32	5/16-18 x 5/8	
10.8957	10.8827	6	10 3/4	1 7/8	1/2	1/4	1 1/4	7/16	13	1 1/2	5/16-18 x 5/8	
11.6767	11.6637	6	11 1/2	1 15/16	1/2	1/4	1 3/8	7/16	14 3/16	1 9/16	3/8-16 x 3/4	
12.4537	12.4402	6	12 5/16	2 1/32	1/2	1/4	1 7/16	7/16	15	1 21/32	3/8-16 x 3/4	
13.203	13.187	5	13 1/16	2 5/32	1/2	1/4	1 1/2	7/16	15 3/4	1 25/32	3/8-16 x 3/4	
14.034	14.018	5	13 13/16	2 5/32	1/2	1/4	1 1/2	1/2	16 1/2	1 25/32	3/8-16 x 3/4	
14.821	14.805	5	14 5/8	2 9/32	1/2	1/4	1 1/2	1/2	17 3/4	1 29/32	1/2-13 x 7/8	
15.609	15.593	5	15 3/8	2 7/16	1/2	1/4	1 5/8	1/2	18 1/2	2 1/16	1/2-13 x 7/8	
16.396	16.380	5	16 3/16	2 7/16	1/2	1/4	1 5/8	1/2	19 5/16	2 1/16	1/2-13 x 7/8	
17.183	17.167	5	17	2 3/4	1/2	1/4	1 13/16	1/2	20 1/2	2 3/8	5/8-11 x 1	
17.971	17.955	5	17 3/4	2 3/4	1/2	1/4	1 13/16	1/2	21 1/4	2 3/8	5/8-11 x 1	
18.758	18.742	5	18 1/2	2 3/4	1/2	1/4	1 13/16	1/2	22 1/16	2 3/8	5/8-11 x 1 1/4	
19.546	19.530	5	19 1/4	3 9/64	1/2	1/4	1.812	1/2	22 13/16	2 11/16	5/8-11 x 1 1/4	
20.702	20.682	4	20 1/4	3 9/64	1/2	1/4	1.812	1/2	24 13/16	2 11/16	5/8-11 x 1 1/4	

Consult SKF USA Inc. prior to design change or order placement.

Withdrawal sleeves, removal nuts

Bearing series 13 and 222

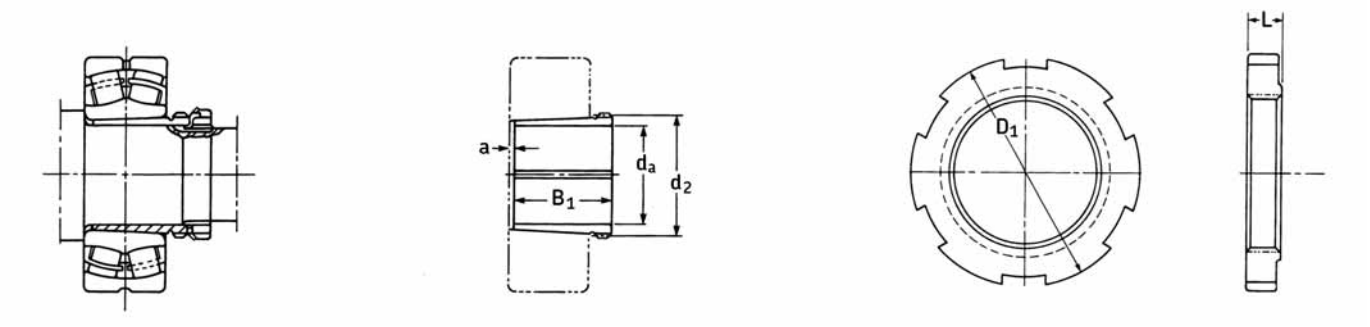


All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

Bearing[4] size	Designations				Mass	Dimensions						
	Sleeve	Locknut	Lock-washer	Removal nut		d_a	B_1	a[5]	D_1	L	Mean thread pitch diameter d_2	Threads[3] per inch
—	—	—	—	—	lb	in	in	in	in	—	—	—
08	SK 8	N 07	W 07	N 09	0.16	1.377	1.181	0.098	2 17/32	7/16	1.7277	18
09	SK 9	N 08	W 08	N 10	0.22	1.574	1.260	0.098	2 11/16	1/2	1.9277	18
10	SK 10	N 09	W 09	RN 10	0.25	1.771	1.378	0.118	3 9/32	9/16	2.1644	18
11	SK 11	N 10	W 10	RN 11	0.31	1.968	1.457	0.118	3 1/2	9/16	2.3674	18
12	SK 12	N 11	W 11	RN 12	0.41	2.164	1.575	0.138	3 23/32	5/8	2.5864	18
13	ASK 13	N 12	W 12	AN 15	0.50	2.361	1.654	0.138	3 7/8	19/32	2.8752	12
14	ASK 14	N 12	W 12	AN 16	0.94	2.361	1.732	0.138	4 5/32	19/32	3.0790	12
15[1]	SK 2215	N 13	W 13	AN 17	1.25	2.558	1.732	0.138	4 13/32	5/8	3.2812	12
16[2]	SK 2216	N 14	W 14	AN 18	1.25	2.755	1.732	0.138	4 23/32	11/16	3.4682	12
17	ASK 17	AN 15	W 15	AN 19	1.45	2.952	2.047	0.138	4 15/16	23/32	3.6712	12
18	ASK 18	AN 16	W 16	AN 20	1.55	3.149	2.087	0.138	5 3/16	3/4	3.8592	12
19	ASK 19	AN 17	W 17	AN 21	1.80	3.346	2.244	0.157	5 7/16	3/4	4.0618	12
20	ASK 20	AN 18	W 18	AN 22	2.00	3.543	2.323	0.157	5 23/32	3/4	4.2648	12
21	ASK 21	AN 19	W 19	ARN 21	2.30	3.740	2.441	0.157	6	3/4	4.4988	12
22	ASK 22	AN 20	W 20	ARN 22	2.45	3.937	2.559	0.157	6 25/32	3/4	4.7178	12
24	ASK 24	AN 22	W 22	ARN 24	3.15	4.330	2.835	0.157	7 13/32	13/16	5.1248	12
26	ASK 26	AN 22	W 22	ARN 26	5.00	4.527	3.071	0.157	7 25/32	7/8	5.5618	12
28	SK 28	AN 24	W 24	RN 28	5.90	4.921	3.228	0.197	8 17/32	15/16	6.0083	8
30	SK 30	AN 26	W 26	RN 30	6.80	5.315	3.465	0.197	9 5/32	1	6.4143	8
32	SK 32	AN 28	W 28	RN 32	9.95	5.512	3.780	0.197	9 25/32	1	6.8363	8
34	SK 34	AN 30	W 30	RN 34	11.50	5.906	4.095	0.197	10 13/32	1 1/16	7.2423	8
36	SK 36	AN 32	W 32	RN 36	12.50	6.299	4.095	0.197	10 29/32	1 1/16	7.6643	8
38	SK 38	AN 34	W 34	RN 38	14.50	6.693	4.409	0.197	11 7/8	1 3/16	8.1019	8
40	SK 40	AN 36	W 36	N 44	16.50	7.087	4.646	0.197	11	1 1/4	8.5378	8
44	SK 44	AN 40	W 40	N 048	19.50	7.874	5.118	0.236	11 7/16	1 11/32	9.3245	6
48	SK 48	N 44	W 44	N 052	24.50	8.661	5.669	0.236	12 3/16	1 13/32	10.0742	6

1) For bearing 1315, use sleeve No. ASK 15 with length of 1.850.
2) For bearing 1316, use sleeve No. ASK 16 with length of 1.969.
3) Threads derived from the *Screw Threads Standards for Federal Services Handbook H-28* (1944) page 111, and H-28 (1957) Part 1, page 181, Class 3.
4) Last two figures of bearing designation.
5) Stickout before the sleeve is pressed into the bearing bore.

Consult SKF USA Inc. prior to design change or order placement.



All mounting accessories are manufactured in accordance with ABMA standard 8.2 latest revision. For more information on threads please consult this standard.
For recommended bearing seat tolerances see page 351.

Bearing[2] **size**	**Designations** Sleeve	Locknut	Lock-washer	Removal nut	**Mass**	**Dimensions** d_a	B_1	a[3]	D_1	L	Mean thread pitch diameter d_2	Threads[1] per inch
—	—	—	—	—	lb	in	in	in	in	—	—	—
08	SK 108	N 07	W 07	N 09	0.25	1.377	1.575	0.118	$2^{17}/_{32}$	$^{7}/_{16}$	1.7277	18
*09	SK 109	N 08	W 08	N 10	0.31	1.574	1.732	0.118	$2^{11}/_{16}$	$^{1}/_{2}$	1.9277	18
10	SK 110	N 09	W 09	RN 10	0.47	1.771	1.969	0.118	$3^{9}/_{32}$	$^{9}/_{16}$	2.1644	18
11	SK 111	N 10	W 10	RN 11	0.56	1.968	2.126	0.118	$3^{1}/_{2}$	$^{9}/_{16}$	2.3674	18
12	SK 112	N 11	W 11	RN 12	0.69	2.164	2.244	0.138	4	$^{5}/_{8}$	2.5864	18
13	ASK 113	N 12	W 12	AN 15	0.84	2.361	2.402	0.138	$3^{7}/_{8}$	$^{9}/_{32}$	2.8752	12
14	ASK 114	N 12	W 12	AN 16	1.55	2.361	2.559	0.138	$4^{1}/_{7}$	$^{19}/_{32}$	3.0790	12
15	ASK 115	N 13	W 13	AN 17	1.80	2.558	2.717	0.138	$4^{13}/_{32}$	$^{5}/_{8}$	3.2812	12
16	ASK 116	N 14	W 14	AN 18	2.00	2.755	2.835	0.138	$4^{21}/_{32}$	$^{11}/_{16}$	3.4682	12
17	ASK 117	AN 15	W 15	AN 19	2.25	2.952	2.953	0.138	$4^{15}/_{32}$	$^{23}/_{32}$	3.6712	12
18	ASK 118	AN 16	W 16	AN 20	2.55	3.149	3.150	0.138	$5^{3}/_{16}$	$^{3}/_{4}$	3.8592	12
19	ASK 119	AN 17	W 17	AN 21	2.95	3.346	3.346	0.157	$5^{7}/_{16}$	$^{3}/_{4}$	4.0618	12
20	ASK 120	AN 18	W 18	AN 22	3.40	3.543	3.543	0.157	$5^{23}/_{32}$	$^{25}/_{32}$	4.2648	12
21	ASK 121	AN 19	W 19	ARN 21	3.90	3.740	3.701	0.157	6	$^{3}/_{4}$	4.4988	12
22	ASK 122	AN 20	W 20	ARN 22	4.25	3.937	3.858	0.157	$6^{5}/_{7}$	$^{3}/_{4}$	4.7178	12
24	ASK 124	AN 22	W 22	ARN 24	5.00	4.330	4.134	0.157	$7^{13}/_{32}$	$^{13}/_{16}$	5.1248	8
26	ASK 126	AN 22	W 22	ARN 26	8.00	4.527	4.523	0.157	$7^{25}/_{32}$	$^{7}/_{8}$	5.5618	8
28	SK 128	AN 24	W 24	RN 28	9.50	4.921	4.921	0.197	$8^{17}/_{32}$	$^{5}/_{16}$	6.0083	8
30	SK 130	AN 26	W 26	RN 30	11.50	5.315	5.512	0.197	$9^{5}/_{32}$	1	6.8363	8
32	SK 132	AN 28	W 28	RN 32	15.50	5.512	5.512	0.236	$9^{25}/_{32}$	1	6.8363	8
34	SK 134	AN 30	W 30	RN 34	17.50	5.906	5.748	0.236	$10^{13}/_{32}$	$1^{1}/_{16}$	7.2423	8
36	SK 136	AN 32	W 32	RN 36	20.50	6.299	6.063	0.236	$10^{29}/_{32}$	$1^{1}/_{16}$	7.6643	8
38	SK 138	AN 34	W 34	RN 38	22.00	6.693	6.299	0.276	$11^{7}/_{16}$	$1^{3}/_{16}$	8.1019	8
40	SK 140	AN 36	W 36	N 44	25.50	7.087	6.693	0.276	11	$1^{1}/_{4}$	8.5378	8
44	SK 144	AN 40	W 40	N 48	29.50	7.874	7.126	0.315	$11^{7}/_{16}$	$1^{11}/_{32}$	9.3245	6
48	SK 148	N 44	W 44	N 052	34.00	8.661	7.441	0.315	$12^{3}/_{16}$	$1^{13}/_{32}$	10.0742	6

1) Threads derived from the *Screw Threads Standards for Federal Services Handbook H-28* (1944) page 111, and H-28 (1957) Part 1, page 181, Class 3.
2) Last two figures of bearing designation.
3) Stickout before the sleeve is pressed into the bearing bore.