

SAF Split Pillow Block Bearing Housed Unit



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OVERVIEW
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About SAF Split Pillow Blocks

The SAF split pillow blocks are manufactured out of heavy-duty cast iron in a wide variety of sizes. They are also available in cast steel and ductile as an option. The LER triple-ring seal comes as standard housing but for applications where contamination is a major concern, other seals are also available upon request.

Part Numbering System

SAF: Two or four bolt pillow block, cast iron
FSAF: Four bolt pillow block, cast iron (optional)
SAFD: Two or four bolt pillow block, ductile iron
SAFS: Two or four bolt pillow block, cast steel

Shaft Size

SAF 22513 2-1/8

225xx Spherical roller bearing

Contact Our Sales Office For Any Technical Information Like :

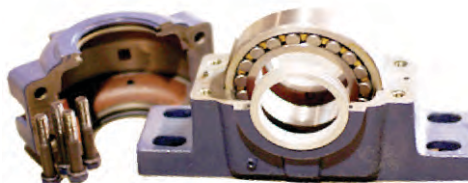
Installation & Maintenance Instructions
Load Ratings
Interchange Information
Component Dimensional Specification
- Grease Fittings
- Set Screw Sizes
- Misalignment Capabilities

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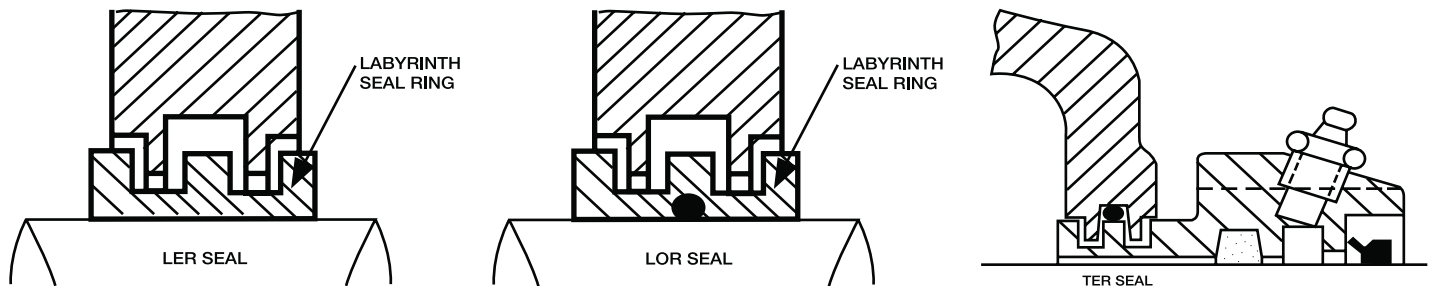


SAF Split Pillow Block Bearing Housing Unit

Housing assembly information

Each assembly includes the housing cap and base, cap bolts, bearing, bearing adapter, locknut and lockwasher, stabilizing ring, triple ring seals. When ordering non-standard housing only specify the shaft size.

Seal Types and their Features



SPECIFICATION		LER	LOR	TER
Max. Speed (3)		Same as bearing's Limiting Speed	Same as bearing's Limiting Speed	7 m/s
Grease Lubrication		●	● ●	● ● ● ●
Oil Lubrication		●	● ●	● ● ● ●
Friction Torque		● ● ● ●	● ● ●	●
Temperature Range		Same as the bearing range	220° F max	-40 thru 220°F
	Dust	●	● ● ●	● ● ● ●
Performance	Large Particles	●	● ●	● ● ● ●
	Water	●	● ●	● ● ● ●

RANKING: ● Good to ● ● ● ● Excellent

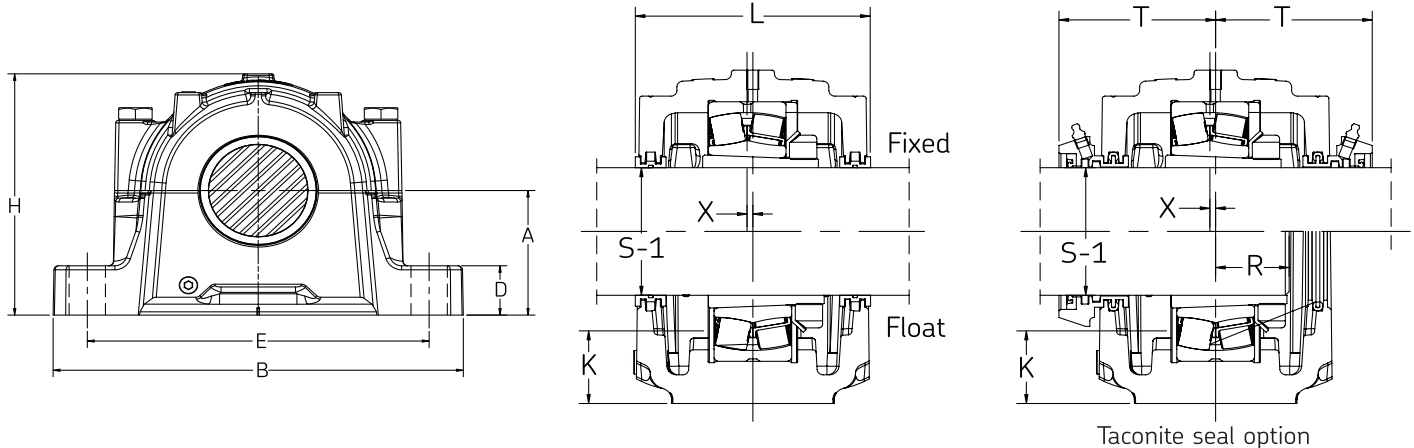
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Split pillow blocks (inch series)

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Split Pillow Block

How To Order	Specify
Two Bolt Base	SAF 22515
Four Bolt Base	FSAF 22515
One End Closed	SAF 22515Y
With Taconite Seal	SAF 22515T
Optional Shaft Size	SAF 22515 X 2-1/2
Ductile Iron Housing	SAFD 22515
Cast Steel Housing	SAFS 22515

SAF Split Bearing Housings are completely split for easy assembly, bearing replacement and inspection

Shaft Diameter

The diameter must be matched with the appropriate bore dimensions of the bearing unit.

Expansion - Non Expansion Applications

One stabilizing ring is supplied with each housing. Do not use stabilizing ring for expansion bearing.

Note: Only one non-expansion bearing should be used on a shaft.

2-BOLT	4-BOLT
SAF22513 -xxx	FSAF22513 -xxx
SAF22515 -xxx	FSAF22515 -xxx
SAF22516 -xxx	FSAF22516 -xxx
SAF22517 -xxx	FSAF22517 -xxx
SAF22518 -xxx	FSAF22518 -xxx
SAF22520 -xxx	FSAF22520 -xxx
	SAF22522 -xxx
	SAF22524 -xxx
	SAF22526 -xxx
	SAF22528 -xxx
	SAF22530 -xxx
	SAF22532 -xxx
	SAF22534 -xxx
	SAF22536 -xxx
	SAF22538 -xxx
	SAF22540 -xxx
	SAF22544 -xxx

** xxx = Size Inches (i.e. 2-1/8")

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Complete Pillow block	Shaft dia. S-1 Standard	Optional*	Bearing	Bearing basic load rating dynamic C	LER grease speed limit	Designations Adaptor assembly	Pillow block housing	Stab. ring (1 reqd)	Triple ring ring (2 reqd)	End Cover	Taconite seal	LOR seal
	in			lbs	r/min							
SAF 22513	2 ³ / ₁₆	2 ¹ / ₈ , 2 ¹ / ₄	22213CAKC3W33	43 400	3 800	SNW 13	SAF 513	SR 13-0	LER 29	EPR 6	TER 29	LOR 29
SAF 22515	2 ⁷ / ₁₆	2 ³ / ₈ , 2 ¹ / ₂	22215CAKC3W33	47 700	3 400	SNW 15	SAF 515	SR 15-0	LER 37	EPR 7	TER 37	LOR 37
SAF 22516	2 ¹¹ / ₁₆	2 ⁵ / ₈ , 2 ³ / ₄	22216CAKC3W33	53 100	3 200	SNW 16	SAF 516	SR 16-13	LER 44	EPR 8	TER 44	LOR 44
SAF 22517	2 ¹⁵ / ₁₆	2 ¹³ / ₁₆ , 2 ⁷ / ₈ , 3	22217CAKC3W33	55 100	3 000	SNW 17	SAF 517	SR 17-14	LER 53	EPR 9	TER 53	LOR 53
SAF 22518	3 ³ / ₁₆	3 ¹ / ₁₆ , 3 ¹ / ₈ , 3 ¹ / ₄	22218CAKC3W33	65 200	2 600	SNW 18	SAF 518	SR 18-15	LER 188	EPR 11	TER 188	LOR 188
SAF 22520	3 ⁷ / ₁₆	3 ⁵ / ₁₆ , 3 ³ / ₈ , 3 ¹ / ₂	22220CAKC3W33	81 000	2 200	SNW 20	SAF 520	SR 20-17	LER 102	EPR 12	TER 102	LOR 102
SAF 22522	3 ¹⁵ / ₁₆	3 ¹³ / ₁₆ , 3 ⁷ / ₈ , 4	22222CAKC3W33	105 000	2 000	SNW 22	SAF 522	SR 22-19	LER 109	EPR 13	TER 109	LOR 109
SAF 22524	4 ³ / ₁₆	4 ¹ / ₁₆ , 4 ¹ / ₈ , 4 ¹ / ₄	22224CAKC3W33	121 000	1 900	SNW 24	SAF 524	SR 24-20	LER 113	EPR 14	TER 113	LOR 113
SAF 22526	4 ⁷ / ₁₆	4 ⁵ / ₁₆ , 4 ³ / ₈ , 4 ¹ / ₂	22226CAKC3W33	142 000	1 800	SNW 26	SAF 526	SR 26-0	LER 117	EPR 15	TER 117	LOR 117
SAF 22528	4 ¹⁵ / ₁₆	4 ¹³ / ₁₆ , 4 ⁷ / ₈ , 5	22228CAKC3W33	160 000	1 700	SNW 28	SAF 528	SR 28-0	LER 122	EPR 27	TER 122	LOR 122
SAF 22530	5 ³ / ₁₆	5 ¹ / ₈ , 5 ¹ / ₄	22230CAKC3W33	191 000	1 600	SNW 30	SAF 530	SR 30-0	LER 125	EPR 16	TER 125	LOR 125
SAF 22532	5 ⁷ / ₁₆	5 ³ / ₈ , 5 ¹ / ₂	22232CAKC3W33	225 000	1 500	SNW 32	SAF 532	SR 32-0	LER 130	EPR 16	TER 130	LOR 130
SAF 22534	5 ¹⁵ / ₁₆	5 ¹³ / ₁₆ , 5 ⁷ / ₈ , 6	22234CAKC3W33	252 000	1 300	SNW 34	SAF 534	SR 34-0	LER 140	EPR 18	TER 140	LOR 140
SAF 22536	6 ⁷ / ₁₆	6 ⁵ / ₁₆ , 6 ³ / ₈ , 6 ¹ / ₂	22236CAKC3W33	265 000	1 300	SNW 36	SAF 536	SR 36-30	LER 148	EPR 19	TER 148	LOR 148
SAF 22538	6 ¹⁵ / ₁₆	6 ¹³ / ₁₆ , 6 ⁷ / ₈ , 7	22238CAKC3W33	286 000	1 200	SNW 38	SAF 538	SR 38-32	LER 155	EPR 21	TER 155	LOR 155
SAF 22540	7 ³ / ₁₆	7 ¹ / ₈ , 7 ¹ / ₄	22240CAKC3W33	328 000	1 100	SNW 40	SAF 540	SR 40-34	LER 159	EPR 21	TER 159	LOR 159
SAF 22544	7 ¹⁵ / ₁₆	7 ¹³ / ₁₆ , 7 ⁷ / ₈ , 8	22244CAKC3W33	396 000	950	SNW 44	SAF 544	SR 44-38	LER 167	EPR 23	TER 167	LOR 167

Designations Complete pillow block	A	B	C	D	E Max	E Min	F	H	Static oil level K	L	X	Bolts (No. reqd)	R	T	Weight
	in														lbs
SAF 22513	3	11	3 ¹ / ₈	1	9 ¹ / ₂	8 ¹ / ₈	—	5 ²¹ / ₃₂	1 ³ / ₃₂	4 ¹ / ₂	5 ⁵ / ₃₂	(2) ⁻⁵ / ₈	1 ²⁵ / ₆₄	3 ⁵ / ₈	23
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 ⁷ / ₆₄	(2) ⁻⁵ / ₈ , (4) ⁻¹ / ₂	1 ⁷ / ₁₆	3 ¹³ / ₁₆	28
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 ³ / ₁₆	(2) ⁻³ / ₄ , (4) ⁻⁵ / ₈	1 ¹⁵ / ₃₂	4 ¹ / ₈	37
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 ³ / ₁₆	(2) ⁻³ / ₄ , (4) ⁻⁵ / ₈	1 ⁹ / ₁₆	3 ²⁹ / ₃₂	38
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 ³ / ₁₆	(2) ⁻³ / ₄ , (4) ⁻⁵ / ₈	1 ³ / ₄	4 ¹ / ₁₆	47
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 ³ / ₁₆	(2) ⁻⁷ / ₈ , (4) ⁻³ / ₄	1 ⁵⁹ / ₆₄	4 ³ / ₈	62
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 ³ / ₁₆	(4) ⁻³ / ₄	2 ¹ / ₈	4 ⁹ / ₁₆	73
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 ³ / ₁₆	(4) ⁻³ / ₄	2 ⁹ / ₃₂	5	104
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 ³ / ₁₆	(4) ⁻⁷ / ₈	2 ¹⁵ / ₃₂	5 ⁵ / ₁₆	144
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 ³ / ₁₆	(4)-1	2 ²⁹ / ₆₄	5 ¹ / ₈	153
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 ³ / ₁₆	(4)-1	2 ³⁹ / ₆₄	5 ¹ / ₂	199
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 ³ / ₁₆	(4)-1	2 ³¹ / ₃₂	5 ¹¹ / ₁₆	212
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 ³ / ₁₆	(4)-1	3 ¹ / ₈	6 ¹ / ₁₆	276
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 ³ / ₁₆	(4)-1	3 ⁹ / ₆₄	6 ¹ / ₄	301
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 ³ / ₁₆	(4) ⁻¹ / ₄	3 ¹⁹ / ₆₄	6 ¹¹ / ₁₆	374
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 ³ / ₁₆	(4) ⁻¹ / ₄	3 ¹ / ₂	7 ¹ / ₁₆	443
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 ³ / ₁₆	(4) ⁻¹ / ₂	3 ⁵ / ₈	7 ¹ / ₄	577

Example : 222XXCAKC3W33

XX = Bearing Size, CA = Brass Retainer/Cage

K = Taper Bore, C3 = Internal Clearance

W33 = Lube Groove With 3 Holes

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