



SAF SERIES SPLIT PILLOW BLOCKS

HOUSING ASSEMBLY COMPONENTS AND DIMENSIONS





TO PRESERVE AND PROTECT

SAF SPLIT PILLOW BLOCKS

Absorb mechanical shock and impact. Distribute loads and dampen vibration. Resist contaminants, corrosion and extreme temperatures. Retain clean lubrication.

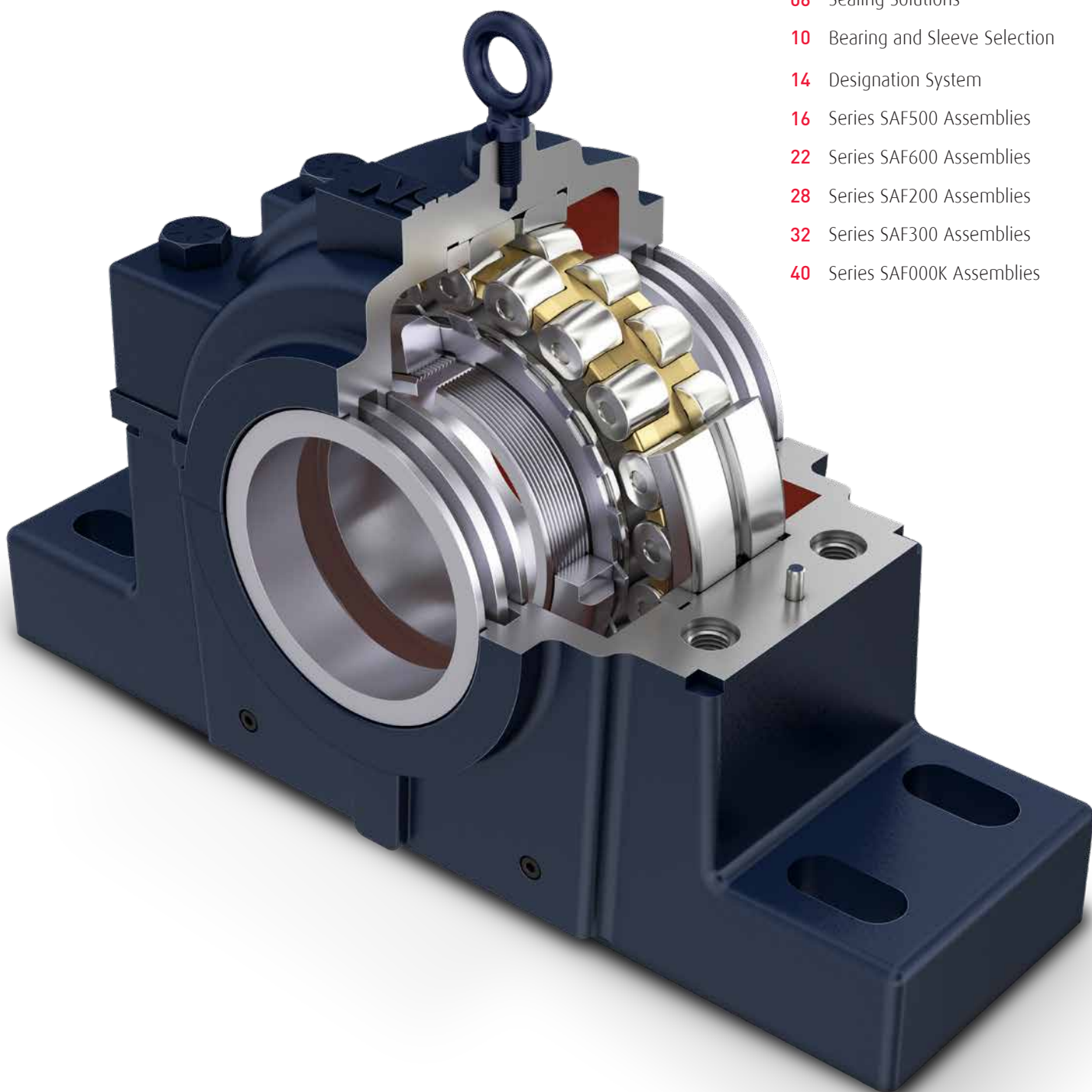
In metal mills, mines and quarries, cement plants, pulp, paper and sawmills, power generation and utilities, SAF split pillow blocks preserve the long-life performance of NSK rolling bearings by protecting them from harsh and potentially damaging environmental and mechanical conditions. In addition to their inherent durability, SAF housings offer distinct operating advantages that include:

- › Easy handling, with simplified installation and ongoing bearing inspection / maintenance
- › Versatility, with a wide range of sizes and configurations to meet shaft and load requirements and virtually eliminate the need for custom housings

For optimal bearing performance, even under the most challenging service conditions, SAF split pillow block housings deliver strength, durability and versatility to achieve operational reliability.

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Clockwise from foreground:
SAF split pillow blocks manufactured from cast iron, ductile iron and cast steel

Fig. 1: High grade SAF housing materials

Housing material type	ISO Material code	U.S. Material code	Tensile strength	Yield strength	Elongation
			kgf/mm ²	kgf/mm ²	
Cast Iron - SAF	Grade 200 (FC200)	ASTM A48 Grade 30	20	--	--
Ductile Iron - SAFD	Grade 450-10 (FCD 450)	ASTM A536 Grade 65-45-12	45	30	10%
Cast Steel - SAFS	Grade 230-450 (SC 450)	ASTM A27 Grade 65-35	46	23	19%

BASIC DESIGN FEATURES



HOUSING MATERIAL

SAF split pillow blocks are available in cast iron, ductile iron and cast steel.

- › **cast iron** is typically offered as standard, owing to its ability to accommodate normal to moderate loads, dampen vibration, dissipate heat and resist corrosion and wear
- › ductile iron or cast steel housings are recommended for increasingly severe loads, environments and operating conditions

Refer to **Figure 1** for basic material properties.

SEAL OPTIONS

Non-contact labyrinth seals are provided as standard. For increasingly challenging operating environments, heavy-duty seals are available. Refer to **page 6** for NSK seal design options.

BEARING SELECTION

SAF split pillow blocks are designed to accommodate spherical roller bearings and self-aligning ball bearings with cylindrical and tapered bores. Refer to **page 8** for bearing design options and arrangements.

SHAFT ARRANGEMENTS AND DIAMETER RANGE

SAF split pillow blocks are available for plain shafts and stepped shafts ranging in size from 1-7/16 to 10-1/2". Refer to **Figure 2** for details by housing series.

MOUNTING

Depending on size, housings are machined with two-bolt or four-bolt base mounting holes. Similarly, housing caps are equipped with one or two bolts for securing the caps to the housing base.

For larger sized housings, caps are equipped with eyebolts for lifting housings into position.

LUBRICATION

Both grease and oil bath lubrication are possible. Housings are equipped with multiple relubrication and purging points. Internal cross-porting facilitates optimal lubricant distribution.

For initial grease fill or oil level, **contact NSK**.

Fig. 2: SAF pillow block shaft arrangements and diameter range

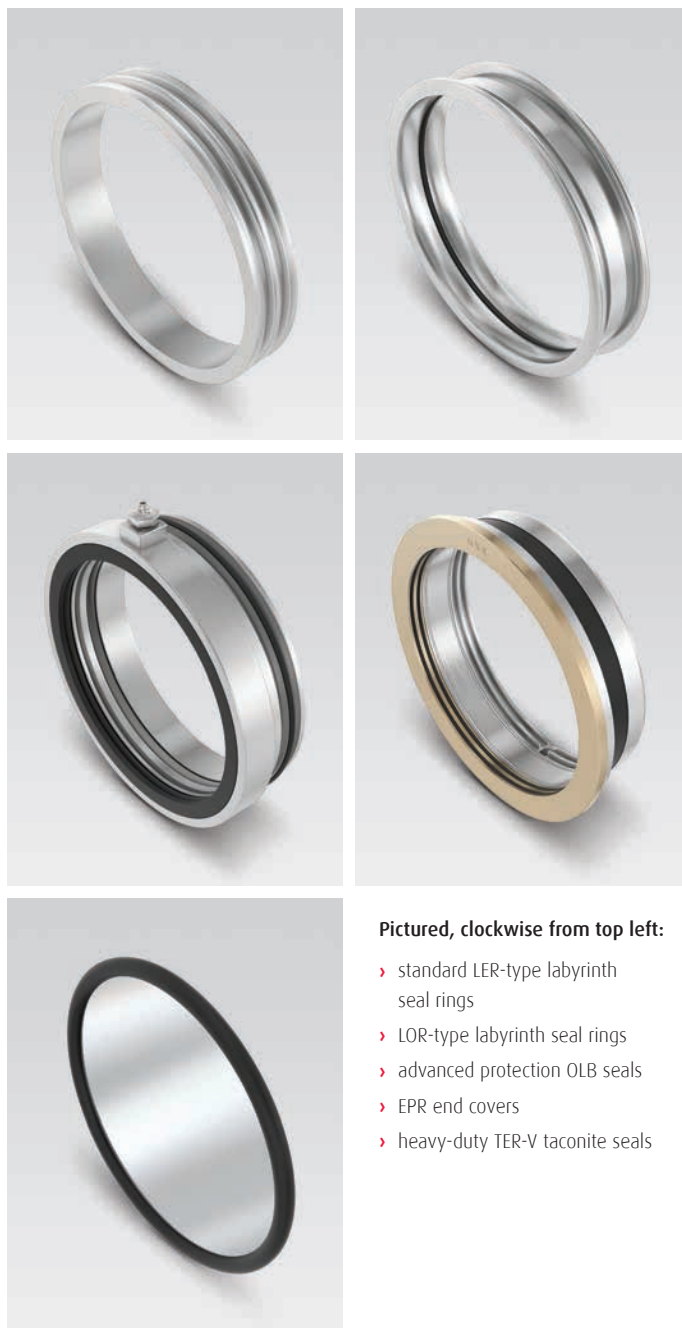
DESIGN CHARACTERISTICS	SPLIT PILLOW BLOCK SERIES				
	SAF 500	SAF 600	SAF 200	SAF 300	SAF 000
Shaft size range	1-7/16 to 7-15/16"	1-7/16 to 7-3/16"	3 to 8-5/16"	1-7/16 to 7-5/8"	4-3/16 to 10-1/2"
Shaft design	plain shaft	plain shaft	stepped shaft	stepped shaft	plain shaft
Bearing series	12K, 22K, 222K	13K, 23K, 213K, 223K	12, 22, 222	13, 23, 213, 223	230K

SEALING SOLUTIONS FOR TROUBLE-FREE OPERATION

SAF split pillow block seals play a pivotal role in trouble-free bearing operation, preserving clean lubricant inside the housing and preventing the ingress of external contaminants. Selection of appropriate sealing is based not only on the severity of the application environment, but also with consideration of lubrication method, operating speeds, seal torque and temperatures.

NSK offers a range of sealing solutions designed to achieve optimal bearing performance in a variety of application conditions and environments (refer to **Figure 3**).

- › **LER-type labyrinth seal rings** are a general-duty floating seal standardly provided with SAF pillow blocks. A trio of rings form a self-locating labyrinth within the seal grooves of the housing.
- › **LOR-type labyrinth seal rings** are dimensionally interchangeable with LER seals and are equipped with an O-ring bore seal, providing a snug fit that enables the seal to rotate along with the shaft.
- › **Heavy-duty TER-V taconite seals** are equipped with an inboard felt seal, grease-charged channel, an outboard spring-loaded oil seal. An O-ring seal locates the seal in the housing seal labyrinth. A grease fitting permits purging grease and contaminants trapped with the seal cavity.
- › **Advanced protection OLB seals** are a non-contact mechanical stator and rotor seal design with a labyrinth of two collection chambers and a drainage port, enabling exclusion and expelling of high volumes of contaminants. Viton® drive O-rings align the OLB rotor to both the stator and the shaft. The OLB stator employs Teflon® cords for shaft alignment and a Viton pillow block sealing sleeve.
- › **EPR end covers** are rubber-rimmed metal plates that fit tightly into the seal groove of SAF pillow blocks, used whenever the housing assembly is located at the end of a shaft.



Pictured, clockwise from top left:

- › standard LER-type labyrinth seal rings
- › LOR-type labyrinth seal rings
- › advanced protection OLB seals
- › EPR end covers
- › heavy-duty TER-V taconite seals

Fig. 3: Seal options and performance characteristics

OPERATING CHARACTERISTICS		SEAL TYPE AND RELATIVE PERFORMANCE			
		LER	LOR	TER-V	OLB
PERFORMANCE	Grease lubrication	fair	good	excellent	excellent
	Oil lubrication	fair	good	good	excellent
	Friction torque	very good	good	fair	excellent
	Speed	same as bearing	same as bearing	7 m/s	same as bearing
	Temperature range	same as bearing	220°F maximum	-40 to 220°F	250°F maximum ¹⁾
PROTECTION	Dust resistance	fair	good	excellent	excellent
	Fine particle resistance	fair	good	excellent	excellent
	Large particle resistance	fair	good	excellent	excellent
	Resistant to water intrusion	poor	fair	excellent	excellent

1) Applies to standard OLB seals. High temperature options are available - contact NSK.

ADVANCED PROTECTION: OLB SEALS

For sealed-clean reliability, OLB seals deliver unparalleled protection against water and contaminant ingress with considerable upside including:

- › easy installation - special evaporating grease facilitates locating the seals on the shaft
- › compact design - no significant increase to housing assembly width
- › maintenance-free - no grease is required
- › longer seal life - non-contact design eliminates wear



SEAL OPTIONS FOR SAF SPLIT PILLOW BLOCKS

REFERENCE GUIDE BY SHAFT SIZE AND SERIES

SHAFT DIAMETER	SAF SPLIT PILLOW BLOCK SERIES AND SIZE							SEAL TYPE AND PART NUMBER			
	500	200		600	300		000K	LER	LOR	TER-V	OLB
in	S1	S2	S3	S1	S2	S3	S1				
1-7/16	509			609		308		LER 17	LOR 17	TER 17-V	OLB 17
1-11/16	510			610		309		LER 20	LOR 20	TER 20-V	OLB 20
1-7/8						310		LER 23	LOR 23	TER 23-V	OLB 23
1-15/16	511			611	308			LER 24	LOR 24	TER 24-V	OLB 24
2-1/16						311		LER 27	LOR 27	TER 27-V	OLB 27
2-1/8					309			LER 28	LOR 28	TER 28-V	OLB 28
2-3/16	513							LER 29	LOR 29	TER 29-V	OLB 29
2-3/16				613				LER 32	LOR 32	TER 32-V	OLB 32
2-3/8					310			LER 35	LOR 35	TER 35-V	OLB 35
2-7/16	515			615		313		LER 37	LOR 37	TER 37-V	OLB 37
2-9/16					311			LER 40	LOR 40	TER 40-V	OLB 40
2-5/8						314		LER 43	LOR 43	TER 43-V	OLB 43
2-11/16	516			616				LER 44	LOR 44	TER 44-V	OLB 44
2-13/16						315		LER 46	LOR 46	TER 46-V	OLB 46
2-15/16	517							LER 53	LOR 53	TER 53-V	OLB 53
2-15/16				617				LER 184	LOR 184	TER 184-V	OLB 184
3		216						LER 54	LOR 54	TER 54-V	OLB 54
3						316		LER 60	LOR 60	TER 60-V	OLB 60
3-1/16					313			LER 55	LOR 55	TER 55-V	OLB 55
3-3/16	518			618		317		LER 188	LOR 188	TER 188-V	OLB 188
3-3/16		217						LER 63	LOR 63	TER 63-V	OLB 63
3-1/4					314			LER 64	LOR 64	TER 64-V	OLB 64
3-3/8		218				318		LER 191	LOR 191	TER 191-V	OLB 191
3-7/16	520			620				LER 102	LOR 102	TER 102-V	OLB 102
3-7/16					315			LER 79	LOR 79	TER 79-V	OLB 79
3-5/8		216						LER 82	LOR 82	TER 82-V	OLB 82
3-5/8					316			LER 84	LOR 84	TER 84-V	OLB 84
3-13/16			220			320		LER 106	LOR 106	TER 106-V	OLB 106
3-15/16	522			622	317			LER 109	LOR 109	TER 109-V	OLB 109
3-15/16		217						LER 89	LOR 89	TER 89-V	OLB 89
4-1/8		218			318			LER 112	LOR 112	TER 112-V	OLB 112
4-3/16	524		222	624		322	024K	LER 113	LOR 113	TER 113-V	OLB 113
4-7/16	526			626			026K	LER 117	LOR 117	TER 117-V	OLB 117
4-1/2		220			320			LER 118	LOR 118	TER 118-V	OLB 118
4-9/16			224			324		LER 119	LOR 119	TER 119-V	OLB 119

SHAFT DIAMETER	SAF SPLIT PILLOW BLOCK SERIES AND SIZE							SEAL TYPE AND PART NUMBER			
	500	200		600	300		000	LER	LOR	TER-V	OLB
in	S1	S2	S3	S1	S2	S3	S1				
4-7/8	222		322					LER 121	LOR 121	TER 121-V	OLB 121
4-15/16	528	226		628	326		028K	LER 122	LOR 122	TER 122-V	OLB 122
5-3/16	530			630			030K	LER 125	LOR 125	TER 125-V	OLB 125
5-5/16	224		228	324		328		LER 127	LOR 127	TER 127-V	OLB 127
5-7/16	532			632			032K	LER 130	LOR 130	TER 130-V	OLB 130
5-3/4			230			330		LER 134	LOR 134	TER 134-V	OLB 134
5-7/8	226				326			LER 136	LOR 136	TER 136-V	OLB 136
5-15/16	534			634			034K	LER 140	LOR 140	TER 140-V	OLB 140
6-1/16			232			332		LER 142	LOR 142	TER 142-V	OLB 142
6-1/4	228				328			LER 144	LOR 144	TER 144-V	OLB 144
6-7/16	536	234		636	334		036K	LER 148	LOR 148	TER 148-V	OLB 148
6-5/8	230				330			LER 151	LOR 151	TER 151-V	OLB 151
6-7/8			236			336		LER 154	LOR 154	TER 154-V	OLB 154
6-15/16	538			638			038K	LER 155	LOR 155	TER 155-V	OLB 155
7	232				332			LER 156	LOR 156	TER 156-V	OLB 156
7-3/16	540			640			040K	LER 159	LOR 159	TER 159-V	OLB 159
7-1/4			238			338		LER 160	LOR 160	TER 160-V	OLB 160
7-7/16	234				334			LER 161	LOR 161	TER 161-V	OLB 161
7-5/8			240			340		LER 164	LOR 164	TER 164-V	OLB 164
7-13/16	236				336			LER 165	LOR 165	TER 165-V	OLB 165
7-15/16	544					044K		LER 167	LOR 167	TER 167-V	OLB 167
8-5/16			244					LER 170	LOR 170	TER 170-V	OLB 170
8-3/8	238				338			LER 171	LOR 171	TER 171-V	OLB 171
8-7/16							048K	LER 550	LOR 550	TER 550-V	OLB 550
8-1/2							048K	LER 551	LOR 551	TER 551-V	OLB 551
8-3/4	240				340			LER 175	LOR 175	TER 175-V	OLB 175
8-15/16							048K	LER 552	LOR 552	TER 552-V	OLB 552
9							048K	LER 513	LOR 513	TER 513-V	OLB 513
9-7/16							052K	LER 553	LOR 553	TER 553-V	OLB 553
9-1/2							052K	LER 178	LOR 178	TER 178-V	OLB 178
9-9/16	244							LER 179	LOR 179	TER 179-V	OLB 179
9-15/16							056K	ER 751	LOR 751	TER 751-V	OLB 751
10							056K	ER 705	LOR 705	TER 705-V	OLB 705
10-7/16							056K	ER 745	LOR 745	TER 745-V	OLB 745
10-1/2							056K	ER 710	LOR 710	TER 710-V	OLB 710

BEARING SELECTION PURPOSE-ENGINEERED PERFORMANCE

SAF split pillow blocks are designed to accommodate both spherical roller bearings for medium to heavy-duty applications and self-aligning ball bearings for light duty, described below and illustrated in **Figure 4**.

Bearings are available with tapered and cylindrical bores, depending on shaft arrangement and mounting method, and radial internal clearances C2, C-normal, C3, C4 and C5.

SAF housings are machined to accommodate bearings in both locating and non-location positions. The bearing seat width in the housing permits axial displacement of non-locating bearings. For locating positions, stabilizing rings are used to secure the bearing axially within the housing.

Shaft-bearing combinations

Bearings in SAF split pillow blocks are typically mounted in the following combinations:

- › **on a plain shaft** with a tapered bore bearing on an adapter sleeve (for SAF 500, 600 and 000K series)
- › **on a stepped shaft** with a cylindrical bore bearing on a cylindrical seat (for SAF 200 and 300 series)

Tapered bore bearings can be mounted on stepped shafts with adapter or withdrawal sleeves, but additional machining and/or spacers are required.



NSKHPS spherical roller bearings

Engineered to outperform and outlast, NSKHPS spherical roller bearings deliver utmost load-carrying capacity and limiting speed. Available with wear-resistant pressed steel and heavy-duty machined brass cages.

- › series 213, 222, 223 and 230
- › for shaft diameters up to 280 mm or 10-1/2"



Extra-capacity ECA spherical roller bearings

Boasting an advanced, guide ring-free machined cage and optimized complement of larger rollers, ECA spherical roller bearings deliver unrivalled capacity and speed.

- › series 222 and 223
- › for shaft diameters up to 130 mm or 4-15/16"



Self-aligning ball bearings

Double-row self-aligning ball bearings are a viable alternative to spherical roller bearings in split pillow block applications with light to moderate loads and high speeds.

- › series 12, 13, 22 and 23
- › for shaft diameters up to 110 mm or 4-3/16"

Fig. 4: Bearing selection for SAF split pillow blocks

BEARING TYPE / SERIES		SPLIT PILLOW BLOCK SERIES AND BEARING SIZE RANGE				
		SAF 500	SAF 600	SAF 200	SAF 300	SAF 000K
SPHERICAL ROLLER	213 series		21309K to 21322K		21308 to 21322	
	222 series	22209K to 22244K		22216 to 22244		
	223 series		22309K to 22340K		22308 to 22340	
	230 series					23024K to 23056K
SELF-ALIGNING BALL	12 series	1209K to 1222K		1216 to 1222		
	13 series		1309K to 1322K		1308 to 1322	
	22 series	2209K to 2222K		2216 to 2222		
	23 series		2309K to 2322K		2308 to 2322	

FOR SEVERE OPERATING ENVIRONMENTS

NSK's pioneering Tough Steel spherical roller bearings with removable seals are designed to deliver long-life resistance to contamination while enabling greater accuracy and proficiency with installation.

Upgrading is modification-free with dimensional equivalence to ISO standard spherical roller bearings.

Available for SAF 500 series split pillow blocks.
Contact NSK.



BEARINGS AND SLEEVES FOR SAF SPLIT PILLOW BLOCKS

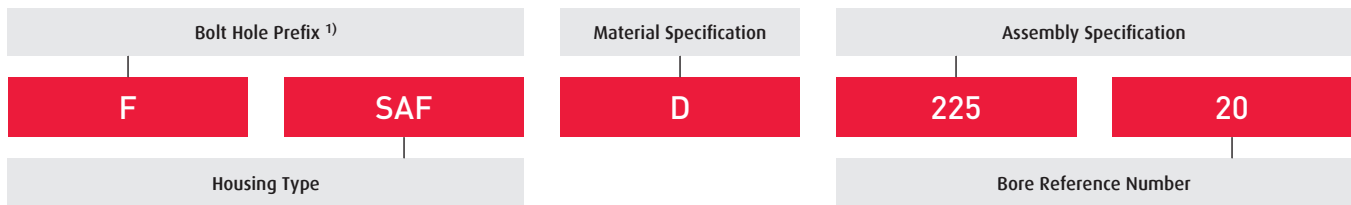
REFERENCE GUIDE BY SHAFT SIZE AND SERIES

SHAFT DIAMETER (S1)	NOMINAL BORE DIAMETER (d)	PILLOW BLOCK ASSEMBLY COMPONENTS				
		Pillow block housing	Bearing type		Adapter sleeve type	
in	mm		Self-aligning ball	Spherical roller	ANSI standard	ISO standard
1-7/16	45	SAF 509	1209 K		SNW 09 / 1.7/16	HA 209 x 1-7/16
		SAF 509	2209 K	22209 K	SNW 09 / 1.7/16	HA 309 x 1-7/16
		SAF 609	1309 K	21309 K	SNW 09 / 1.7/16	HA 309 x 1-7/16
		SAF 609	2309 K	22309 K	SNW 2309 / 1.7/16	HA 2309 x 1-7/16
1-11/16	50	SAF 510	1210 K		SNW 10 / 1.11/16	HA 210 x 1-11/16
		SAF 510	2210 K	22210 K	SNW 10 / 1.11/16	HA 310 x 1-11/16
		SAF 610	1310 K	21310 K	SNW 10 / 1.11/16	HA 310 x 1-11/16
		SAF 610	2310 K	22310 K	SNW 2310 / 1.11/16	HA 2310 x 1-11/16
1-15/16	55	SAF 511	1211 K		SNW 11 / 1.15/16	HA 211 x 1-15/16
		SAF 511	2211 K	22211 K	SNW 11 / 1.15/16	HA 311 x 1-15/16
		SAF 611	1311 K	21311 K	SNW 11 / 1.15/16	HA 311 x 1-15/16
		SAF 611	2311 K	22311 K	SNW 2311 / 1.15/16	HA 2311 x 1-15/16
2-3/16	65	SAF 513	1213 K		SNW 13 / 2.3/16	HA 213 x 2-3/16
		SAF 513	2213 K	22213 K	SNW 13 / 2.3/16	HA 313 x 2-3/16
		SAF 613	1313 K	21313 K	SNW 13 / 2.3/16	HA 313 x 2-3/16
		SAF 613	2313 K	22313 K	SNW 2313 / 2.3/16	HA 2313 x 2-3/16
2-7/16	75	SAF 515	1215 K		SNW 15 / 2.7/16	HA 215 x 2-7/16
		SAF 515	2215 K	22215 K	SNW 15 / 2.7/16	HA 315 x 2-7/16
		SAF 615	1315 K	21315 K	SNW 15 / 2.7/16	HA 315 x 2-7/16
		SAF 615	2315 K	22315 K	SNW 2315 / 2.7/16	HA 2315 x 2-7/16
2-11/16	80	SAF 516	1216 K		SNW 16 / 2.11/16	HA 216 x 2-11/16
		SAF 516	2216 K	22216 K	SNW 16 / 2.11/16	HA 316 x 2-11/16
		SAF 616	1316 K	21316 K	SNW 16 / 2.11/16	HA 316 x 2-11/16
		SAF 616	2316 K	22316 K	SNW 2316 / 2.11/16	HA 2316 x 2-11/16
2-15/16	85	SAF 517	1217 K		SNW 17 / 2.15/16	HA 217 x 2-15/16
		SAF 517	2217 K	22217 K	SNW 17 / 2.15/16	HA 317 x 2-15/16
		SAF 617	1317 K	21317 K	SNW 17 / 2.15/16	HA 317 x 2-15/16
		SAF 617	2317 K	22317 K	SNW 2317 / 2.15/16	HA 2317 x 2-15/16
3-3/16	90	SAF 518	1218 K		SNW 18 / 3.3/16	HA 218 x 3-3/16
		SAF 518	2218 K	22218 K	SNW 18 / 3.3/16	HA 318 x 3-3/16
		SAF 618	1318 K	21318 K	SNW 18 / 3.3/16	HA 318 x 3-3/16
		SAF 618	2318 K	22318 K	SNW 2318 / 3.3/16	HA 2318 x 3-3/16
3-7/16	100	SAF 520	1220 K		SNW 20 / 3.7/16	HA 220 x 3-7/16
		SAF 520	2220 K	22220 K	SNW 20 / 3.7/16	HA 320 x 3-7/16
		SAF 620	1320 K	21320 K	SNW 20 / 3.7/16	HA 320 x 3-7/16
		SAF 620	2320 K	22320 K	SNW 2320 / 3.7/16	HA 2320 x 3-7/16
3-15/16	110	SAF 522	1222 K		SNW 22 / 3.15/16	HA 222 x 3-15/16
		SAF 522	2222 K	22222 K	SNW 22 / 3.15/16	HA 322 x 3-15/16
		SAF 622	1322 K	21322 K	SNW 22 / 3.15/16	HA 322 x 3-15/16
		SAF 622	2322 K	22322 K	SNW 2322 / 3.15/16	HA 2322 x 3-15/16

SHAFT DIAMETER (S1)	NOMINAL BORE DIAMETER (d)	PILLOW BLOCK ASSEMBLY COMPONENTS				
		Pillow block housing	Bearing type		Adapter sleeve type	
in	mm		Self-aligning ball	Spherical roller	ANSI standard	ISO standard
4-3/16	120	SAF 524		22224 K	SNW 24 / 4.3/16	HA 3124 x 4-3/16
		SAF 624		22324 K	SNW 2324 / 4.3/16	HA 2324 x 4-3/16
		SAF 024		23024 K	SNW 3024 / 4.3/16	
4-7/16	130	SAF 526		22226 K	SNW 26 / 4.7/16	HA 3126 x 4-7/16
		SAF 626		22326 K	SNW 2326 / 4.7/16	HA 2326 x 4-7/16
		SAF 026		23026 K	SNW 3026 / 4.7/16	
4-15/16	140	SAF 528		22228 K	SNW 28 / 4.15/16	HA 3128 x 4-15/16
		SAF 628		22328 K	SNW 2328 / 4.15/16	HA 2328 x 4-15/16
		SAF 028		23028 K	SNW 3028 / 4.15/16	
5-3/16	150	SAF 530		22230 K	SNW 30 / 5.3/16	HA 3130 x 5-3/16
		SAF 630		22330 K	SNW 2330 / 5.3/16	HA 2330 x 5-3/16
		SAF 030		23030 K	SNW 3030 / 5.3/16	
5-7/16	160	SAF 532		22232 K	SNW 32 / 5.7/16	HA 3132 x 5-7/16
		SAF 632		22332 K	SNW 2332 / 5.7/16	HA 2332 x 5-7/16
		SAF 032		23032 K	SNW 3032 / 5.7/16	
5-15/16	170	SAF 534		22234 K	SNW 34 / 5.15/16	HA 3134 x 5-15/16
		SAF 634		22334 K	SNW 2334 / 5.15/16	HA 2334 x 5-15/16
		SAF 034		23034 K	SNW 3034 / 5.15/16	
6-7/16	180	SAF 536		22236 K	SNW 36 / 6.7/16	HA 3136 x 6-7/16
		SAF 636		22336 K	SNW 2336 / 6.7/16	HA 2336 x 6-7/16
		SAF 036		23036 K	SNW 3036 / 6.7/16	
6-15/16	190	SAF 538		22238 K	SNW 38 / 6.15/16	HA 3138 x 6-15/16
		SAF 638		22338 K	SNW 2338 / 6.15/16	HA 2338 x 6-15/16
		SAF 038		23038 K	SNW 3038 / 6.15/16	
7-3/16	200	SAF 540		22240 K	SNW 40 / 7.3/16	HA 3140 x 7-3/16
		SAF 640		22340 K	SNW 2340 / 7.3/16	HA 2340 x 7-3/16
		SAF 040		23040 K	SNW 3040 / 7.3/16	
7-15/16	220	SAF 544		22244 K	SNW 44 / 7.15/16	HA 3144 x 7-15/16
		SAF 044		23044 K	SNW 3044 / 7.15/16	
8-7/16	240	SAF 048		23048 K	SNP 3048 / 8.7/16	
8-1/2	240	SAF 048		23048 K	SNP 3048 / 8.1/2	
8-15/16	240	SAF 048		23048 K	SNP 3048 / 8.15/16	
9	240	SAF 048		23048 K	SNP 3048 / 9	
9-7/16	260	SAF 052		23052 K	SNP 3052 / 9.7/16	
9-1/2	260	SAF 052		23052 K	SNP 3052 / 9.1/2	
9-15/16	280	SAF 056		23056 K	SNP 3056 / 9.15/16	
10	280	SAF 056		23056 K	SNP 3056 / 10	
10-7/16	280	SAF 056		23056 K	SNP 3056 / 10.7/16	
10-1/2	280	SAF 056		23056 K	SNP 3056 / 10.1/2	

DESIGNATION SYSTEM

SAF SERIES SPLIT PILLOW BLOCK ASSEMBLIES



DESIGNATION	ATTRIBUTE
Bolt hole prefix ¹⁾	blank
	F
Housing type	SAF
Material specification	blank
	D
	S
Assembly specification	12
	13
	15
	16
	22
	23
	25
	26

DESIGNATION	ATTRIBUTE
Assembly specification	213
	216
	222
	223
	225
	226
	230
Bore reference number	

1) Prefix "F" is used to specify a four-bolt base alternative for a limited range of pillow block sizes that are otherwise available with two-bolt bases as standard:

- SAF 216 - 220, SAF 311 to 317, SAF 513 to 520 and SAF 611 to 617

ASSEMBLY COMPONENTS AND DIMENSIONS

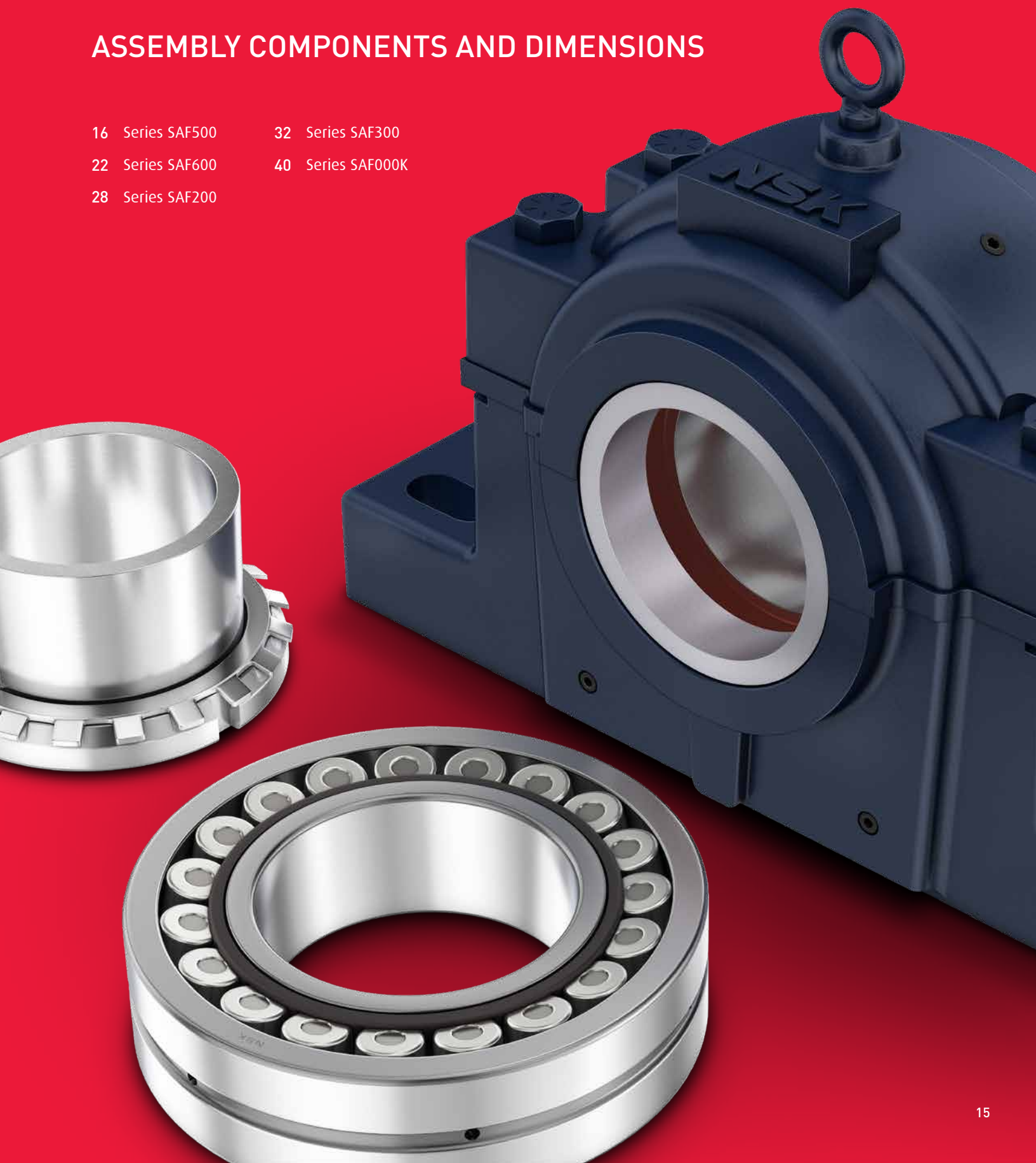
16 Series SAF500

22 Series SAF600

28 Series SAF200

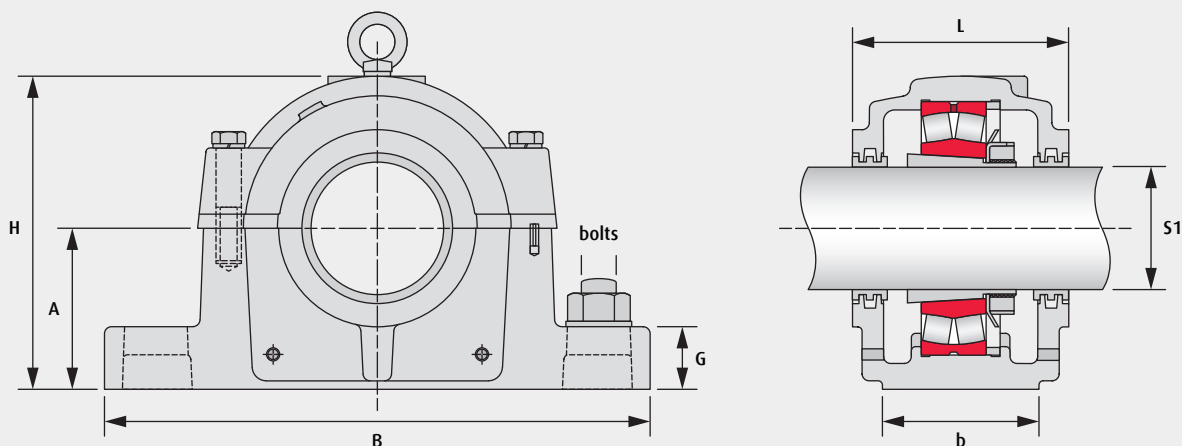
32 Series SAF300

40 Series SAF000K



SAF500 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 1-7/16 to 2-7/16"

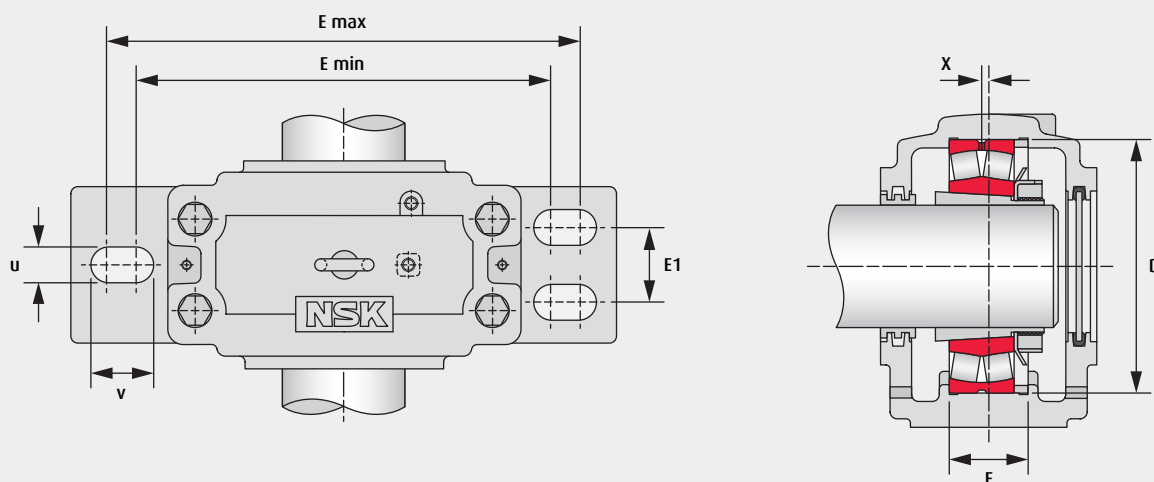


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
1-7/16	SAF 1509 SAF 2509 SAF 22509	SAF 509	1209 K 2209 K 22209 K	SNW 09 / 1.7/16	LER 17	1 x SR-9-0 1 x SR-9-9 1 x SR-9-9	EPR 3
1-11/16	SAF 1510 SAF 2510 SAF 22510	SAF 510	1210 K 2210 K 22210 K	SNW 10 / 1.11/16	LER 20	1 x SR-10-8 1 x SR-10-0 1 x SR-10-0	EPR 4
1-15/16	SAF 1511 SAF 2511 SAF 22511	SAF 511	1211 K 2211 K 22211 K	SNW 11 / 1.15/16	LER 24	1 x SR-11-9 1 x SR-11-0 1 x SR-11-0	EPR 5
2-3/16	SAF 1513 SAF 2513 SAF 22513	SAF 513	1213 K 2213 K 22213 K	SNW 13 / 2.3/16	LER 29	2 x SR-13-0 1 x SR-13-0 1 x SR-13-0	EPR 6
	FSAF 1513 FSAF 2513 FSAF 22513	FSAF 513	1213 K 2213 K 22213 K	SNW 13 / 2.3/16	LER 29	2 x SR-13-0 1 x SR-13-0 1 x SR-13-0	EPR 6
2-7/16	SAF 1515 SAF 2515 SAF 22515	SAF 515	1215 K 2215 K 22215 K	SNW 15 / 2.7/16	LER 37	2 x SR-15-0 1 x SR-15-0 1 x SR-15-0	EPR 7
	FSAF 1515 FSAF 2515 FSAF 22515	FSAF 515	1215 K 2215 K 22215 K	SNW 15 / 2.7/16	LER 37	2 x SR-15-0 1 x SR-15-0 1 x SR-15-0	EPR 7

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

2) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

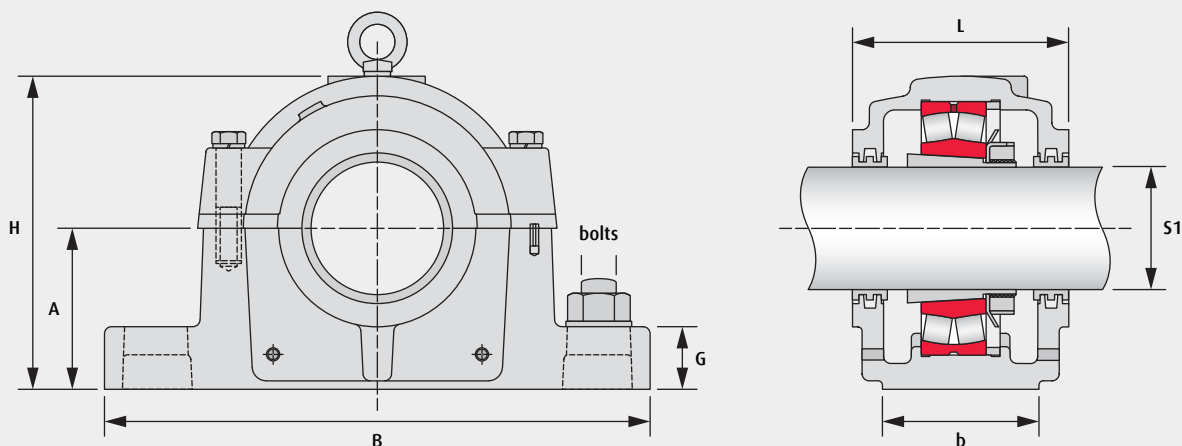
3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
2-1/4	8-1/4	2-3/8	13/16	7	6-1/4	--	4-3/8	3-5/8	0.114	16.0	25.5	2 x 1/2	85	29	9.2
2-1/2	8-1/4	2-3/8	15/16	7	6-1/2	--	4-3/4	3-5/8	0.133	16.0	22.4	2 x 1/2	90	30	10.1
2-3/4	9-5/8	2-3/4	15/16	7-7/8	7-3/8	--	5-1/4	3-7/8	0.114	19.0	25.4	2 x 5/8	100	31	12.8
3	11	3-1/8	1	9-1/2	8-1/8	--	5-15/16	4-1/2	0.157	19.0	36.5	2 x 5/8	120	39	19
3	11	3-1/8	1	9-1/2	8-1/8	2	5-15/16	4-1/2	0.157	16	33.5	4 x 1/2	120	39	19
3-1/4	11-1/4	3-1/8	1-1/8	9-5/8	8-5/8	--	6-3/8	4-3/4	0.118	19.0	31.8	2 x 5/8	130	37	18.3
3-1/4	11-1/4	3-1/8	1-1/8	9-5/8	8-5/8	1-7/8	6-3/8	4-3/4	0.118	16	28.7	4 x 1/2	130	37	18.3

SAF500 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 2-11/16 to 3-3/16"

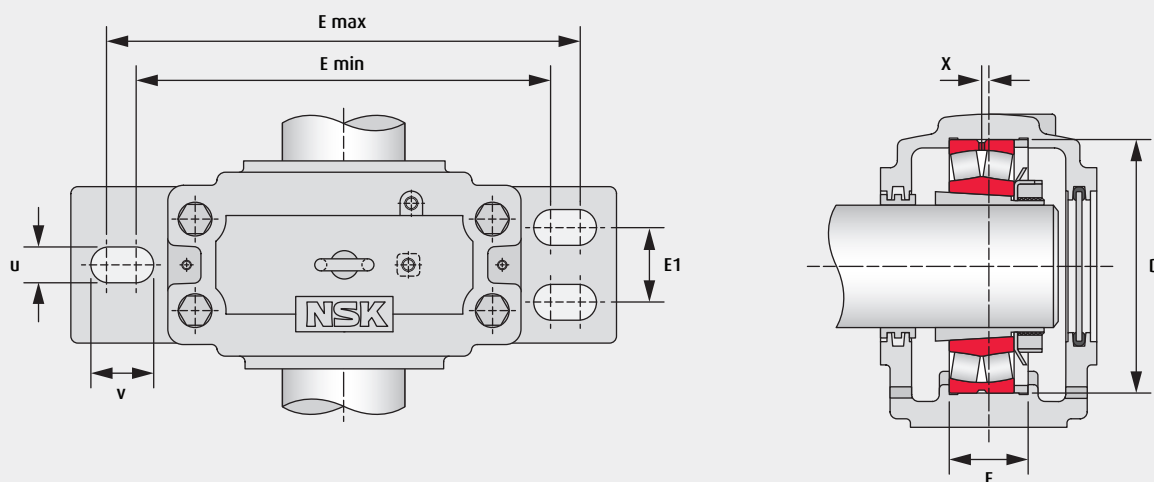


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
2-11/16	SAF 1516	SAF 516	1216 K	SNW 16 / 2.11/16	LER 44	2 x SR-15-16	EPR 8
	SAF 2516		2216 K			1 x SR-16-13	
	SAF 22516		22216 K			1 x SR-16-13	
	FSAF 1516	FSAF 516	1216 K	SNW 16 / 2.11/16	LER 44	2 x SR-15-16	EPR 8
	FSAF 2516		2216 K			1 x SR-16-13	
	FSAF 22516		22216 K			1 x SR-16-13	
2-15/16	SAF 1517	SAF 517	1217 K	SNW 17 / 2.15/16	LER 53	2 x SR-15-17	EPR 9
	SAF 2517		2217 K			1 x SR-17-14	
	SAF 22517		22217 K			1 x SR-17-14	
	FSAF 1517	FSAF 517	1217 K	SNW 17 / 2.15/16	LER 53	2 x SR-15-17	EPR 9
	FSAF 2517		2217 K			1 x SR-17-14	
	FSAF 22517		22217 K			1 x SR-17-14	
3-3/16	SAF 1518	SAF 518	1218 K	SNW 18 / 3.3/16	LER 188	2 x SR-15-18	EPR 11
	SAF 2518		2218 K			1 x SR-18-15	
	SAF 22518		22218 K			1 x SR-18-15	
	FSAF 1518	FSAF 518	1218 K	SNW 18 / 3.3/16	LER 188	2 x SR-15-18	EPR 11
	FSAF 2518		2218 K			1 x SR-18-15	
	FSAF 22518		22218 K			1 x SR-18-15	

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

2) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

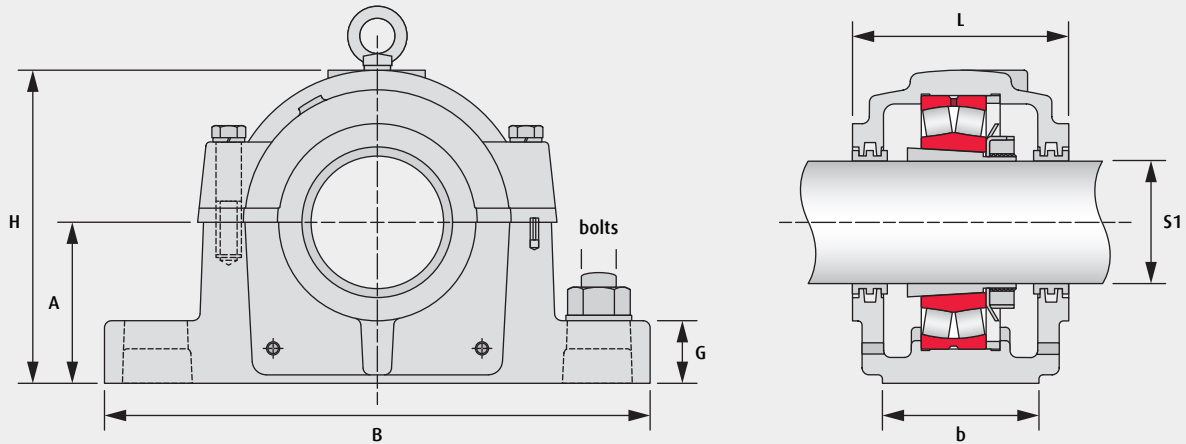
3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
3-1/2	13	3-1/2	1-3/16	11	9-5/8	--	6-7/8	4-15/16	0.188	22.2	39.7	2 x 3/4	140	43	29.7
3-1/2	13	3-1/2	1-3/16	11	9-5/8	2-1/8	6-7/8	4-15/16	0.188	19	36.5	4 x 5/8	140	43	29.7
3-3/4	13	3-1/2	1-1/4	11	9-7/8	--	7-5/16	5-1/16	0.188	22.2	36.5	2 x 3/4	150	46	33
3-3/4	13	3-1/2	1-1/4	11	9-7/8	2-1/8	7-5/16	5-1/16	0.188	19	33.3	4 x 5/8	150	46	33
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	--	7-3/4	5-13/16	0.188	22.2	38.1	2 x 3/4	160	50	39.6
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	2-1/8	7-3/4	5-13/16	0.188	19	34.9	4 x 5/8	160	50	39.6

SAF500 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 3-7/16 to 7-15/16"

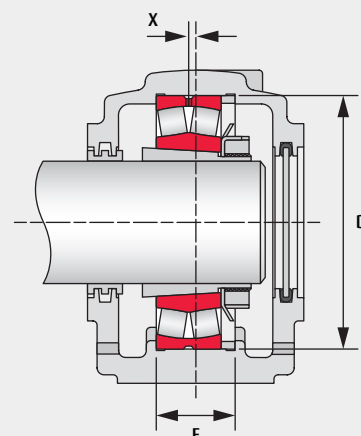
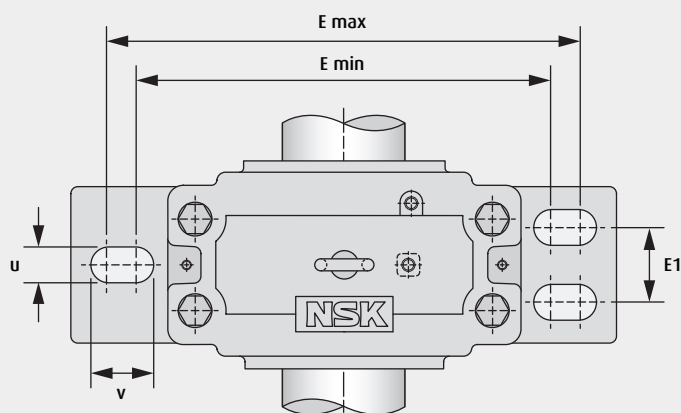


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
3-7/16	SAF 1520	SAF 520	1220 K	SNW 20 / 3.7/16	LER 102	2 x SR-15-20	EPR 12
	SAF 2520		2220 K			1 x SR-20-17	
	SAF 22520		22220 K			1 x SR-20-17	
	FSAF 1520	FSAF 520	1220 K	SNW 20 / 3.7/16	LER 102	2 x SR-15-20	EPR 12
	FSAF 2520		2220 K			1 x SR-20-17	
	FSAF 22520		22220 K			1 x SR-20-17	
3-15/16	SAF 1522	SAF 522	1222 K	SNW 22 / 3.15/16	LER 109	2 x SR-15-22	EPR 13
	SAF 2522		2222 K			1 x SR-22-19	
	SAF 22522		22222 K			1 x SR-22-19	
4-3/16	SAF 22524	SAF 524	22224 K	SNW 24 / 4.3/16	LER 113	1 x SR-24-20	EPR 14
4-7/16	SAF 22526	SAF 526	22226 K	SNW 26 / 4.7/16	LER 117	1 x SR-26-0	EPR 15
4-15/16	SAF 22528	SAF 528	22228 K	SNW 28 / 4.15/16	LER 122	1 x SR-28-0	EPR 27
5-3/16	SAF 22530	SAF 530	22230 K	SNW 30 / 5.3/16	LER 125	1 x SR-30-0	EPR 16
5-7/16	SAF 22532	SAF 532	22232 K	SNW 32 / 5.7/16	LER 130	1 x SR-32-0	EPR 16
5-15/16	SAF 22534	SAF 534	22234 K	SNW 34 / 5.15/16	LER 140	1 x SR-34-0	EPR 18
6-7/16	SAF 22536	SAF 536	22236 K	SNW 36 / 6.7/16	LER 148	1 x SR-36-30	EPR 19
6-15/16	SAF 22538	SAF 538	22238 K	SNW 38 / 6.15/16	LER 155	1 x SR-38-32	EPR 20
7-3/16	SAF 22540	SAF 540	22240 K	SNW 40 / 7.3/16	LER 159	1 x SR-40-34	EPR 21
7-15/16	SAF 22544	SAF 544	22244 K	SNW 44 / 7.15/16	LER 167	1 x SR-44-38	EPR 23

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

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3) Additional shaft sizes are possible. **Contact NSK.**

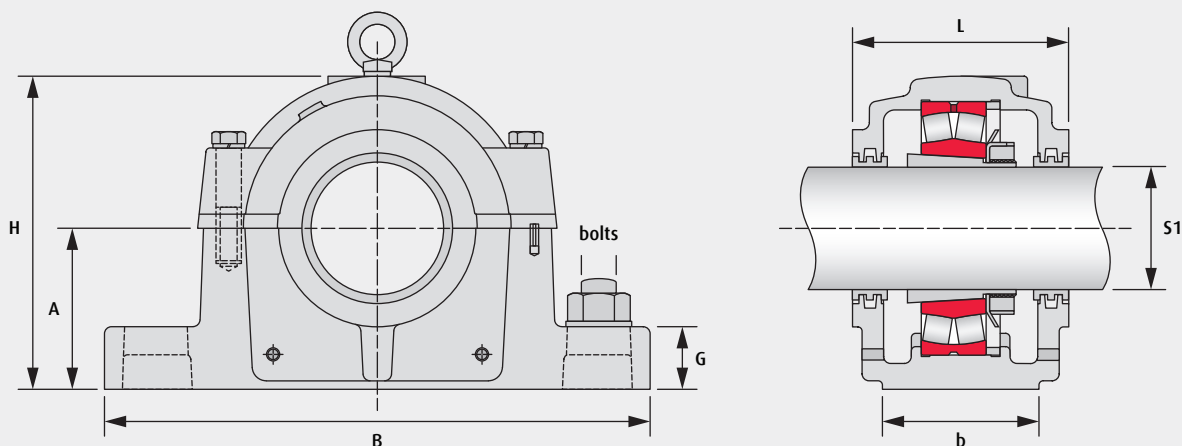


PILLOW BLOCK DIMENSIONS

A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	~ wt.
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	--	8-3/4	6-1/16	0.188	25.4	44.5	2 x 7/8	180	56	55
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6-1/16	0.188	22.2	41.2	4 x 3/4	180	56	55
4-15/16	16-1/2	4-3/4	2	14-1/2	12-5/8	2-3/4	9-5/8	6-9/16	0.188	22.2	46.0	4 x 3/4	200	63	66
5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-7/16	0.188	22.2	38	4 x 3/4	215	68	74.8
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8-1/16	0.188	25.4	42.9	4 x 7/8	230	74	103.4
6	20-1/8	5-7/8	2-3/8	17-1/8	16	3-3/8	11-3/4	7-15/16	0.188	28.4	42.7	4 x 1	250	78	123.2
6-5/16	21-1/4	6-1/4	2-1/2	18-1/4	17	3-3/4	12-1/2	8-7/16	0.188	28.4	44.3	4 x 1	270	83	139.7
6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-5/16	9	0.188	28.4	52.3	4 x 1	290	90	157.3
7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/16	9-11/16	0.188	28.4	57.0	4 x 1	310	96	184.3
7-1/2	26-3/4	7-1/8	3	23-5/8	20-7/8	4-5/8	14-7/16	10-1/16	0.188	28.4	63.3	4 x 1	320	96	211.2
7-7/8	28	7-1/2	3-1/8	24-3/8	21-5/8	4-1/2	15-11/16	10-13/16	0.188	35.0	66.8	4 x 1-1/4	340	102	248.6
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-5/16	0.188	35.0	66.8	4 x 1-1/4	360	108	330.0
9-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12-1/16	0.188	42.8	82.5	4 x 1-1/2	400	118	440.0

SAF600 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 1-7/16 to 2-3/16"

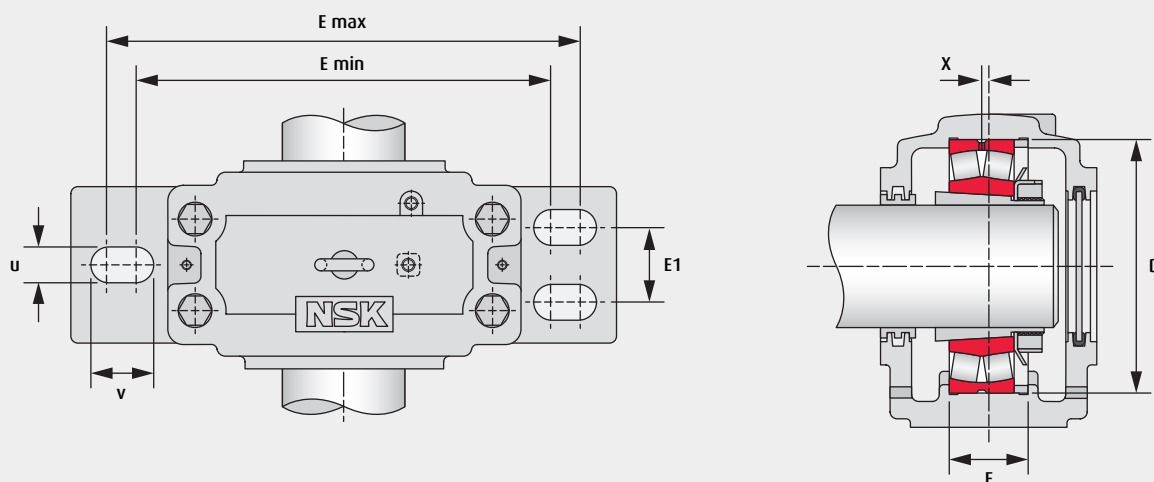


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
1-7/16	SAF 1609	SAF 609	1309 K	SNW 09 / 1.7/16	LER 17	2 x SR-1609	EPR 3
	SAF 21609		21309 K	SNW 09 / 1.7/16		2 x SR-1609	
	SAF 2609		2309 K	SNW 109 / 1.7/16		1 x SR-11-9	
	SAF 22609		22309 K	SNW 109 / 1.7/16		1 x SR-11-9	
1-11/16	SAF 1610	SAF 610	1310 K	SNW 10 / 1.11/16	LER 20	2 x SR-1610	EPR 4
	SAF 21610		21310 K	SNW 10 / 1.11/16		2 x SR-1610	
	SAF 2610		2310 K	SNW 110 / 1.11/16		1 x SR-0-10	
	SAF 22610		22310 K	SNW 110 / 1.11/16		1 x SR-0-10	
1-15/16	SAF 1611	SAF 611	1311 K	SNW 11 / 1.15/16	LER 24	2 x SR-1611	EPR 5
	SAF 21611		21311 K	SNW 11 / 1.15/16		2 x SR-1611	
	SAF 2611		2311 K	SNW 111 / 1.15/16		1 x SR-13-11	
	SAF 22611		22311 K	SNW 111 / 1.15/16		1 x SR-13-11	
	FSAF 1611	FSAF 611	1311 K	SNW 11 / 1.15/16	LER 24	2 x SR-1611	EPR 5
	FSAF 21611		21311 K	SNW 11 / 1.15/16		2 x SR-1611	
	FSAF 2611		2311 K	SNW 111 / 1.15/16		1 x SR-13-11	
	FSAF 22611		22311 K	SNW 111 / 1.15/16		1 x SR-13-11	
2-3/16	SAF 1613	SAF 613	1313 K	SNW 13 / 2.3/16	LER 32	2 x SR-1613	EPR 6
	SAF 21613		21313 K	SNW 13 / 2.3/16		2 x SR-1613	
	SAF 2613		2313 K	SNW 113 / 2.3/16		1 x SR-16-13	
	SAF 22613		22313 K	SNW 113 / 2.3/16		1 x SR-16-13	
	FSAF 1613	FSAF 613	1313 K	SNW 13 / 2.3/16	LER 32	2 x SR-1613	EPR 6
	FSAF 21613		21313 K	SNW 13 / 2.3/16		2 x SR-1613	
	FSAF 2613		2313 K	SNW 113 / 2.3/16		1 x SR-16-13	
	FSAF 22613		22313 K	SNW 113 / 2.3/16		1 x SR-16-13	

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

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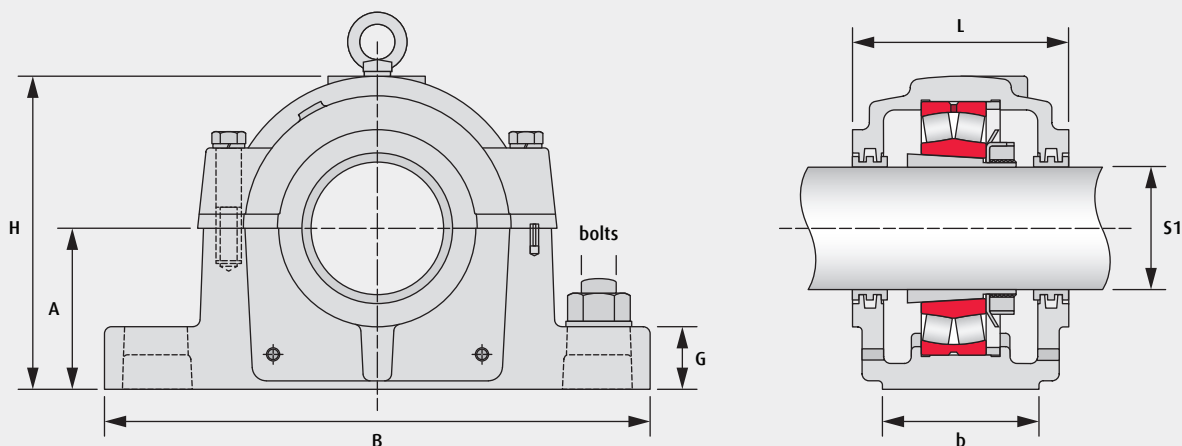
3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
2-3/4	9-5/8	2-3/4	1	7-7/8	7-3/8	--	5-5/16	4-1/4	0.188	19.0	25.4	2 x 5/8	100	46	12.5
3	10-5/8	2-3/4	1-1/8	9	7-3/4	--	5-13/16	4-5/8	0.212	19.0	34.9	2 x 5/8	110	51	17.3
3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	--	6-3/16	4-7/8	0.188	19.0	36.5	2 x 5/8	120	53	20.8
3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	2	6-3/16	4-7/8	0.188	16.0	33.5	4 x 1/2	120	53	20.8
3-1/2	13	3-1/2	1-1/4	11	9-5/8	--	6-15/16	5-3/8	0.212	22.2	36.7	2 x 3/4	140	58	29.6
3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	0.212	19.0	36.5	4 x 5/8	140	58	29.6

SAF600 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 2-7/16 to 2-15/16"

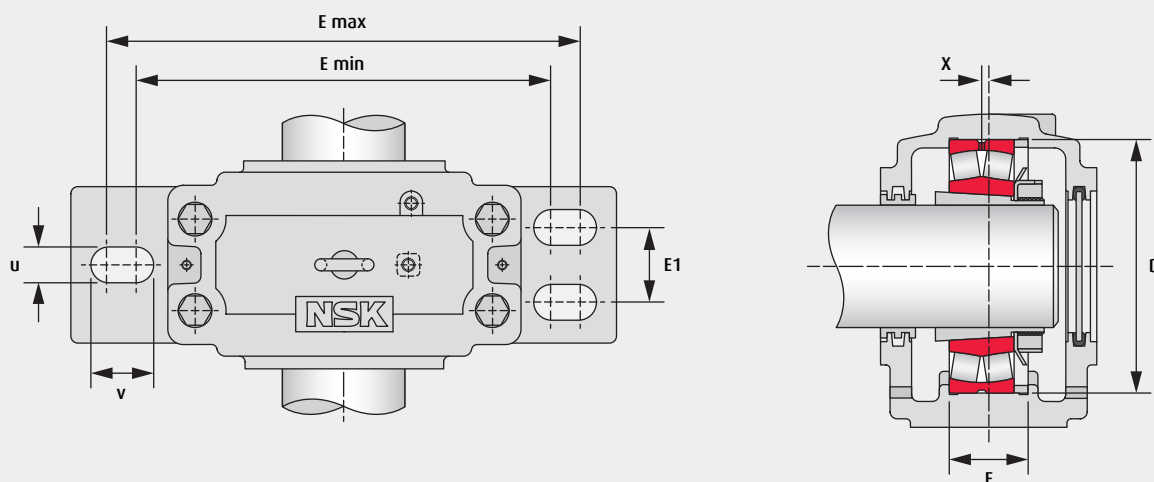


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
2-7/16	SAF 1615	SAF 615	1315 K	SNW 15 / 2.7/16	LER 37	2 x SR-1615	EPR 7
	SAF 21615		21315 K	SNW 15 / 2.7/16		2 x SR-1615	
	SAF 2615		2315 K	SNW 115 / 2.7/16		1 x SR-18-15	
	SAF 22615		22315 K	SNW 115 / 2.7/16		1 x SR-18-15	
	FSAF 1615	FSAF 615	1315 K	SNW 15 / 2.7/16	LER 37	2 x SR-1615	EPR 7
	FSAF 21615		21315 K	SNW 15 / 2.7/16		2 x SR-1615	
	FSAF 2615		2315 K	SNW 115 / 2.7/16		1 x SR-18-15	
	FSAF 22615		22315 K	SNW 115 / 2.7/16		1 x SR-18-15	
2-11/16	SAF 1616	SAF 616	1316 K	SNW 16 / 2.11/16	LER 44	2 x SR-1616	EPR 8
	SAF 21616		21316 K	SNW 16 / 2.11/16		2 x SR-1616	
	SAF 2616		2316 K	SNW 116 / 2.11/16		1 x SR-19-16	
	SAF 22616		22316 K	SNW 116 / 2.11/16		1 x SR-19-16	
	FSAF 1616	FSAF 616	1316 K	SNW 16 / 2.11/16	LER 44	2 x SR-1616	EPR 8
	FSAF 21616		21316 K	SNW 16 / 2.11/16		2 x SR-1616	
	FSAF 2616		2316 K	SNW 116 / 2.11/16		1 x SR-19-16	
	FSAF 22616		22316 K	SNW 116 / 2.11/16		1 x SR-19-16	
2-15/16	SAF 1617	SAF 617	1317 K	SNW 17 / 2.15/16	LER 184	2 x SR-1617	EPR 10
	SAF 21617		21317 K	SNW 17 / 2.15/16		2 x SR-1617	
	SAF 2617		2317 K	SNW 117 / 2.15/16		1 x SR-20-17	
	SAF 22617		22317 K	SNW 117 / 2.15/16		1 x SR-20-17	
	FSAF 1617	FSAF 617	1317 K	SNW 17 / 2.15/16	LER 184	2 x SR-1617	EPR 10
	FSAF 21617		21317 K	SNW 17 / 2.15/16		2 x SR-1617	
	FSAF 2617		2317 K	SNW 117 / 2.15/16		1 x SR-20-17	
	FSAF 22617		22317 K	SNW 117 / 2.15/16		1 x SR-20-17	

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

2) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

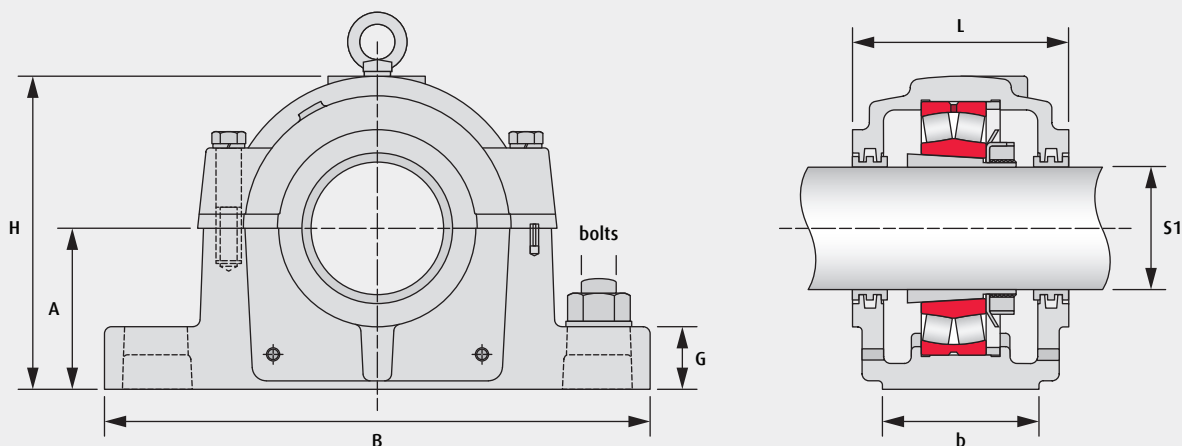
3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	--	7-3/4	6-1/4	0.188	22.2	38.1	2 x 3/4	160	65	38.0
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	2-1/8	7-3/4	6-1/4	0.188	19.0	34.9	4 x 5/8	160	65	38
4-1/4	14-1/4	3-7/8	1-5/16	12-5/8	10-5/8	--	8-1/4	6-1/2	0.188	22.2	47.6	2 x 3/4	170	68	49.0
4-1/4	14-1/4	3-7/8	1-5/16	12-5/8	10-5/8	2-1/8	8-1/4	6-1/2	0.188	19.0	44.4	4 x 5/8	170	68	49
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	--	8-3/4	6-3/4	0.188	25.4	44.5	2 x 7/8	180	70	59.1
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6-3/4	0.188	22.2	41.3	4 x 3/4	180	70	59.1

SAF600 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 3-3/16 to 7-3/16"

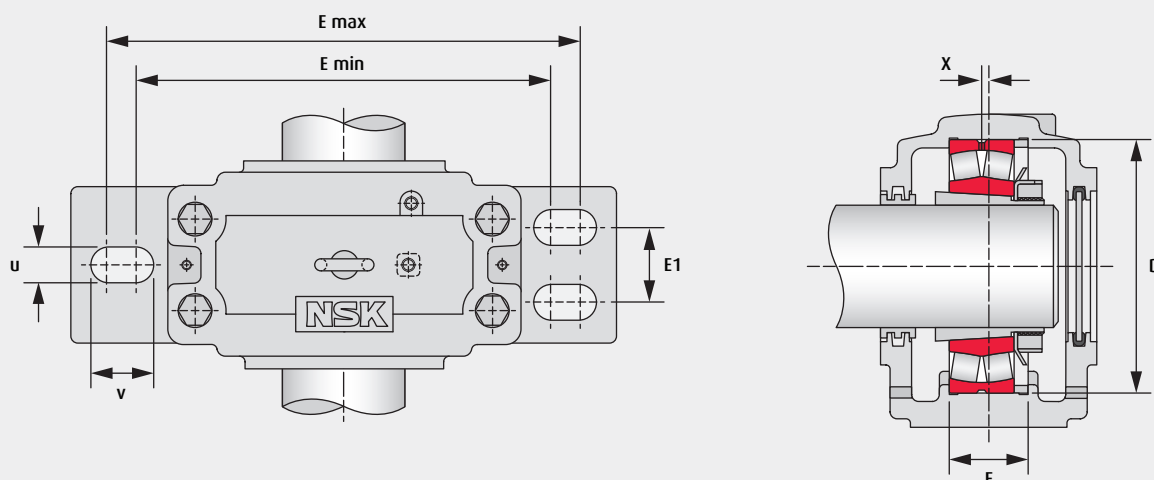


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
3-3/16	SAF 1618	SAF 618	1318 K	SNW 18 / 3.3/16	LER 188	2 x SR-1618	EPR 11
	SAF 21618		21318 K	SNW 18 / 3.3/16		2 x SR-1618	
	SAF 2618		2318 K	SNW 118 / 3.3/16		1 x SR-21-18	
	SAF 22618		22318 K	SNW 118 / 3.3/16		1 x SR-21-18	
3-7/16	SAF 1620	SAF 620	1320 K	SNW 20 / 3.7/16	LER 102	2 x SR-1620	EPR 12
	SAF 21620		21320 K	SNW 20 / 3.7/16		2 x SR-1620	
	SAF 2620		2320 K	SNW 120 / 3.7/16		1 x SR-24-20	
	SAF 22620		22320 K	SNW 120 / 3.7/16		1 x SR-24-20	
3-15/16	SAF 1622	SAF 622	1322 K	SNW 22 / 3.15/16	LER 109	2 x SR-1622	EPR 13
	SAF 21622		21322 K	SNW 22 / 3.15/16		2 x SR-1622	
	SAF 2622		2322 K	SNW 122 / 3.15/16		1 x SR-0-22	
	SAF 22622		22322 K	SNW 122 / 3.15/16		1 x SR-0-22	
4-3/16	SAF 22624	SAF 624	22324 K	SNW 124 / 4.3/16	LER 113	1 x SR-0-24	EPR 14
4-7/16	SAF 22626	SAF 626	22326 K	SNW 126 / 4.7/16	LER 117	1 x SR-0-26	EPR 15
4-15/16	SAF 22628	SAF 628	22328 K	SNW 128 / 4.15/16	LER 122	1 x SR-0-28	EPR 27
5-3/16	SAF 22630	SAF 630	22330 K	SNW 130 / 5.3/16	LER 125	1 x SR-36-30	EPR 16
5-7/16	SAF 22632	SAF 632	22332 K	SNW 132 / 5.7/16	LER 130	1 x SR-38-32	EPR 16
5-15/16	SAF 22634	SAF 634	22334 K	SNW 134 / 5.15/16	LER 140	1 x SR-40-34	EPR 18
6-7/16	SAF 22636	SAF 636	22336 K	SNW 136 / 6.7/16	LER 148	1 x SR-0-36	EPR 19
6-15/16	SAF 22638	SAF 638	22338 K	SNW 138 / 6.15/16	LER 155	1 x SR-44-38	EPR 20
7-3/16	SAF 22640	SAF 640	22340 K	SNW 140 / 7.3/16	LER 159	1 x SR-0-40	EPR 21

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

2) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

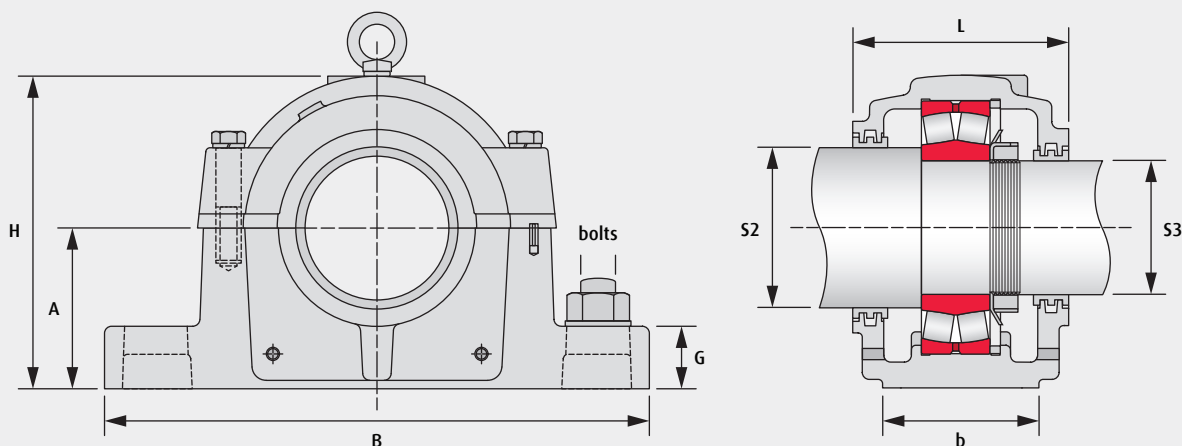
3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4-3/4	15-1/2	4-3/8	2	13-1/2	12	2-1/4	9-3/16	6-7/8	0.188	22.2	41.3	4 x 3/4	190	74	61.5
5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-3/8	0.188	22.2	38.1	4 x 3/4	215	83	81.5
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8	0.188	25.4	42.9	4 x 7/8	240	90	110.6
6-5/16	21-1/4	6-1/4	2-1/2	18-1/4	17	3-3/4	12-1/2	8-3/8	0.188	28.4	44.3	4 x 1	260	96	150.3
6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-5/16	8-3/4	0.188	28.4	55	4 x 1	280	103	169.6
7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/16	9-5/8	0.188	28.4	57	4 x 1	300	112	198.7
7-1/2	26-3/4	7-1/8	3	23-5/8	20-7/8	4-5/8	14-7/8	9-3/4	0.188	28.4	63.3	4 x 1	320	118	267.3
7-7/8	28	7-1/2	3-1/8	24-3/8	21-5/8	4-1/2	15-11/16	10-3/4	0.188	35	66.8	4 x 1-1/4	340	124	277
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	130	315.6
8-7/8	31-1/4	8-1/4	3-1/2	26-5/8	24	5-1/4	17-3/4	11-3/8	0.188	35	68.4	4 x 1-1/4	380	136	386
9-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12	0.188	42.8	82.55	4 x 1-1/2	400	142	454.2
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20	12-1/16	0.188	42.8	82.55	4 x 1-1/2	420	148	504.6

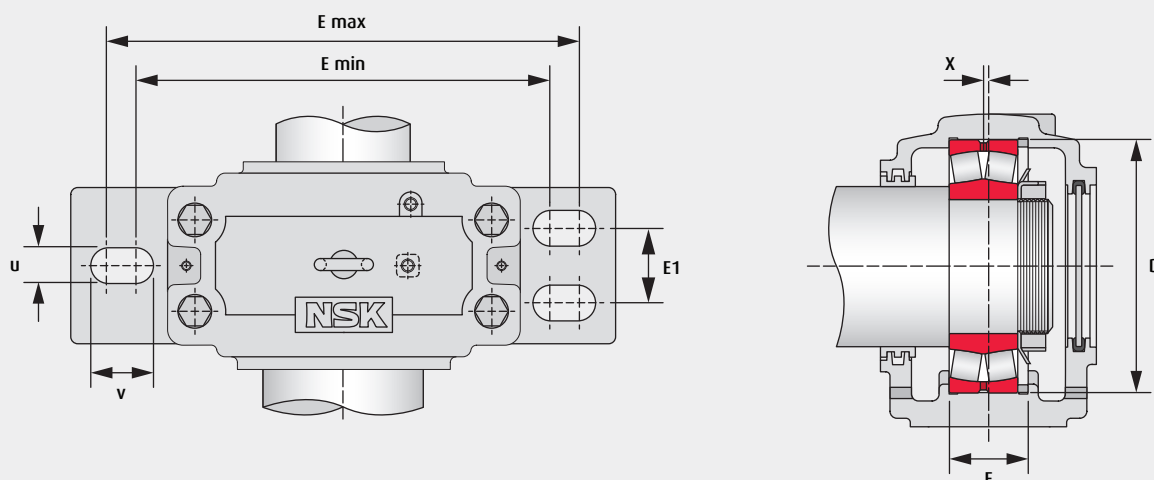
SAF200 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 3 TO 3-3/8"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
3-5/8	3	SAF 1216	SAF 216	1216	AN 16	W 16	LER 82	LER 54	2 x SR-15-16	EPR 9
		SAF 2216		2216					1 x SR-16-13	
		SAF 22216		22216					1 x SR-16-13	
		FSAF 1216	FSAF 216	1216	AN 16	W 16	LER 82	LER 54	2 x SR-15-16	EPR 9
		FSAF 2216		2216					1 x SR-16-13	
		FSAF 22216		22216					1 x SR-16-13	
3-15/16	3-3/16	SAF 1217	SAF 217	1217	AN 17	W 17	LER 89	LER 63	2 x SR-15-17	EPR 9
		SAF 2217		2217					1 x SR-17-14	
		SAF 22217		22217					1 x SR-17-14	
		FSAF 1217	FSAF 217	1217	AN 17	W 17	LER 89	LER 63	2 x SR-15-17	EPR 9
		FSAF 2217		2217					1 x SR-17-14	
		FSAF 22217		22217					1 x SR-17-14	
4-1/8	3-3/8	SAF 1218	SAF 218	1218	AN 18	W 18	LER 112	LER 191	2 x SR-15-18	EPR 11
		SAF 2218		2218					1 x SR-18-15	
		SAF 22218		22218					1 x SR-18-15	
		FSAF 1218	FSAF 218	1218	AN 18	W 18	LER 112	LER 191	2 x SR-15-18	EPR 11
		FSAF 2218		2218					1 x SR-18-15	
		FSAF 22218		22218					1 x SR-18-15	

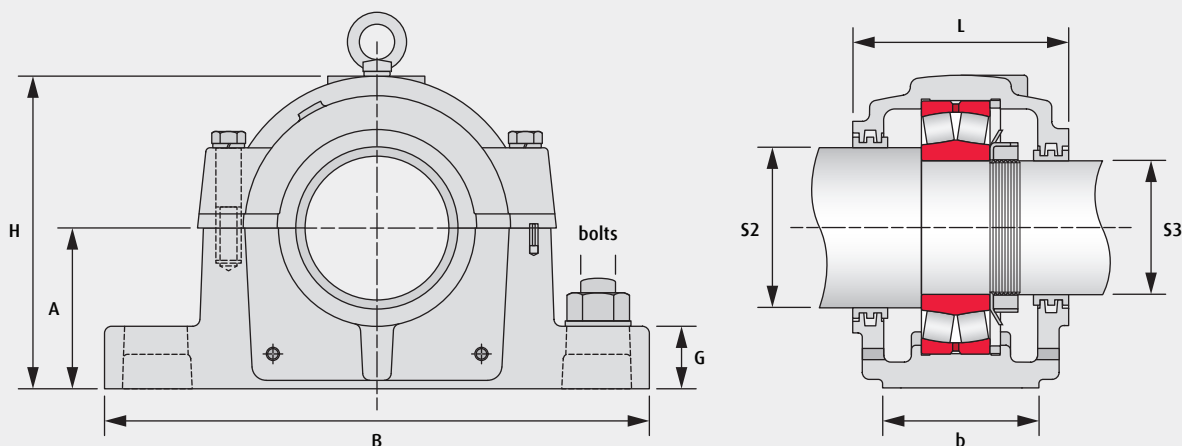
1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.
2) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
3-1/2	13	3-1/2	1-1/4	11	9-5/8	--	6-15/16	5-3/8	0.188	22.2	39.7	2 x 3/4	140	43	23.6
3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	0.188	19	36.5	4 x 5/8	140	43	23.6
3-3/4	13	3-1/2	1-1/4	11	9-7/8	--	7-3/8	5-3/8	0.188	22.2	36.5	2 x 3/4	150	46	29.5
3-3/4	13	3-1/2	1-1/4	11	9-7/8	2-1/8	7-3/8	5-3/8	0.188	19	33.3	4 x 5/8	150	46	29.5
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	--	7-3/4	5-3/4	0.188	22.2	38.1	2 x 3/4	160	50	35.5
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	2-1/8	7-3/4	5-3/4	0.188	19	34.9	4 x 5/8	160	50	35.5

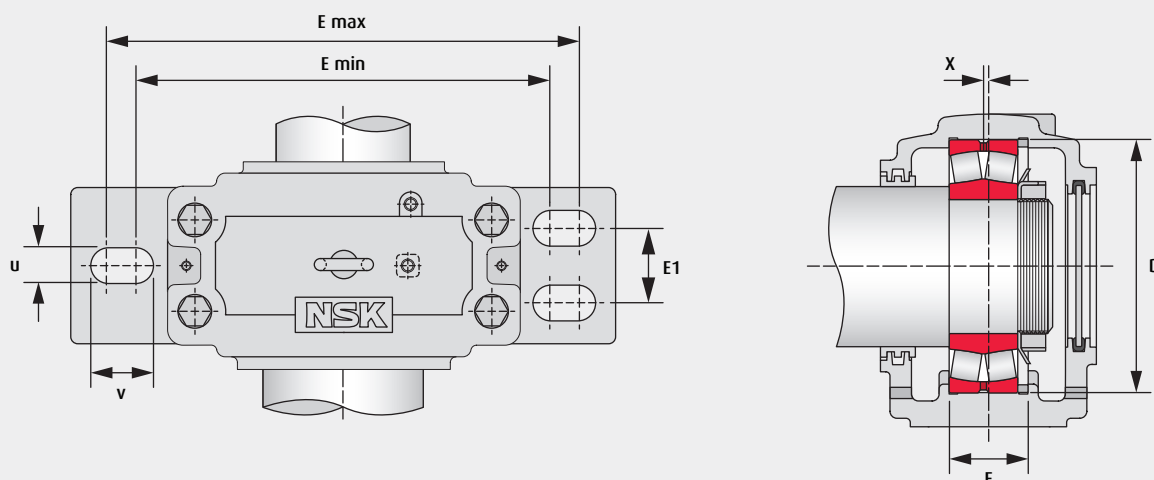
SAF200 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 3-13/16 to 8-5/16"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
4-1/2	3-13/16	SAF 1220	SAF 220	1220	AN 20	W 20	LER 118	LER 106	2 x SR-15-20	EPR 12
		SAF 2220		2220					1 x SR-20-17	
		SAF 22220		22220					1 x SR-20-17	
		FSAF 1220	FSAF 220	1220		W 20	LER 118	LER 106	2 x SR-15-20	EPR 12
		FSAF 2220		2220					1 x SR-20-17	
		FSAF 22220		22220					1 x SR-20-17	
4-7/8	4-3/16	SAF 1222	SAF 222	1222	AN 22	W 22	LER 121	LER 113	2 x SR-15-22	EPR 14
		SAF 2222		2222					1 x SR-22-19	
		SAF 22222		22222					1 x SR-22-19	
5-5/16	4-9/16	SAF 22224	SAF 224	22224	AN 24	W 24	LER 127	LER 119	1 x SR-24-20	EPR 15
5-7/8	4-15/16	SAF 22226	SAF 226	22226	AN 26	W 26	LER 136	LER 122	1 x SR-26-0	EPR 27
6-1/4	5-5/16	SAF 22228	SAF 228	22228	AN 28	W 28	LER 144	LER 127	1 x SR-28-0	EPR 16
6-5/8	5-3/4	SAF 22230	SAF 230	22230	AN 30	W 30	LER 151	LER 134	1 x SR-30-0	EPR 17
7	6-1/16	SAF 22232	SAF 232	22232	AN 32	W 32	LER 156	LER 142	1 x SR-32-0	EPR 18
7-7/16	6-7/16	SAF 22234	SAF 234	22234	AN 34	W 34	LER 161	LER 148	1 x SR-34-0	EPR 19
7-13/16	6-7/8	SAF 22236	SAF 236	22236	AN 36	W 36	LER 165	LER 154	1 x SR-36-30	EPR 20
8-3/8	7-1/4	SAF 22238	SAF 238	22238	AN 38	W 38	LER 171	LER 160	1 x SR-38-32	EPR 21
8-3/4	7-5/8	SAF 22240	SAF 240	22240	AN 40	W 40	LER 175	LER 164	1 x SR-40-34	EPR 22
9-9/16	8-5/16	SAF 22244	SAF 244	22244	AN 44	W 44	LER 179	LER 170	1 x SR-44-38	EPR 24

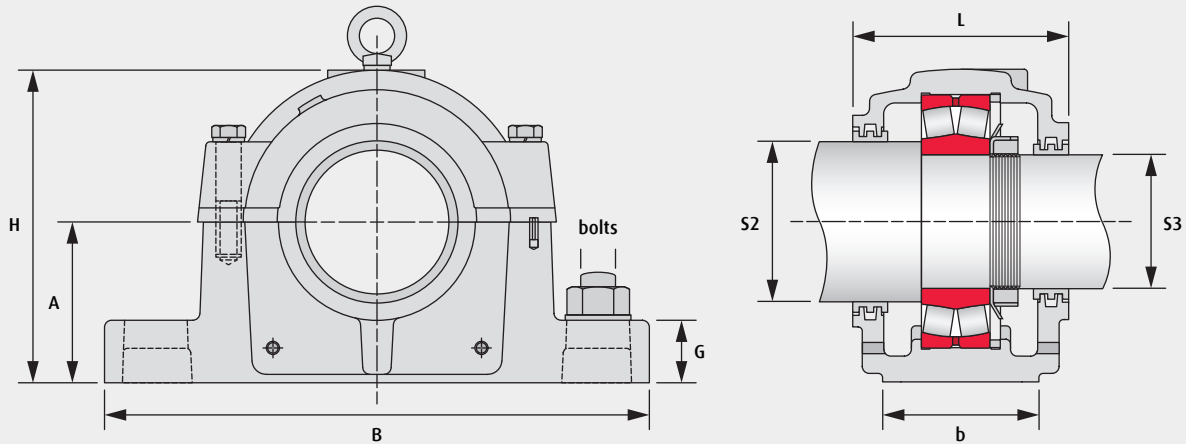
1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.
2) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	--	8-3/4	6	0.188	25.4	44.5	2 x 7/8	180	56	52.2
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6	0.188	22.2	41.2	4 x 3/4	180	56	52.2
4-15/16	16-1/2	4-3/4	2	14-1/2	12-5/8	2-3/4	9-5/8	6-1/2	0.188	22.2	46.0	4 x 3/4	200	63	66.7
5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-3/8	0.188	22.2	38	4 x 3/4	215	68	70.3
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8	0.188	25.4	42.9	4 x 7/8	230	74	106.2
6	20-1/8	5-7/8	2-3/8	17-1/8	16	3-3/8	11-3/4	7-5/8	0.188	28.4	42.7	4 x 1	250	78	116.5
6-5/16	21-1/4	6-1/4	2-1/2	18-1/4	17	3-3/4	12-1/2	8-3/8	0.188	28.4	44.3	4 x 1	270	83	151.1
6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-5/16	8-3/4	0.188	28.4	52.3	4 x 1	290	90	174.8
7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/16	9-5/8	0.188	28.4	57	4 x 1	310	96	184.7
7-1/2	26-3/4	7-1/8	3	23-5/8	20-7/8	4-5/8	14-7/8	10	0.188	28.4	63.3	4 x 1	320	96	218.5
7-7/8	28	7-1/2	3-1/8	24-3/8	21-5/8	4-1/2	15-11/16	10-3/4	0.188	35	66.8	4 x 1-1/4	340	102	293.3
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	108	352.6
9-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12	0.188	42.8	82.5	4 x 1-1/2	400	118	439.3

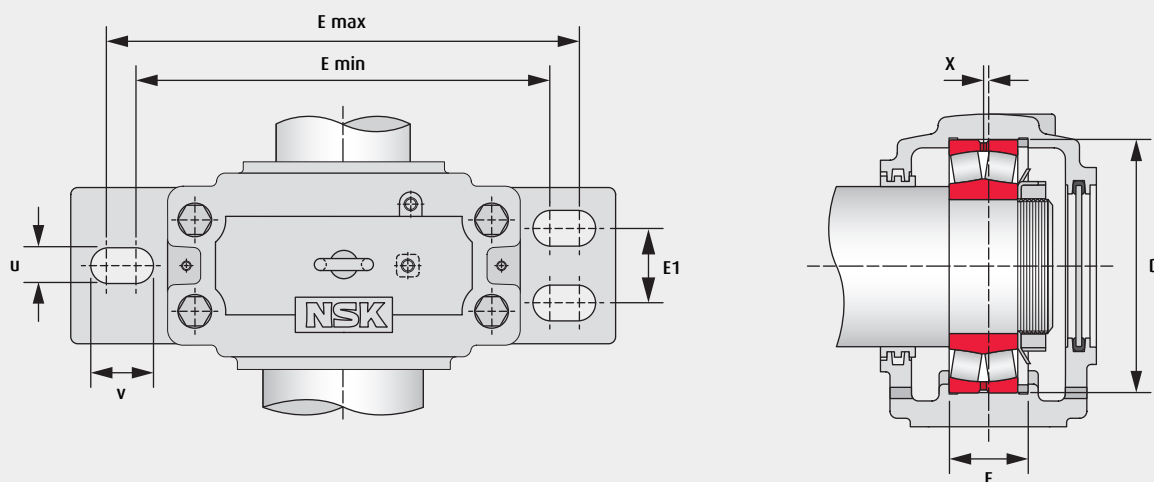
SAF300 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 1-7/16 to 2-1/16"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
1-15/16	1-7/16	SAF 1308	SAF 308	1308	N 08	W 08	LER 24	LER 17	2 x SR-1608	EPR 3
		SAF 21308		21308					2 x SR-1608	
		SAF 2308		2308					1 x SR-10-8	
		SAF 22308		22308					1 x SR-10-8	
2-1/8	1-11/16	SAF 1309	SAF 309	1309	N 09	W 09	LER 28	LER 20	2 x SR-1609	EPR 4
		SAF 21309		21309					2 x SR-1609	
		SAF 2309		2309					1 x SR-11-9	
		SAF 22309		22309					1 x SR-11-9	
2-3/8	1-7/8	SAF 1310	SAF 310	1310	N 10	W 10	LER 35	LER 23	2 x SR-1610	EPR 4
		SAF 21310		21310					2 x SR-1610	
		SAF 2310		2310					1 x SR-0-10	
		SAF 22310		22310					1 x SR-0-10	
2-9/16	2-1/16	SAF 1311	SAF 311	1311	N 11	W 11	LER 40	LER 27	2 x SR-1611	EPR 6
		SAF 21311		21311					2 x SR-1611	
		SAF 2311		2311					1 x SR-13-11	
		SAF 22311		22311					1 x SR-13-11	
		FSAF 1311	FSAF 311	1311	N 11	W 11	LER 40	LER 27	2 x SR-1611	EPR 6
		FSAF 21311		21311					2 x SR-1611	
		FSAF 2311		2311					1 x SR-13-11	
		FSAF 22311		22311					1 x SR-13-11	

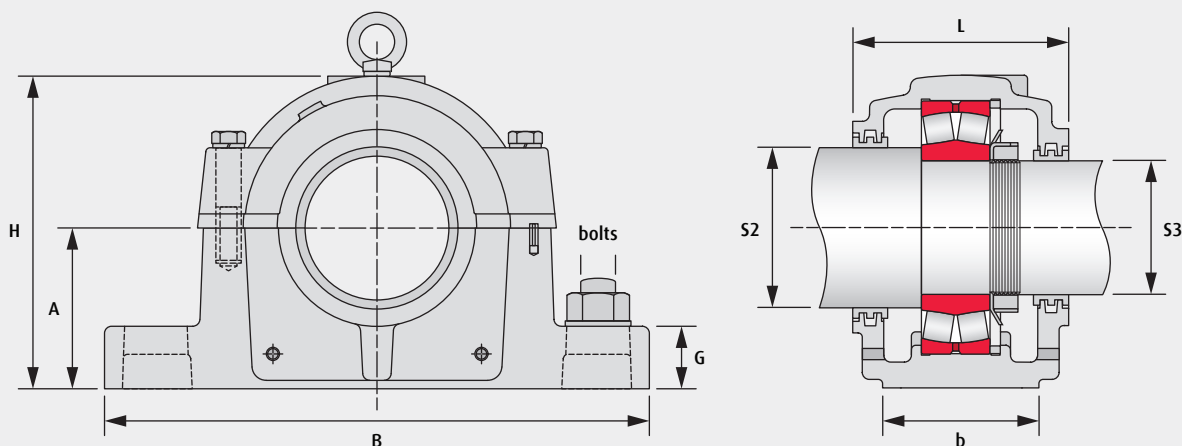
1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.
2) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
2-1/2	8-1/4	2-3/8	1	7	6-1/2	--	4-13/16	4	--	16.0	25.5	2 x 1/2	90	42.8	11.5
2-3/4	9-5/8	2-3/4	1	7-7/8	7-3/8	--	5-5/16	4-1/4	0.188	19.0	25.4	2 x 5/8	100	46	14.7
3	10-5/8	2-3/4	1-1/8	9	7-3/4	--	5-13/16	4-5/8	0.212	19.0	34.9	2 x 5/8	110	51	18.3
3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	--	6-3/16	5	0.188	19.0	36.5	2 x 5/8	120	53	20.8
3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	2	6-3/16	5	0.188	16	33.5	4 x 1/2	120	53	20.8

SAF300 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

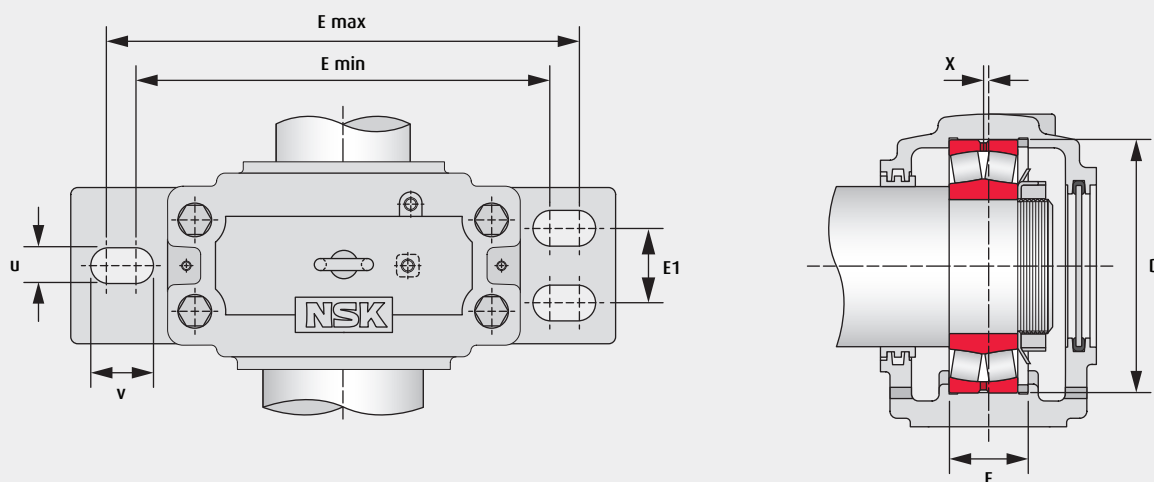
FOR SHAFTS 2-7/16 to 2-13/16"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
3-1/16	2-7/16	SAF 1313	SAF 313	1313	N 13	W 13	LER 55	LER 37	2 x SR-1613	EPR 7
		SAF 21313		21313					2 x SR-1613	
		SAF 2313		2313					1 x SR-16-13	
		SAF 22313		22313					1 x SR-16-13	
		FSAF 1313	FSAF 313	1313	N 13	W 13	LER 55	LER 37	2 x SR-1613	EPR 7
		FSAF 21313		21313					2 x SR-1613	
		FSAF 2313		2313					1 x SR-16-13	
		FSAF 22313		22313					1 x SR-16-13	
3-1/4	2-5/8	SAF 1314	SAF 314	1314	N 14	W 14	LER 64	LER 43	2 x SR-1614	EPR 8
		SAF 21314		21314					2 x SR-1614	
		SAF 2314		2314					1 x SR-17-14	
		SAF 22314		22314					1 x SR-17-14	
		FSAF 1314	FSAF 314	1314	N 14	W 14	LER 64	LER 43	2 x SR-1614	EPR 8
		FSAF 21314		21314					2 x SR-1614	
		FSAF 2314		2314					1 x SR-17-14	
		FSAF 22314		22314					1 x SR-17-14	
3-7/16	2-13/16	SAF 1315	SAF 315	1315	N 15	W 15	LER 79	LER 46	2 x SR-1615	EPR 8
		SAF 21315		21315					2 x SR-1615	
		SAF 2315		2315					1 x SR-18-15	
		SAF 22315		22315					1 x SR-18-15	
		FSAF 1315	FSAF 315	1315	N 15	W 15	LER 79	LER 46	2 x SR-1615	EPR 8
		FSAF 21315		21315					2 x SR-1615	
		FSAF 2315		2315					1 x SR-18-15	
		FSAF 22315		22315					1 x SR-18-15	

1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

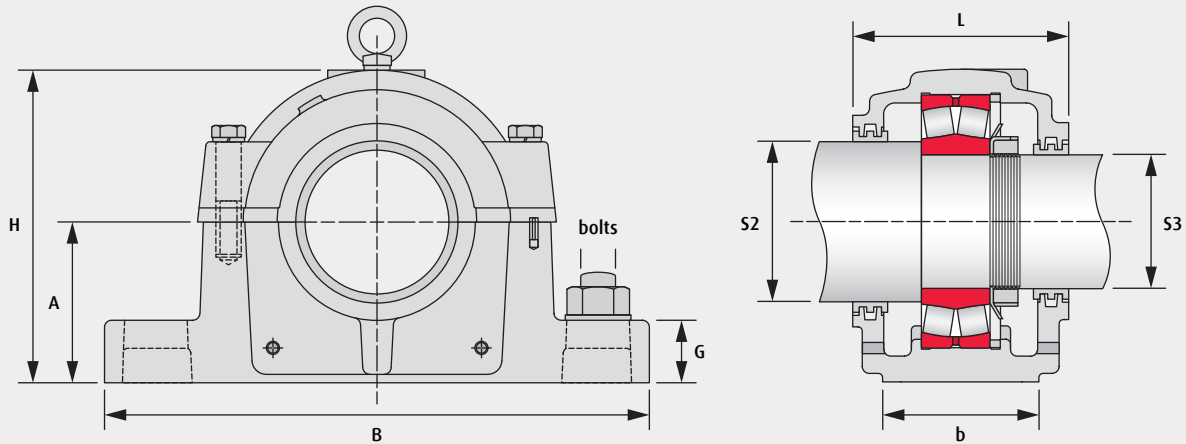
2) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
3-1/2	13	3-1/2	1-1/4	11	9-5/8	--	6-15/16	5-3/8	0.212	22.2	36.7	2 x 3/4	140	58	29.5
3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	0.212	19	36.5	4 x 5/8	140	58	29.5
3-3/4	12-9/32	3-1/2	1-1/4	11	9-7/8	--	7-3/8	4-31/32	--	22.2	36.7	2 x 3/4	150	61	29.5
3-3/4	12-9/32	3-1/2	1-1/4	11	9-7/8	2-1/8	7-3/8	4-31/32	--	19	36.5	4 x 5/8	150	61	29.5
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	--	7-13/16	6-1/4	0.188	22.2	38.1	2 x 3/4	160	65	40.8
4	13-3/4	3-7/8	1-5/16	11-5/8	10-3/8	2-1/8	7-13/16	6-1/4	0.188	19	34.9	4 x 5/8	160	65	40.8

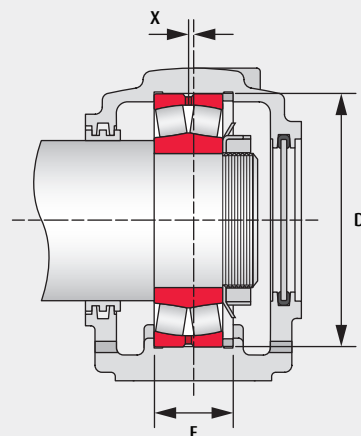
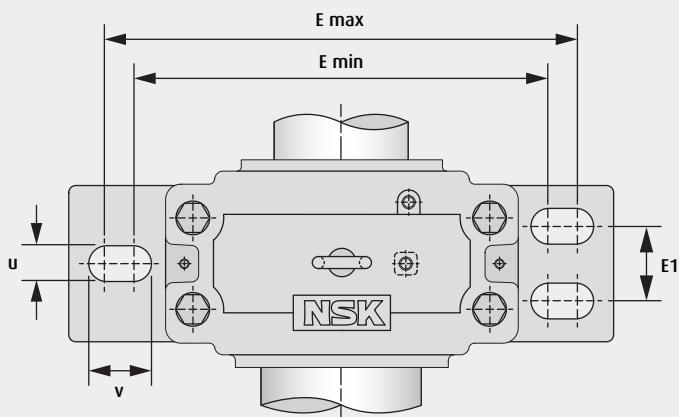
SAF300 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 3 to 3-13/16"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
3-5/8	3	SAF 1316	SAF 316	1316	N 16	W 16	LER 84	LER 60	2 x SR-1616	EPR 10
		SAF 21316		21316					2 x SR-1616	
		SAF 2316		2316					1 x SR-19-16	
		SAF 22316		22316					1 x SR-19-16	
		FSAF 1316	FSAF 316	1316	N 16	W 16	LER 84	LER 60	2 x SR-1616	EPR 10
		FSAF 21316		21316					2 x SR-1616	
		FSAF 2316		2316					1 x SR-19-16	
		FSAF 22316		22316					1 x SR-19-16	
3-15/16	3-3/16	SAF 1317	SAF 317	1317	N 17	W 17	LER 109	LER 188	2 x SR-1617	EPR 11
		SAF 21317		21317					2 x SR-1617	
		SAF 2317		2317					1 x SR-20-17	
		SAF 22317		22317					1 x SR-20-17	
		FSAF 1317	FSAF 317	1317	N 17	W 17	LER 109	LER 188	2 x SR-1617	EPR 11
		FSAF 21317		21317					2 x SR-1617	
		FSAF 2317		2317					1 x SR-20-17	
		FSAF 22317		22317					1 x SR-20-17	
4-1/8	3-3/8	SAF 1318	SAF 318	1318	N 18	W 18	LER 112	LER 191	2 x SR-1618	EPR 11
		SAF 21318		21318					2 x SR-1618	
		SAF 2318		2318					1 x SR-21-18	
		SAF 22318		22318					1 x SR-21-18	
4-1/2	3-13/16	SAF 1320	SAF 320	1320	N 20	W 20	LER 118	LER 106	2 x SR-1620	EPR 12
		SAF 21320		21320					2 x SR-1620	
		SAF 2320		2320					1 x SR-24-20	
		SAF 22320		22320					1 x SR-24-20	

1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.
2) Additional shaft sizes are possible. **Contact NSK.**

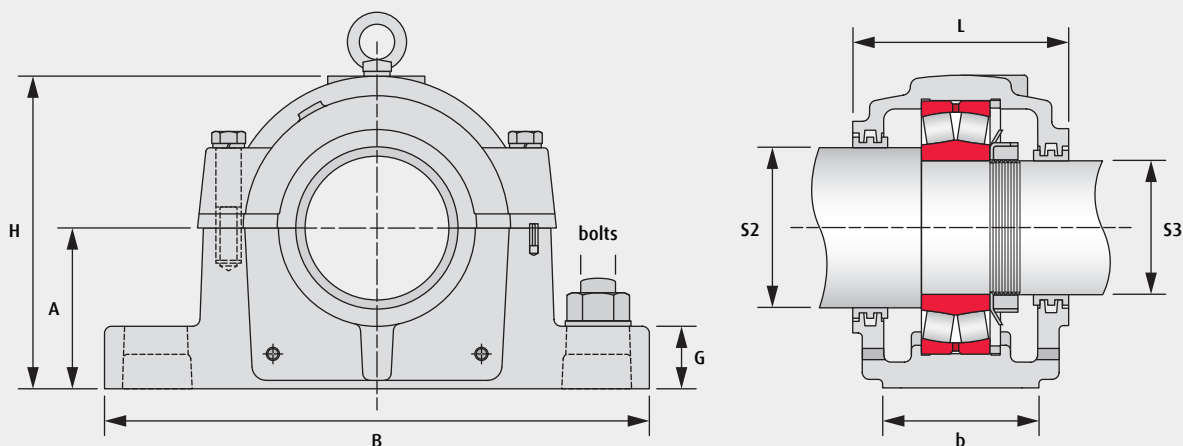


PILLOW BLOCK DIMENSIONS

A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	~ wt.
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4-1/4	14-1/4	3-7/8	1-5/16	12-5/8	10-5/8	--	8-1/4	6-1/2	0.188	22.2	47.6	2 x 3/4	170	68	51.3
4-1/4	14-1/4	3-7/8	1-5/16	12-5/8	10-5/8	2-1/8	8-1/4	6-1/2	0.188	19	44.4	4 x 5/8	170	68	51.3
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	--	8-3/4	6-3/4	0.188	25.4	44.5	2 x 7/8	180	70	55.3
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6-3/4	0.188	22.2	41.3	4 x 3/4	180	70	55.3
4-3/4	15-1/2	4-3/8	2	13-1/2	12	2-1/4	9-3/16	6-7/8	0.188	22.2	41.3	4 x 3/4	190	74	64.9
5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-3/8	0.188	22.2	38.1	4 x 3/4	215	83	80.3

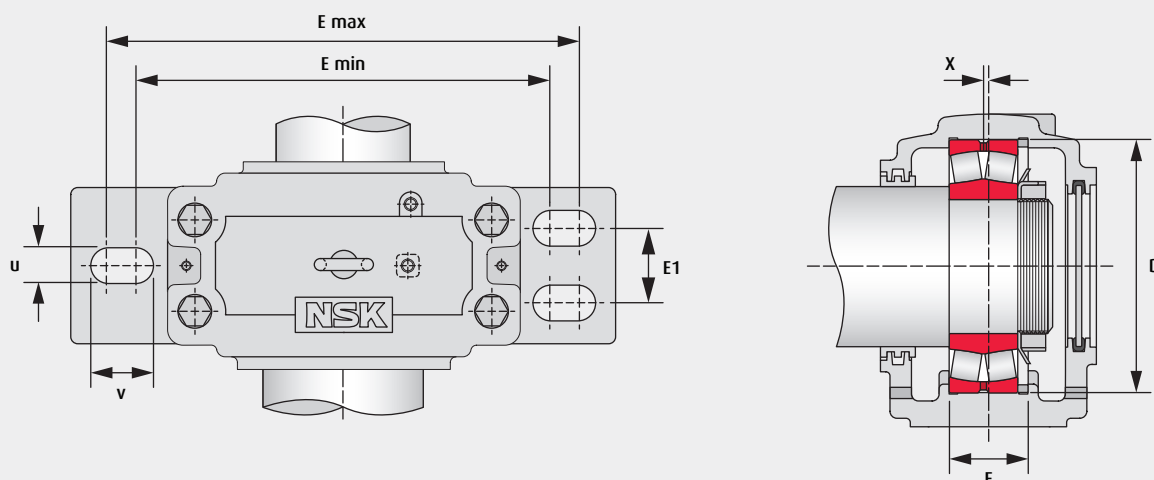
SAF300 SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 4-3/16 to 7-5/8"



SHAFT DIAMETERS		COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS							
S2	S3		Pillow block housing	Basic bearing type	Lock nut	Lock washer	Labyrinth seal ¹ (included)		Stabilizing ring (incl.)	End cover
in	in						S2	S3		
4-7/8	4-3/16	SAF 1322 SAF 21322 SAF 2322 SAF 22322	SAF 322	1322 21322 2322 22322	N 22	W 22	LER 121	LER 113	2 x SR-1622 2 x SR-1622 1 x SR-0-22 1 x SR-0-22	EPR 14
5-5/16	4-9/16	SAF 22324	SAF 324	22324	N 24	W 24	LER 127	LER 119	1 x SR-0-24	EPR 15
5-7/8	4-15/16	SAF 22326	SAF 326	22326	N 26	W 26	LER 136	LER 122	1 x SR-0-26	EPR 27
6-1/4	5-5/16	SAF 22328	SAF 328	22328	N 28	W 28	LER 144	LER 127	1 x SR-0-28	EPR 16
6-5/8	5-3/4	SAF 22330	SAF 330	22330	N 30	W 30	LER 151	LER 134	1 x SR-36-30	EPR 17
7	6-1/16	SAF 22332	SAF 332	22332	N 32	W 32	LER 156	LER 142	1 x SR-38-32	EPR 18
7-7/16	6-7/16	SAF 22334	SAF 334	22334	N 34	W 34	LER 161	LER 148	1 x SR-40-34	EPR 19
7-13/16	6-7/8	SAF 22336	SAF 336	22336	N 36	W 36	LER 165	LER 154	1 x SR-0-36	EPR 20
8-3/8	7-1/4	SAF 22338	SAF 338	22338	N 38	W 38	LER 171	LER 160	1 x SR-44-38	EPR 21
8-3/4	7-5/8	SAF 22340	SAF 340	22340	N 40	W 40	LER 175	LER 164	1 x SR-0-40	EPR 22

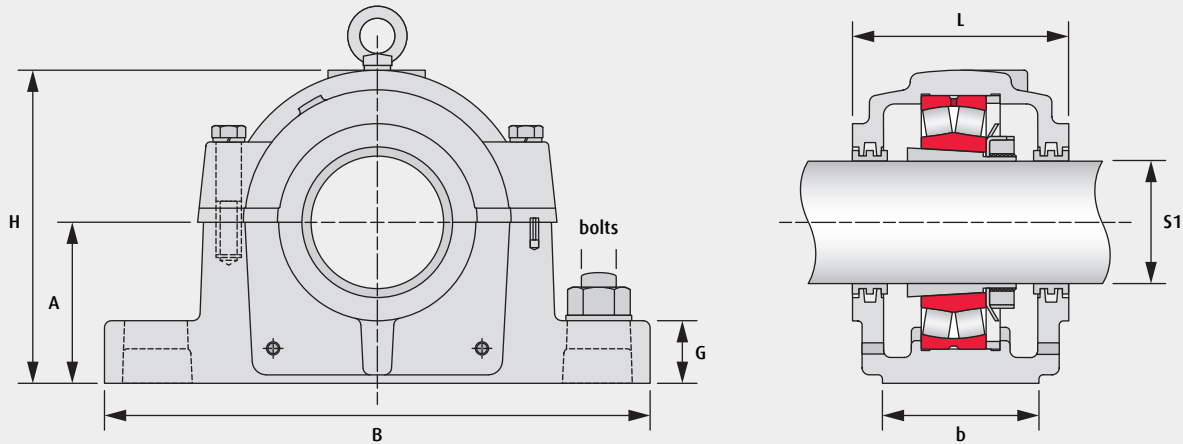
1) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.
2) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS															~ wt.
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8	0.188	25.4	42.9	4 x 7/8	240	90	99.4
6-5/16	21-1/4	6-1/4	2-1/2	18-1/4	17	3-3/4	12-1/2	8-3/8	0.188	28.4	44.3	4 x 1	260	96	146.4
6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-5/16	8-3/4	0.188	28.4	55	4 x 1	280	103	181.6
7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/16	9-5/8	0.188	28.4	57	4 x 1	300	112	214
7-1/2	26-3/4	7-1/8	3	23-5/8	20-7/8	4-5/8	14-7/8	9-3/4	0.188	28.4	63.3	4 x 1	320	118	256.6
7-7/8	28	7-1/2	3-1/8	24-3/8	21-5/8	4-1/2	15-11/16	10-3/4	0.188	35	66.8	4 x 1-1/4	340	124	298.3
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	130	355.7
8-7/8	31-1/4	8-1/4	3-1/2	26-5/8	24	5-1/4	17-3/4	11-3/8	0.188	35	68.4	4 x 1-1/4	380	136	380.3
9-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12	0.188	42.8	82.55	4 x 1-1/2	400	142	449.6
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20	12-1/16	0.188	42.8	82.55	4 x 1-1/2	420	148	493

SAF000K SERIES ASSEMBLY COMPONENTS AND DIMENSIONS

FOR SHAFTS 4-3/16 to 10-1/2"

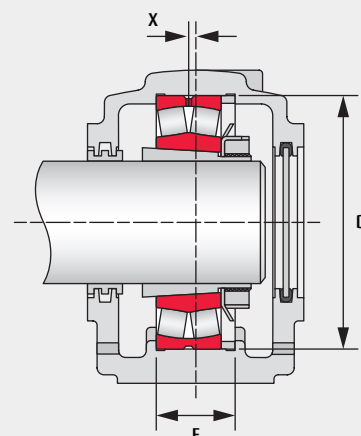
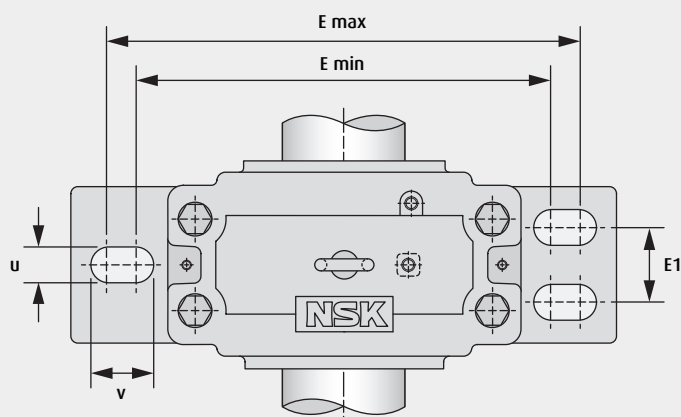


SHAFT DIAMETER	COMPLETE ASSEMBLY	ASSEMBLY COMPONENTS					
S1		Pillow block housing	Basic bearing type	Adapter sleeve ¹	Labyrinth seal ² (included)	Stabilizing ring (included)	End cover
in							
4-3/16	SAF 23024K x 4-3/16	SAF 024K	23024 K	SNW 3024 / 4.3/16	LER 113	SR-20-17	EPR 14
4-7/16	SAF 23026K x 4-7/16	SAF 026K	23026 K	SNW 3026 / 4.7/16	LER 117	SR-22-19	EPR 15
4-15/16	SAF 23028K x 4-15/16	SAF 028K	23028 K	SNW 3028 / 4.15/16	LER 122	SR-0-20	EPR 27
5-3/16	SAF 23030K x 5-3/16	SAF 030K	23030 K	SNW 3030 / 5.3/16	LER 125	SR-0-21	EPR 16
5-7/16	SAF 23032K x 5-7/16	SAF 032K	23032 K	SNW 3032 / 5.7/16	LER 130	SR-0-22	EPR 16
5-15/16	SAF 23034K x 5-15/16	SAF 034K	23034 K	SNW 3034 / 5.15/16	LER 140	SR-0-24	EPR 18
6-7/16	SAF 23036K x 6-7/16	SAF 036K	23036 K	SNW 3036 / 6.7/16	LER 148	SR-0-26	EPR 19
6-15/16	SAF 23038K x 6-15/16	SAF 038K	23038 K	SNW 3038 / 6.15/16	LER 155	SR-32-0	EPR 20
7-3/16	SAF 23040K x 7-3/16	SAF 040K	23040 K	SNW 3040 / 7.3/16	LER 159	SR-34-0	EPR 21
7-15/16	SAF 23044K x 7-15/16	SAF 044K	23044 K	SNW 3044 / 7.15/16	LER 167	SR-38-32	EPR 23
8-7/16	SAF 23048K x 8-7/16	SAF 048K	23048 K	SNP 3048 / 8.7/16	LER 550	A8897	
8-1/2	SAF 23048K x 8-1/2	SAF 048K	23048 K	SNP 3048 / 8.1/2	LER 551	A8897	
8-15/16	SAF 23048K x 8-15/16	SAF 048K	23048 K	SNP 3048 / 8.15/16	LER 552	A8897	
9	SAF 23048K x 9	SAF 048K	23048 K	SNP 3048 / 9	LER 513	A8897	
9-7/16	SAF 23052K x 9-7/16	SAF 052K	23052 K	SNP 3052 / 9.7/16	LER 553	A8898	
9-1/2	SAF 23052K x 9-1/2	SAF 052K	23052 K	SNP 3052 / 9.1/2	LER 178	A8898	
9-15/16	SAF 23056K x 9-15/16	SAF 056K	23056 K	SNP 3056 / 9.15/16	ER 751	A8819	
10	SAF 23056K x 10	SAF 056K	23056 K	SNP 3056 / 10	ER 705	A8819	
10-7/16	SAF 23056K x 10-7/16	SAF 056K	23056 K	SNP 3056 / 10.7/16	ER 745	A8819	
10-1/2	SAF 23056K x 10-1/2	SAF 056K	23056 K	SNP 3056 / 10.1/2	ER 710	A8819	

1) Both ANSI and ISO adapters are possible and available. Refer to the **Bearings and Sleeves Reference Guide by Shaft Size and Series** on page 12.

2) SAF pillow blocks are supplied equipped with LER labyrinth seals. For additional seal options, refer to the **Seal Reference Guide by Shaft Size and Series** on page 8.

3) Additional shaft sizes are possible. **Contact NSK.**



PILLOW BLOCK DIMENSIONS

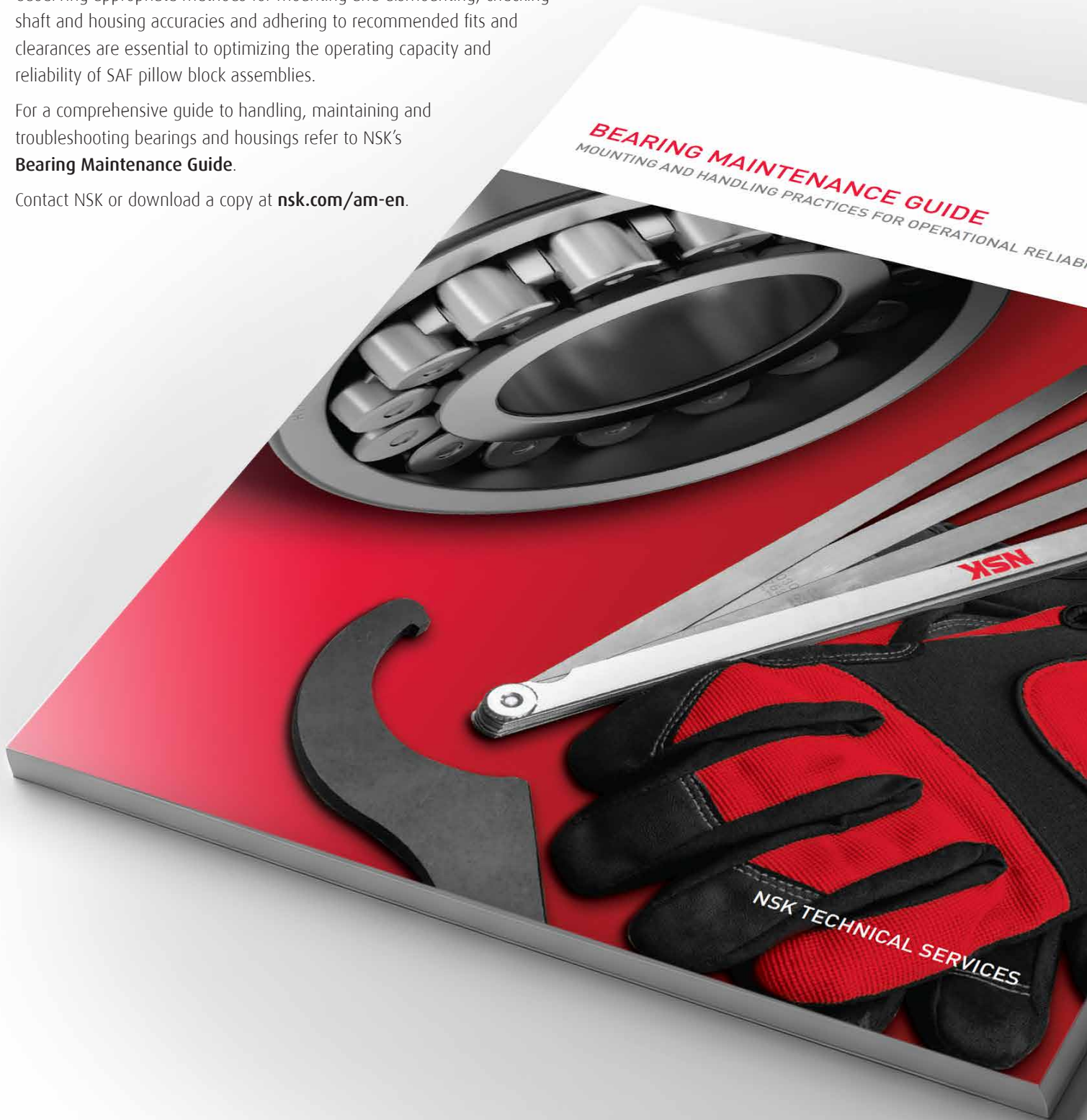
A	B	b	G	E max	E min	E1	H	L	X	u	v	bolts	D	F	~ wt.
in	in	in	in	in	in	in	in	in	in	mm	mm	qty / in	mm	mm	lbs
4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6	0.188	22.2	41.2	4 x 3/4	180	65.6	47.5
4-15/16	16-1-2	4-3/4	2	14-1/2	12-5/8	2-3/4	9-5/8	6-1/2	0.188	22.2	46	4 x 3/4	200	71.6	56.0
5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-3/8	0.188	22.2	38	4 x 3/4	210	72.6	68.7
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-9/16	8	0.188	25.4	42.9	4 x 7/8	225	75.6	106.9
6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-9/16	8	0.188	25.4	42.9	4 x 7/8	240	79.6	125.4
6	20-1/8	5-7/8	2-3/8	17-1/8	16	3-3/8	11-3/4	7-5/8	0.188	25.4	42.7	4 x 1	260	86.6	119.9
6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-1/2	8-3/4	0.188	28.4	52.3	4 x 1	280	93.6	171.6
7-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-1/2	8-3/4	0.188	28.4	52.3	4 x 1	290	94.6	167.3
7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/8	9-5/8	0.188	28.4	57	4 x 1	310	101.6	192.9
7-7/8	28	7-1/2	3-1/8	24-3/8	21-5/8	4-1/2	15-7/8	10-5/8	0.188	35	66.8	4 x 1-1/4	340	109.6	304.4
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	111.6	270.0
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	111.6	270.0
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	111.6	270.0
8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	0.188	35	66.8	4 x 1-1/4	360	111.6	270.0
8-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12	0.188	42.8	82.5	4 x 1-1/2	400	123.6	450.4
8-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12	0.188	42.8	82.5	4 x 1-1/2	400	123.6	450.4
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	0.188	42.8	82.5	4 x 1-1/2	420	125.6	507.0
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	0.188	42.8	82.5	4 x 1-1/2	420	125.6	507.0
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	0.188	42.8	82.5	4 x 1-1/2	420	125.6	507.0
9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	0.188	42.8	82.5	4 x 1-1/2	420	125.6	507.0

BEST PRACTICES. BEST OUTCOMES.

Observing appropriate methods for mounting and dismounting, checking shaft and housing accuracies and adhering to recommended fits and clearances are essential to optimizing the operating capacity and reliability of SAF pillow block assemblies.

For a comprehensive guide to handling, maintaining and troubleshooting bearings and housings refer to NSK's **Bearing Maintenance Guide**.

Contact NSK or download a copy at nsk.com/am-en.





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