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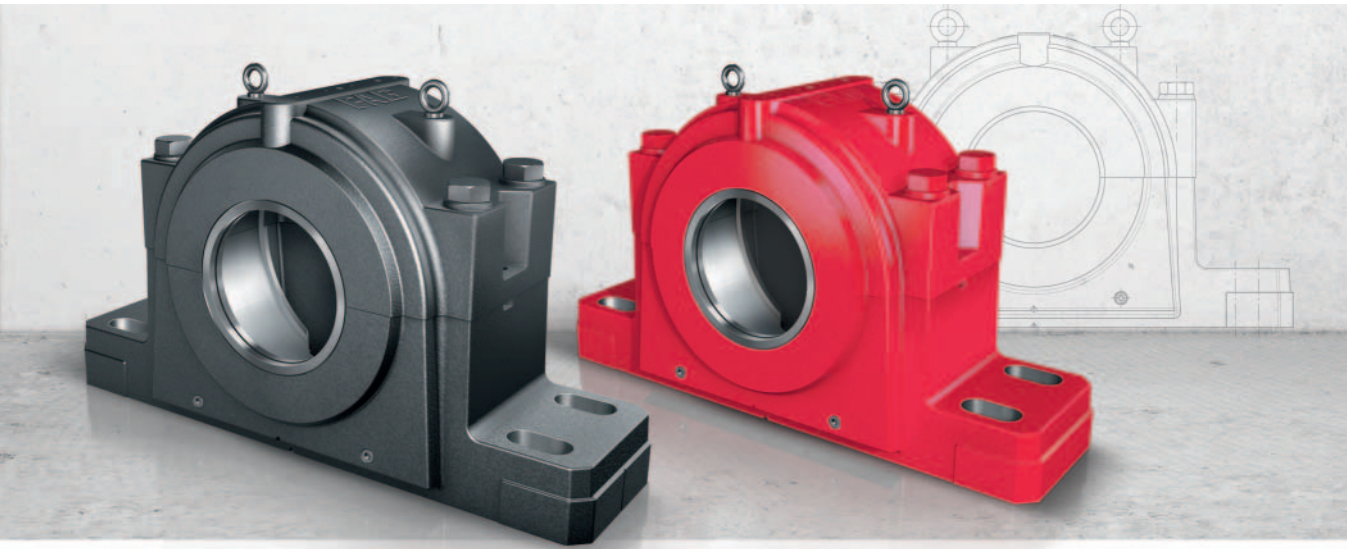


Split Pillow Block Housings SAF

For shaft diameters from $1\,^{3}/_{8}$ inches to 8 inches

SCHAEFFLER

Foreword

New generation of housings

The new generation of SAF split pillow block housings has been completely redesigned to deliver maximum benefits to the user, while maintaining mounting dimensions that ensure interchangeability with previous versions, compatibility with other manufacturers' products, and adherence to industry standards.

Advantages

The most important advantages of the newly developed pillow block housings SAF can be summarized as follows:

- The housing has higher strength due to the improved housing design, developed using modern calculation methods. This gives higher security against failure of the housing due to overload.
- The housing material can be selected in accordance with the requirements of the application, always giving the most economical solution.
- Stockholding is simplified with the ordering of housings in a universal design, since the housing delivery includes standard seals, locating ring, endcover and grease fitting.
- They are suitable for spherical roller bearings 222..-K as well as for split spherical roller bearings 222S.
- Due to the range of seal variants, the correct seal can be selected taking account of the environmental conditions.
- Marks indicating the center of the housing as well as machined locating faces allow rapid and precise alignment of the housing.
- Several predefined mounting points give easier mounting of sensors for condition monitoring and connection of the lubricant supply to the housing.
- Serial numbers marked on the housing cap and base ensure that the upper and lower housing sections are correctly matched during assembly.

Schaeffler systems competence

As one of the world's leading rolling bearing manufacturers, Schaeffler offers proven bearing solutions for a very wide range of applications. The new generation of split pillow block housings SAF makes a further contribution to providing our customers with reliable, economical solutions.

Contents

Pillow block housings

Split

Gray cast iron

SAF, FSAF

Ductile cast iron

SAFD, FSAFD

Accessories

Labyrinth seals
Taconite seals

LER

TA

Endcovers
Locating rings

EC

SR

Split pillow block housings SAF

Features

Split pillow block housings SAF and the associated bearings form bearing arrangement units that can be matched, through the appropriate selection of accessories, to a wide range of applications. The housings are specifically designed for inch size shaft center heights.

Universal design

If a housing of the universal design SAF..U is ordered, the delivery includes not only the housing but also the following accessories:

- 2 labyrinth seals,
  suitable for the inch size standard shaft diameter appropriate to the specific housing
- 1 locating ring,
  suitable for the spherical roller bearing 222..-K appropriate to the housing
- 1 endcover
- selection of grease fittings.

Thanks to these accessories included in the scope of delivery, it is possible to realize the following arrangements in any combination:

- locating or non-locating bearing arrangement
- continuous shaft (housing open on both sides) or non-continuous shaft (housing closed on one side).

Suitable bearings

The dimensions of split pillow block housings SAF are matched to spherical roller bearings 222..-K, see table. The range of shaft diameters is $1^{3}/_{8}$ inch to 8 inch.

Bearing type and sizes

Bearing type	Size
Spherical roller bearing With tapered bore and adapter sleeve	22209..-K to 22244..-K

Other bearings that can be mounted in split pillow block housings SAF:

- Split spherical roller bearings 222S, *Figure 6*, page 18.

Further information

- Spherical roller bearings:
  Catalog HR 1, Rolling Bearings
- Split spherical roller bearings:
  TPI 250, Split Spherical Roller Bearings.

Housing materials and corrosion protection

The standard material for the housing bodies is gray cast iron in accordance with ASTM A48 Class 35. These housings have a gray paint coating (color RAL 7016, anthracite gray).

Ductile cast iron in accordance with ASTM A536 Grade 65-45-12 is also available as a housing material. In this case, the designation includes the additional letter D to indicate ductile cast iron as the material. The paint coating of the housings SAFD is red (color RAL 3020, traffic red).

Due to the different paint colors, it is possible to distinguish easily and clearly between housings made from gray cast iron and ductile cast iron. A universal coating is used that can be finished using all synthetic resin, polyurethane, acrylic, epoxy resin, chlorinated rubber, nitrocellulose and acid-hardening hammer tone finishes.

Schaeffler applies corrosion inhibitor to the machined inner and outer surfaces of each SAF housing. If desired, this protective coating can be easily removed.

Locating and non-locating bearings

The bearing seats in the housing are machined such that the bearings are movable and can thus function as non-locating bearings. Locating bearing arrangements can be achieved by the insertion of a locating ring SR.

Size-specific housing features

The design configuration of the housings varies in some respects as a function of the housing size, see table.

Housing sizes and features

Housing Size	Base mounting bolt design, 2 or 4 slots Quantity	Cap bolts Quantity	Eye bolts Quantity
SAF509	2 (SAF)	2	–
SAF510			
SAF511			
SAF513			
SAF515	2 (SAF) or 4 (FSAF)		
SAF516			
SAF517		4	
SAF518			
SAF520			
SAF522	4 (SAF)		2
SAF524			
SAF526			
SAF528			
SAF530			
SAF532			
SAF534			
SAF536			
SAF538			
SAF540			
SAF544			

Seals and endcovers

For sealing of the bearing housings, the standard seals available are the labyrinth seal and the taconite seal. These seals are matched with the radial labyrinth grooves in each side of the housing.

Labyrinth seals LER

Through the use of labyrinth seals LER, contact-free sealing is achieved. They are therefore suitable for high speeds.
The O ring made from NBR that is pressed in between the labyrinth ring and shaft is suitable for temperatures up to +100 °C.

Labyrinth seals allow shaft misalignment of up to 0.3° in both directions and are suitable for grease lubrication. If necessary, the labyrinth can be relubricated. For this purpose, a lubrication hole must be made in the upper housing section for each labyrinth seal. The optimum positions are indicated by cast-in pilot holes on the top of the housing.

Labyrinth seals for standard shaft diameters are included in the scope of delivery of a housing of universal design.
Labyrinth seals for shaft diameters other than standard must be ordered separately. If a continuous shaft is present, two seals must be ordered.

Taconite seals TA

Taconite seals TA comprise two rings, of which one is located in the housing and the other on the shaft. Between these rings, an axial and radial labyrinth is formed and the effectiveness of the latter is increased by means of two spiral rings. Due to the non-contact sealing, taconite seals are suitable for high speeds. The two O rings made from NBR with static operation are suitable for temperatures up to +100 °C.

Taconite seals are specially designed for extreme operating conditions, which are characterized by heavy contamination and exposure to abrasive particles.

Taconite seals allow shaft misalignment of up to 0.5° in both directions and are suitable for grease lubrication. For relubrication, the seals are fitted with a grease fitting.

The seals must be ordered separately. They are supplied individually. If a continuous shaft is present, two seals must be ordered.

Endcovers EC

Endcovers EC are used with housings closed on one side. The endcover fits into the radial labyrinth groove in either side of the housing. They are suitable for temperatures up to +100 °C.

The scope of delivery of a housing of universal design includes 1 endcover.

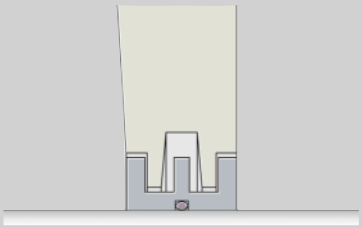
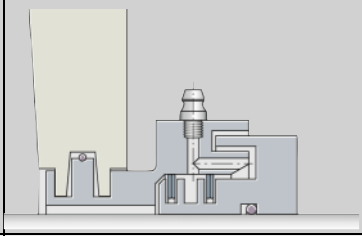
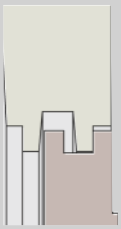
Characteristics and operating ranges

The characteristics and operating ranges of the standard seals and endcovers are compared in an overview, see table, page 12.

Standard seals and endcovers for pillow block housings SAF

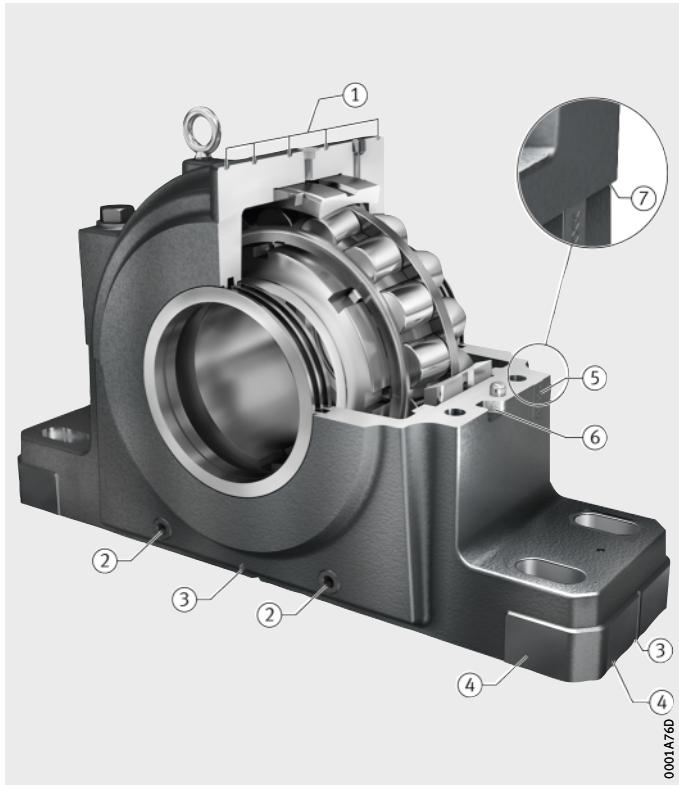
Seal or endcover		
Designation		
Material		
Pieces per pack		
Suitability for sealing against		
Dust		
Fine solid particles		
Coarse solid particles		
Slivers		
Spray liquids		
Operating range		
Long term temperature	°C	
	°F	
Circumferential velocity	m/s	
Misalignment	°	
Low friction		
Axial shaft displacement (suitability as non-locating bearing)		
Vertical arrangement		
Suitability for grease relubrication		
Suitability for oil lubrication		
Compatibility with sunlight		
Preconditions		
Shaft diameter tolerance		
Shaft roughness	µm	

++ Highly suitable
+ Suitable
(+) Suitable with restrictions
– Not suitable

Labyrinth seal	Taconite seal	Endcover
		
LER	**TA**	**EC**
Aluminum, NBR	Steel (black oxide coated), NBR	NBR
1	1	1
(+)	++	++
+	++	++
+	++	++
++	++	++
–	++	++
–40 to +100 (due to NBR)	–40 to +100 (due to NBR)	–40 to +100 (due to NBR)
–40 to +210 (due to NBR)	–40 to +210 (due to NBR)	–40 to +210 (due to NBR)
No restriction	No restriction	Not applicable
≦ 0.3	≦ 0.5	Not applicable
++	+	Not applicable
+	+	Not applicable
(+)	(+)	++
+	++	++
(+)	–	+
++	++	++
h8 (h9)	h8 (h9)	Not applicable
Ra 3.2	Ra 3.2	Not applicable

Advantages of the detailed design

The new generation of split pillow block housings SAF has numerous design details that give advantages in the mounting, operation and maintenance of the housings, *Figure 1*.



① Marked connection points for lubricant supply and condition monitoring
② Grease outlet holes
③ Indentations indicating housing center
④ Machined locating faces
⑤ Serial numbering of housing halves
⑥ Dismounting notches
⑦ Overhang of upper housing section

Figure 1
Advantages of the detailed design

Marked connection points for lubricant supply and condition monitoring

Cast-in pilot holes in the upper housing section and threaded holes with closing plugs indicate the positions that are particularly suitable for connection of the lubricant supply and the mounting of sensors for condition monitoring, *Figure 1*, ①. As a result, the attachment of these systems is easier and correct positioning is ensured.

For condition monitoring, it is possible to connect FAG SmartCheck, a modular online measuring system for machinery monitoring or other sensors for vibration monitoring.

FAG SmartCheck must be ordered separately.
For detailed information, see TPI 214, FAG SmartCheck or www.schaeffler.de/std/1B6C.

Grease outlet holes

A total of 4 grease outlet holes, 2 on each side of the lower housing section, allows the egress of used and superfluous grease during relubrication, *Figure 1*, ②. Due to the large number of grease outlet holes, it is highly probable that at least one of the grease outlet holes is accessible even if the design envelope is restricted.

Indentations indicating the housing center

Indentations on the end faces and lateral faces of the lower housing section indicate the housing center, *Figure 1*, ③. This allows rapid alignment and reduces mounting time.

Machined locating faces

Machined locating faces on the lower housing section allow precise alignment of the housing, *Figure 1*, ④.

Serial numbering of housing halves

Serial numbers marked on the housing cap and base ensure that the upper and lower housing sections are correctly matched during assembly, *Figure 1*, ⑤. Product traceability and documentation are also simplified.

Dismounting notches

Recessed dismounting notches on the interface of the housing halves make it easier to remove the upper housing section, *Figure 1*, ⑥.

Overhang of upper housing section

The overhang of the upper housing section prevents the collection of fluids and contaminants at the interface of the two housing halves, *Figure 1*, ⑦. This reduces the risk that contamination can enter the housing at this point. The risk of corrosion is also reduced.

Housing configurations

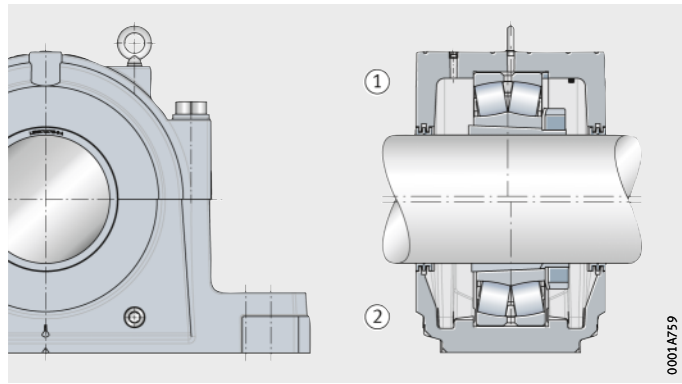
The modular structure of pillow block housings SAF facilitates numerous possible combinations.

Possible combinations with housings of universal design

Based on the components that are included in the scope of delivery of a housing of universal design SAF..U, combinations are possible taking account of the following points:

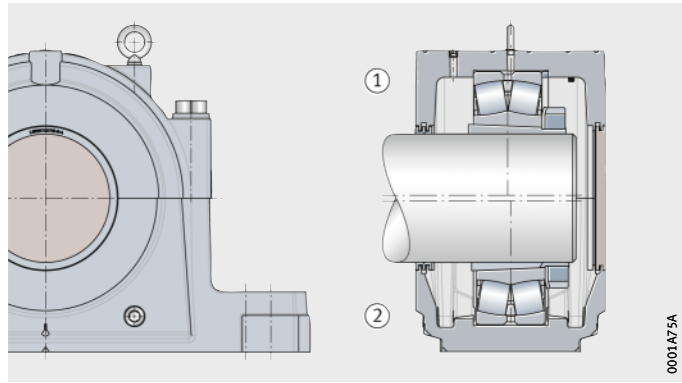
- location of spherical roller bearings 222..-K with a tapered bore by means of an adapter sleeve on a smooth shaft
- inch size standard shaft diameter:
  – sealing of housing by means of labyrinth seals
- design of the bearing arrangement as a locating bearing arrangement or a non-locating bearing arrangement
- continuous shaft (housing open on both sides) or non-continuous shaft (housing closed on one side)
- spherical roller bearing in a split or unsplit design.

Even with one housing of universal design, a wide range of housing configurations can be realized, *Figure 2* and *Figure 3*.



① Locating bearing
② Non-locating bearing

Figure 2
Pillow block housing SAF for bearing with tapered bore and adapter sleeve (2 labyrinth seals LER)



① Locating bearing
② Non-locating bearing

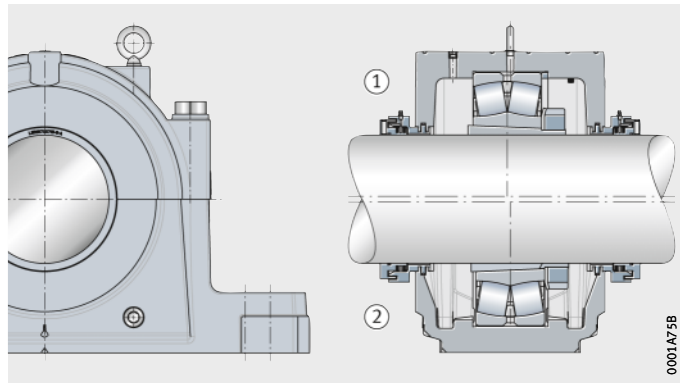
Figure 3
Pillow block housing SAF for bearing with tapered bore and adapter sleeve (labyrinth seal LER and endcover EC)

Possible combinations with other accessories

As further accessories, additional sealing variants and seals of additional dimensions are available:

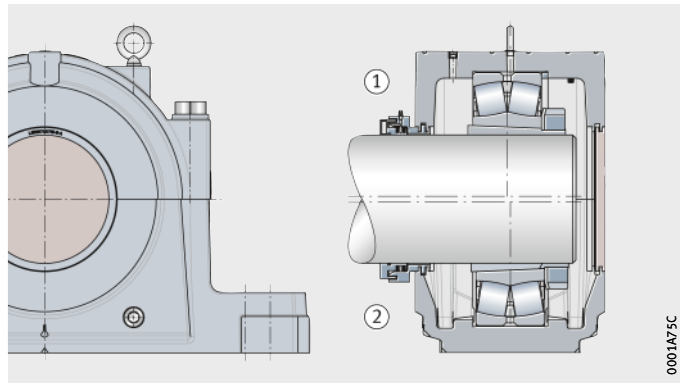
- taconite seals for standard shaft diameters and shaft diameters other than standard, for inch size and metric shafts
- labyrinth seals for shaft diameters other than standard, for inch size and metric shafts.

The further accessories facilitate additional housing configurations, *Figure 4* and *Figure 5*.



① Locating bearing
② Non-locating bearing

Figure 4
Pillow block housing SAF
for bearing with tapered bore and adapter sleeve
(2 taconite seals TA)



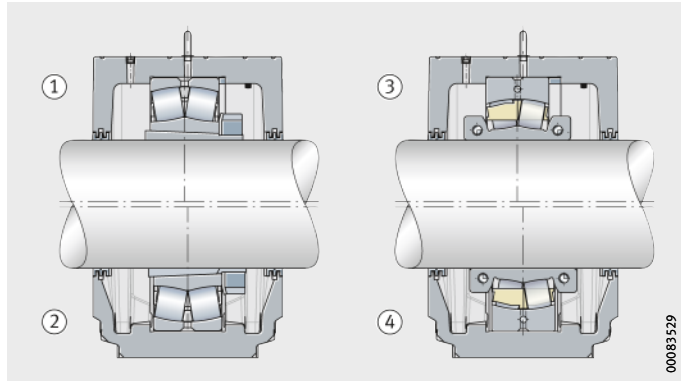
① Locating bearing
② Non-locating bearing

Figure 5
Pillow block housing SAF
for bearing
(taconite seal TA and endcover EC)

Split pillow block housings SAF

Mounting of split spherical roller bearings

In the case of pillow block housings SAF, an unsplit spherical roller bearing with a tapered bore and adapter sleeve can be replaced by a split spherical roller bearing 222S, *Figure 6*.



① Locating bearing with unsplit bearing
② Non-locating bearing with unsplit bearing
③ Locating bearing with split bearing
④ Non-locating bearing with split bearing

Figure 6
Pillow block housings SAF with split and unsplit spherical roller bearing

Lubrication

Split pillow block housings SAF are principally intended for grease lubrication. If the labyrinth seal LER is used, however, oil bath lubrication is also possible.

Lubricating greases

In order to achieve a long operating life and high operational reliability of the bearing arrangement, we recommend the use of the rolling bearing greases Arcanol. These have been designed and tested for bearing arrangement engineering.

Grease quantities

For initial greasing, the basic rule is that the bearing should be filled with grease to 100% and the free volume of the housing to 60%. This is the basis for the recommended grease quantities, see table. The free volume is the space that remains in the housing once the bearing, adapter sleeve, shaft and seals have been fitted.

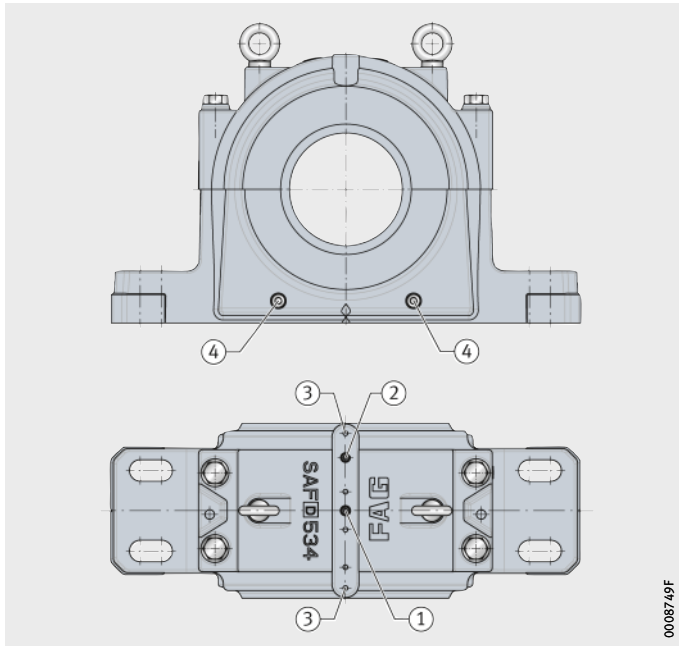
Recommended grease quantity

Housing Size	Bearing	Grease quantity Initial greasing ≈ g
SAF509	22209..-K	85
SAF510	22210..-K	110
SAF511	22211..-K	140
SAF513	22213..-K	220
SAF515	22215..-K	250
SAF516	22216..-K	370
SAF517	22217..-K	375
SAF518	22218..-K	400
SAF520	22220..-K	600
SAF522	22222..-K	800
SAF524	22224..-K	1 130
SAF526	22226..-K	1 475
SAF528	22228..-K	1 500
SAF530	22230..-K	1 700
SAF532	22232..-K	1 930
SAF534	22234..-K	2 400
SAF536	22236..-K	2 700
SAF538	22238..-K	3 390
SAF540	22240..-K	3 900
SAF544	22244..-K	5 200

Relubrication

Where relubrication is carried out on bearings with a circumferential lubrication groove, the grease is introduced into the housing via the central lubrication hole, *Figure 7*, page 20, ①. The screw plug must therefore be removed from the upper housing section and permanently replaced by one of the grease fittings supplied.
In this type of relubrication, the grease acts directly on the bearing raceway.

In the lower housing section, both sides of the housing each have two grease outlet holes with screw plugs, *Figure 7*, page 20, ④.
In order to prevent overgreasing, at least one of these screw plugs on each side of the housing must be removed for the duration of relubrication. This allows used grease to escape. The grease outlet holes must then be closed off again using the screw plugs.



① Central lubrication hole, for bearings with lubrication groove
② Lateral lubrication hole, for bearings without lubrication groove
③ Positions for relubrication of labyrinth seals
④ Grease outlet holes (2 pieces per side)

Figure 7
Positions for relubrication

When relubricating bearings that do not have a circumferential lubrication groove, grease is introduced via a lateral lubrication hole located in the housing's upper section, *Figure 7*, ②.
Depending on the housing size, this lubrication hole's thread size is either $^{1}/_{8}$″-27 NPT or $^{1}/_{4}$″-18 NPT. The lubrication hole is sealed with a screw plug, which must be removed and permanently replaced with one of the supplied grease fittings.

Lubrication holes can be provided at two further points for relubrication of labyrinth seals, *Figure 7*, ③.

Grease fittings with dust cap are supplied as follows:

- button head grease fitting $^{1}/_{8}$″-27 NPT or $^{1}/_{4}$″-18 NPT
- taper type grease fitting $^{1}/_{8}$″-27 NPT or $^{1}/_{4}$″-18 NPT.

In order to prevent overgreasing, at least one of the screw plugs in the grease outlet holes in the lower housing sections must be removed for the duration of relubrication. For optimum relubrication, the screw plug on the opposite side of the grease inlet is removed in order to facilitate the movement of fresh grease through the bearing.

If unfavorable environmental conditions are present, there is therefore a risk of contaminant ingress into the housing when the grease outlet holes are opened.

Designation structure

Designation structure for split pillow block housings SAF and accessories, see tables and *Figure 8* to *Figure 11*, page 23.

Designation structure of pillow block housings SAF

Feature		Code	Description
①	Number of extended slots for base mounting bolts	No code	SAF509 to SAF520: ▫ 2 extended slots SAF522 to SAF544: ▫ 4 extended slots
		F	FSAF515 to FSAF520: ▫ 4 extended slots
②	Series	SAF	Split pillow block housings SAF
③	Housing material	No code	Gray cast iron
		D	Ductile cast iron
④	Housing design	5	Housing suitable for: ▫ spherical roller bearings 222..-K and mounting by means of adapter sleeve ▫ split spherical roller bearings 222S
⑤	Bore code of bearing	18	Bore code, two digits: ▫ Bore diameter (18 · 5) mm = 90 mm
⑥	Standard shaft diameter	X0303	Inch size shaft diameter: ▫ 3 inch + 3 · $^{1}/_{16}$ inch = $3^{3}/_{16}$ inch
⑦	Delivered condition	No code	Only the housing body is supplied
		U	Housing is supplied in universal design

Figure 8
Designation structure of pillow block housings SAF, example

Designation structure of standard seals

Feature		Code	Description
①	Series	LER	Labyrinth seal
		TA	Taconite seal
		LERS	Labyrinth seal, split
		TAS	Taconite seal, split
②	Seal number	122	Designation according to industry standard
③	Shaft diameter	X0415	Inch size shaft diameter: 4 inch + 15 · $^{1}/_{16}$ inch = $4^{15}/_{16}$ inch
		XM125	Metric shaft diameter: 125 mm
④	O-ring on inside diameter	G	O-ring included in scope of delivery (only for labyrinth seal)
⑤	Material	No code	Steel (only for taconite seal)
		A	Aluminum
		S	Steel
		N	Non-metallic material

Figure 9
Designation structure of standard seals, examples

Designation structure of endcovers

Feature		Code	Description
①	Series	EC	Endcover for pillow block housings SAF
②	Housing design	5	Endcover for housing design 5
③	Dimension series	26	Dimension series 26, corresponding to bore code of bearing
④	Material	R	NBR

Figure 10
Designation structure of endcovers, example

Designation structure of locating rings

Characteristic		Code	Description
①	Series	SR	Locating ring
②	Designation number	20-17	Designation according to industry standard

Figure 11
Designation structure of locating rings, example

Ordering examples

When ordering a split pillow block housing SAF, it must be noted that a housing of universal design SAF..U already contains, in addition to the housing body, the accessories required for standard shaft diameters, see section Universal design, page 6. Depending on the housing configuration, it may be necessary to order further accessories separately.

Pillow block housings SAF are machined such that when the bearing is installed the result is a non-locating bearing arrangement. These can be converted into locating bearing arrangements through the additional insertion of a locating ring SR.

The ordering examples show the construction of orders for selected housing configurations and the appropriate bearings. Allocation of housings, bearings and accessories for all housing sizes, see dimension tables.

Example 1 Pillow block housing SAF made from gray cast iron, with 2 extended slots for base mounting bolts, housing closed on one side or continuous shaft, shaft of standard diameter $2^{15}/_{16}$ inch, spherical roller bearing 22217-E1-XL-K as locating or non-locating bearing, location by means of adapter sleeve (inch size thread), labyrinth seal.

Order	1 pillow block housing	SAF517X0215U
	1 spherical roller bearing	22217-E1-XL-K
	1 adapter sleeve	SNW17X0215

Example 2 Pillow block housing SAF made from ductile cast iron, with 4 extended slots for base mounting bolts, housing closed on one side, shaft diameter differing from standard of 3 inch, spherical roller bearing 22217-E1-XL-K as locating or non-locating bearing, location by means of adapter sleeve (inch size thread), labyrinth seal.

Order	1 pillow block housing	FSAFD517X0215U
	1 spherical roller bearing	22217-E1-XL-K
	1 labyrinth seal	LER54X0300-G-A
	1 adapter sleeve	SNW17X0300

Design and safety guidelines
Load carrying capacity

Guide values are stated for the rupture strength of pillow block housings SAF and the maximum load carrying capacity of the connecting screws for the upper and lower housing sections, *Figure 12* and tables, page 26 and page 28. The guide values are valid for purely static loading.

The guide values are only valid if the flatness of the mounting surface in accordance with DIN EN ISO 1101 corresponds to the tolerance grade IT7 in accordance with DIN EN ISO 286-1 (measured across the diagonal). A precondition for supporting loads is that the housing base surface is completely and rigidly supported.

When determining the permissible static load, safety factors must be applied. For general machine building, the safety factor 5 relative to the housing rupture load is normally applied.

A safety factor is not required for the values given for the load carrying capacity of the connecting screws.

If the housing is subjected to axial load, the permissible axial load of the bearing fitted must be taken into consideration. If the bearing is located on the shaft using an adapter sleeve, the axial retaining force of the bearing and adapter sleeve must also be taken into consideration.

If the load direction is between 55° and 120° or axial load is present, we recommend that the housings should be secured in the load direction by means of stops.

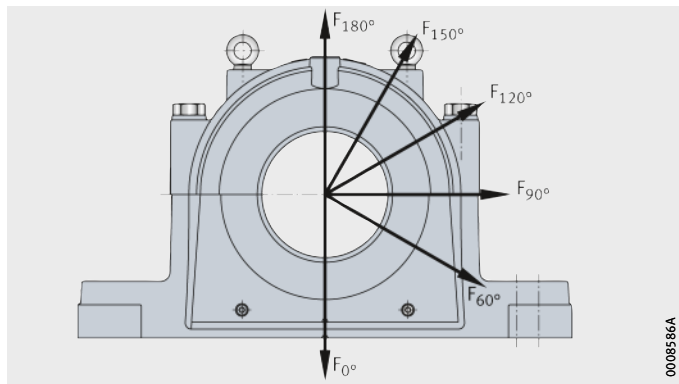


Figure 12
Load directions F
for the guide values
for the housing rupture load and
the maximum load carrying capacity
of the connecting screws

Guide values for the rupture load of housings made from gray cast iron

Housing	Housing rupture load in load direction F Housing made from gray cast iron to ASTM A48 Class 35						
	0° kN	60° kN	90° kN	120° kN	150° kN	180° kN	axial kN
SAF509	415	252	161	71	56	92	59
SAF510	492	236	147	89	97	116	59
SAF511	460	257	170	103	113	135	80
SAF513	827	261	183	112	122	145	102
SAF515	824	277	211	152	140	168	101
FSAF515	824	576	436	216	171	171	101
SAF516	855	273	208	150	138	165	132
FSAF516	855	521	402	179	159	189	132
SAF517	956	312	229	168	154	185	132
FSAF517	956	612	395	236	189	189	132
SAF518	1 047	342	251	184	169	202	146
FSAF518	1 047	694	527	258	207	262	146
SAF520	1 561	509	374	274	252	301	176
FSAF520	1 561	1 034	785	387	307	309	176
SAF522	1 636	1 086	823	405	322	325	203
SAF524	2 090	1 386	1 052	518	414	414	203
SAF526	2 882	1 911	1 450	714	569	572	247
SAF528	2 432	1 612	1 223	603	480	563	292
SAF530	2 551	1 693	1 283	632	505	505	322
SAF532	2 818	1 868	1 419	698	556	558	343
SAF534	2 762	1 833	1 390	685	545	547	426
SAF536	3 013	1 999	1 517	747	596	596	490
SAF538	2 931	1 944	1 475	727	578	580	533
SAF540	3 314	2 197	1 668	823	656	821	586
SAF544	4 863	3 225	2 449	1 208	961	963	709

Guide values for the rupture load of housings made from ductile cast iron

Housing	Housing rupture load in load direction F Housing made from ductile cast iron to ASTM A536 Grade 65-45-12						
	0° kN	60° kN	90° kN	120° kN	150° kN	180° kN	axial kN
SAFD509	614	373	238	104	83	136	87
SAFD510	728	350	217	132	144	172	87
SAFD511	681	380	252	153	167	200	118
SAFD513	1 256	396	278	169	185	221	154
SAFD515	1 256	423	322	232	214	256	154
FSAFD515	1 256	878	665	329	261	261	154
SAFD516	1 337	427	325	235	216	258	206
FSAFD516	1 337	815	629	280	249	296	206
SAFD517	1 495	488	358	262	241	289	206
FSAFD517	1 495	957	618	369	296	296	206
SAFD518	1 654	540	396	290	267	319	230
FSAFD518	1 654	1 096	832	407	327	414	230
SAFD520	2 511	819	601	441	405	485	283
FSAFD520	2 511	1 663	1 263	623	494	497	283
SAFD522	2 669	1 772	1 342	660	526	530	332
SAFD524	3 410	2 260	1 716	845	675	675	332
SAFD526	4 791	3 176	2 411	1 187	947	950	411
SAFD528	4 109	2 724	2 067	1 018	812	951	493
SAFD530	4 352	2 887	2 189	1 077	861	861	550
SAFD532	4 836	3 207	2 435	1 199	954	958	589
SAFD534	5 101	3 385	2 567	1 265	1 006	1 011	786
SAFD536	5 354	3 553	2 695	1 328	1 059	1 059	871
SAFD538	5 251	3 482	2 641	1 303	1 036	1 040	955
SAFD540	5 991	3 973	3 016	1 488	1 186	1 484	1 060
SAFD544	8 955	5 939	4 510	2 224	1 769	1 774	1 306

Tightening torques and maximum load carrying capacity of connecting screws

Housing	Connecting screws					
	Screws to ASTM A449 Grade 5	Tightening torque	Maximum load carrying capacity in load direction F[1]			
			90°	120°	150°	180°
		Nm	kN	kN	kN	kN
SAF509	7/16″-14 UNC	47	345	181	147	173
SAF510	1/2″-13 UNC	72	464	244	197	232
SAF511	1/2″-13 UNC	72	464	244	197	232
SAF513	1/2″-13 UNC	72	464	244	197	232
SAF515	5/8″-11 UNC	142	464	244	197	232
SAF516	5/8″-11 UNC	142	725	260	230	240
SAF517	5/8″-11 UNC	142	739	388	314	370
SAF518	5/8″-11 UNC	142	739	388	314	370
SAF520	5/8″-11 UNC	142	739	388	314	370
SAF522	3/4″-10 UNC	253	1 094	574	465	547
SAF524	3/4″-10 UNC	253	1 094	574	465	547
SAF526	3/4″-10 UNC	253	1 094	574	465	547
SAF528	3/4″-10 UNC	253	1 094	574	465	547
SAF530	3/4″-10 UNC	253	1 094	574	465	547
SAF532	3/4″-10 UNC	253	1 094	574	465	547
SAF534	3/4″-10 UNC	253	1 094	574	465	547
SAF536	1″-8 UNC	611	1 983	1 041	843	992
SAF538	1″-8 UNC	611	1 983	1 041	843	992
SAF540	1″-8 UNC	611	1 983	1 041	843	992
SAF544	1 1/4″-7 UNC	1 063	2 793	1 466	1 187	1 396

[1] Maximum load carrying capacity in load direction F for maintaining contact at the parting surface between the upper housing section and lower housing section.

Eye bolts

Each upper housing section of housing sizes 522 has 2 eye bolts in accordance with ANSI B18.15. These are intended as locating points for mounting and dismounting of the housing. The load carrying capacity of the eye bolts allows lifting of the housing including a bearing fitted in the housing.

Eye bolts must always be screwed fully into the housing.

The eye bolt must not be subjected to a mass greater than that of the housing together with the bearing fitted in the housing.

Base mounting bolts

Base mounting bolts are used for screw mounting of the housings to the locating surface. They are not included in the scope of delivery of the housings.

The appropriate screw size is stated for each housing, see dimension tables.

Tightening torques for base mounting bolts with unified coarse pitch thread according to ASTM A449 Grade 5, see table.

Tightening torques for base mounting bolts

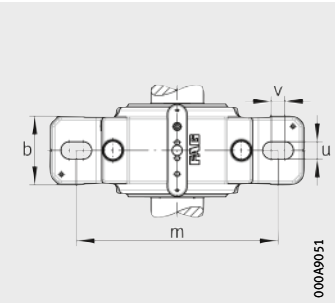
Base mounting bolts with unified coarse pitch thread according to ASTM A449 Grade 5		
Nominal screw diameter (UNC)	Tightening torque	
	max. Nm	recommended Nm
$1/2$ – 13	102	72
$5/8$ – 11	203	142
$3/4$ – 10	359	253
$7/8$ – 9	583	408
1 – 8	874	611
$1\,1/4$ – 7	1 518	1 063
$1\,1/2$ – 6	2 644	1 851

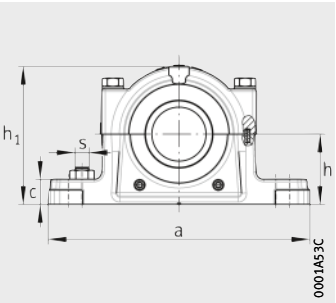
Accuracy

The bearing seat in split pillow block housings SAF is machined to G7.

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

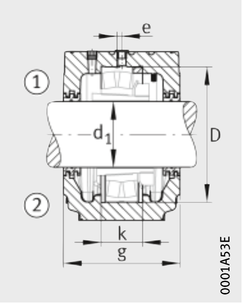




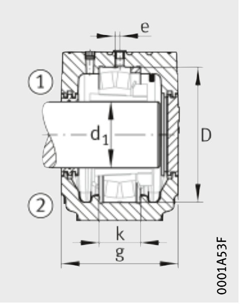
Dimension table · Dimensions in inch

Shaft		Housing						
		Dimensions						
d_1		h	h_1	g	b	c	a	m
inch	mm							
1 3/8	***34.925***	*2 1/4*	*4 3/8*	*3 7/16*	*2 3/8*	*13/16*	*8 1/4*	*6 5/8*
1 7/16	***36.513***	*2 1/4*	*4 3/8*	*3 7/16*	*2 3/8*	*13/16*	*8 1/4*	*6 5/8*
1 1/2	***38.1***	*2 1/4*	*4 3/8*	*3 7/16*	*2 3/8*	*13/16*	*8 1/4*	*6 5/8*
1 5/8	***41.275***	*2 1/2*	*4 3/4*	*3 7/16*	*2 3/8*	*15/16*	*8 1/4*	*6 3/4*
1 11/16	***42.863***	*2 1/2*	*4 3/4*	*3 7/16*	*2 3/8*	*15/16*	*8 1/4*	*6 3/4*
1 3/4	***44.45***	*2 1/2*	*4 3/4*	*3 7/16*	*2 3/8*	*15/16*	*8 1/4*	*6 3/4*
1 7/8	***47.625***	*2 3/4*	*5 1/4*	*3 3/4*	*2 3/4*	*15/16*	*9 5/8*	*7 5/8*
1 15/16	***49.213***	*2 3/4*	*5 1/4*	*3 3/4*	*2 3/4*	*15/16*	*9 5/8*	*7 5/8*
2	***50.8***	*2 3/4*	*5 1/4*	*3 3/4*	*2 3/4*	*15/16*	*9 5/8*	*7 5/8*
2 1/8	***53.975***	*3*	*5 15/16*	*4 1/4*	*3 1/8*	*1*	*11*	*8 13/16*
2 3/16	***55.563***	*3*	*5 15/16*	*4 1/4*	*3 1/8*	*1*	*11*	*8 13/16*
2 3/16	***55.563***	*3*	*5 15/16*	*4 1/4*	*3 1/8*	*1*	*11*	*8 13/16*
2 1/4	***57.15***	*3*	*5 15/16*	*4 1/4*	*3 1/8*	*1*	*11*	*8 13/16*
2 1/4	***57.15***	*3*	*5 15/16*	*4 1/4*	*3 1/8*	*1*	*11*	*8 13/16*

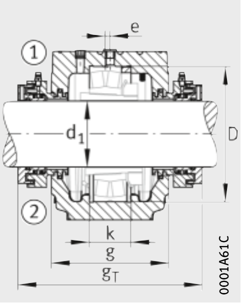
① Locating bearing; ② Non-locating bearing



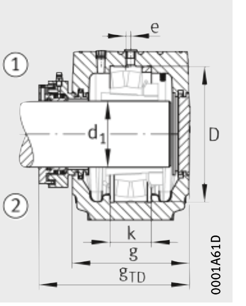
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

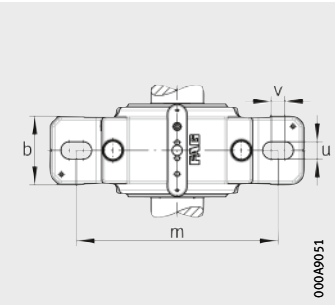


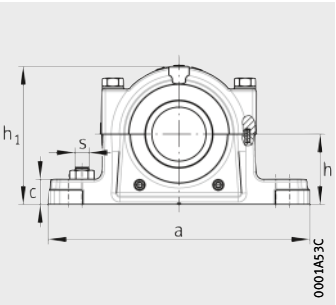
Taconite seal TA
Endcover EC

						Designation	
v	u	s	D mm	k mm	e	Gray cast iron	Ductile cast iron
1	*5/8*	*1/2*	85	29	*0.24*	**SAF509X0107U**	**SAFD509X0107U**
1	*5/8*	*1/2*	85	29	*0.24*	**SAF509X0107U**	**SAFD509X0107U**
1	*5/8*	*1/2*	85	29	*0.24*	**SAF509X0107U**	**SAFD509X0107U**
7/8	*5/8*	*1/2*	90	30	*0.35*	**SAF510X0111U**	**SAFD510X0111U**
7/8	*5/8*	*1/2*	90	30	*0.35*	**SAF510X0111U**	**SAFD510X0111U**
7/8	*5/8*	*1/2*	90	30	*0.35*	**SAF510X0111U**	**SAFD510X0111U**
1	*3/4*	*5/8*	100	31	*0.24*	**SAF511X0115U**	**SAFD511X0115U**
1	*3/4*	*5/8*	100	31	*0.24*	**SAF511X0115U**	**SAFD511X0115U**
1	*3/4*	*5/8*	100	31	*0.24*	**SAF511X0115U**	**SAFD511X0115U**
1 7/16	*3/4*	*5/8*	120	39	*0.1575*	**SAF513X0203U**	**SAFD513X0203U**
1 7/16	*3/4*	*5/8*	120	39	*0.1575*	**SAF513X0203U**	**SAFD513X0203U**
1 7/16	*3/4*	*5/8*	120	39	*0.1575*	**SAF513X0203U**	**SAFD513X0203U**
1 7/16	*3/4*	*5/8*	120	39	*0.1575*	**SAF513X0203U**	**SAFD513X0203U**
1 7/16	*3/4*	*5/8*	120	39	*0.1575*	**SAF513X0203U**	**SAFD513X0203U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

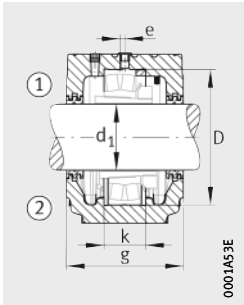




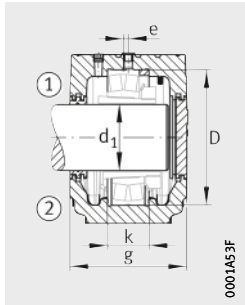
Dimension table (continued) · Dimensions in inch

Shaft d_1		Spherical roller bearing	Adapter sleeve Thread		Accessories supplied for universal design		
					Locating ring	Labyrinth seal	Endcover
			inch	metric			
inch	mm					2 pieces	
1 3/8	***34.925***	**22209..-K**	SNW09X0106	H309X106	SR-9-9	LER17X0107-G-A	EC509-R
1 7/16	***36.513***	**22209..-K**	SNW09X0107	H309X107	SR-9-9	LER17X0107-G-A	EC509-R
1 1/2	***38.1***	**22209..-K**	SNW09X0108	H309X108	SR-9-9	LER17X0107-G-A	EC509-R
1 5/8	***41.275***	**22210..-K**	SNW10X0110	H310X110	SR-10-10	LER20X0111-G-A	EC510-R
1 11/16	***42.863***	**22210..-K**	SNW10X0111	H310X111	SR-10-10	LER20X0111-G-A	EC510-R
1 3/4	***44.45***	**22210..-K**	SNW10X0112	H310X112	SR-10-10	LER20X0111-G-A	EC510-R
1 7/8	***47.625***	**22211..-K**	SNW11X0114	H311X114	SR-11-0	LER24X0115-G-A	EC511-R
1 15/16	***49.213***	**22211..-K**	SNW11X0115	H311X115	SR-11-0	LER24X0115-G-A	EC511-R
2	***50.8***	**22211..-K**	SNW11X0200	H311X200	SR-11-0	LER24X0115-G-A	EC511-R
2 1/8	***53.975***	**22213..-K**	SNW13X0202	H313X202	SR-13-0	LER29X0203-G-A	EC513-R
2 3/16	***55.563***	**22213..-K**	SNW13X0203	H313X203	SR-13-0	LER29X0203-G-A	EC513-R
2 3/16	***55.563***	**222S.203**	–	–	SR-13-0	LER29X0203-G-A	EC513-R
2 1/4	***57.15***	**22213..-K**	SNW13X0204	H313X204	SR-13-0	LER29X0203-G-A	EC513-R
2 1/4	***57.15***	**222S.204**	–	–	SR-13-0	LER29X0203-G-A	EC513-R

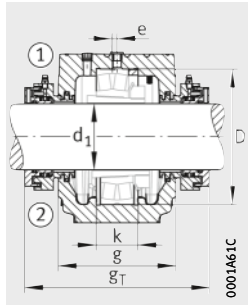
① Locating bearing; ② Non-locating bearing



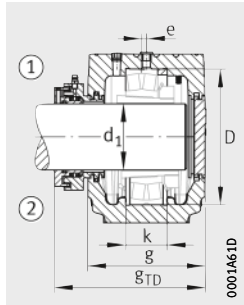
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

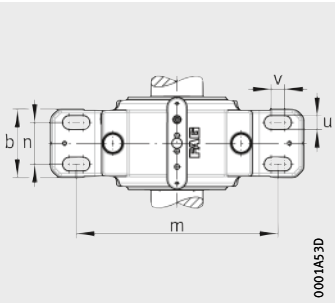


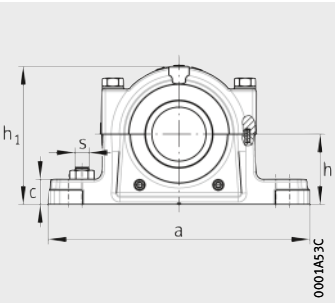
Taconite seal TA
Endcover EC

Accessories to be ordered separately				Housing Designation			
Labyrinth seal	Taconite seal						
		g_T	g_{TD}	Mass m		Gray cast iron	Ductile cast iron
		inch	inch	≈ lb	≈ kg		
LER16X0106-G-A	TA16X0106	*5.9*	*4.7*	8	3.6	**SAF509X0107U**	**SAFD509X0107U**
–	TA17X0107	*5.9*	*4.7*	8	3.6	**SAF509X0107U**	**SAFD509X0107U**
LER18X0108-G-A	TA18X0108	*5.9*	*4.7*	8	3.6	**SAF509X0107U**	**SAFD509X0107U**
LER19X0110-G-A	TA19X0110	*5.9*	*4.7*	*9*	4	**SAF510X0111U**	**SAFD510X0111U**
–	TA20X0111	*5.9*	*4.7*	*9*	4	**SAF510X0111U**	**SAFD510X0111U**
LER21X0112-G-A	TA21X0112	*5.9*	*4.7*	*9*	4	**SAF510X0111U**	**SAFD510X0111U**
LER23X0114-G-A	TA23X0114	*6.3*	*5*	11	5	**SAF511X0115U**	**SAFD511X0115U**
–	TA24X0115	*6.3*	*5*	11	5	**SAF511X0115U**	**SAFD511X0115U**
LER25X0200-G-A	TA25X0200	*6.3*	*5*	11	5	**SAF511X0115U**	**SAFD511X0115U**
LER28X0202-G-A	TA28X0202	*6.8*	*5.5*	20	*9*	**SAF513X0203U**	**SAFD513X0203U**
–	TA29X0203	*6.8*	*5.5*	20	*9*	**SAF513X0203U**	**SAFD513X0203U**
LERS29X0203-N	TAS29X0203	*6.8*	*5.5*	20	*9*	**SAF513X0203U**	**SAFD513X0203U**
LER30X0204-G-A	TA30X0204	*7.4*	*6*	22	10	**SAF513X0203U**	**SAFD513X0203U**
LERS30X0204-G-S	TAS30X0204	*7.4*	*6*	22	10	**SAF513X0203U**	**SAFD513X0203U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

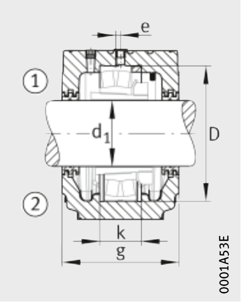




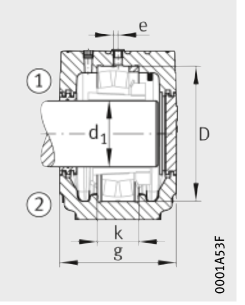
Dimension table · Dimensions in inch

Shaft		Housing							
		Dimensions							
d_1		h	h_1	g	b	c	a	m	n
inch	mm								
2 3/8	***60.325***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	–
2 3/8	***60.325***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	*1 7/8*
2 7/16	***61.913***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	–
2 7/16	***61.913***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	*1 7/8*
2 7/16	***61.913***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	–
2 7/16	***61.913***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	*1 7/8*
2 1/2	***63.5***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	–
2 1/2	***63.5***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	*1 7/8*
2 1/2	***63.5***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	–
2 1/2	***63.5***	*3 1/4*	*6 3/8*	*4 5/8*	*3 1/8*	*1 1/8*	*11 1/4*	*9 1/8*	*1 7/8*
2 5/8	***66.675***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	–
2 5/8	***66.675***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	*2 1/8*
2 11/16	***68.263***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	–
2 11/16	***68.263***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	*2 1/8*
2 11/16	***68.263***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	–
2 11/16	***68.263***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	*2 1/8*
2 3/4	***69.85***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	–
2 3/4	***69.85***	*3 1/2*	*6 7/8*	*4 3/4*	*3 1/2*	*1 1/4*	*13*	*10 5/16*	*2 1/8*

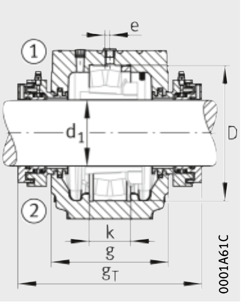
① Locating bearing; ② Non-locating bearing



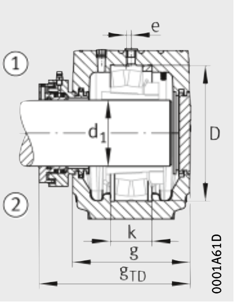
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

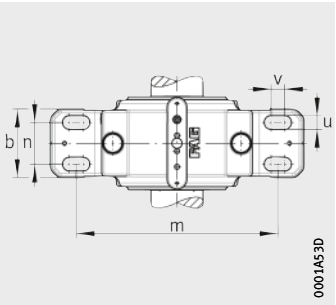


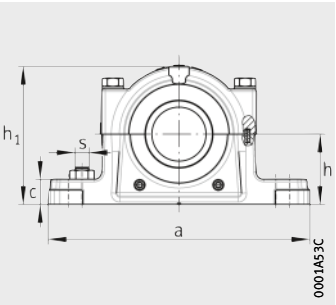
Taconite seal TA
Endcover EC

v	u	s	D	k	e	Designation	
						Gray cast iron	Ductile cast iron
			mm	mm			
$1^{1}/_{4}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	130	37	*0.118*	**SAF515X0207U**	**SAFD515X0207U**
$1^{1}/_{8}$	*$^{5}/_{8}$*	*$^{1}/_{2}$*	130	37	*0.118*	**FSAF515X0207U**	**FSAFD515X0207U**
$1^{1}/_{4}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	130	37	*0.118*	**SAF515X0207U**	**SAFD515X0207U**
$1^{1}/_{8}$	*$^{5}/_{8}$*	*$^{1}/_{2}$*	130	37	*0.118*	**FSAF515X0207U**	**FSAFD515X0207U**
$1^{1}/_{4}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	130	37	*0.118*	**SAF515X0207U**	**SAFD515X0207U**
$1^{1}/_{8}$	*$^{5}/_{8}$*	*$^{1}/_{2}$*	130	37	*0.118*	**FSAF515X0207U**	**FSAFD515X0207U**
$1^{1}/_{4}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	130	37	*0.118*	**SAF515X0207U**	**SAFD515X0207U**
$1^{1}/_{8}$	*$^{5}/_{8}$*	*$^{1}/_{2}$*	130	37	*0.118*	**FSAF515X0207U**	**FSAFD515X0207U**
$1^{1}/_{4}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	130	37	*0.118*	**SAF515X0207U**	**SAFD515X0207U**
$1^{1}/_{8}$	*$^{5}/_{8}$*	*$^{1}/_{2}$*	130	37	*0.118*	**FSAF515X0207U**	**FSAFD515X0207U**
$1^{9}/_{16}$	*$^{7}/_{8}$*	*$^{3}/_{4}$*	140	42.8	*0.193*	**SAF516X0211U**	**SAFD516X0211U**
$1^{7}/_{16}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	140	42.8	*0.193*	**FSAF516X0211U**	**FSAFD516X0211U**
$1^{9}/_{16}$	*$^{7}/_{8}$*	*$^{3}/_{4}$*	140	42.8	*0.193*	**SAF516X0211U**	**SAFD516X0211U**
$1^{7}/_{16}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	140	42.8	*0.193*	**FSAF516X0211U**	**FSAFD516X0211U**
$1^{9}/_{16}$	*$^{7}/_{8}$*	*$^{3}/_{4}$*	140	42.8	*0.193*	**SAF516X0211U**	**SAFD516X0211U**
$1^{7}/_{16}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	140	42.8	*0.193*	**FSAF516X0211U**	**FSAFD516X0211U**
$1^{9}/_{16}$	*$^{7}/_{8}$*	*$^{3}/_{4}$*	140	42.8	*0.193*	**SAF516X0211U**	**SAFD516X0211U**
$1^{7}/_{16}$	*$^{3}/_{4}$*	*$^{5}/_{8}$*	140	42.8	*0.193*	**FSAF516X0211U**	**FSAFD516X0211U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

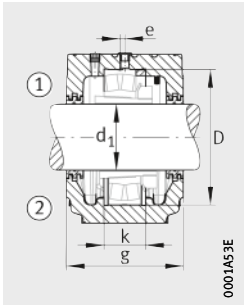




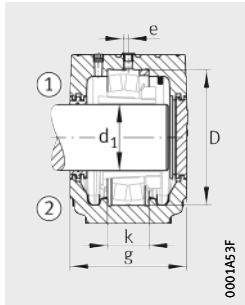
Dimension table (continued) · Dimensions in inch

Shaft d_1		Spherical roller bearing	Adapter sleeve Thread		Accessories supplied for universal design		
					Locating ring	Labyrinth seal	Endcover
			inch	metric			
inch	mm					2 pieces	
2 3/8	***60.325***	**22215..-K**	SNW15X0206	H315X206	SR-15-0	LER37X0207-G-A	EC515-R
2 3/8	***60.325***	**22215..-K**	SNW15X0206	H315X206	SR-15-0	LER37X0207-G-A	EC515-R
2 7/16	***61.913***	**22215..-K**	SNW15X0207	H315X207	SR-15-0	LER37X0207-G-A	EC515-R
2 7/16	***61.913***	**22215..-K**	SNW15X0207	H315X207	SR-15-0	LER37X0207-G-A	EC515-R
2 7/16	***61.913***	**222S.207**	–	–	SR-15-0	LER37X0207-G-A	EC515-R
2 7/16	***61.913***	**222S.207**	–	–	SR-15-0	LER37X0207-G-A	EC515-R
2 1/2	***63.5***	**22215..-K**	SNW15X0208	H315X208	SR-15-0	LER37X0207-G-A	EC515-R
2 1/2	***63.5***	**22215..-K**	SNW15X0208	H315X208	SR-15-0	LER37X0207-G-A	EC515-R
2 1/2	***63.5***	**222S.208**	–	–	SR-15-0	LER37X0207-G-A	EC515-R
2 1/2	***63.5***	**222S.208**	–	–	SR-15-0	LER37X0207-G-A	EC515-R
2 5/8	***66.675***	**22216..-K**	SNW16X0210	H316X210	SR-16-13	LER44X0211-G-A	EC516-R
2 5/8	***66.675***	**22216..-K**	SNW16X0210	H316X210	SR-16-13	LER44X0211-G-A	EC516-R
2 11/16	***68.263***	**22216..-K**	SNW16X0211	H316X211	SR-16-13	LER44X0211-G-A	EC516-R
2 11/16	***68.263***	**22216..-K**	SNW16X0211	H316X211	SR-16-13	LER44X0211-G-A	EC516-R
2 11/16	***68.263***	**222S.211**	–	–	SR-16-13	LER44X0211-G-A	EC516-R
2 11/16	***68.263***	**222S.211**	–	–	SR-16-13	LER44X0211-G-A	EC516-R
2 3/4	***69.85***	**22216..-K**	SNW16X0212	H316X212	SR-16-13	LER44X0211-G-A	EC516-R
2 3/4	***69.85***	**22216..-K**	SNW16X0212	H316X212	SR-16-13	LER44X0211-G-A	EC516-R

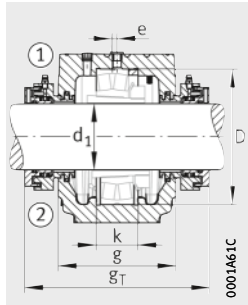
① Locating bearing; ② Non-locating bearing



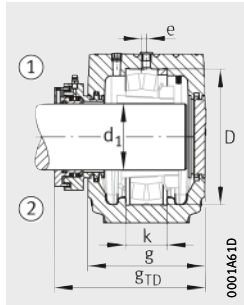
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

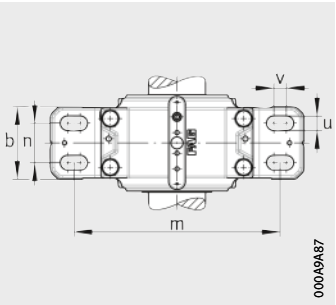


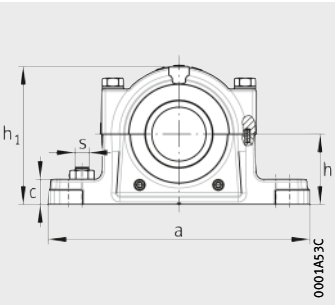
Taconite seal TA
Endcover EC

Accessories to be ordered separately				Housing Designation			
Labyrinth seal	Taconite seal						
		g_T	g_{TD}	Mass m		Gray cast iron	Ductile cast iron
		inch	inch	≈ lb	≈ kg		
LER36X0206-G-A	TA36X0206	*7.4*	*6*	22	10	**SAF515X0207U**	**SAFD515X0207U**
LER36X0206-G-A	TA36X0206	*7.4*	*6*	22	10	**FSAF515X0207U**	**FSAFD515X0207U**
–	TA37X0207	*7.4*	*6*	22	10	**SAF515X0207U**	**SAFD515X0207U**
–	TA37X0207	*7.4*	*6*	22	10	**FSAF515X0207U**	**FSAFD515X0207U**
LERS37X0207-N	TAS37X0207	*7.4*	*6*	22	10	**SAF515X0207U**	**SAFD515X0207U**
LERS37X0207-N	TAS37X0207	*7.4*	*6*	22	10	**FSAF515X0207U**	**FSAFD515X0207U**
LER38X0208-G-A	TA38X0208	*7.4*	*6*	22	10	**SAF515X0207U**	**SAFD515X0207U**
LER38X0208-G-A	TA38X0208	*7.4*	*6*	22	10	**FSAF515X0207U**	**FSAFD515X0207U**
LERS38X0208-G-S	TAS38X0208	*7.4*	*6*	22	10	**SAF515X0207U**	**SAFD515X0207U**
LERS38X0208-G-S	TAS38X0208	*7.4*	*6*	22	10	**FSAF515X0207U**	**FSAFD515X0207U**
LER43X0210-G-A	TA43X0210	*7.5*	*6.1*	28	13	**SAF516X0211U**	**SAFD516X0211U**
LER43X0210-G-A	TA43X0210	*7.5*	*6.1*	28	13	**FSAF516X0211U**	**FSAFD516X0211U**
–	TA44X0211	*7.5*	*6.1*	28	13	**SAF516X0211U**	**SAFD516X0211U**
–	TA44X0211	*7.5*	*6.1*	28	13	**FSAF516X0211U**	**FSAFD516X0211U**
LERS44X0211-N	TAS44X0211	*7.5*	*6.1*	28	13	**SAF516X0211U**	**SAFD516X0211U**
LERS44X0211-N	TAS44X0211	*7.5*	*6.1*	28	13	**FSAF516X0211U**	**FSAFD516X0211U**
LER45X0212-G-A	TA45X0212	*7.5*	*6.1*	28	13	**SAF516X0211U**	**SAFD516X0211U**
LER45X0212-G-A	TA45X0212	*7.5*	*6.1*	28	13	**FSAF516X0211U**	**FSAFD516X0211U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

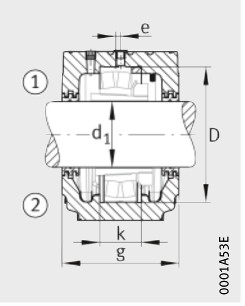




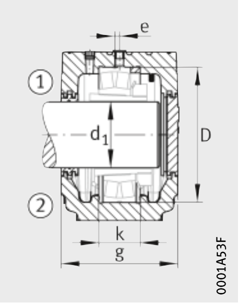
Dimension table · Dimensions in inch

Shaft		Housing							
		Dimensions							
d_1		h	h_1	g	b	c	a	m	n
inch	mm								
$2\,13/16$	**71.438**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
$2\,13/16$	**71.438**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
$2\,7/8$	**73.025**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
$2\,7/8$	**73.025**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
$2\,15/16$	**74.613**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
$2\,15/16$	**74.613**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
$2\,15/16$	**74.613**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
$2\,15/16$	**74.613**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
3	**76.2**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
3	**76.2**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
3	**76.2**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	–
3	**76.2**	$3\,3/4$	$7\,5/16$	$4\,13/16$	$3\,1/2$	$1\,1/4$	13	$10\,7/16$	$2\,1/8$
$3\,1/16$	**77.788**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,1/16$	**77.788**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,1/8$	**79.375**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,1/8$	**79.375**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,3/16$	**80.963**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,3/16$	**80.963**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,3/16$	**80.963**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,3/16$	**80.963**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,1/4$	**82.55**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,1/4$	**82.55**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,1/4$	**82.55**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	–
$3\,1/4$	**82.55**	4	$7\,3/4$	$5\,1/2$	$3\,7/8$	$1\,5/8$	$13\,3/4$	11	$2\,1/8$
$3\,3/8$	**85.725**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	–
$3\,3/8$	**85.725**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	$2\,3/8$
$3\,7/16$	**87.313**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	–
$3\,7/16$	**87.313**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	$2\,3/8$
$3\,7/16$	**87.313**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	–
$3\,7/16$	**87.313**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	$2\,3/8$
$3\,1/2$	**88.9**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	–
$3\,1/2$	**88.9**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	$2\,3/8$
$3\,1/2$	**88.9**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	–
$3\,1/2$	**88.9**	$4\,1/2$	$8\,7/16$	$5\,13/16$	$4\,3/8$	$1\,3/4$	$15\,1/4$	$12\,3/8$	$2\,3/8$

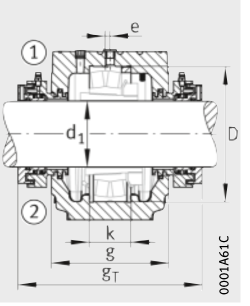
① Locating bearing; ② Non-locating bearing



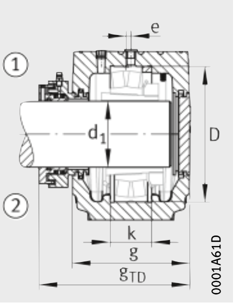
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

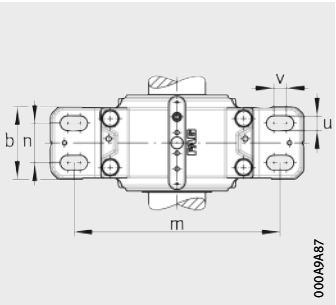


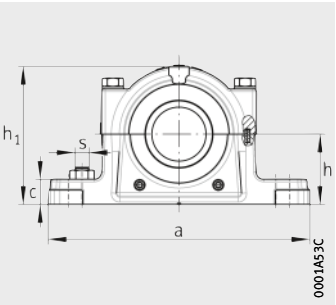
Taconite seal TA
Endcover EC

						Designation	
v	u	s	D mm	k mm	e	Gray cast iron	Ductile cast iron
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 7/16	7/8	3/4	150	45.8	*0.193*	**SAF517X0215U**	**SAFD517X0215U**
1 5/16	3/4	5/8	150	45.8	*0.193*	**FSAF517X0215U**	**FSAFD517X0215U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 1/2	7/8	3/4	160	49.8	*0.193*	**SAF518X0303U**	**SAFD518X0303U**
1 3/8	3/4	5/8	160	49.8	*0.193*	**FSAF518X0303U**	**FSAFD518X0303U**
1 3/4	1	7/8	180	55.8	*0.193*	**SAF520X0307U**	**SAFD520X0307U**
1 5/8	7/8	3/4	180	55.8	*0.193*	**FSAF520X0307U**	**FSAFD520X0307U**
1 3/4	1	7/8	180	55.8	*0.193*	**SAF520X0307U**	**SAFD520X0307U**
1 5/8	7/8	3/4	180	55.8	*0.193*	**FSAF520X0307U**	**FSAFD520X0307U**
1 3/4	1	7/8	180	55.8	*0.193*	**SAF520X0307U**	**SAFD520X0307U**
1 5/8	7/8	3/4	180	55.8	*0.193*	**FSAF520X0307U**	**FSAFD520X0307U**
1 3/4	1	7/8	180	55.8	*0.193*	**SAF520X0307U**	**SAFD520X0307U**
1 5/8	7/8	3/4	180	55.8	*0.193*	**FSAF520X0307U**	**FSAFD520X0307U**
1 3/4	1	7/8	180	55.8	*0.193*	**SAF520X0307U**	**SAFD520X0307U**
1 5/8	7/8	3/4	180	55.8	*0.193*	**FSAF520X0307U**	**FSAFD520X0307U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

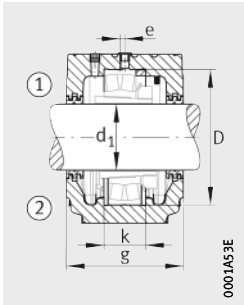




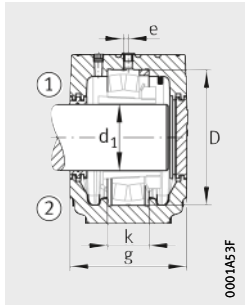
Dimension table (continued) · Dimensions in inch

Shaft d_1		Spherical roller bearing	Adapter sleeve Thread		Accessories supplied for universal design		
			inch	metric	Locating ring	Labyrinth seal	Endcover
inch	mm					2 pieces	
2 13/16	***71.438***	**22217..-K**	SNW17X0213	H317X213	SR-17-14	LER53X0215-G-A	EC517-R
2 13/16	***71.438***	**22217..-K**	SNW17X0213	H317X213	SR-17-14	LER53X0215-G-A	EC517-R
2 7/8	***73.025***	**22217..-K**	SNW17X0214	H317X214	SR-17-14	LER53X0215-G-A	EC517-R
2 7/8	***73.025***	**22217..-K**	SNW17X0214	H317X214	SR-17-14	LER53X0215-G-A	EC517-R
2 15/16	***74.613***	**22217..-K**	SNW17X0215	H317X215	SR-17-14	LER53X0215-G-A	EC517-R
2 15/16	***74.613***	**22217..-K**	SNW17X0215	H317X215	SR-17-14	LER53X0215-G-A	EC517-R
2 15/16	***74.613***	**222S.215**	–	–	SR-17-14	LER53X0215-G-A	EC517-R
2 15/16	***74.613***	**222S.215**	–	–	SR-17-14	LER53X0215-G-A	EC517-R
3	***76.2***	**22217..-K**	SNW17X0300	H317X300	SR-17-14	LER53X0215-G-A	EC517-R
3	***76.2***	**22217..-K**	SNW17X0300	H317X300	SR-17-14	LER53X0215-G-A	EC517-R
3	***76.2***	**222S.300**	–	–	SR-17-14	LER53X0215-G-A	EC517-R
3	***76.2***	**222S.300**	–	–	SR-17-14	LER53X0215-G-A	EC517-R
3 1/16	***77.788***	**22218..-K**	SNW18X0301	H318X301	SR-18-15	LER188X0303-G-A	EC518-R
3 1/16	***77.788***	**22218..-K**	SNW18X0301	H318X301	SR-18-15	LER188X0303-G-A	EC518-R
3 1/8	***79.375***	**22218..-K**	SNW18X0302	H318X302	SR-18-15	LER188X0303-G-A	EC518-R
3 1/8	***79.375***	**22218..-K**	SNW18X0302	H318X302	SR-18-15	LER188X0303-G-A	EC518-R
3 3/16	***80.963***	**22218..-K**	SNW18X0303	H318X303	SR-18-15	LER188X0303-G-A	EC518-R
3 3/16	***80.963***	**22218..-K**	SNW18X0303	H318X303	SR-18-15	LER188X0303-G-A	EC518-R
3 3/16	***80.963***	**222S.303**	–	–	SR-18-15	LER188X0303-G-A	EC518-R
3 3/16	***80.963***	**222S.303**	–	–	SR-18-15	LER188X0303-G-A	EC518-R
3 1/4	***82.55***	**22218..-K**	SNW18X0304	H318X304	SR-18-15	LER188X0303-G-A	EC518-R
3 1/4	***82.55***	**22218..-K**	SNW18X0304	H318X304	SR-18-15	LER188X0303-G-A	EC518-R
3 1/4	***82.55***	**222S.304**	–	–	SR-18-15	LER188X0303-G-A	EC518-R
3 1/4	***82.55***	**222S.304**	–	–	SR-18-15	LER188X0303-G-A	EC518-R
3 3/8	***85.725***	**22220..-K**	SNW20X0306	H320X306	SR-20-17	LER102X0307-G-A	EC520-R
3 3/8	***85.725***	**22220..-K**	SNW20X0306	H320X306	SR-20-17	LER102X0307-G-A	EC520-R
3 7/16	***87.313***	**22220..-K**	SNW20X0307	H320X307	SR-20-17	LER102X0307-G-A	EC520-R
3 7/16	***87.313***	**22220..-K**	SNW20X0307	H320X307	SR-20-17	LER102X0307-G-A	EC520-R
3 7/16	***87.313***	**222S.307**	–	–	SR-20-17	LER102X0307-G-A	EC520-R
3 7/16	***87.313***	**222S.307**	–	–	SR-20-17	LER102X0307-G-A	EC520-R
3 1/2	***88.9***	**22220..-K**	SNW20X0308	H320X308	SR-20-17	LER102X0307-G-A	EC520-R
3 1/2	***88.9***	**22220..-K**	SNW20X0308	H320X308	SR-20-17	LER102X0307-G-A	EC520-R
3 1/2	***88.9***	**222S.308**	–	–	SR-20-17	LER102X0307-G-A	EC520-R
3 1/2	***88.9***	**222S.308**	–	–	SR-20-17	LER102X0307-G-A	EC520-R

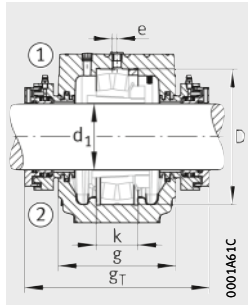
① Locating bearing; ② Non-locating bearing



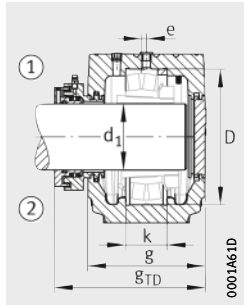
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

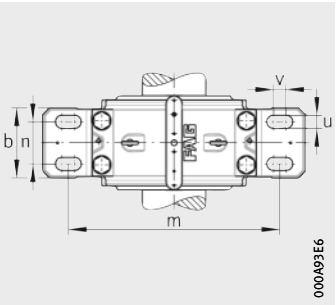


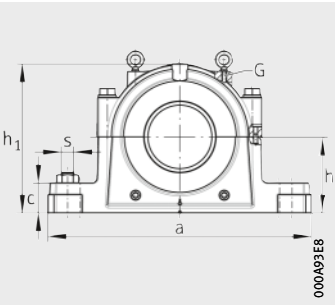
Taconite seal TA
Endcover EC

Accessories to be ordered separately				Housing Designation			
Labyrinth seal	Taconite seal	g_T	g_{TD}	Mass m		Gray cast iron	Ductile cast iron
		inch	inch	≈ lb	≈ kg		
LER51X0213-G-A	TA51X0213	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
LER51X0213-G-A	TA51X0213	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
LER52X0214-G-A	TA52X0214	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
LER52X0214-G-A	TA52X0214	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
–	TA53X0215	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
–	TA53X0215	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
LERS53X0215-N	TAS53X0215	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
LERS53X0215-N	TAS53X0215	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
LER54X0300-G-A	TA54X0300	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
LER54X0300-G-A	TA54X0300	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
LERS54X0300-N	TAS54X0300	*7.8*	*6.3*	31	14	**SAF517X0215U**	**SAFD517X0215U**
LERS54X0300-N	TAS54X0300	*7.8*	*6.3*	31	14	**FSAF517X0215U**	**FSAFD517X0215U**
LER186X0301-G-A	TA186X0301	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
LER186X0301-G-A	TA186X0301	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
LER187X0302-G-A	TA187X0302	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
LER187X0302-G-A	TA187X0302	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
–	TA188X0303	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
–	TA188X0303	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
LERS69X0303-N	TAS188X0303	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
LERS69X0303-N	TAS188X0303	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
LER189X0304-G-A	TA189X0304	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
LER189X0304-G-A	TA189X0304	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
LERS189X0304-G-S	TAS189X0304	*8.2*	*6.9*	37	17	**SAF518X0303U**	**SAFD518X0303U**
LERS189X0304-G-S	TAS189X0304	*8.2*	*6.9*	37	17	**FSAF518X0303U**	**FSAFD518X0303U**
LER101X0306-G-A	TA101X0306	*9.1*	*7.4*	48	22	**SAF520X0307U**	**SAFD520X0307U**
LER101X0306-G-A	TA101X0306	*9.1*	*7.4*	48	22	**FSAF520X0307U**	**FSAFD520X0307U**
–	TA102X0307	*9.1*	*7.4*	48	22	**SAF520X0307U**	**SAFD520X0307U**
–	TA102X0307	*9.1*	*7.4*	48	22	**FSAF520X0307U**	**FSAFD520X0307U**
LERS102X0307-N	TAS102X0307	*9.1*	*7.4*	48	22	**SAF520X0307U**	**SAFD520X0307U**
LERS102X0307-N	TAS102X0307	*9.1*	*7.4*	48	22	**FSAF520X0307U**	**FSAFD520X0307U**
LER103X0308-G-A	TA103X0308	*9.1*	*7.4*	48	22	**SAF520X0307U**	**SAFD520X0307U**
LER103X0308-G-A	TA103X0308	*9.1*	*7.4*	48	22	**FSAF520X0307U**	**FSAFD520X0307U**
LERS103X0308-G-S	TAS103X0308	*9.1*	*7.4*	48	22	**SAF520X0307U**	**SAFD520X0307U**
LERS103X0308-G-S	TAS103X0308	*9.1*	*7.4*	48	22	**FSAF520X0307U**	**FSAFD520X0307U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

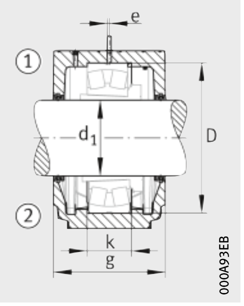




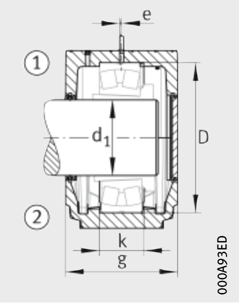
Dimension table · Dimensions in inch

Shaft		Housing							
		Dimensions							
d_1		h	h_1	g	b	c	a	m	n
inch	mm								
3 13/16	96.838	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
3 7/8	98.425	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
3 15/16	100.013	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
3 15/16	100.013	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
4	101.6	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
4	101.6	4 15/16	9 5/8	6 7/16	4 3/4	2	16 1/2	13 9/16	2 3/4
4 1/16	103.188	5 1/4	10 1/4	7 1/8	4 3/4	2 1/8	16 1/2	13 7/8	2 3/4
4 1/8	104.775	5 1/4	10 1/4	7 1/8	4 3/4	2 1/8	16 1/2	13 7/8	2 3/4
4 3/16	106.363	5 1/4	10 1/4	7 1/8	4 3/4	2 1/8	16 1/2	13 7/8	2 3/4
4 3/16	106.363	5 1/4	10 1/4	7 1/8	4 3/4	2 1/8	16 1/2	13 7/8	2 3/4
4 1/4	107.95	5 1/4	10 1/4	7 1/8	4 3/4	2 1/8	16 1/2	13 7/8	2 3/4
4 5/16	109.538	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 3/8	111.125	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 7/16	112.713	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 7/16	112.713	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 1/2	114.3	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 1/2	114.3	6	11 1/2	7 3/4	5 1/8	3 3/8	18 3/8	15 5/16	3 1/4
4 13/16	122.238	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
4 7/8	123.825	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
4 15/16	125.413	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
4 15/16	125.413	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
5	127	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
5	127	6	11 3/4	7 3/8	5 7/8	2 3/8	20 1/8	16 1/2	3 3/8
5 1/8	130.175	6 5/16	12 1/2	8 1/8	6 1/4	2 1/2	21 1/4	17 5/8	3 3/4
5 3/16	131.763	6 5/16	12 1/2	8 1/8	6 1/4	2 1/2	21 1/4	17 5/8	3 3/4
5 3/16	131.763	6 5/16	12 1/2	8 1/8	6 1/4	2 1/2	21 1/4	17 5/8	3 3/4
5 1/4	133.35	6 5/16	12 1/2	8 1/8	6 1/4	2 1/2	21 1/4	17 5/8	3 3/4
5 3/8	136.525	6 11/16	13 5/16	8 1/2	6 1/4	2 5/8	22	18 5/16	3 3/4
5 7/16	138.113	6 11/16	13 5/16	8 1/2	6 1/4	2 5/8	22	18 5/16	3 3/4
5 7/16	138.113	6 11/16	13 5/16	8 1/2	6 1/4	2 5/8	22	18 5/16	3 3/4
5 1/2	139.7	6 11/16	13 5/16	8 1/2	6 1/4	2 5/8	22	18 5/16	3 3/4
5 1/2	139.7	6 11/16	13 5/16	8 1/2	6 1/4	2 5/8	22	18 5/16	3 3/4

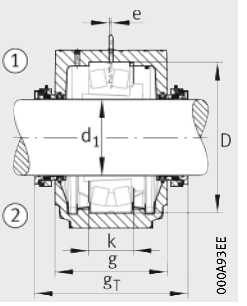
① Locating bearing; ② Non-locating bearing



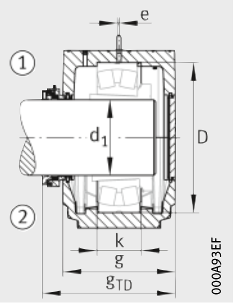
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

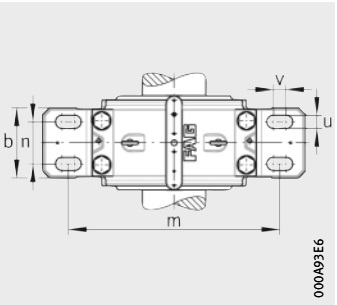


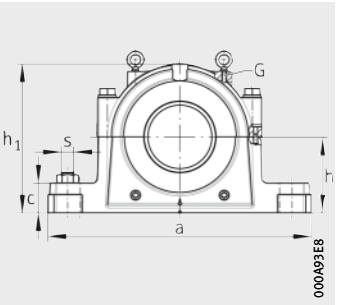
Taconite seal TA
Endcover EC

						Designation	
v	u	s	D	k	e	Gray cast iron	Ductile cast iron
			mm	mm			
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 13/16	*7/8*	*3/4*	200	62.8	*0.193*	**SAF522X0315U**	**SAFD522X0315U**
1 1/2	*7/8*	*3/4*	215	67.8	*0.193*	**SAF524X0403U**	**SAFD524X0403U**
1 1/2	*7/8*	*3/4*	215	67.8	*0.193*	**SAF524X0403U**	**SAFD524X0403U**
1 1/2	*7/8*	*3/4*	215	67.8	*0.193*	**SAF524X0403U**	**SAFD524X0403U**
1 1/2	*7/8*	*3/4*	215	67.8	*0.193*	**SAF524X0403U**	**SAFD524X0403U**
1 1/2	*7/8*	*3/4*	215	67.8	*0.193*	**SAF524X0403U**	**SAFD524X0403U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
1 11/16	*1*	*7/8*	230	73.8	*0.193*	**SAF526X0407U**	**SAFD526X0407U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
2	*1 1/8*	*1*	250	77.8	*0.193*	**SAF528X0415U**	**SAFD528X0415U**
1 3/4	*1 1/8*	*1*	270	82.8	*0.193*	**SAF530X0503U**	**SAFD530X0503U**
1 3/4	*1 1/8*	*1*	270	82.8	*0.193*	**SAF530X0503U**	**SAFD530X0503U**
1 3/4	*1 1/8*	*1*	270	82.8	*0.193*	**SAF530X0503U**	**SAFD530X0503U**
1 3/4	*1 1/8*	*1*	270	82.8	*0.193*	**SAF530X0503U**	**SAFD530X0503U**
2 1/16	*1 1/8*	*1*	290	89.8	*0.197*	**SAF532X0507U**	**SAFD532X0507U**
2 1/16	*1 1/8*	*1*	290	89.8	*0.197*	**SAF532X0507U**	**SAFD532X0507U**
2 1/16	*1 1/8*	*1*	290	89.8	*0.197*	**SAF532X0507U**	**SAFD532X0507U**
2 1/16	*1 1/8*	*1*	290	89.8	*0.197*	**SAF532X0507U**	**SAFD532X0507U**
2 1/16	*1 1/8*	*1*	290	89.8	*0.197*	**SAF532X0507U**	**SAFD532X0507U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

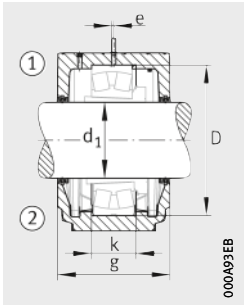




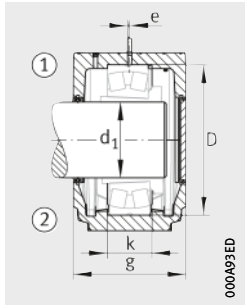
Dimension table (continued) · Dimensions in inch

Shaft d_1		Spherical roller bearing	Adapter sleeve Thread		Accessories supplied for universal design		
					Locating ring	Labyrinth seal	Endcover
			inch	metric			
inch	mm					2 pieces	
3 13/16	***96.838***	**22222..-K**	SNW22X0313	H322X313	SR-22-19	LER109X0315-G-A	EC522-R
3 7/8	***98.425***	**22222..-K**	SNW22X0314	H322X314	SR-22-19	LER109X0315-G-A	EC522-R
3 15/16	***100.013***	**22222..-K**	SNW22X0315	H322X315	SR-22-19	LER109X0315-G-A	EC522-R
3 15/16	***100.013***	**222S.315**	–	–	SR-22-19	LER109X0315-G-A	EC522-R
4	***101.6***	**22222..-K**	SNW22X0400	H322X400	SR-22-19	LER109X0315-G-A	EC522-R
4	***101.6***	**222S.400**	–	–	SR-22-19	LER109X0315-G-A	EC522-R
4 1/16	***103.188***	**22224..-K**	SNW24X0401	H3124X401	SR-24-20	LER113X0403-G-A	EC524-R
4 1/8	***104.775***	**22224..-K**	SNW24X0402	H3124X402	SR-24-20	LER113X0403-G-A	EC524-R
4 3/16	***106.363***	**22224..-K**	SNW24X0403	H3124X403	SR-24-20	LER113X0403-G-A	EC524-R
4 3/16	***106.363***	**222S.403**	–	–	SR-24-20	LER113X0403-G-A	EC524-R
4 1/4	***107.95***	**22224..-K**	SNW24X0404	H3124X404	SR-24-20	LER113X0403-G-A	EC524-R
4 5/16	***109.538***	**22226..-K**	SNW26X0405	H3126X405	SR-26-0	LER117X0407-G-A	EC526-R
4 3/8	***111.125***	**22226..-K**	SNW26X0406	H3126X406	SR-26-0	LER117X0407-G-A	EC526-R
4 7/16	***112.713***	**22226..-K**	SNW26X0407	H3126X407	SR-26-0	LER117X0407-G-A	EC526-R
4 7/16	***112.713***	**222S.407**	–	–	SR-26-0	LER117X0407-G-A	EC526-R
4 1/2	***114.3***	**22226..-K**	SNW26X0408	H3126X408	SR-26-0	LER117X0407-G-A	EC526-R
4 1/2	***114.3***	**222S.408**	–	–	SR-26-0	LER117X0407-G-A	EC526-R
4 13/16	***122.238***	**22228..-K**	SNW28X0413	H3128X413	SR-28-0	LER122X0415-G-A	EC528-R
4 7/8	***123.825***	**22228..-K**	SNW28X0414	H3128X414	SR-28-0	LER122X0415-G-A	EC528-R
4 15/16	***125.413***	**22228..-K**	SNW28X0415	H3128X415	SR-28-0	LER122X0415-G-A	EC528-R
4 15/16	***125.413***	**222S.415**	–	–	SR-28-0	LER122X0415-G-A	EC528-R
5	***127***	**22228..-K**	SNW28X0500	H3128X500	SR-28-0	LER122X0415-G-A	EC528-R
5	***127***	**222S.500**	–	–	SR-28-0	LER122X0415-G-A	EC528-R
5 1/8	***130.175***	**22230..-K**	SNW30X0502	H3130X502	SR-30-0	LER125X0503-G-A	EC530-R
5 3/16	***131.763***	**22230..-K**	SNW30X0503	H3130X503	SR-30-0	LER125X0503-G-A	EC530-R
5 3/16	***131.763***	**222S.503**	–	–	SR-30-0	LER125X0503-G-A	EC530-R
5 1/4	***133.35***	**22230..-K**	SNW30X0504	H3130X504	SR-30-0	LER125X0503-G-A	EC530-R
5 3/8	***136.525***	**22232..-K**	SNW32X0506	H3132X506	SR-32-0	LER130X0507-G-A	EC532-R
5 7/16	***138.113***	**22232..-K**	SNW32X0507	H3132X507	SR-32-0	LER130X0507-G-A	EC532-R
5 7/16	***138.113***	**222S.507**	–	–	SR-32-0	LER130X0507-G-A	EC532-R
5 1/2	***139.7***	**22232..-K**	SNW32X0508	H3132X508	SR-32-0	LER130X0507-G-A	EC532-R
5 1/2	***139.7***	**222S.508**	–	–	SR-32-0	LER130X0507-G-A	EC532-R

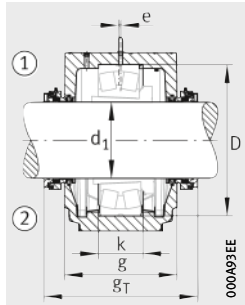
① Locating bearing; ② Non-locating bearing



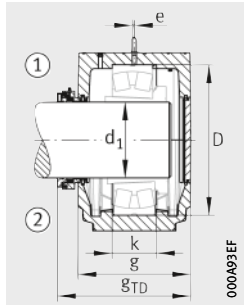
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

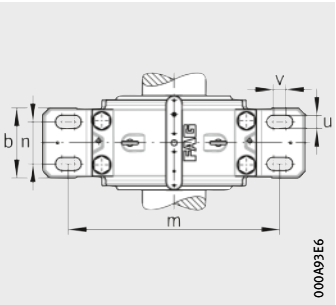


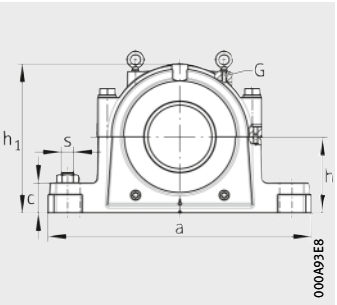
Taconite seal TA
Endcover EC

Accessories to be ordered separately				Housing Designation				
Labyrinth seal	Taconite seal							
		g_T	g_{TD}	G	Mass m		Gray cast iron	Ductile cast iron
		inch	inch		≈ lb	≈ kg		
LER107X0313-G-A	TA107X0313	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
LER108X0314-G-A	TA108X0314	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
–	TA109X0315	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
LERS109X0315-N	TAS109X0315	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
LER110X0400-G-A	TA110X0400	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
LERS110X0400-G-S	TAS110X0400	*9.6*	*8*	1/4″ – 20 UNC	72	33	**SAF522X0315U**	**SAFD522X0315U**
LER111X0401-G-A	TA111X0401	*10.2*	*8.7*	3/8″ – 16 UNC	78	36	**SAF524X0403U**	**SAFD524X0403U**
LER112X0402-G-A	TA112X0402	*10.2*	*8.7*	3/8″ – 16 UNC	78	36	**SAF524X0403U**	**SAFD524X0403U**
–	TA113X0403	*10.2*	*8.7*	3/8″ – 16 UNC	78	36	**SAF524X0403U**	**SAFD524X0403U**
LERS113X0403-N	TAS113X0403	*10.2*	*8.7*	3/8″ – 16 UNC	78	36	**SAF524X0403U**	**SAFD524X0403U**
LER114X0404-G-A	TA114X0404	*10.2*	*8.7*	3/8″ – 16 UNC	78	36	**SAF524X0403U**	**SAFD524X0403U**
LER115X0405-G-A	TA115X0405	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
LER116X0406-G-A	TA116X0406	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
–	TA117X0407	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
LERS117X0407-N	TAS117X0407	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
LER118X0408-G-A	TA118X0408	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
LERS118X0408-N	TAS118X0408	*11.4*	*9.6*	3/8″ – 16 UNC	108	49	**SAF526X0407U**	**SAFD526X0407U**
LER120X0413-G-A	TA120X0413	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
LER121X0414-G-A	TA121X0414	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
–	TA122X0415	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
LERS122X0415-N	TAS122X0415	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
LER123X0500-G-A	TA123X0500	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
LERS123X0500-N	TAS123X0500	*10.9*	*9.1*	3/8″ – 16 UNC	115	52	**SAF528X0415U**	**SAFD528X0415U**
LER124X0502-G-A	TA124X0502	*12*	*10.1*	3/8″ – 16 UNC	139	63	**SAF530X0503U**	**SAFD530X0503U**
–	TA125X0503	*12*	*10.1*	3/8″ – 16 UNC	139	63	**SAF530X0503U**	**SAFD530X0503U**
LERS125X0503-N	TAS125X0503	*12*	*10.1*	3/8″ – 16 UNC	139	63	**SAF530X0503U**	**SAFD530X0503U**
LER126X0504-G-A	TA126X0504	*12*	*10.1*	3/8″ – 16 UNC	139	63	**SAF530X0503U**	**SAFD530X0503U**
LER129X0506-G-A	TA129X0506	*12.4*	*10.4*	3/8″ – 16 UNC	165	75	**SAF532X0507U**	**SAFD532X0507U**
–	TA130X0507	*12.4*	*10.4*	3/8″ – 16 UNC	165	75	**SAF532X0507U**	**SAFD532X0507U**
LERS130X0507-N	TAS130X0507	*12.4*	*10.4*	3/8″ – 16 UNC	165	75	**SAF532X0507U**	**SAFD532X0507U**
LER131X0508-G-A	TA131X0508	*12.4*	*10.4*	3/8″ – 16 UNC	165	75	**SAF532X0507U**	**SAFD532X0507U**
LERS131X0508-G-S	TAS131X0508	*12.4*	*10.4*	3/8″ – 16 UNC	165	75	**SAF532X0507U**	**SAFD532X0507U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

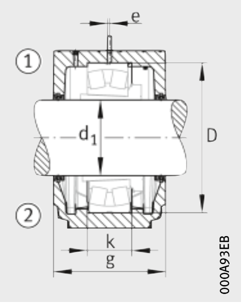




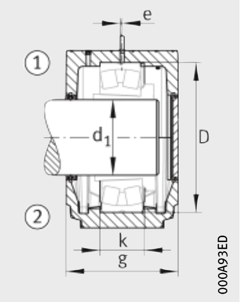
Dimension table · Dimensions in inch

Shaft		Housing							
		Dimensions							
d_1		h	h_1	g	b	c	a	m	n
inch	mm								
5 13/16	***147.638***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
5 7/8	***149.225***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
5 15/16	***150.813***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
5 15/16	***150.813***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
6	***152.4***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
6	***152.4***	*7 1/16*	*14 3/16*	*9 1/4*	*6 3/4*	*2 3/4*	*24 3/4*	*20 1/2*	*4 1/4*
6 5/16	***160.338***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 3/8	***161.925***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 7/16	***163.513***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 7/16	***163.513***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 1/2	***165.1***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 1/2	***165.1***	*7 1/2*	*14 7/8*	*9 5/8*	*7 1/8*	*3*	*26 3/4*	*22 1/4*	*4 5/8*
6 13/16	***173.038***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
6 7/8	***174.625***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
6 15/16	***176.213***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
6 15/16	***176.213***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
7	***177.8***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
7	***177.8***	*7 7/8*	*15 9/16*	*10 1/2*	*7 1/2*	*3 1/8*	*28*	*23*	*4 1/2*
7 1/8	***180.975***	*8 1/4*	*16 1/2*	*11*	*8*	*3 3/8*	*29 1/2*	*23 3/4*	*5*
7 3/16	***182.563***	*8 1/4*	*16 1/2*	*11*	*8*	*3 3/8*	*29 1/2*	*23 3/4*	*5*
7 3/16	***182.563***	*8 1/4*	*16 1/2*	*11*	*8*	*3 3/8*	*29 1/2*	*23 3/4*	*5*
7 1/4	***184.15***	*8 1/4*	*16 1/2*	*11*	*8*	*3 3/8*	*29 1/2*	*23 3/4*	*5*
7 13/16	***198.438***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*
7 7/8	***200.025***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*
7 15/16	***201.613***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*
7 15/16	***201.613***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*
8	***203.2***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*
8	***203.2***	*9 1/2*	*18 5/8*	*11 3/4*	*8 3/4*	*3 3/4*	*32 3/4*	*26 5/16*	*5 1/4*

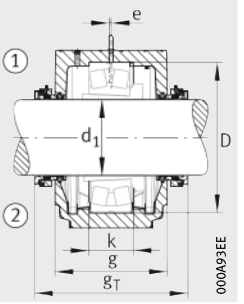
① Locating bearing; ② Non-locating bearing



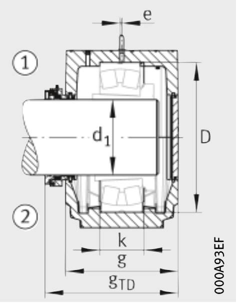
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA

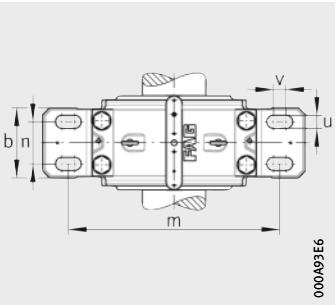


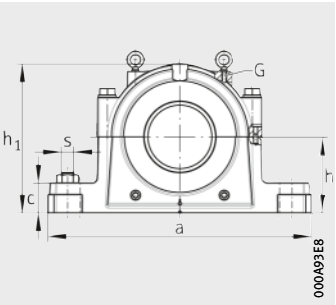
Taconite seal TA
Endcover EC

						Designation	
v	u	s	D mm	k mm	e	Gray cast iron	Ductile cast iron
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/4	*1 1/8*	*1*	310	95.8	*0.193*	**SAF534X0515U**	**SAFD534X0515U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 1/2	*1 1/8*	*1*	320	95.8	*0.193*	**SAF536X0607U**	**SAFD536X0607U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 3/4	*1 3/8*	*1 1/4*	340	101.8	*0.193*	**SAF538X0615U**	**SAFD538X0615U**
2 5/8	*1 3/8*	*1 1/4*	360	107.8	*0.193*	**SAF540X0703U**	**SAFD540X0703U**
2 5/8	*1 3/8*	*1 1/4*	360	107.8	*0.193*	**SAF540X0703U**	**SAFD540X0703U**
2 5/8	*1 3/8*	*1 1/4*	360	107.8	*0.193*	**SAF540X0703U**	**SAFD540X0703U**
2 5/8	*1 3/8*	*1 1/4*	360	107.8	*0.193*	**SAF540X0703U**	**SAFD540X0703U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**
3 3/16	*1 5/8*	*1 1/2*	400	117.8	*0.193*	**SAF544X0715U**	**SAFD544X0715U**

Pillow block housings

SAF, split
For spherical roller bearings with tapered bore and adapter sleeve
Inch size shaft

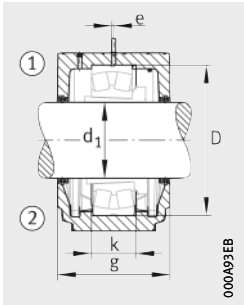




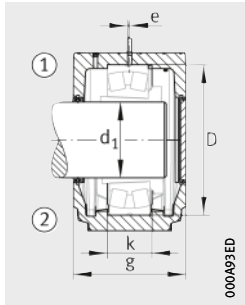
Dimension table (continued) · Dimensions in inch

Shaft d_1		Spherical roller bearing	Adapter sleeve Thread		Accessories supplied for universal design		
					Locating ring	Labyrinth seal	Endcover
			inch	metric			
inch	mm					2 pieces	
5 13/16	***147.638***	**22234..-K**	SNW34X0513	H3134X513	SR-34-0	LER140X0515-G-A	EC534-R
5 7/8	***149.225***	**22234..-K**	SNW34X0514	H3134X514	SR-34-0	LER140X0515-G-A	EC534-R
5 15/16	***150.813***	**22234..-K**	SNW34X0515	H3134X515	SR-34-0	LER140X0515-G-A	EC534-R
5 15/16	***150.813***	**222S.515**	–	–	SR-34-0	LER140X0515-G-A	EC534-R
6	***152.4***	**22234..-K**	SNW34X0600	H3134X600	SR-34-0	LER140X0515-G-A	EC534-R
6	***152.4***	**222S.600**	–	–	SR-34-0	LER140X0515-G-A	EC534-R
6 5/16	***160.338***	**22236..-K**	SNW36X0605	H3136X605	SR-36-30	LER148X0607-G-A	EC536-R
6 3/8	***161.925***	**22236..-K**	SNW36X0606	H3136X606	SR-36-30	LER148X0607-G-A	EC536-R
6 7/16	***163.513***	**22236..-K**	SNW36X0607	H3136X607	SR-36-30	LER148X0607-G-A	EC536-R
6 7/16	***163.513***	**222S.607**	–	–	SR-36-30	LER148X0607-G-A	EC536-R
6 1/2	***165.1***	**22236..-K**	SNW36X0608	H3136X608	SR-36-30	LER148X0607-G-A	EC536-R
6 1/2	***165.1***	**222S.608**	–	–	SR-36-30	LER148X0607-G-A	EC536-R
6 13/16	***173.038***	**22238..-K**	SNW38X0613	H3138X613	SR-38-32	LER155X0615-G-A	EC538-R
6 7/8	***174.625***	**22238..-K**	SNW38X0614	H3138X614	SR-38-32	LER155X0615-G-A	EC538-R
6 15/16	***176.213***	**22238..-K**	SNW38X0615	H3138X615	SR-38-32	LER155X0615-G-A	EC538-R
6 15/16	***176.213***	**222S.615**	–	–	SR-38-32	LER155X0615-G-A	EC538-R
7	***177.8***	**22238..-K**	SNW38X0700	H3138X700	SR-38-32	LER155X0615-G-A	EC538-R
7	***177.8***	**222S.700**	–	–	SR-38-32	LER155X0615-G-A	EC538-R
7 1/8	***180.975***	**22240..-K**	SNW40X0702	H3140X702	SR-40-34	LER159X0703-G-A	EC540-R
7 3/16	***182.563***	**22240..-K**	SNW40X0703	H3140X703	SR-40-34	LER159X0703-G-A	EC540-R
7 3/16	***182.563***	**222S.703**	–	–	SR-40-34	LER159X0703-G-A	EC540-R
7 1/4	***184.15***	**22240..-K**	SNW40X0704	H3140X704	SR-40-34	LER159X0703-G-A	EC540-R
7 13/16	***198.438***	**22244..-K**	SNW44X0713	H3144XX713	SR-44-38	LER167X0715-G-A	EC544-R
7 7/8	***200.025***	**22244..-K**	SNW44X0714	H3144XX714	SR-44-38	LER167X0715-G-A	EC544-R
7 15/16	***201.613***	**22244..-K**	SNW44X0715	H3144XX715	SR-44-38	LER167X0715-G-A	EC544-R
7 15/16	***201.613***	**222S.715**	–	–	SR-44-38	LER167X0715-G-A	EC544-R
8	***203.2***	**22244..-K**	SNW44X0800	H3144XX800	SR-44-38	LER167X0715-G-A	EC544-R
8	***203.2***	**222S.800**	–	–	SR-44-38	LER167X0715-G-A	EC544-R

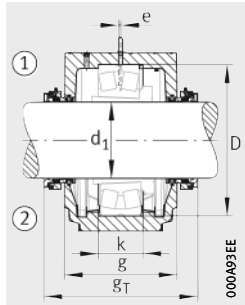
① Locating bearing; ② Non-locating bearing



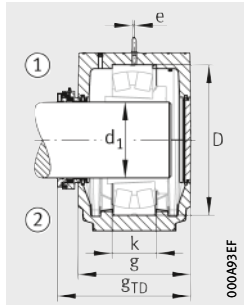
Labyrinth seal LER



Labyrinth seal LER
Endcover EC



Taconite seal TA



Taconite seal TA
Endcover EC

Accessories to be ordered separately				Housing Designation				
Labyrinth seal	Taconite seal							
		g_T	g_{TD}	G	Mass m		Gray cast iron	Ductile cast iron
		inch	inch		≈ lb	≈ kg		
LER138X0513-G-A	TA138X0513	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
LER139X0514-G-A	TA139X0514	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
–	TA140X0515	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
LERS140X0515-N	TAS140X0515	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
LER141X0600-G-A	TA141X0600	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
LERS141X0600-N	TAS141X0600	*13.1*	*11.2*	3/8″ – 16 UNC	197	90	**SAF534X0515U**	**SAFD534X0515U**
LER146X0605-G-A	TA146X0605	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
LER147X0606-G-A	TA147X0606	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
–	TA148X0607	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
LERS148X0607-N	TAS148X0607	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
LER149X0608-G-A	TA149X0608	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
LERS149X0608-N	TAS149X0608	*13.5*	*11.6*	3/8″ – 16 UNC	235	106.5	**SAF536X0607U**	**SAFD536X0607U**
LER153X0613-G-A	TA153X0613	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
LER154X0614-G-A	TA154X0614	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
–	TA155X0615	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
LERS155X0615-N	TAS155X0615	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
LER156X0700-G-A	TA156X0700	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
LERS156X0700-N	TAS156X0700	*14.8*	*12.6*	1/2″ – 13 UNC	272	123.4	**SAF538X0615U**	**SAFD538X0615U**
LER158X0702-G-A	TA158X0702	*15.6*	*13.3*	1/2″ – 13 UNC	340	154	**SAF540X0703U**	**SAFD540X0703U**
–	TA159X0703	*15.6*	*13.3*	1/2″ – 13 UNC	340	154	**SAF540X0703U**	**SAFD540X0703U**
LERS159X0703-N	TAS159X0703	*15.6*	*13.3*	1/2″ – 13 UNC	340	154	**SAF540X0703U**	**SAFD540X0703U**
LER160X0704-G-A	TA160X0704	*15.6*	*13.3*	1/2″ – 13 UNC	340	154	**SAF540X0703U**	**SAFD540X0703U**
LER165X0713-G-A	TA165X0713	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**
LER166X0714-G-A	TA166X0714	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**
–	TA167X0715	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**
LERS167X0715-N	TAS167X0715	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**
LER168X0800-G-A	TA168X0800	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**
LERS168X0800-N	TAS168X0800	*16.1*	*13.9*	1/2″ – 13 UNC	445	202	**SAF544X0715U**	**SAFD544X0715U**

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