



**FSQ**

**We Bear The Rolling World**



**ROYSE**

rodamientos y servicios  
Desde 1979

Since 1978



**BH2010**

**The only one from Taiwan**



Some sizes of housings listed in this catalog may not be available.

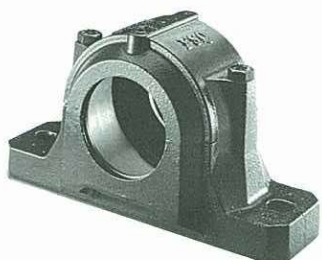
**SN500-600 Series**  
**SN200-300 Series**  
**SN3000 Series**  
**SN3100 Series**  
**Medium duty**



**SSN500-600TAC Series**



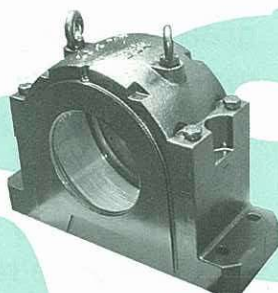
**SNK500-600 Series**  
**SNK200-300 Series**



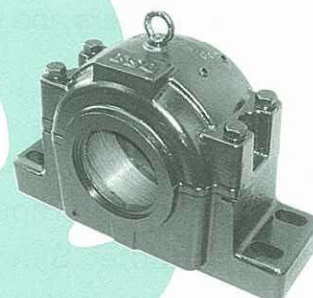
**SD500-600 Series**  
**SD200-300 Series**  
**SD3000 Series**



**SNK3000 Series**  
**SNK3100 Series**



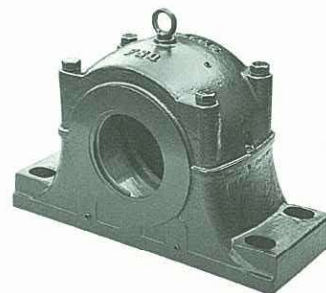
**SAF500-600 Series**  
**SAF200-300 Series**



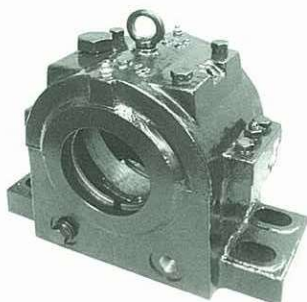
**SD3100 Series**



**SDAF500-600 Series**  
**SDAF200-300 Series**  
**SDAF-230K Series**



**SOFN500-600 Series**  
**SOFN200-300 Series**



Founded in 1978, FSQ was merged with the big group-FAIR FRIEND group which is the leading manufacturer of CNC Machine Tools, PC Boards, LCD Monitors and TV sets, Elevators, Car Parking Systems, Fork-lift Trucks, Pneumatic Tools, Spray Guns, Door Closers and some other products.

The products of FSQ consists of Pillow Blocks, Plummer Blocks (Split Pillow Blocks), Adapter Sleeves and Bushes including a comprehensive selection of ranges.

### **Made by FSQ**

Stands for Excellence and Reliability. With consistent endeavour to maintain the highest quality, of its products and services, FSQ gives a concept of quality product does not necessary expensive.

### **Materials**

The standard of FSQ bearing housings is made of grey cast iron. Certain housings are also available in spheroidal graphite cast iron (ductile iron) and cast steel if higher strength is required. However, housings in Stainless Steel is also can be supplied.

For applications where housings of greater strength are needed, FSQ manufactures ranges of bearing housings of SSN, SSNK, SSD, SSAF... The bases of these housings are solid and may be drilled for 2 or 4 bolt fixing are required.

### **Seals**

Several different seals can be supplied. All rubber seals can be used at temperatures between -40°C and + 100°C

Many other types of bearing housings not listed in this catalog and variants of listed housings adapted to customer demands can also be supplied.



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### 2. Pillow Blocks-Ball Bearing Units

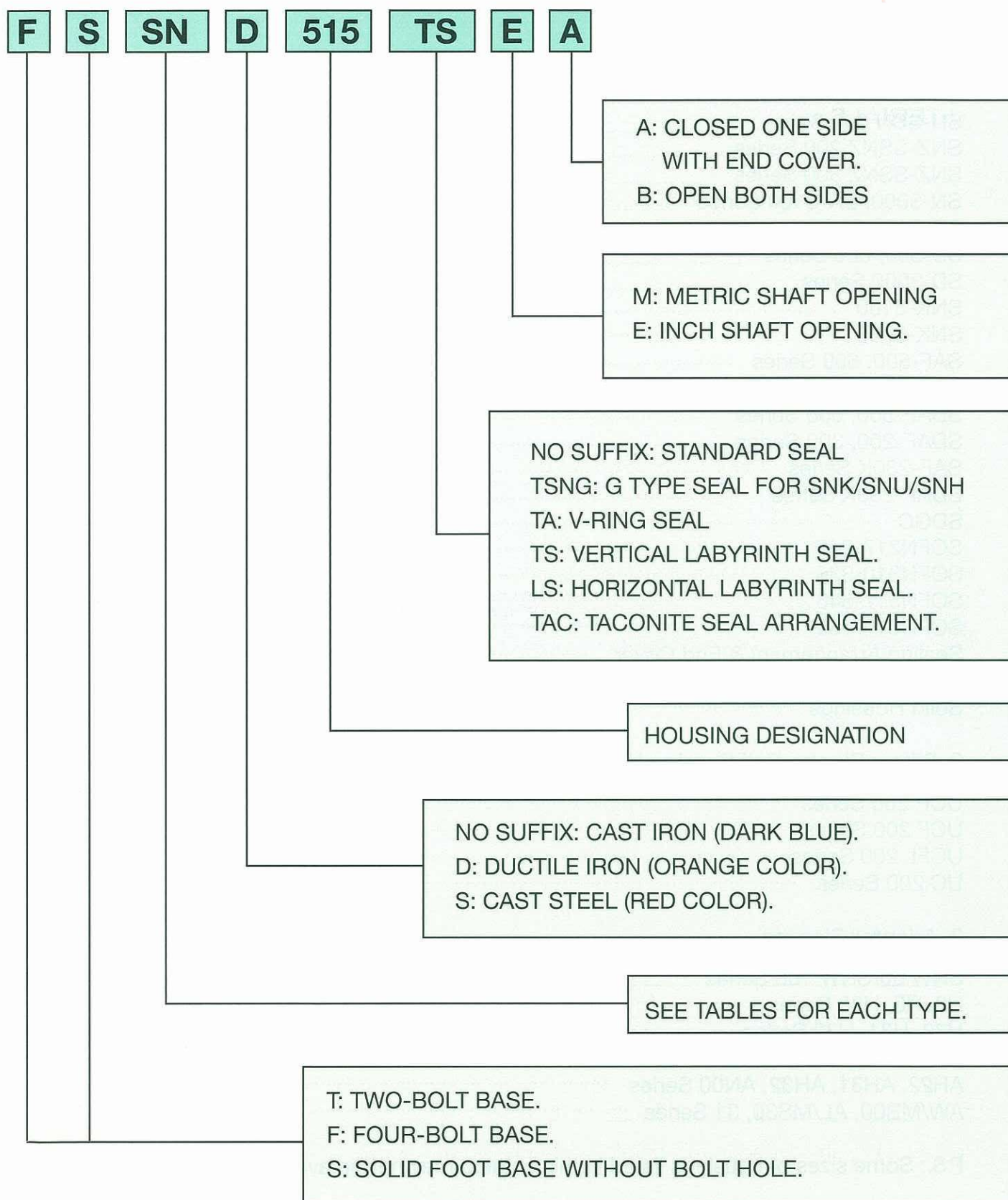
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P.S.: Some sizes of housings listed in this catalog may not be available.







Split pillow block bearing housings mentioned in the catalog are cast and produced in accordance with the ISO/R113 - 1994 standard. (B.S. 1642: 1969 standard, JIS B 1551 - 1968 standard) The following tables show the standardization of materials and relative machining tolerance covering the housings and its accessories.

## 1. MATERIALS:

### A. HOUSING

MATERIAL	ISO CODE	U.S. CODE	TENSILE STRENGTH kgf/mm <sup>2</sup>	YIELD STRENGTH kgf/mm <sup>2</sup>	ELONGATION
<b>CAST IRON</b>	GRADE 200 (FC200)	ASTM A48 GRADE 30	20	—	—
<b>DUCTILE IRON (S.G.)</b>	GRADE 450-10 (FCD 450)	ASTM A536 GRADE 65-45-12	45	30	10%
<b>CAST STEEL</b>	GRADE 230-450 (SC 450)	ASTM A27 GRADE 65-35	46	23	19%

- Stainless steel material is also available.

### B. ACCESSORIES:

NAME	PART NO.	MATERIALS
<b>FELT STRIP</b>	FS	80% WOOL, 20% RAYON, DENSITY 0.25g/cm <sup>3</sup>
<b>LOCATING RING</b>	SR	ALUMINUM
<b>HEXAGON BOLT</b>	M	MILD STEEL AISI 1010 (SS41)/GRADE 8.8
<b>ZF SEAL</b>	ZF	NBR
<b>TC SEAL</b>	OSM	NBR
<b>U-LOK SEAL</b>	U-500	NBR
<b>TSNG SEAL</b>	TSNG500	NBR
<b>V-RING SEAL</b>	TSNA500	NBR & MILD STEEL PLATE
<b>LABYRINTH SEAL</b>	TS/LER	CAST IRON/ALUMINUM
<b>TACONITE CARRIER</b>	TAC/TER/TACK	CAST IRON
<b>END COVER</b>	500A/500NA	NBR & MILD STEEL PLATE
<b>END PLATE</b>	P	MILD STEEL PLATE
<b>END COVER</b>	TSA	CAST IRON
<b>END PLUG</b>	EPR	NBR & MILD STEEL PLATE
<b>EYE-BOLT</b>	W/M	MILD STEEL AISI 1010

Declaration: Weights listed in this catalog are subject to change without notice.



# Standard & Tolerances

**FSQ**

## 2. MACHINE TOLERANCE:

### A. HOUSINGS BORE.

(μm)

BORE mm	G7	H7	H8	J7
10 - 18	+ 24 + 6	+ 18 - 0	+ 27 - 0	+ 10 - 8
18 - 30	+ 28 + 7	+ 21 - 0	+ 33 - 0	+ 12 - 9
30 - 50	+ 34 + 9	+ 25 - 0	+ 39 - 0	+ 14 - 11
50 - 80	+ 40 + 10	+ 30 - 0	+ 46 - 0	+ 18 - 12
80 - 120	+ 47 + 12	+ 35 - 0	+ 54 - 0	+ 22 - 13
120 - 180	+ 54 + 14	+ 40 - 0	+ 63 - 0	+ 26 - 14
180 - 250	+ 61 + 15	+ 46 - 0	+ 72 - 0	+ 30 - 16
250 - 315	+ 69 + 17	+ 52 - 0	+ 81 - 0	+ 36 - 16
315 - 400	+ 75 + 18	+ 57 - 0	+ 89 - 0	+ 39 - 18
400 - 500	+ 83 + 20	+ 63 - 0	+ 97 - 0	+ 43 - 20
500 - 620	+ 92 + 23	+ 70 - 0	+ 110 - 0	+ 46 - 23

### B. EXCEPT HOUSINGS BORE.

(μm)

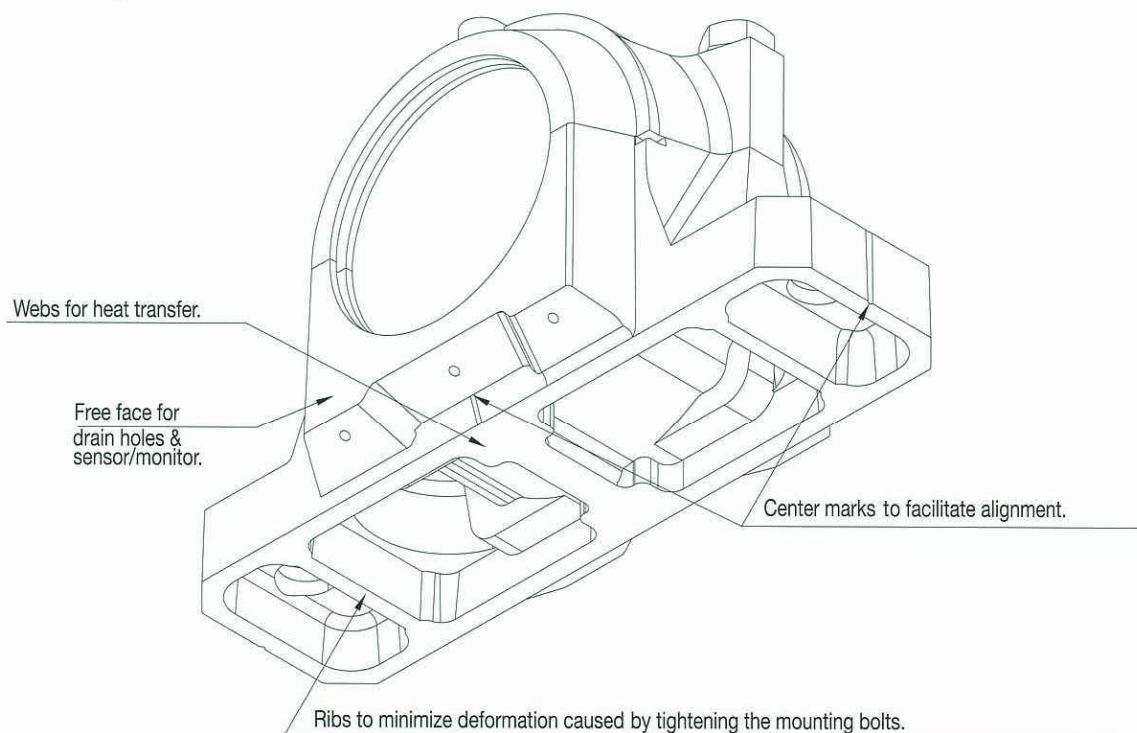
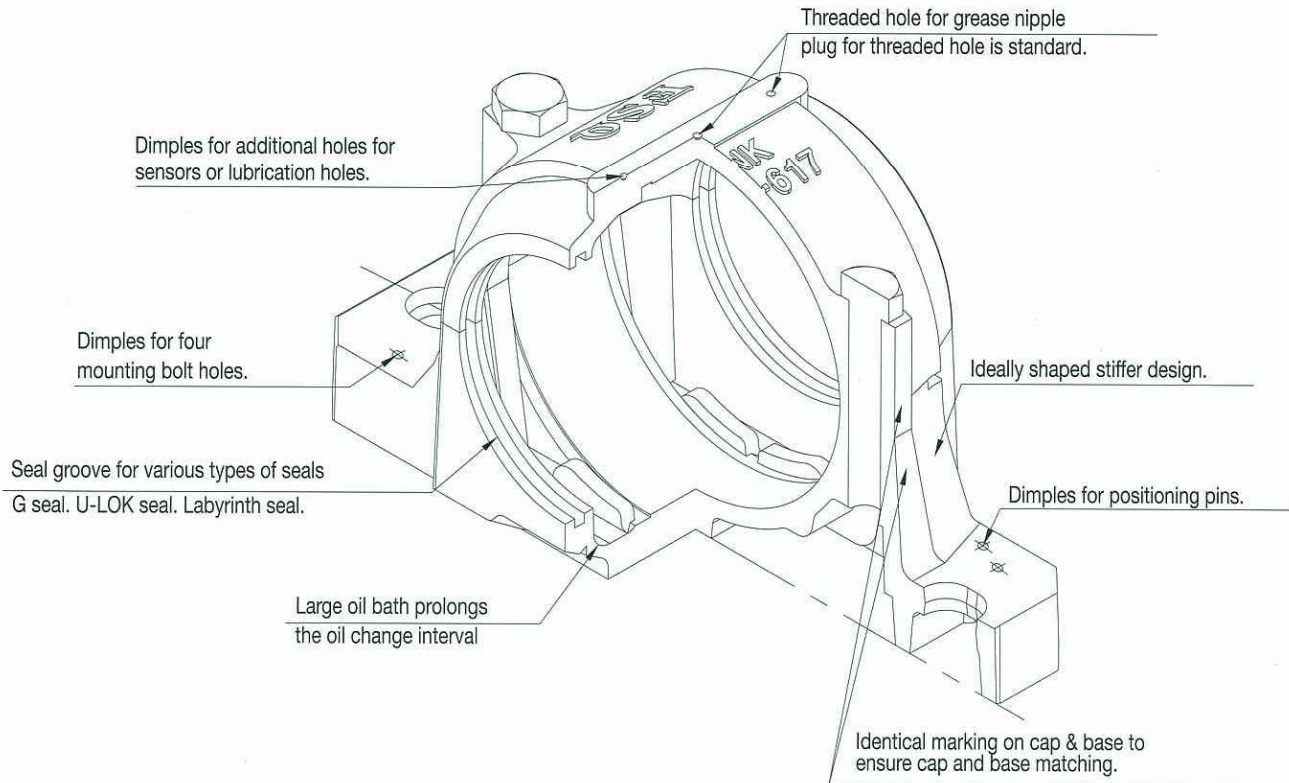
DIMENSION mm	H10	H11	H12	H13	h13
10 - 18	+ 70 - 0	+ 110 - 0	+ 180 - 0	+ 270 - 0	+ 0 - 270
18 - 30	+ 84 - 0	+ 130 - 0	+ 210 - 0	+ 330 - 0	+ 0 - 330
30 - 50	+ 100 - 0	+ 160 - 0	+ 250 - 0	+ 390 - 0	+ 0 - 390
50 - 80	+ 120 - 0	+ 190 - 0	+ 300 - 0	+ 460 - 0	+ 0 - 460
80 - 120	+ 140 - 0	+ 220 - 0	+ 350 - 0	+ 540 - 0	+ 0 - 540
120 - 180	+ 160 - 0	+ 250 - 0	+ 400 - 0	+ 630 - 0	+ 0 - 630
180 - 250	+ 185 - 0	+ 290 - 0	+ 460 - 0	+ 720 - 0	+ 0 - 720
250 - 315	+ 210 - 0	+ 320 - 0	+ 520 - 0	+ 810 - 0	+ 0 - 810
315 - 400	+ 230 - 0	+ 360 - 0	+ 570 - 0	+ 890 - 0	+ 0 - 890

### C. SELECTION OF BEARING HOUSING TOLERANCES.

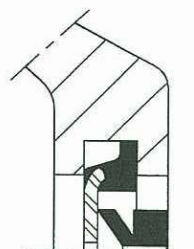
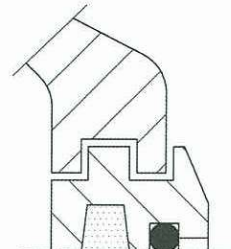
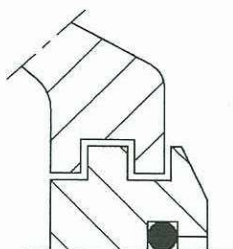
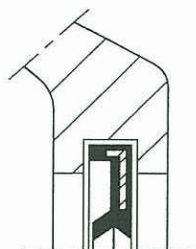
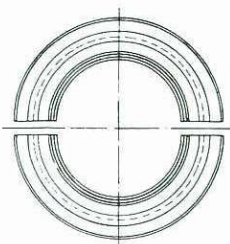
Conditions		Examples	Tolerance symbol according to ISO
Indeterminate load direction	Normal and light loads, Axial displacement of the outer ring desirable	Electrical motors, Pumps, Crankshaft main bearings	J7
Fixed outer ring load	Shock loads, Temporary complete unloading	Journal boxes for rail vehicles	
	All loads	Bearing applications in general, Journal boxes for rail vehicles	H7
	Normal and light loads, Loads under simple operating conditions	Line shaftings	H8
	Heat supplied through the shaft	Dryer cylinders	G7



Interchangeable with SNA/SNU/SNH/SNN/SNV/SNL



# U-LOK® Seal Kit

**FSQ**

**U-LOK® Seal Kit**
**U-LOK Seal, U5xx**
**TS-U seal, TS5xxU**  
 for temperature up to +120°C

**TS-UF seal, TS5xxUF**  
 for temperature up to +120°C

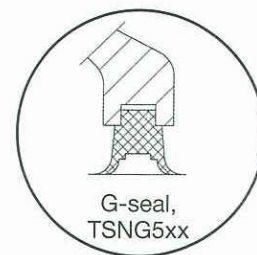
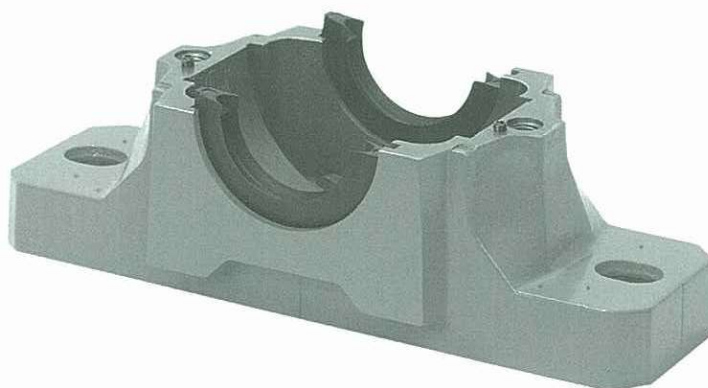
**V-ring seal, TSNA5xx**

SHAFT DIA.	HOUSING	U-LOK KIT	CLOSED COVER	LABYRINTH SEAL	OPEN V'RING KIT	TACK
						Taconite Seal
20	SNK505	U505	505A	TS505-U	TSNA505	TACK-505
	SNK506-605	U605	506A	TS506-U	TSNA605	
25	SNK506-605	U506	506A	TS506-U	TSNA506	TACK-506
	SNK507-606	U606	507A	TS606-U	TSNA606	
30	SNK507-606	U507	507A	TS507-U	TSNA507	TACK-507
	SNK508-607	U607	508A	TS607-U	TSNA607	
35	SNK508-607	U508	508A	TS508-U	TSNA508	TACK-508
	SNK510-608	U608	510A	TS608-U	TSNA608	
40	SNK509	U509	509A	TS509-U	TSNA509	TACK-509
	SNK511-609	U609	511A	TS609-U	TSNA609	
45	SNK510-608	U510	510A	TS510-U	TSNA510	TACK-510
	SNK512-610	U610	512A	TS610-U	TSNA610	
50	SNK511-609	U511	511A	TS511-U	TSNA511	TACK-511
	SNK513-611	U611	513A	TS611-U	TSNA611	
55	SNK512-610	U512	512A	TS512-U	TSNA512	TACK-512
	SNK515-612	U612	515A	TS612-U	TSNA612	
60	SNK513-611	U513	513A	TS513-U	TSNA513	TACK-513
	SNK516-613	U613	516A	TS613-U	TSNA613	
65	SNK515-612	U515	515A	TS515-U	TSNA515	TACK-515
	SNK518-615	U615	518A	TS615-U	TSNA615	
70	SNK516-613	U516	516A	TS516-U	TSNA516	TACK-516
	SNK519-616	U616	519A	TS616-U	TSNA616	
75	SNK517	U517	517A	TS517-U	TSNA517	TACK-517
	SNK520-617	U617	520A	TS617-U	TSNA617	
80	SNK518-615	U518	518A	TS518-U	TSNA518	TACK-518
85	SNK519-616	U519	519A	TS519-U	TSNA519	TACK-519
	SNK522-619	U619	522A	TS619-U	TSNA619	
90	SNK520-617	U520	520A	TS520-U	TSNA520	TACK-520
	SNK524-620	U620	524A	TS620-U	TSNA620	
100	SNK522-619	U522	522A	TS522-U	TSNA522	TACK-522
110	SNK524-620	U524	524A	TS524-U	TSNA524	TACK-524
115	SNK526	U526	526A	TS526-U	TSNA526	TACK-526
125	SNK528	U528	528A	TS528-U	TSNA528	TACK-528
135	SNK530	U530	530A	TS530-U	TSNA530	TACK-530
140	SNK532	U532	532A	TS532-U	TSNA532	TACK-532
		4 Halves per kit	Qty 1	Qty 1	2 Pcs per kit	Unit

• TSN-C Seal is also available.



**TSNG Seal can fit both metric & imperial shaft.**



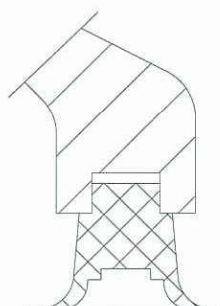
TSNA-G SEAL	SHAFT DIA. mm	SHAFT DIA. inch		TSNA-G SEAL	SHAFT DIA. mm	SHAFT DIA. inch	
TSNG 507	30	1 1/8	1 3/16	TSNG 607	30	1 1/8	1 3/16
TSNG 508	35	1 5/16	1 3/8	TSNG 608	35	1 5/16	1 3/8
TSNG 509	40	1 1/2	1 9/16	TSNG 609	40	1 1/2	1 9/16
TSNG 510	45	1 11/16	1 3/4	TSNG 610	45	1 11/16	1 3/4
TSNG 511	50	1 15/16	2	TSNG 611	50	1 15/16	2
TSNG 512	55	2 1/8	2 3/16	TSNG 612	55	2 1/8	2 3/16
TSNG 513	60	2 1/4	2 5/16	TSNG 613	60	2 1/4	2 5/16
TSNG 515	65	2 7/16	2 1/2	TSNG 615	65	2 7/16	2 1/2
TSNG 516	70	2 11/16	2 3/4	TSNG 616	70	2 11/16	2 3/4
TSNG 517	75	2 15/16	3	TSNG 617	75	2 15/16	3
TSNG 518	80	3 3/16	3 1/4	TSNG 619	85	3 5/16	3 3/8
TSNG 519	85	3 5/16	3 3/8	TSNG 620	90	3 7/16	3 1/2
TSNG 520	90	3 7/16	3 1/2				
TSNG 522	100	3 15/16	4				
TSNG 524	110	4 3/16	4 1/4				
TSNG 526	115	4 7/16	4 1/2				
TSNG 528	125	4 15/16	5				
TSNG 530	135	5 3/16	5 1/4				
TSNG 532	140	5 7/16	5 1/2				

- 4 halves per kit in a package.

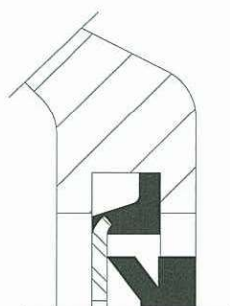
## SNK Sealing

**FSQ**

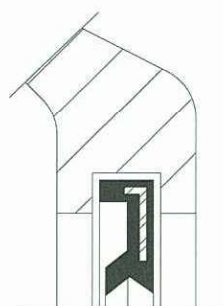
There are several different types of seal designs for use in SNK type Bearing Housings. Many alternative choices are available to the user to ensure that the correct or most suitable solution will be found to meet the condition surrounding a particular application.



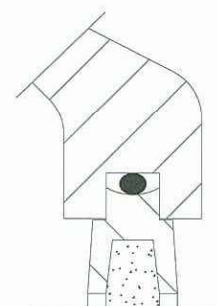
**TSNG**



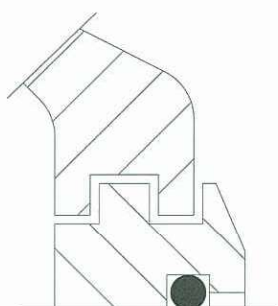
**TSNA**



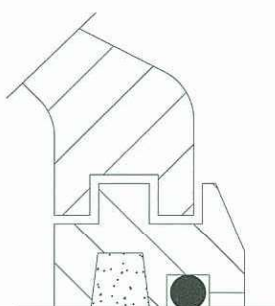
**U-LOK**



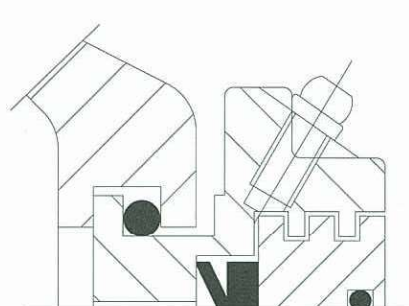
**TSNC**



**TS-U**



**TS-UF**

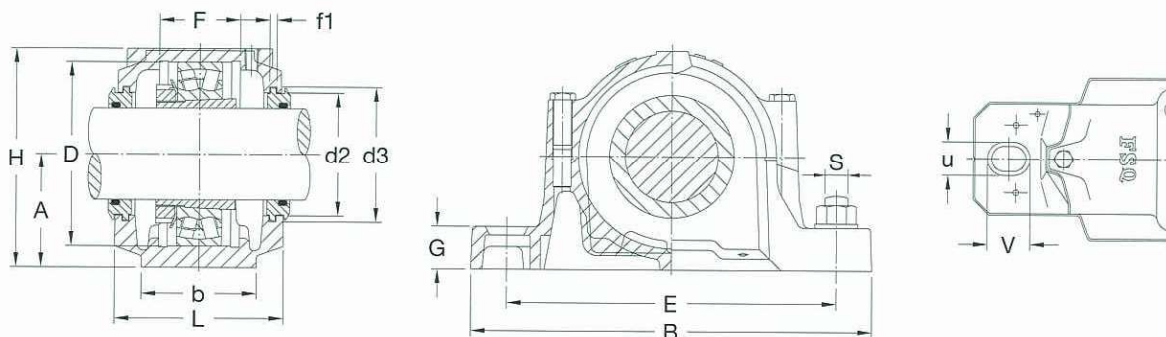


**TACK**

Seal Selection	TSNG	TSNC	TSNA	U-LOK	TS-UF	TS-U	TACK
Material	NBR	Mild Steel+FS	NBR Rubber+ Mild Steel Plate	NBR Rubber	Cast Iron+FS	Cast Iron	Cast Iron+Rubber
Temperature	-35°C ~ +80°C	-40°C ~ +100°C	-20°C ~ +100°C	-20°C ~ +100°C	-40°C ~ +120°C *	-40°C ~ +120°C *	-40°C ~ +100°C
Maximum Speed	5m/s	4m/s	7m/s	4m/s	Same as bearing	Same as bearing	7m/s
Grease Relubrication	Excellent	Good	Excellent	Excellent	Good	Good	Good
Oil Lubrication	Good	Poor	Good	Good	Excellent	Excellent	Good
Low Friction	Good	Poor	Good	Good	Excellent	Excellent	Good
Against Dust/Fine Particulate	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Against Coarse Particulate	Good	Excellent	Poor	Good	Good	Excellent	Poor
Against Water	Good	Fair	Good	Good	Fair	Fair	Good

NOTES: \* Operating temperature range can be -50°C to +200°C, please consult FSQ





HOUSING No.	L	b	f1 H13	F H13	D H7	d2 H12	d3 H13	H	A h12	G	E	B	v	u	S	WEIGHT ( kg )
SNK 505	67	46	5	25	52	31.5	39.5	72	40	19	130	165	20	13	10	1.50
SNK 506-605	77	52	5	32	62	36.5	44.5	87	50	22	150	185	20	13	10	2.00
SNK 507-606	82	52	5	34	72	46.5	54.5	92	50	22	150	185	20	13	10	2.32
SNK 508-607	85	60	5	39	80	51.5	59.5	106	60	25	170	205	20	15	12	2.90
SNK 509	85	60	5	30	85	56.5	64.5	108	60	25	170	205	20	15	12	3.10
SNK 510-608	90	60	5	41	90	62	70.5	112	60	25	170	205	20	15	12	3.31
SNK 511-609	95	70	5	44	100	67	75.5	126	70	28	210	255	24	18	16	4.54
SNK 512-610	105	70	5	48	110	72	80.5	132	70	30	210	255	24	18	16	5.47
SNK 513-611	110	80	5	51	120	77	85.5	147	80	30	230	275	24	18	16	6.60
SNK 515-612	115	80	5	56	130	87	95.5	153	80	30	230	280	26	18	16	7.30
SNK 516-613	120	90	5	58	140	92.5	101	174	95	32	260	315	28	22	20	9.95
SNK 517	125	90	5	61	150	97.5	106	180	95	32	260	320	28	22	20	10.82
SNK 518-615	140	100	5	65	160	102.5	111	190	100	35	290	345	28	22	20	13.30
SNK 519-616	145	100	6	68	170	131	141	208.5	112	35	290	345	28	22	20	15.00
SNK 520-617	160	110	6	70	180	137.5	147.5	214.5	112	40	320	380	32	26	24	18.80
SNK 522-619	175	120	6	80	200	147.5	157.5	238.5	125	45	350	410	32	26	24	23.50
SNK 524-620	185	120	6	86	215	157.5	167.5	271	140	45	350	410	32	26	24	28.00
SNK 526	190	130	6	90	230	167.5	177.5	290	150	50	380	445	35	28	24	34.00
SNK 528	205	150	6	98	250	177.5	187.5	302	150	50	420	500	42	35	30	41.50
SNK 530	220	160	6	106	270	192.5	202.5	323	160	60	450	530	42	35	30	50.50
SNK 532	235	160	6	114	290	202.5	212.5	344	170	60	470	550	42	35	30	56.70

**NOTES:**

- SNK/SNU housings can be equipped with TSNG, U-LOK, TSNA, TS-U & TS-UF seals.
- SNU/SSNU/SNA housings are available.
- Weight is only for reference.

# SNK/SNU 500-600 Series

**FSQ**

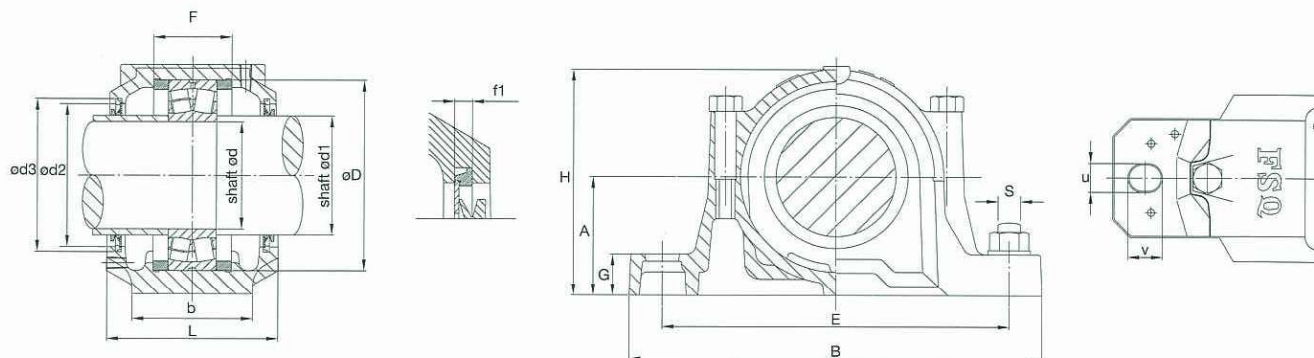
Shaft Dia. mm	Housing No.	Bearing No.		Adapter Sleeve	Sealing Arrangement *		End Cover	Locating Ring	
		Self-Alig. Ball	Spherical Roller		Standard	Alternative		Number	O'ty
					U-Lok	TSNA-G			
20	SNK 505	1205K	-	H205	U505		505A	52x5	2
	SNK 505	2205K	22205K	H305	U505		505A	52x3.5	2
	SNK 506-605	1305K	-	H305	U605		506A	62x7.5	2
	SNK 506-605	2305K	-	H2305	U605		506A	62x4	2
25	SNK 506-605	1206K	-	H206	U506		506A	62x8	2
	SNK 506-605	2206K	22206K	H306	U506		506A	62x6	2
	SNK 507-606	1306K	-	H306	U606		507A	72x7.5	2
	SNK 507-606	2306K	-	H2306	U606		507A	72x3.5	2
30	SNK 507-606	1207K	-	H207	U507	TSNG 507	507A	72x8.5	2
	SNK 507-606	2207K	22207K	H307	U507	TSNG 507	507A	72x5.5	2
	SNK 508-607	1307K	-	H307	U607	TSNG 607	508A	80x9	2
	SNK 508-607	2307K	-	H2307	U607	TSNG 607	508A	80x4	2
35	SNK 508-607	1208K	-	H208	U508	TSNG 508	508A	80x10.5	2
	SNK 508-607	2208K	22208K	H308	U508	TSNG 508	508A	80x8	2
	SNK 510-608	1308K	21308K	H308	U608	TSNG 608	510A	90x9	2
	SNK 510-608	2308K	22308K	H2308	U608	TSNG 608	510A	90x4	2
40	SNK 509	1209K	-	H209	U509	TSNG 509	509A	85x5.5	2
	SNK 509	2209K	22209K	H309	U509	TSNG 509	509A	85x3.5	2
	SNK 511-609	1309K	21309K	H309	U609	TSNG 609	511A	100x9.5	2
	SNK 511-609	2309K	22309K	H2309	U609	TSNG 609	511A	100x4	2
45	SNK 510-608	1210K	-	H210	U510	TSNG 510	510A	90x10.5	2
	SNK 510-608	2210K	22210K	H310	U510	TSNG 510	510A	90x9	2
	SNK 512-610	1310K	21310K	H310	U610	TSNG 610	512A	110x10.5	2
	SNK 512-610	2310K	22310K	H2310	U610	TSNG 610	512A	110x4	2
50	SNK 511-609	1211K	-	H211	U511	TSNG 511	511A	100x11.5	2
	SNK 511-609	2211K	22211K	H311	U511	TSNG 511	511A	100x9.5	2
	SNK 513-611	1311K	21311K	H311	U611	TSNG 611	513A	120x11	2
	SNK 513-611	2311K	22311K	H2311	U611	TSNG 611	513A	120x4	2
55	SNK 512-610	1212K	-	H212	U512	TSNG 512	512A	110x13	2
	SNK 512-610	2212K	22212K	H312	U512	TSNG 512	512A	110x10	2
	SNK 515-612	1312K	21312K	H312	U612	TSNG 612	515A	130x12.5	2
	SNK 515-612	2312K	22312K	H2312	U612	TSNG 612	515A	130x5	2
60	SNK 513-611	1213K	-	H213	U513	TSNG 513	513A	120x14	2
	SNK 513-611	2213K	22213K	H313	U513	TSNG 513	513A	120x10	2
	SNK 516-613	1313K	21313K	H313	U613	TSNG 613	516A	140x12.5	2
	SNK 516-613	2313K	22313K	H2313	U613	TSNG 613	516A	140x5	2
65	SNK 515-612	1215K	-	H215	U515	TSNG 515	515A	130x15.5	2
	SNK 515-612	2215K	22215K	H315	U515	TSNG 515	515A	130x12.5	2
	SNK 518-615	1315K	21315K	H315	U615	TSNG 615	518A	160x14	2
	SNK 518-615	2315K	22315K	H2315	U615	TSNG 615	518A	160x5	2



Shaft Dia. mm	Housing No.	Bearing No.		Adapter Sleeve	Sealing Arrangement *		End Cover	Locating Ring	
		Self-Alig. Ball	Spherical Roller		Standard	Alternative		Number	Q'ty
					U-Lok	TSNA-G			
70	SNK 516-613	1216K	—	H216	U516	TSNG 516	516A	140x16	2
	SNK 516-613	2216K	22216K	H316	U516	TSNG 516	516A	140x12.5	2
	SNK 519-616	1316K	21316K	H316	U616	TSNG 616	519A	170x14.5	2
	SNK 519-616	2316K	22316K	H2316	U616	TSNG 616	519A	170x5	2
75	SNK 517	1217K	—	H217	U517	TSNG 517	517A	150x16.5	2
	SNK 517	2217K	22217K	H317	U517	TSNG 517	517A	150x12.5	2
	SNK 520-617	1317K	21317K	H317	U617	TSNG 617	520A	180x14.5	2
	SNK 520-617	2317K	22317K	H2317	U617	TSNG 617	520A	180x5	2
80	SNK 518-615	1218K	—	H218	U518	TSNG 518	518A	160x17.5	2
	SNK 518-615	2218K	22218K	H318	U518	TSNG 518	518A	160x12.5	2
	SNK 518-615	—	23218K	H2318	U518	TSNG 518	518A	160x12.5	1
85	SNK 519-616	1219K	—	H219	U519	TSNG 519	519A	170x18	2
	SNK 519-616	2219K	22219K	H319	U519	TSNG 519	519A	170x12.5	2
	SNK 522-619	—	22319K	H2319	U619	TSNG 619	522A	200x13	1
90	SNK 520-617	1220K	—	H220	U520	TSNG 520	520A	180x18	2
	SNK 520-617	2220K	22220K	H320	U520	TSNG 520	520A	180x12	2
	SNK 520-617	—	23220K	H2320	U520	TSNG 520	520A	180x9.7	1
	SNK 524-620	—	22320K	H2320	U620	TSNG 620	524A	215x13	1
100	SNK 522-619	1222K	—	H222	U522	TSNG 522	522A	200x21	2
	SNK 522-619	2222K	22222K	H322	U522	TSNG 522	522A	200x13.5	2
	SNK 522-619	—	23222K	H2322	U522	TSNG 522	522A	200x10	1
110	SNK 524-620		22224K	H3124	U524	TSNG 524	524A	215x14	2
	SNK 524-620		23224K	H2324	U524	TSNG 524	524A	215x10	1
115	SNK 526		22226K	H3126	U526	TSNG 526	526A	230x13	2
	SNK 526		23226K	H2326	U526	TSNG 526	526A	230x10	1
125	SNK 528		22228K	H3128	U528	TSNG 528	528A	250x15	2
	SNK 528		23228K	H2328	U528	TSNG 528	528A	250x10	1
135	SNK 530		22230K	H3130	U530	TSNG 530	530A	270x16.5	2
	SNK 530		23230K	H2330	U530	TSNG 530	530A	270x10	1
140	SNK 532		22232K	H3132	U532	TSNG 532	532A	290x17	2
	SNK 532		23232K	H2332	U532	TSNG 532	532A	290x10	1

\* U-Lok seal, TSNG seal, TSNA Seal and TS-U seal are interchangeable.

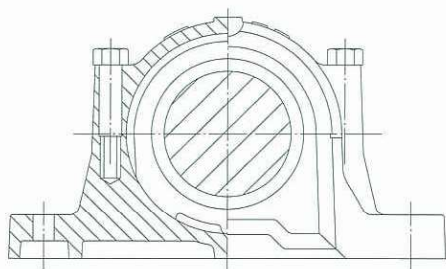
# SNK200 Series

**FSQ**


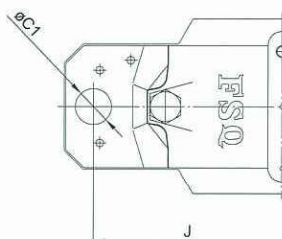
HOUSING NO.	SHAFT DIA.		DIMENSIONS mm														
	d	d1	L	b	f1 H13	F H13	D H7	d2 H12	d3 H12	H	A h12	G	E	B	v	u	S
SNK 205	25	30	67	46	5	25	52	36.5	44.5	72	40	19	130	165	20	13	10
SNK 206	30	35	77	52	5	32	62	46.5	54.5	87	50	22	150	185	22	13	10
SNK 207	35	45	82	52	5	34	72	56.5	64.5	92	50	22	150	185	20	13	10
SNK 208	40	50	85	60	5	39	80	62	70.5	106	60	25	170	205	20	15	12
SNK 209	45	55	85	60	5	30	85	67	75.5	108	60	25	170	205	20	15	12
SNK 210	50	60	90	60	5	41	90	72	80.5	112	60	25	170	205	20	15	12
SNK 211	55	65	95	70	5	44	100	77	85.5	126	70	28	210	255	23	18	16
SNK 212	60	70	105	70	5	48	110	87	95.5	132	70	30	210	255	23	18	16
SNK 213	65	75	110	80	5	51	120	92.5	101	147	80	30	230	275	24	18	16
SNK 215	75	85	115	80	5	56	130	102.5	111	153	80	30	230	280	26	18	16
SNK 216	80	90	120	90	5	58	140	108	116.5	174	95	32	260	315	29	22	20
SNK 217	85	95	125	90	5	61	150	112	120.5	180	95	32	60	320	30	22	20
SNK 218	90	100	140	100	5	65	160	120	128.5	190	100	35	290	345	27	22	20
SNK 219	95	110	145	100	6	68	170	131	141	208.5	112	35	290	345	27	22	20
SNK 220	100	115	160	110	6	70	180	137.5	147.5	214.5	112	40	320	380	32	26	24
SNK 222	110	125	175	120	6	80	200	147.5	157.5	238.5	125	45	350	410	32	26	24
SNK 224	120	135	185	120	6	86	215	157.5	167.5	271	140	45	350	410	32	26	24
SNK 226	130	145	190	130	6	90	230	167.5	177.5	290	150	50	380	445	35	28	24
SNK 228	140	155	205	150	6	98	250	177.5	187.5	302	150	50	420	500	42	35	30
SNK 230	150	165	220	160	6	106	270	192.5	202.5	323	160	60	450	530	42	35	30
SNK 232	160	175	235	160	6	114	290	202.5	212.5	344	170	60	470	550	42	35	30



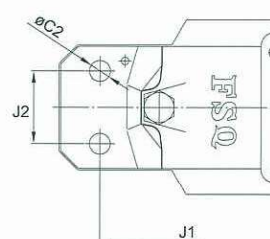
TYPE: SSNK



TYPE: 2-BOLT



TYPE: 4-BOLT

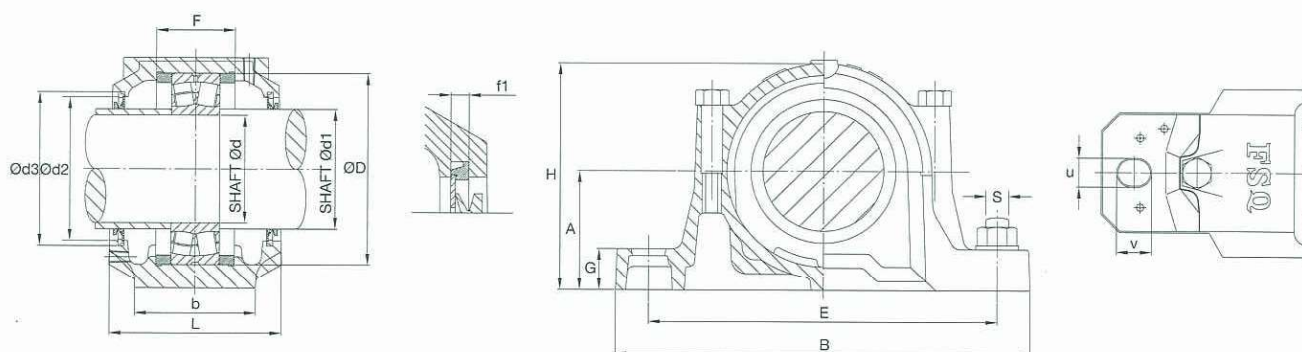


HOUSING NO.	BEARING NO.	TSNA=VW+V-RING			END COVER	Locating Ring		2-BOLT		4-BOLT		
		TSNA	VW	V-RING		Number	Q'ty	J	C1	J1	J2	C2
SNK 205	22205	TSNA-305	VW-305	V-30	506A	52x3.5	2	-	-	-	-	-
SNK 206	22206	TSNA-306	VW-306	V-35	507A	62x6	2	-	-	-	-	-
SNK 207	22207	TSNA-307	VW-307	V-45	509A	72x5.5	2	-	-	-	-	-
SNK 208	22208	TSNA-308	VW-308	V-50	510A	80x8	2	170	15	160	34	11
SNK 209	22209	TSNA-309	VW-309	V-55	511A	85x3.5	2	170	15	160	34	11
SNK 210	22210	TSNA-310	VW-310	V-60	512A	90x9	2	170	15	160	34	11
SNK 211	22211	TSNA-311	VW-311	V-65	513A	100x9.5	2	210	18	200	40	14
SNK 212	22212	TSNA-312	VW-312	V-70	515A	110x10	2	210	18	200	40	14
SNK 213	22213	TSNA-313	VW-313	V-75	516A	120x10	2	230	18	220	48	14
SNK 215	22215	TSNA-315	VW-315	V-85	518A	130x12.5	2	230	18	220	48	14
SNK 216	22216	TSNA-216	VW-216	V-90	216A	140x12.5	2	260	22	252	52	18
SNK 217	22217	TSNA-217	VW-217	V-95	217A	150x12.5	2	260	22	252	52	18
SNK 218	22218	TSNA-218	VW-218	V-100	218A	160x12.5	2	290	22	280	58	18
SNK 219	22219	TSNA-219	VW-219	V-110	519A	170x12.5	2	290	22	280	58	18
SNK 220	22220	TSNA-220	VW-220	V-120	520A	180x12	2	320	26	300	66	18
SNK 222	22222	TSNA-222	VW-222	V-130	522A	200x13.5	2	350	26	320	74	18
SNK 224	22224	TSNA-224	VW-224	V-140	524A	215x14	2	350	26	330	74	18
SNK 226	22226	TSNA-226	VW-226	V-150	526A	230x13	2	380	28	370	80	22
SNK 228	22228	TSNA-228	VW-228	V-160	528A	250x15	2	420	35	400	92	26
SNK 230	22230	TSNA-230	VW-230	V-170	530A	270x16.5	2	450	35	430	100	26
SNK 232	22232	TSNA-232	VW-232	V-180	532A	290x17	2	470	35	450	100	26

\* For TSSNK, oval holes is a standard and round holes is an option

# SNK300 Series

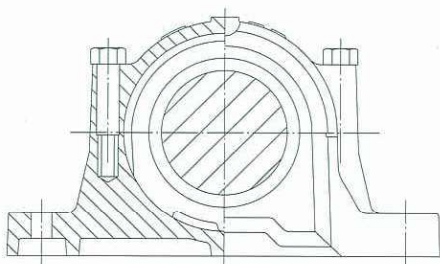
**FSQ**



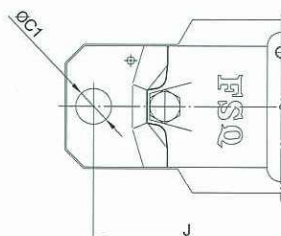
HOUSING NO.	SHAFT DIA.		DIMENSIONS mm														
	d	d <sub>1</sub>	L	b	f1 H13	F H13	D H7	d2 H12	d3 H12	H	A h12	G	E	B	v	u	S
SNK 305	25	30	77	52	5	32	62	36.5	44.5	87	50	22	150	185	22	13	10
SNK 306	30	35	82	52	5	34	72	46.5	54.5	92	50	22	150	185	20	13	10
SNK 307	35	45	85	60	5	39	80	56.5	64.5	106	60	25	170	205	20	15	12
SNK 308	40	50	90	60	5	41	90	62	70.5	112	60	25	170	205	20	15	12
SNK 309	45	55	95	70	5	44	100	67	75.5	126	70	28	210	255	23	18	16
SNK 310	50	60	105	70	5	48	110	72	80.5	132	70	30	210	255	23	18	16
SNK 311	55	65	110	80	5	51	120	77	85.5	147	80	30	230	275	24	18	16
SNK 312	60	70	115	80	5	56	130	87	95.5	153	80	30	230	280	26	18	16
SNK 313	65	75	120	90	5	58	140	92.5	101	174	95	32	260	315	29	22	20
SNK 314	70	80	125	90	5	61	150	97.5	106	180	95	32	260	320	30	22	20
SNK 315	75	85	140	100	5	65	160	102.5	111	190	100	35	290	345	27	22	20
SNK 316	80	90	145	100	6	68	170	131	141	208.5	112	35	290	345	27	22	20
SNK 317	85	95	160	110	6	70	180	137.5	147.5	214.5	112	40	320	380	32	26	24
SNK 319	95	110	175	120	6	80	200	147.5	157.5	238.5	125	45	350	410	32	26	24
SNK 320	100	115	185	120	6	86	215	157.5	167.5	271	140	45	350	410	32	26	24



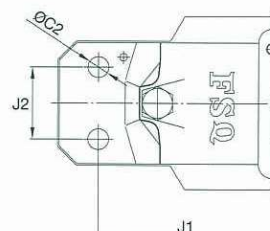
TYPE: SSNK



TYPE: 2-BOLT



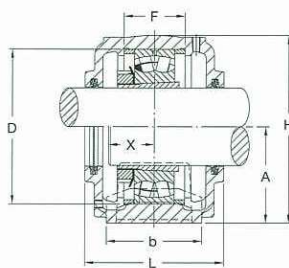
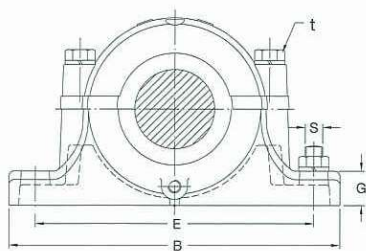
TYPE: 4-BOLT



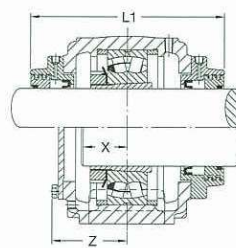
HOUSING NO.	BEARING NO.	TSNA=VW+V-RING			END COVER	Locating Ring		2-BOLT		4-BOLT		
		TSNA	VW	V-RING		Number	Q'ty	J	C1	J1	J2	C2
SNK 305	21305	TSNA-305	VW-305	V-30	506A	62x7.5	2	-	-	-	-	-
SNK 306	21306	TSNA-306	VW-306	V-35	507A	72x7.5	2	-	-	-	-	-
SNK 307	21307	TSNA-307	VW-307	V-45	509A	80x9	2	170	15	160	34	11
SNK 308	21308	TSNA-308	VW-308	V-50	510A	90x9	2	170	15	160	34	11
SNK 309	21309	TSNA-309	VW-309	V-55	511A	100x9.5	2	210	18	200	40	14
SNK 310	21310	TSNA-310	VW-310	V-60	512A	110x10.5	2	210	18	200	40	14
SNK 311	21311	TSNA-311	VW-311	V-65	513A	120x11	2	230	18	220	48	14
SNK 312	21312	TSNA-312	VW-312	V-70	515A	130x12.5	2	230	18	220	48	14
SNK 313	21313	TSNA-313	VW-313	V-75	516A	140x12.5	2	260	22	252	52	18
SNK 314	21314	TSNA-314	VW-314	V-80	517A	150x13	2	260	22	252	52	18
SNK 315	21315	TSNA-315	VW-315	V-85	518A	160x14	2	290	22	280	58	18
SNK 316	21316	TSNA-316	VW-316	V-90	519A	170x14.5	2	290	22	280	58	18
SNK 317	21317	TSNA-317	VW-317	V-95	520A	180x14.5	2	320	26	300	66	18
SNK 319	21319	TSNA-319	VW-319	V-110	522A	200x17.5	2	350	26	320	74	18
SNK 320	21320	TSNA-320	VW-320	V-120	524A	215x19.5	2	350	26	330	74	18

\* For TSSNK, oval holes is a standard and round holes is an option

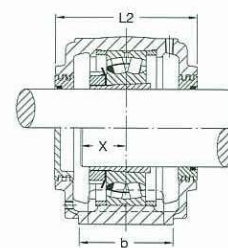
# SN-SSN 500 Series



TYPE: SN



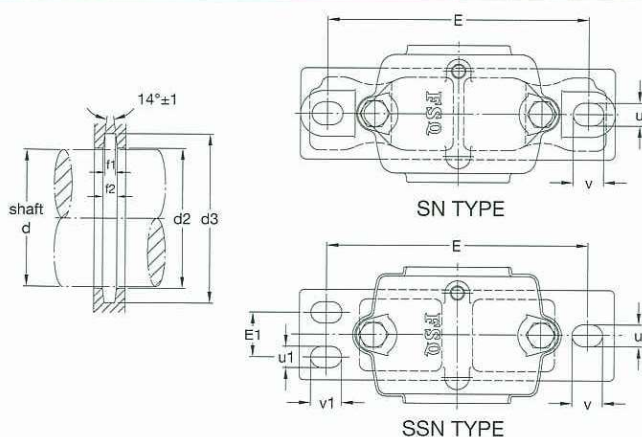
TYPE: SSN-TAC



TYPE: SSN-TS

HOUSING NO.	NOMINAL DIMENSIONS (mm)																
	SHAFT DIA. d		D H7	B	b	G	F H13	A h13	L	H	E	E1	L1	X	Z	d2(H12)	L2
	METRIC	INCH														METRIC	
SN 505	20	3/4	52	165	46	22	25	40	67	75	130	25	—	22	—	21.5	—
SN 506	25	1	62	185	52	22	30	50	77	90	150	25	—	22	—	26.5	—
SN 507	30	1 1/8	72	185	52	22	33	50	82	95	150	25	—	24	—	31.5	—
SN 508	35	1 1/4	80	205	60	25	33	60	85	110	170	30	—	26	—	36.5	—
SN SSN 509	40	1 1/2	85	205	60	25	31	60	85	112	170	30	—	28	—	41.5	90
SN SSN 510	45	1 3/4	90	205	60	25	33	60	90	115	170	30	—	28	—	46.5	95
SN SSN 511	50	2	100	255	70	28	33	70	95	130	210	35	160	30	54	51.5	100
SN SSN 512	55	2 1/8	110	255	70	30	38	70	105	135	210	35	172	32	62	56.5	110
SN SSN 513	60	2 1/4	120	275	80	30	43	80	110	150	230	40	172	36	62	62	115
SN 514	60	2 1/4	125	275	80	30	44	80	115	155	230	40	—	36	—	62	120
SN SSN 515	65	2 1/2	130	280	80	30	41	80	115	155	230	40	182	38	68	67	120
SN SSN 516	70	2 3/4	140	315	90	32	43	95	120	175	260	50	184	40	68	72	125
SN SSN 517	75	3	150	320	90	32	46	95	125	185	260	50	184	42	70	77	130
SN SSN 518	80	3 1/4	160	345	100	35	62.4	100	145	195	290	50	204	50	81	82	150
SN SSN 519	85	—	170	345	100	35	53	112	140	210	290	50	—	—	—	87	152
SN SSN 520	90	3 1/2	180	380	110	40	70.3	112	160	218	320	60	224	54	90	92	165
SN SSN 522	100	4	200	410	120	45	80	125	175	240	350	70	232	60	92	102	180
SN SSN 524	110	4 1/4	215	410	120	45	86	140	185	270	350	70	248	64	95	113	190
SN SSN 526	115	4 1/2	230	445	130	50	90	150	190	290	380	70	268	64	100	118	195
SN SSN 528	125	5	250	500	150	50	98	150	205	305	420	80	286	70	108	128	210
SN SSN 530	135	5 1/4	270	530	160	60	106	160	220	325	450	90	304	76	113	138	225
SN SSN 532	140	5 1/2	290	550	160	60	114	170	235	345	470	90	320	80	122	143	240
SN 534	150	6	310	635	170	70	120	180	240	370	525	—	—	80	—	153	—





**NOTES:**

Foot of standard housing SSN type is solid without mounting holes or can be precast as 2-bolt (with prefix T) or 4-bolt mounting holes (with prefix F).

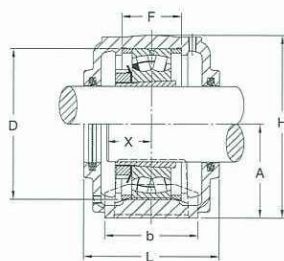
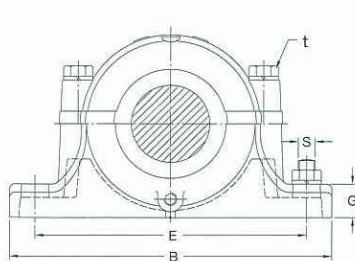
Taconite seal will be supplied as optional for perfect arrangement in severe operating conditions to prevent contamination from fine abrasive dust.

ZF rubber seals can be supplied upon request.

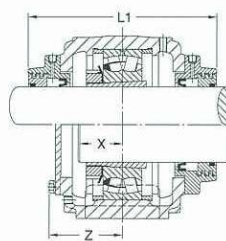
				2 Bolt		4 Bolt		S		WEIGHT (kg)		BEARING NO.		ADAPTER SLEEVE		LOCATING RING		FELT SEAL
d <sub>3</sub> H12	t	f <sub>1</sub> H13	f <sub>2</sub>	u	v	u1	v1	2 Bolt	4 Bolt	SN5	SSN5	SELF-ALIG. BALL	SPHERICAL ROLLER	METRIC	INCH	NUMBER	QTY	
31	M8	3	4.2	15	20	14	20	M12	M 8	1.5	2.3	1205K 2205K	— 22205K	H205 H305	HE205 HE305	52x5 52x7	2 1	FS505
38	M8	4	5.4	15	20	14	20	M12	M10	1.74	2.8	1206K 2206K	— 22206K	H206 H306	HE206 HE306	62x7 62x10	2 1	FS506
43	M10	4	5.4	15	20	14	20	M12	M10	1.9	3.2	1207K 2207K	— 22207K	H207 H307	HS207 HS307	72x8 72x10	2 1	FS507
48	M10	4	5.4	15	20	14	20	M12	M10	2.63	3.2	1208K 2208K	— 22208K	H208 H308	HE208 HE308	80x7.5 80x10	2 1	FS508
53	M10	4	5.4	15	20	14	20	M12	M10	2.64	3.7	1209K 2209K	— 22209K	H209 H309	HE209 HE309	85x6 85x8	2 1	FS509
58	M10	4	5.4	15	20	14	20	M12	M10	2.8	3.8	1210K 2210K	— 22210K	H210 H310	HE210 HE310	90x6.5 90x10	2 1	FS510
67	M12	5	6.9	18	23	16	23	M16	M12	4.32	6.2	1211K 2211K	— 22211K	H211 H311	HE211 HE311	100x6 100x8	2 1	FS511
72	M12	5	6.9	18	23	16	23	M16	M12	4.99	6.5	1212K 2212K	— 22212K	H212 H312	HS212 HS312	110x8 110x10	2 1	FS512
77	M12	5	6.8	18	23	16	24	M16	M12	5.64	8.3	1213K 2213K	— 22213K	H213 H313	HE213 HE313	120x10 120x12	2 1	FS513
77	M12	5	6.8	18	23	16	26	M16	M12	7.0	8.96	1214K 2214K	— 22214K	— H314	— HE314	— 125x13	— 1	FS514
82	M12	5	6.8	18	23	16	26	M16	M12	6.19	9.0	1215K 2215K	— 22215K	H215 H315	HE215 HE315	130x8 130x10	2 1	FS515
89	M16	6	8.1	22	27	19	28	M20	M16	8.17	12.1	1216K 2216K	— 22216K	H216 H316	HE216 HE316	140x8.5 140x10	2 1	FS516
94	M16	6	8.1	22	27	19	28	M20	M16	9.37	12.2	1217K 2217K	— 22217K	H217 H317	HE217 HE317	150x9 150x10	2 1	FS517
99	M16	6	8.1	22	27	20	30	M20	M16	11.5	15.2	1218K 2218K —	— 22218K 23218K	H218 H318 H2318	HE218 HE318 HE2318	160x16.2 160x11.2 160x10	2 2 1	FS518
104	M16	6	8.1	22	27	20	30	M20	M16	13.5	17.7	1219K —	— 22219K	H219 H319	— —	170x10.5 170x10	2 1	FS519
111	M20	7	9.3	26	32	23	32	M24	M16	16.3	20.5	2220K —	22220K 23220K	H320 H2320	HE320 HE2320	180x12.1 180x10	2 1	FS520
125	M20	8	10.8	26	32	23	32	M24	M16	25.1	29.2	2222K —	22222K 23222K	H322 H2322	HE322 HE2322	200x13.5 200x10	2 1	FS522
135	M20	8	10.7	26	34	23	32	M24	M16	27.2	33	— —	22224K 23224K	H3124 H2324	HE3124 HE2324	215x14 215x10	2 1	FS524
140	M24	8	10.7	28	35	24	36	M24	M20	35.2	40.9	— —	22226K 23226K	H3126 H2326	HE3126 HE2326	230x13 230x10	2 1	FS526
154	M24	9	12.2	34	44	28	42	M30	M24	43.7	48.6	— —	22228K 23228K	H3128 H2328	HE3128 HE2328	250x15 250x10	2 1	FS528
164	M24	9	12.2	34	42	28	42	M30	M24	45.3	56.2	— —	22230K 23230K	H3130 H2330	HE3130 HE2330	270x16.5 270x10	2 1	FS530
173	M24	10	13.7	32	44	28	42	M30	M24	50.75	68.5	— —	22232K 23232K	H3132 H2332	HE3132 HE2332	290x17 290x10	2 1	FS532
183	M24	10	13.7	34	44	28	42	M30	M24	73.6	—	— —	22234K 23234K	H3134 H2334	HE3134 HE2334	310x17 310x10	2 1	FS534



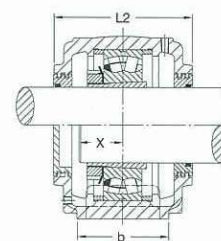
# SN-SSN 600 Series

**FSQ**


TYPE: SN



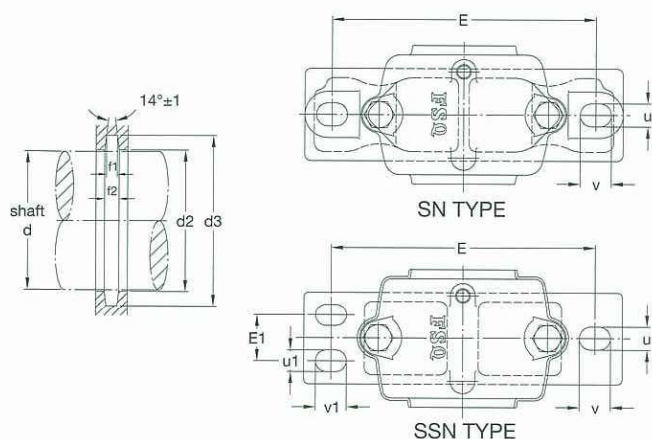
TYPE: SSN-TAC



TYPE: SSN-TS

HOUSING NO.	NOMINAL DIMENSIONS (mm)																
	SHAFT DIA . d		D H7	B	b	G	F H13	A h13	L	H	E	E1	L1	X	d2(H12) METRIC	d3 H12	L2
	METRIC	INCH															
SN 605	20	3/4	62	185	52	22	34	50	80	90	150	25	—	27	21.5	31	—
SN 606	25	1	72	185	52	22	37	50	82	95	150	25	—	27	26.5	38	—
SN 607	30	1 1/8	80	205	60	25	41	60	90	110	170	30	—	32	31.5	43	—
SN 608	35	1 1/4	90	205	60	25	43	60	95	115	170	30	—	34	36.5	48	—
SN SSN 609	40	1 1/2	100	255	70	28	46	70	105	130	210	35	—	36	41.5	53	110
SN SSN 610	45	1 3/4	110	255	70	30	50	70	115	135	210	35	—	39	46.5	58	120
SN SSN 611	50	2	120	275	80	30	53	80	120	150	230	40	185	40	51.5	67	125
SN SSN 612	55	2 1/8	130	280	80	30	56	80	125	155	230	40	185	44	56.5	72	130
SN SSN 613	60	2 1/4	140	315	90	32	58	95	130	175	260	50	200	46	62	77	135
SN SSN 614	60	2 1/4	150	320	90	32	61	95	130	185	260	50	200	46	62	77	135
SN SSN 615	65	2 1/2	160	345	100	35	65	100	140	195	290	50	210	51	67	82	145
SN SSN 616	70	2 3/4	170	345	100	35	68	112	145	212	290	50	210	52	72	89	150
SN SSN 617	75	3	180	380	110	40	70	112	155	218	320	60	220	56	77	94	160
SN SSN 618	80	3 1/4	190	400	110	33	74	112	160	230	320	60	225	58	82	99	165
SN SSN 619	85		200	420	120	36	77	125	170	245	350	70	235	60	87	104	180
SN SSN 620	90	3 1/2	215	420	120	38	83	140	175	280	350	70	240	64	92	111	180
SN SSN 622	100	4	240	460	130	40	90	150	190	300	390	70	258	69	102	125	195
SN SSN 624	110	4 1/4	260	540	160	50	96	160	205	325	450	90	280	73	113	135	210
SN SSN 626	115	4 1/2	280	560	160	50	103	170	215	350	470	90	300	77	118	140	220
SN SSN 628	125	5	300	630	170	55	112	180	235	375	520	90	320	83	128	154	240
SN SSN 630	135	5 1/4	320	680	180	55	118	190	245	395	560	90	340	88	138	164	250
SN SSN 632	140	5 1/2	340	710	190	60	124	200	255	415	580	100	350	93	143	173	260





**NOTES:**

Foot of standard housing SSN type is solid without mounting holes or can be precast as 2-bolt (with prefix T) or 4-bolt mounting holes (with prefix F).

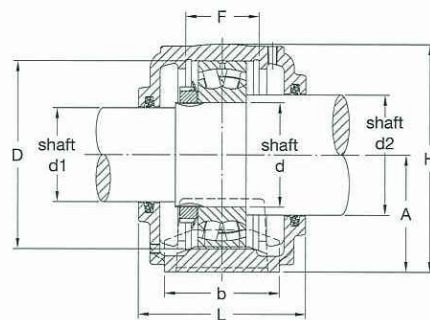
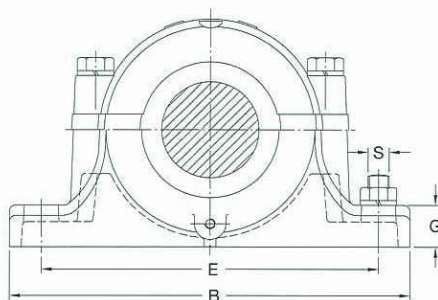
Taconite seal will be supplied as optional for perfect arrangement in severe operating conditions to prevent contamination from fine abrasive dust.

ZF rubber seals can be supplied upon request.

			2-Bolt		4-Bolt		S		WEIGHT (kg)		BEARING NO.		ADAPTER SLEEVE		LOCATING RING		FELT SEAL
t	f1 H13	f2	u	v	u1	v1	2 Bolt	4 Bolt	SN6	SSN6	SELF-ALIG. BALL	SPHERICAL ROLLER	METRIC	INCH	NUMBER	QTY	
M8	3	4.2	16	20	14	20	M12	M10	2.11	—	1305K 2305K	—	H305 H2305	HE305 HE2305	62x8.5 62x10	2 1	FS605
M10	4	5.4	16	20	14	20	M12	M10	2.09	—	1306K 2306K	—	H306 H2306	HE306 HE2306	72x9 72x10	2 1	FS606
M10	4	5.4	16	20	14	20	M12	M10	3.4	4.1	1307K 2307K	—	H307 H2307	HE307 HE2307	80x10 80x10	2 1	FS607
M10	4	5.4	15	24	14	20	M12	M10	3.6	4.7	1308K 2308K	21308K 22308K	H308 H2308	HE308 HE2308	90x10 90x10	2 1	FS608
M12	4	5.4	19	25	16	23	M16	M12	5.3	6.8	1309K 2309K	21309K 22309K	H309 H2309	HE309 HE2309	100x10.5 100x10	2 1	FS609
M12	4	5.4	18	23	16	23	M16	M12	5.5	6.8	1310K 2310K	21310K 22310K	H310 H2310	HE310 HE2310	110x11.5 110x10	2 1	FS610
M12	5	6.9	20	28	16	23	M16	M12	6.9	9.0	1311K 2311K	21311K 22311K	H311 H2311	HE311 HE2311	120x12 120x10	2 1	FS611
M12	5	6.9	20	28	16	23	M16	M12	8.8	10.5	1312K 2312K	21312K 22312K	H312 H2312	HE312 HE2312	130x12.5 130x10	2 1	FS612
M16	5	6.8	22	30	16	23	M20	M12	9.8	12.4	1313K 2313K	21313K 22313K	H313 H2313	HE313 HE2313	140x12.5 140x10	2 1	FS613
M16	5	6.8	22	30	18	23	M20	M16	11.5	14.6	1314K 2314K	2314K 2314K	H314 H2314	H314 H2314	150x13 150x10	2 1	FS614
M16	5	6.8	23	28	20	30	M20	M16	13.0	16.4	1315K 2315K	21315K 22315K	H315 H2315	HE315 HE2315	160x14 160x10	2 1	FS615
M16	6	8.1	23	30	20	30	M20	M16	15.5	19.7	1316K 2316K	21316K 22316K	H316 H2316	HE316 HE2316	170x14.5 170x10	2 1	FS616
M20	6	8.1	26	35	20	30	M24	M16	16.3	20.7	1317K 2317K	21317K 22317K	H317 H2317	HE317 HE2317	180x14.5 180x10	2 1	FS617
M20	6	8.1	27	38	20	30	M24	M16	20.0	24	1318K 2318K	— 22318K	H318 H2318	HE318 HE2318	190x15.5 190x10	2 1	FS618
M20	6	8.1	28	36	20	30	M24	M16	28.0	29.7	1319K 2319K	— 22319K	H319 H2319	HE319 HE2319	200x16 200x10	2 1	FS619
M20	7	9.3	27	33	20	30	M24	M16	30.5	37.1	1320K 2320K	— 22320K	H320 H2320	HE320 HE2320	215x18 215x10	2 1	FS620
M20	8	10.0	28	32	20	30	M24	M16	42	49.2	1322K 2322K	— 22322K	H322 H2322	HE322 HE2322	240x20 240x10	2 1	FS622
M24	8	10.7	34	42	24	36	M30	M20	59	72	—	22324K	H2324	HE2324	260x10	1	FS624
M24	8	10.7	34	42	24	36	M30	M20	61.5	80.9	—	22326K	H2326	HE2326	280x10	1	FS626
M30	9	12.2	34	46	24	36	M30	M20	88	105	—	22328K	H2328	HE2328	300x10	1	FS628
M30	9	12.2	38	44	24	36	M30	M20	89	115	—	22330K	H2330	HE2330	320x10	1	FS630
M30	10	13.7	40	52	28	42	M36	M24	127	145	—	22332K	H2332	HE2332	340x10	1	FS632



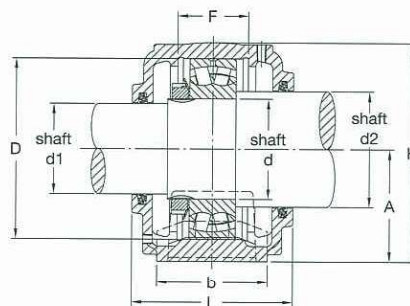
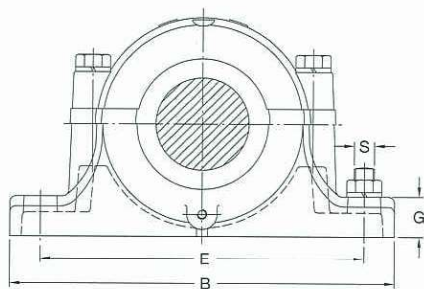
# SNZ-SSNZ 200 Series



HOUSING NO.	SHAFT DIA.			DIMENSIONS mm										BEARING NO.		LOCK NUT	LOCK WASHER	ZF SEAL		LOCATING RING		END COVER for d1
	d	d1	d2	D H7	B	b	G	F H13	A h13	L	H	E	BOLT S	SELF-ALIG. BALL	SPHERICAL ROLLER			d1	d2	NUMBER	QTY	
SNZ 205	25	20	30	52	165	46	22	25	40	67	75	130	M12	1205 2205	-	AN05	AW05	ZF5	ZF7	52x5 52x7	2 1	505NA
SNZ 206	30	25	35	62	185	52	22	30	50	77	90	150	M12	1206 2206	-	AN06	AW06	ZF6	ZF8	62x7 62x10	2 1	506NA
SNZ 207	35	30	45	72	185	52	22	33	50	82	95	150	M12	1207 2207	-	AN07	AW07	ZF7	ZF10	72x8 72x10	2 1	507NA
SNZ 208	40	35	50	80	205	60	25	33	60	85	110	170	M12	1208 2208	-	AN08	AW08	ZF8	ZF11	80x7.5 80x10	2 1	508NA
SNZ SSNZ 209	45	40	55	85	205	60	25	31	60	85	112	170	M12	1209 2209	-	AN09	AW09	ZF9	ZF12	85x6 85x8	2 1	509NA
SNZ SSNZ 210	50	45	60	90	205	60	25	33	60	90	115	170	M12	1210 2210	-	AN10	AW10	ZF10	ZF13	90x6.5 90x10	2 1	510NA
SNZ SSNZ 211	55	50	65	100	255	70	28	33	70	95	130	210	M16	1211 2211	-	AN11	AW11	ZF11	ZF15	100x6 100x8	2 1	511NA
SNZ SSNZ 212	60	55	70	110	255	70	30	38	70	105	135	210	M16	1212 2212	-	AN12	AW12	ZF12	ZF16	110x8 110x10	2 1	512NA
SNZ SSNZ 213	65	60	75	120	275	80	30	43	80	110	150	230	M16	1213 2213	-	AN13	AW13	ZF13	ZF17	120x10 120x12	2 1	513NA
SNZ SSNZ 214	70	60	80	125	275	80	30	44	80	115	155	230	M16	1214 2214	-	AN14	AW14	ZF13	ZF18	125x10 125x13	2 1	513NA
SNZ SSNZ 215	75	65	85	130	280	80	30	41	80	115	155	230	M16	1215 2215	-	AN15	AW15	ZF15	ZF19	130x8 130x10	2 1	515NA
SNZ SSNZ 216	80	70	90	140	315	90	32	43	95	120	175	260	M20	1216 2216	-	AN16	AW16	ZF16	ZF20	140x8.5 140x10	2 1	516NA
SNZ SSNZ 217	85	75	95	150	320	90	32	46	95	125	185	260	M20	1217 2217	-	AN17	AW17	ZF17	ZF21	150x9 150x10	2 1	517NA
SNZ SSNZ 218	90	80	100	160	345	100	35	62.4	100	145	195	290	M20	1218 2218	-	AN18	AW18	ZF18	ZF22	160x16.2 160x11.2 160x10	2 2 1	518NA
SNZ SSNZ 219	95	85	110	170	345	100	35	53	112	140	210	290	M20	1219 2219	-	AN19	AW19	ZF19	ZF24	170x10.5 170x10	2 1	519NA
SNZ SSNZ 220	100	90	115	180	380	110	40	70.3	112	160	218	320	M24	2220 -	22220 23220	AN20	AW20	ZF20	ZF26	180x12.1 180x10	2 1	520NA
SNZ SSNZ 222	110	100	125	200	410	120	45	80	125	175	240	350	M24	2222 -	22222 23222	AN22	AW22	ZF22	ZF28	200x13.5 200x10	2 1	522NA
SNZ SSNZ 224	120	110	135	215	410	120	45	86	140	185	270	350	M24		22224 23224	AN24	AW24	ZF24	ZF30	215x14 215x10	2 1	524NA
SNZ SSNZ 226	130	115	145	230	445	130	50	90	150	190	290	380	M24		22226 23226	AN26	AW26	ZF26	ZF33	230x13 230x10	2 1	526NA
SNZ SSNZ 228	140	125	155	250	500	150	50	98	150	205	305	420	M30		22228 23228	AN28	AW28	ZF28	ZF35	250x15 250x10	2 1	528NA
SNZ SSNZ 230	150	135	165	270	530	160	60	106	160	220	325	450	M30		22230 23230	AN30	AW30	ZF30	ZF37	270x16.5 270x10	2 1	530NA
SNZ SSNZ 232	160	140	175	290	550	160	60	114	170	235	345	470	M30		22232 23232	AN32	AW32	ZF32	ZF39	290x17 290x10	2 1	532NA

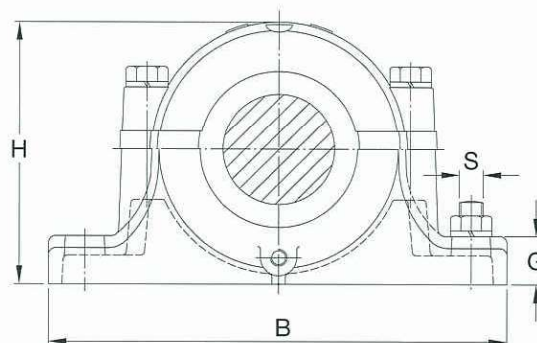
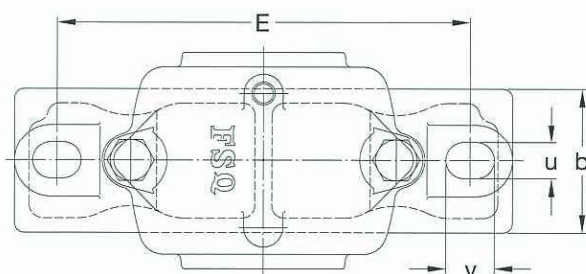
Notes: For stepped shaft bore, use SNZ 2xx/3xx.  
 For same shaft bore, use SN 2xx/3xx.





HOUSING NO.	SHAFT DIA.			DIMENSIONS mm										BEARING NO.		LOCK NUT	LOCK WASHER	ZF SEAL		LOCATING RING		END COVER for d1
	d	d1	d2	D H7	B	b	G	F H13	A h13	L	H	E	BOLT S	SELF-ALIG. BALL	SPHERICAL ROLLER			d1	d2	NUMBER	QTY	
SNZ 305	25	20	30	60	185	52	22	34	50	80	90	150	M12	1305 2305	-	AN05	AW05	ZF5	ZF7	62x8.5 62x10	2 1	505NA
SNZ 306	30	25	35	72	185	52	22	37	50	82	95	150	M12	1306 2306	-	AN06	AW06	ZF6	ZF8	72x9 72x10	2 1	506NA
SNZ 307	35	30	45	80	205	60	25	41	60	90	110	170	M12	1307 2307	-	AN07	AW07	ZF7	ZF10	80x10 80x10	2 1	507NA
SNZ 308	40	35	50	90	205	60	25	43	60	95	115	170	M12	1308 2308	21308 22308	AN08	AW08	ZF8	ZF11	90x10 90x10	2 1	508NA
SNZ SSNZ 309	45	40	55	100	255	70	28	46	70	105	130	210	M16	1309 2309	21309 22309	AN09	AW09	ZF9	ZF12	100x10.5 100x10	2 1	509NA
SNZ SSNZ 310	50	45	60	110	255	70	30	50	70	115	135	210	M16	1310 2310	21310 22310	AN10	AW10	ZF10	ZF13	110x11.5 110x10	2 1	510NA
SNZ SSNZ 311	55	50	65	120	275	80	30	53	80	120	150	230	M16	1311 2311	21311 22311	AN11	AW11	ZF11	ZF15	120x12 120x10	2 1	511NA
SNZ SSNZ 312	60	55	70	130	280	80	30	56	80	125	155	230	M16	1312 2312	21312 22312	AN12	AW12	ZF12	ZF16	130x12.5 130x10	2 1	512NA
SNZ SSNZ 313	65	60	75	140	315	90	32	58	95	130	175	260	M20	1313 2313	21313 22313	AN13	AW13	ZF13	ZF17	140x12.5 140x10	2 1	513NA
SNZ SSNZ 314	70	60	80	150	320	90	32	61	95	130	185	260	M20	1314	21314 22314	AN14	AW14	ZF13	ZF18	150x13 150x10	2 1	513NA
SNZ SSNZ 315	75	65	85	160	345	100	35	65	100	140	195	290	M20	1315 2315	21315 22315	AN15	AW15	ZF15	ZF19	160x14 160x10	2 1	515NA
SNZ SSNZ 316	80	70	90	170	345	100	35	68	112	145	212	290	M20	1316 2316	21316 22316	AN16	AW16	ZF16	ZF20	170x14.5 170x10	2 1	516NA
SNZ SSNZ 317	85	75	95	180	380	110	40	70	112	155	218	320	M24	1317 2317	21317 22317	AN17	AW17	ZF17	ZF21	180x14.5 180x10	2 1	517NA
SNZ SSNZ 318	90	80	100	190	400	110	33	74	112	160	230	320	M24	1318 2318	21318 22318	AN18	AW18	ZF18	ZF22	190x15.5 190x10	2 1	518NA
SNZ SSNZ 319	95	85	110	200	420	120	36	77	125	170	245	350	M24	1319 2319	21319 22319	AN19	AW19	ZF19	ZF24	200x16 200x10	2 1	519NA
SNZ SSNZ 320	100	90	115	215	420	120	38	83	140	175	280	350	M24	1320 2320	21320 22320	AN20	AW20	ZF20	ZF26	215x18 215x10	2 1	520NA
SNZ SSNZ 322	110	100	125	240	460	130	40	90	150	190	300	390	M24	-	21322 22322	AN22	AW22	ZF22	ZF28	240x20 240x10	2 1	522NA
SNZ SSNZ 324	120	110	135	260	540	160	50	96	160	205	325	450	M30	-	22324	AN24	AW24	ZF24	ZF30	260x10	1	524NA
SNZ SSNZ 326	130	115	150	280	560	160	50	103	170	215	350	470	M30	-	22326	AN26	AW26	ZF26	ZF34	280x10	1	526NA
SNZ SSNZ 328	140	125	160	300	630	170	55	112	180	235	375	520	M30	-	22328	AN28	AW28	ZF28	ZF36	300x10	1	528NA
SNZ SSNZ 330	150	135	170	320	680	180	55	118	190	245	395	560	M30	-	22330	AN30	AW30	ZF30	ZF38	320x10	1	530NA
SNZ SSNZ 332	160	140	180	340	710	190	60	124	200	255	415	580	M36	-	22332	AN32	AW32	ZF32	ZF40	340x10	1	532NA

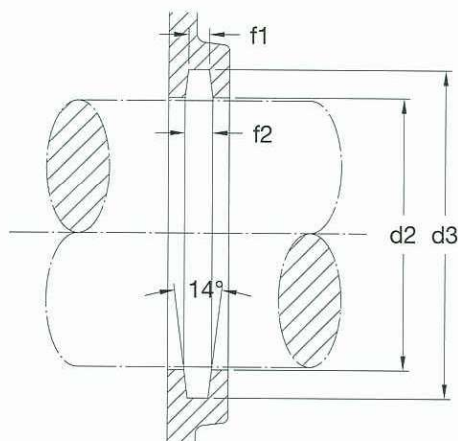
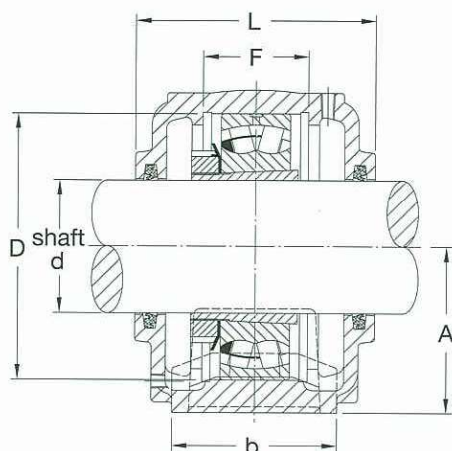
# SN 3000, SN 3100 Series



HOUSING NO.	DIMENSIONS mm														
	d	D H7	B	b	G	F H13	A h13	L	H	E	u	v	t	d2 H12	d3 H12
SN 3024	110	180	380	110	40	56	112	150	217	320	26	35	M20	113	135
SN 3026	115	200	410	120	45	62	125	160	240	350	26	35	M20	118	140
SN 3028	125	210	410	120	45	63	140	170	260	350	26	35	M20	128	154
SN 3030	135	225	445	130	50	66	150	175	283	380	28	38	M24	138	164
SN 3032	140	240	460	130	50	70	150	190	290	390	28	38	M24	143	173
SN 3034	150	260	530	160	60	77	160	200	310	450	33	42	M24	153	183
SN 3036	160	280	550	160	60	84	170	210	330	470	33	42	M24	163	193
SN 3038	170	290	550	160	60	85	170	210	335	470	33	42	M24	173	203
SN 3040	180	310	610	170	60	92	180	235	355	515	33	42	M24	183	213
SN 3044	200	340	690	190	70	100	200	255	405	580	40	52	M30	203	240

SN 3122	100	180	380	110	40	66	112	155	217	320	26	35	M20	102	125
SN 3124	110	200	410	120	45	72	125	165	240	350	26	35	M20	113	135
SN 3126	115	210	410	120	45	74	140	170	260	350	26	35	M20	118	140
SN 3128	125	225	445	130	50	78	150	180	283	380	28	38	M24	128	154
SN 3130	135	250	500	150	50	90	150	200	295	420	33	42	M24	138	164
SN 3132	140	270	530	160	60	96	160	215	315	450	33	42	M24	143	173
SN 3134	150	280	550	160	60	98	170	220	330	470	33	42	M24	153	183
SN 3136	160	300	610	170	70	106	180	230	355	520	33	42	M30	163	193
SN 3138	170	320	650	180	70	114	190	240	375	560	33	42	M30	173	203



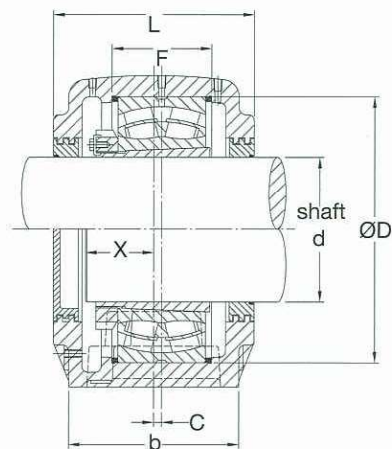
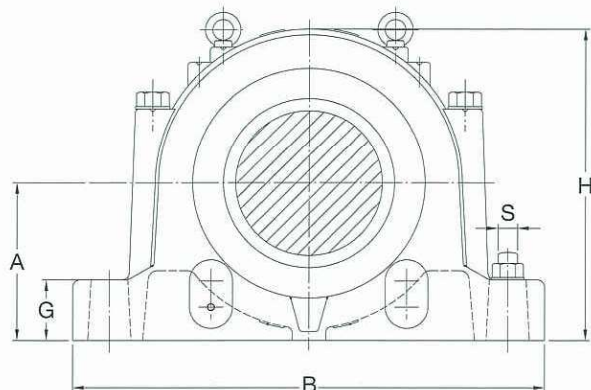


f1	f2	ZF SEAL	BOLT S	WT kg	BEARING NO.	ADAPTER SLEEVE	FELT SEAL	LOCATING RING		HOUSING NO.
								NUMBER	Q'TY	
8	10.7	ZF24	M24	17	23024K	H3024	FS524	SR180x10	1	SN3024
8	10.7	ZF26	M24	20	23026K	H3026	FS526	SR200x10	1	SN3026
9	12.2	ZF28	M24	25	23028K	H3028	FS528	SR210x10	1	SN3028
9	12.2	ZF30	M24	30	23030K	H3030	FS530	SR225x10	1	SN3030
10	13.7	ZF32	M24	36	23032K	H3032	FS532	SR240x10	1	SN3032
10	13.7	ZF34	M30	51	23034K	H3034	FS534	SR260x10	1	SN3034
10	13.7	ZF36	M30	54	23036K	H3036	FS536	SR280x10	1	SN3036
10	13.7	ZF38	M30	54	23038K	H3038	FS538	SR290x10	1	SN3038
10	13.7	ZF40	M30	61	23040K	H3040	FS540	SR310x10	1	SN3040
11	15.6	ZF44	M36	88	23044K	H3044	FS540	SR340x10	1	SN3044

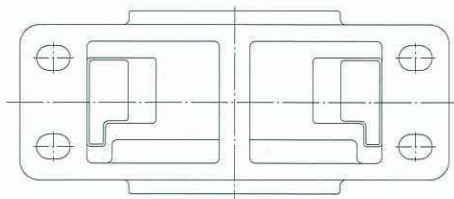
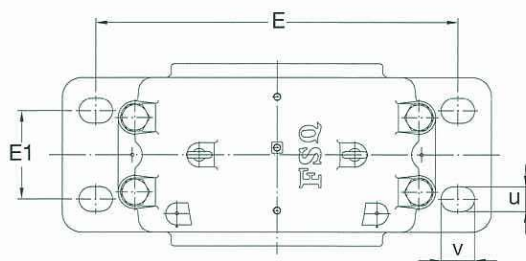
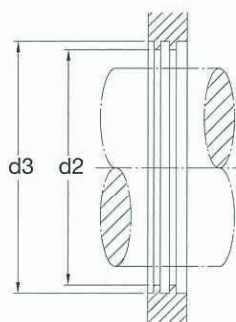
8	10.8	ZF22	M24	18	23122K	H3122	FS522	SR180x10	1	SN3122
8	10.7	ZF24	M24	21	23124K	H3124	FS524	SR200x10	1	SN3124
9	10.7	ZF26	M24	26	23126K	H3126	FS526	SR210x10	1	SN3126
9	12.2	ZF28	M24	32	23128K	H3128	FS528	SR225x10	1	SN3128
10	12.2	ZF30	M30	40	23130K	H3130	FS530	SR250x10	1	SN3130
10	13.7	ZF32	M30	50	23132K	H3132	FS532	SR270x10	1	SN3132
10	13.7	ZF34	M30	57	23134K	H3134	FS534	SR280x10	1	SN3134
10	13.7	ZF36	M30	70	23136K	H3136	FS536	SR300x10	1	SN3136
10	13.7	ZF38	M30	85	23138K	H3138	FS538	SR320x10	1	SN3138

# SD 3100 Series

**FSQ**

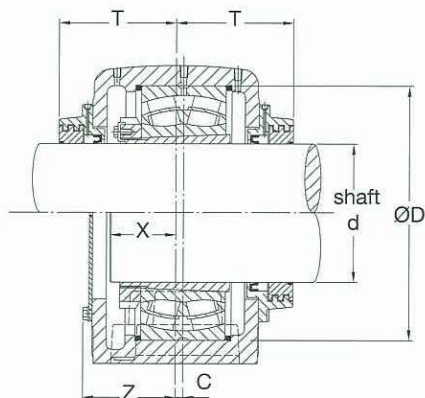


Labyrinth (TRIPLE) "TS" Seal  
Standard on SD Housings



HOUSING NO.	SHAFT DIA. d							
	METRIC	INCH	D H7	d2 H12	d3 H12	A h13	B	F H13
SD 3134	150	6	280	187	197	170	510	108
SD 3136	160	6 1/2	300	195	205	180	530	116
SD 3138	170	6 3/4	320	217	230	190	560	124
SD 3140	180	7	340	222	237	210	610	132
SD 3144	200	8	370	246	265	220	640	140
SD 3148	220	9	400	265	285	240	700	148
SD 3152	240	9 1/2	440	285	305	260	770	164
SD 3156	260	10	460	307	327	280	790	166
SD 3160	280	11	500	325	345	300	830	180
SD 3164	300		540	345	365	320	880	196
SD 3168	320		580	368	390	340	965	210
SD 3172	340		600	388	408	360	1040	212
SD 3176	360		620	408	428	380	1120	214
SD 3180	380		650	428	448	400	1245	220





TACONITE TYPE "TAC" SEAL

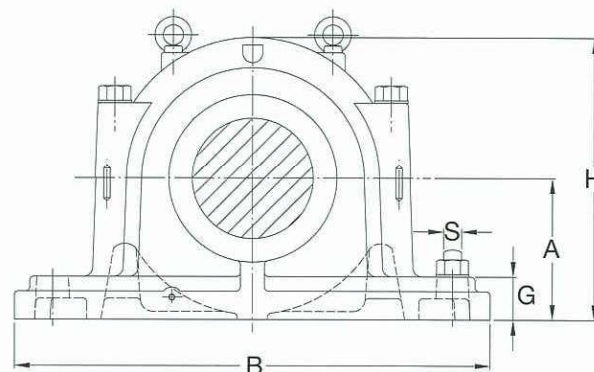
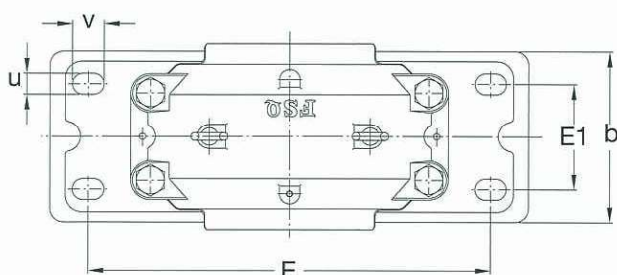
Plummer blocks of series SD 31 TS are used for large spherical roller bearings of Series 231xx CK with adapter sleeves. They are equipped with two labyrinth sealing collars having a push fit on the shaft. A rubber O-ring is fitted between the collar and shaft to ensure rotating together.

Special bosses are provided on the lower half of the housing to allow easy modification for oil lubrication. The bosses can be drilled and tapped to take an oil level gauge and drain plug. An oil circulating system can also be connected. The housings can carry very heavy loads and are designed for heavy duty applications. In severe condition, taconite seal is available to exclude fine abrasive dust and to retain lubricant.

DIMENSIONS mm												BOLT DIA.	SPHERICAL ROLLER BEARING	ADAPTER SLEEVE		WEIGHT	LOCATING RING	
E	b	G	H	L	C	E1	X	T	Z	U	V			METRIC	INCH		NUMBER	QTY.
430	180	70	335	230	14	100	76	154	120	28	35	M24	23134K	H3134	HE3134	61.5	280x10	2
450	190	75	355	240	15	110	81	159	130	30	38	M24	23136K	H3136	HE3136	72	300x10	2
480	210	80	375	260	10	120	86	168	140	35	48	M24	23138K	H3138	HE3138	84	320x10	2
510	230	85	410	280	10	130	91	178	150	35	42	M30	23140K	H3140	HE3140	113	340x10	2
540	240	90	435	290	12	140	96	184	155	36	46	M30	23144K	H3144		128	370x10	2
600	260	95	475	310	12	150	102	194	160	38	46	M30	23148K	H3148		166	400x10	2
650	280	100	515	330	13	160	112	200	170	45	60	M36	23152K	H3152		198	440x10	2
670	280	105	550	320	16	160	115	200	170	45	60	M36	23156K	H3156		232	460x10	2
710	310	110	590	350	22	190	124	213	190	45	64	M36	23160K	H3160		279	500x10	2
750	330	115	630	370	23	200	135	224	200	45	72	M36	23164K	H3164		328	540x10	2
840	380	120	670	390	25	240	155	248	220	52	70	M36	23168K	H3168		420	580x10	2
890	390	130	720	400	22	255	159	254	225	60	77	M48	23172K	H3172		584	600x10	2
980	400	135	750	405	22	255	162	256	240	68	88	M56	23176K	H3176		644	620x10	2
1050	420	140	790	425	22	270	167	267	260	75	96	M64	23180K	H3180		740	650x10	2

# SD 500, SD 600 Series

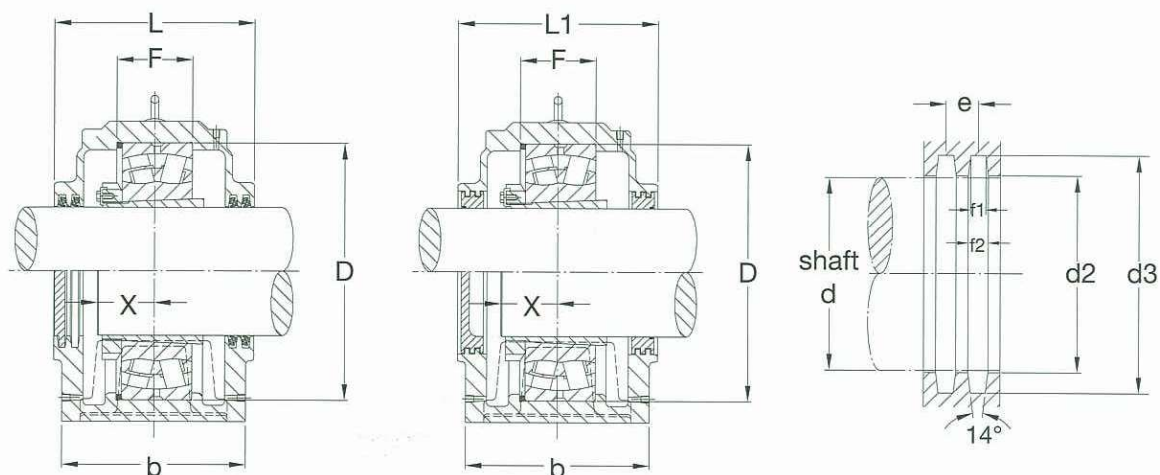
**FSQ**



HOUSING NO.	DIMENSIONS mm															
	d	D H7	A h13	B	E	b	G	F H13	H	L	L1	E1	u	v	d2 H12	d3 H12
<b>SD 534</b>	150	310	180	620	510	230	60	96	360	270	270	140	35	52	153	183
<b>SD 536</b>	160	320	190	650	540	240	60	96	380	280	280	150	35	52	163	193
<b>SD 538</b>	170	340	200	700	570	260	65	102	400	290	290	160	35	55	173	203
<b>SD 540</b>	180	360	210	740	610	270	65	108	420	300	300	170	35	55	183	213
<b>SD 544</b>	200	400	240	820	680	300	70	118	475	330	330	190	42	62	203	240
<b>SD 548</b>	220	440	260	880	740	310	85	130	515	340	340	200	42	62	223	260
<b>SD 552</b>	240	480	280	940	790	340	85	140	560	370	370	210	42	62	243	286
<b>SD 556</b>	260	500	300	990	830	370	100	140	590	390	390	230	50	70	263	306
<b>SD 560</b>	280	540	325	1060	890	390	100	150	640	410	410	250	50	70	283	332
<b>SD 564</b>	300	580	355	1110	930	420	110	160	690	440	440	270	57	77	303	352

<b>SD 634</b>	150	360	210	740	610	270	65	130	420	300	300	170	35	55	153	183
<b>SD 636</b>	160	380	225	780	640	290	70	136	450	320	320	180	40	60	163	193
<b>SD 638</b>	170	400	240	820	680	300	70	142	475	330	330	190	40	60	173	203
<b>SD 640</b>	180	420	250	860	710	320	85	148	500	350	350	200	42	62	183	213
<b>SD 644</b>	200	460	280	920	770	330	85	155	550	360	360	210	42	62	203	240
<b>SD 648</b>	220	500	300	990	830	370	100	165	590	390	390	230	50	70	223	260
<b>SD 652</b>	240	540	325	1060	890	390	100	175	640	410	410	250	50	70	243	286
<b>SD 656</b>	260	580	355	1110	930	420	110	185	690	440	440	270	57	77	263	306

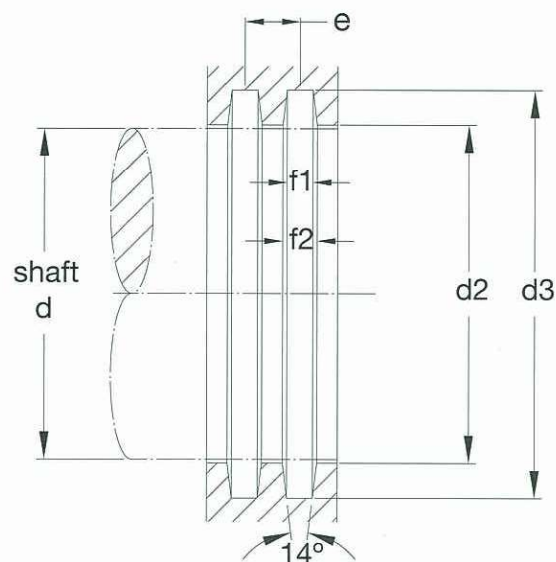
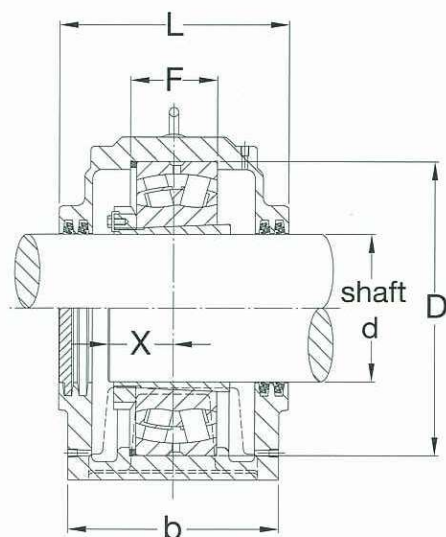




X	t	f1	f2	e	ZF SEAL	BOLT S	WT. KG	BEARING NO.	ADAPTER SLEEVE	LOCATING RING		HOUSING NO.
										NUMBER	Q'TY	
75	M24	10	13.7	20	ZF34	M30	92	22234K	H3134	SR310x10	1	<b>SD534</b>
76	M24	10	13.7	20	ZF36	M30	110	22236K	H3136	SR320x10	1	<b>SD536</b>
80	M30	10	13.7	20	ZF38	M30	125	22238K	H3138	SR340x10	1	<b>SD538</b>
84	M30	10	13.7	20	ZF40	M30	150	22240K	H3140	SR360x10	1	<b>SD540</b>
90	M30	11	15.5	22	ZF44	M36	176	22244K	H3144	SR400x10	1	<b>SD544</b>
98	M36	11	15.5	22	ZF48	M36	217	22248K	H3148	SR440x10	1	<b>SD548</b>
105	M36	12	17.3	24	ZF52	M36	273	22252K	H3152	SR480x10	1	<b>SD552</b>
107	M36	12	17.3	24	ZF56	M42	325	22256K	H3156	SR500x10	1	<b>SD556</b>
114	M36	13	19.0	25	ZF60	M42	404	22260K	H3160	SR540x10	1	<b>SD560</b>
122	M42	13	19.0	25	ZF64	M48	492	22264K	H3164	SR580x10	1	<b>SD564</b>

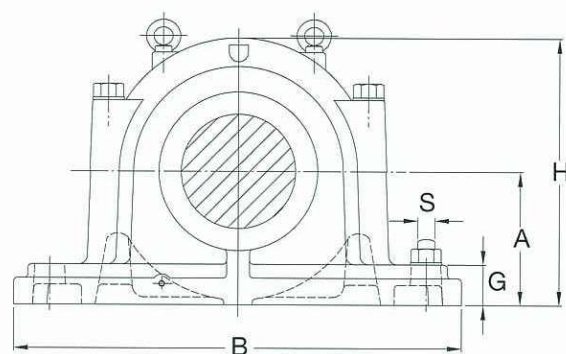
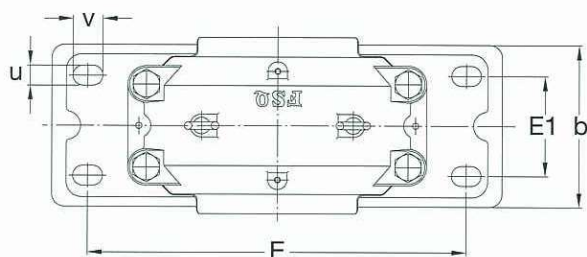
92	M30	10	13.7	20	ZF34	M30	142	22334K	H2334	SR360x10	1	<b>SD634</b>
96	M30	10	13.7	20	ZF36	M36	161	22336K	H2336	SR380x10	1	<b>SD636</b>
100	M30	10	13.7	20	ZF38	M36	177	22338K	H2338	SR400x10	1	<b>SD638</b>
104	M36	10	13.7	20	ZF40	M36	210	22340K	H2340	SR420x10	1	<b>SD640</b>
109	M36	11	15.5	22	ZF44	M36	270	22344K	H2344	SR460x10	1	<b>SD644</b>
116	M36	11	15.5	22	ZF48	M42	336	22348K	H2348	SR500x10	1	<b>SD648</b>
123	M36	12	17.3	24	ZF52	M42	418	22352K	H2352	SR540x10	1	<b>SD652</b>
130	M42	12	17.3	24	ZF56	M48	509	22356K	H2356	SR580x10	1	<b>SD656</b>

# SD 3000 Series

**FSQ**


HOUSING NO.	DIMENSIONS mm														
	d	D H7	A h13	B	E	b	G	F H13	H	L	E1	u	v	d2 H12	d3 H12
<b>SD 3034</b>	150	260	160	540	450	200	50	77	320	230	110	35	52	153	183
<b>SD 3036</b>	160	280	170	560	470	220	50	84	340	250	120	35	52	163	193
<b>SD 3038</b>	170	290	170	560	470	220	50	85	345	250	120	35	52	173	203
<b>SD 3040</b>	180	310	180	620	510	230	60	92	360	270	140	35	55	183	213
<b>SD 3044</b>	200	340	200	700	570	260	65	100	400	290	160	35	55	203	240
<b>SD 3048</b>	220	360	210	740	610	270	65	102	420	300	170	35	55	223	260
<b>SD 3052</b>	240	400	240	820	680	300	70	114	475	330	190	42	62	243	286
<b>SD 3056</b>	260	420	250	860	710	320	85	116	500	350	200	42	62	263	306
<b>SD 3060</b>	280	460	280	920	770	330	85	128	550	360	210	42	62	283	332
<b>SD 3064</b>	300	480	280	940	790	340	85	131	560	370	210	42	62	303	352
<b>SD 3068</b>	320	520	310	1020	860	370	100	143	615	400	230	50	70	323	372
<b>SD 3072</b>	340	540	325	1060	890	390	100	144	640	410	250	50	70	343	392
<b>SD 3076</b>	360	560	340	1080	900	390	100	145	665	410	260	50	70	363	412

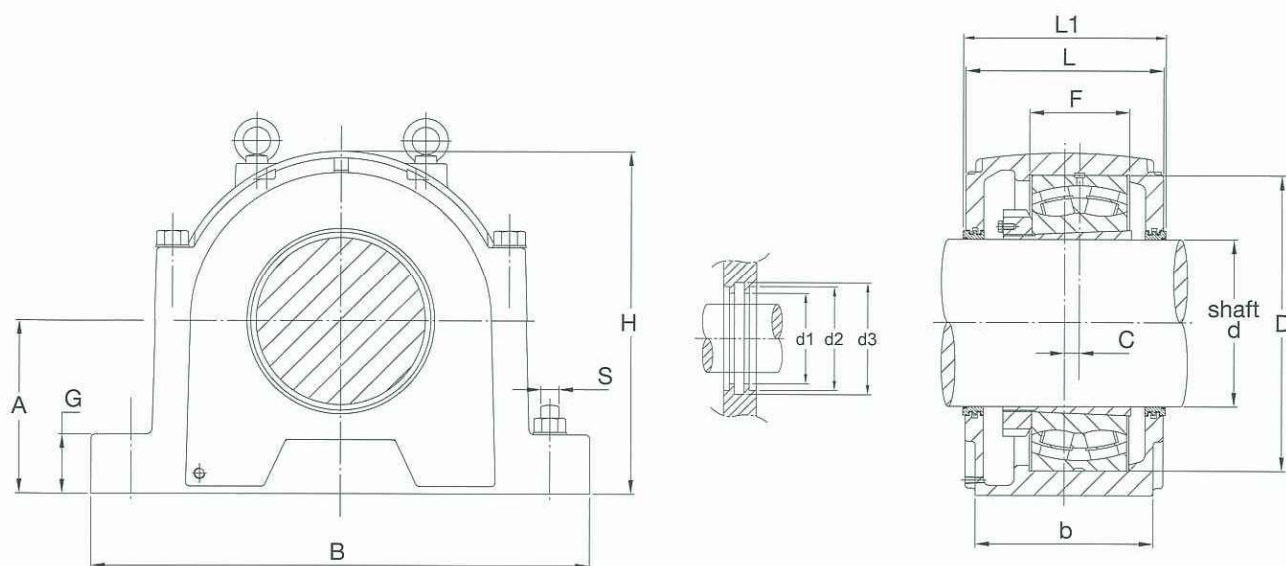




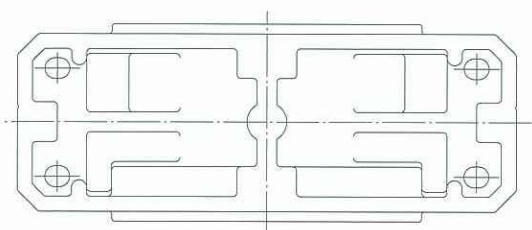
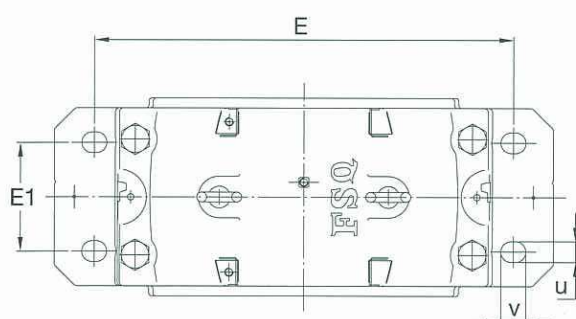
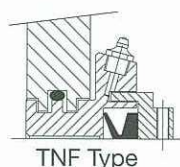
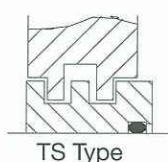
x	t	f1	f2	e	ZF SEAL	BOLT S	WT. KG	BEARING NO.	ADAPTER SLEEVE	LOCATING RING		HOUSING NO.
										NUMBER	Q'TY	
60	M24	10	13.7	20	ZF34	M30	71	23034K	H3034	SR260x10	1	SD3034
70	M24	10	13.7	20	ZF36	M30	77	23036K	H3036	SR280x10	1	SD3036
72	M24	10	13.7	20	ZF38	M30	78	23038K	H3038	SR290x10	1	SD3038
76	M24	10	13.7	20	ZF40	M30	85	23040K	H3040	SR310x10	1	SD3040
79	M30	11	15.5	22	ZF44	M30	118	23044K	H3044	SR340x10	1	SD3044
84	M30	11	15.5	22	ZF48	M30	136	23048K	H3048	SR360x10	1	SD3048
90	M30	12	17.3	24	ZF52	M36	190	23052K	H3052	SR400x10	1	SD3052
95	M36	12	17.3	24	ZF56	M36	242.2	23056K	H3056	SR420x10	1	SD3056
105	M36	13	19.0	25	ZF60	M36	295	23060K	H3060	SR460x10	1	SD3060
108	M36	13	19.0	25	ZF64	M36	291	23064K	H3064	SR480x10	1	SD3064
117	M36	13	19.0	25	ZF68	M42	386	23068K	H3068	SR520x10	1	SD3068
117	M36	13	19.0	25	ZF72	M42	434	23072K	H3072	SR540x10	1	SD3072
121	M36	13	19.0	25	ZF76	M42	453	23076K	H3076	SR560x10	1	SD3076

# SNK3100 Series

**FSQ**



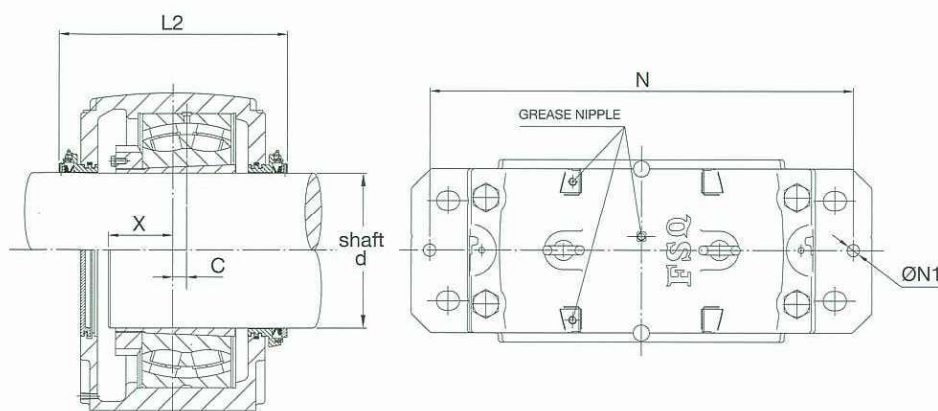
Labyrinth Seals TS design  
Standard on SNK Housings



For SNK3184 to SNK3196  
inclusive, please consult FSQ

HOUSING NO.	SHAFT DIA.							
	d	D H7	d1 H12	d2 H12	d3 H12	A H13	B	F
SNK3134	150	280	171.2	186.3	195.2	170	510	108
SNK3136	160	300	181.2	196.4	205.2	180	530	116
SNK3138	170	320	191.4	206.4	215.4	190	560	124
SNK3140	180	340	201.4	216.4	225.4	210	610	132
SNK3144	200	370	221.4	236.4	245.4	220	640	140
SNK3148	220	400	241.4	256.4	265.4	240	700	148
SNK3152	240	440	261.6	276.6	285.6	260	770	164
SNK3156	260	460	281.6	296.6	305.6	280	790	166
SNK3160	280	500	301.6	316.8	325.6	300	830	180
SNK3164	300	540	321.8	336.8	345.8	320	880	196
SNK3168	320	580	342.4	357.4	366.4	340	950	210
SNK3172	340	600	362.4	377.4	386.4	350	1000	212
SNK3176	360	620	382.4	397.4	406.4	360	1040	214
SNK3180	380	650	402.8	417.8	426.8	380	1120	220



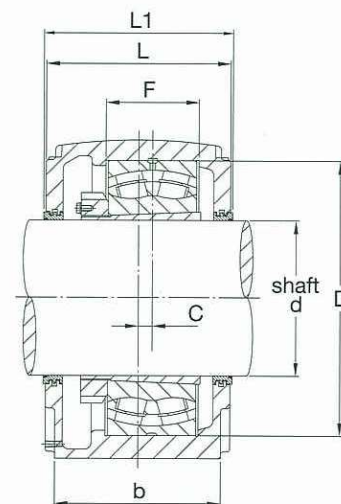
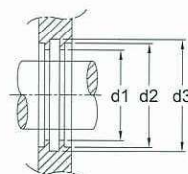
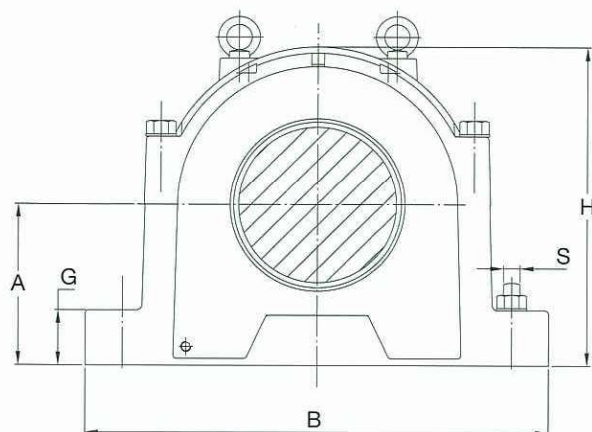


Taconite Seals TNF design  
Optional on SNK Housings

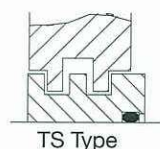
**Dowel pins (OPTIONAL)**  
SNK3100 housings are designed for loads acting vertically to the housing base support. If they are to be subjected to moderate or heavy loads acting parallel to the base support, a stop should be provided, or the housing should be pinned to its support. Recommendations for the position and size of holes to take dowel pins are given in table.

DIMENSIONS mm												OPTIONAL Dowel pins		BOLT DIA.	SPHERICAL ROLLER BEARING	ADAPTER SLEEVE	WEIGHT	LOCATING RING	
E	E1	u	v	b	G	H	L	L1	L2	C	X	N	N1	S		METRIC	kg	NUMBER	QTY
430	100	28	34	180	70	333	230	240	300	14	78	470	20	24	23134K	H3134	69.9	280x10	2
450	110	28	34	190	75	353	240	250	315	15	83	490	20	24	23136K	H3136	81.19	300x10	2
480	120	28	34	210	80	375	260	270	335	10	88	520	20	24	23138K	H3138	98	320x10	2
510	130	35	42	230	85	411	280	290	355	10	93	560	20	30	23140K	H3140	122	340x10	2
540	140	35	42	240	90	434	290	300	365	12	100	590	20	30	23144K	H3144	140	370x10	2
600	150	35	42	260	95	474	310	315	400	12	106	650	20	30	23148K	H3148	189	400x10	2
650	160	42	50	280	100	516	320	330	415	13	116	720	20	36	23152K	H3152	222.7	440x10	2
670	160	42	50	280	105	551	320	360	415	16	119	740	20	36	23156K	H3156	261.5	460x10	2
710	190	42	50	310	110	591	350	380	445	22	138	770	25	36	23160K	H3160	301	500x10	2
750	200	42	50	330	115	631	370	410	462	23	149	830	25	36	23164K	H3164	346	540x10	2
810	220	42	50	360	120	675	400	410	492	24	172	880	25	36	23168K	H3168	429.5	-	-
840	220	42	50	360	120	695	400	410	492	30	176	920	30	36	23172K	H3172	454	-	-
870	220	42	50	360	120	715	400	410	492	30	179	960	30	36	23176K	H3176	487	-	-
950	240	48	60	390	125	775	400	440	522	30	187	1020	35	42	23180K	H3180	595	-	-

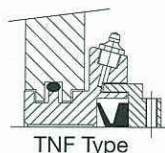
# SNK3000 Series



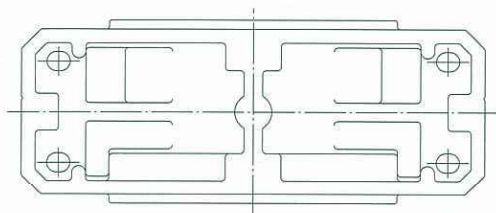
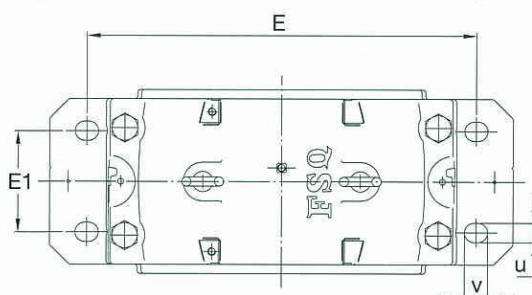
Labyrinth Seals TS design  
Standard on SNK Housings



TS Type



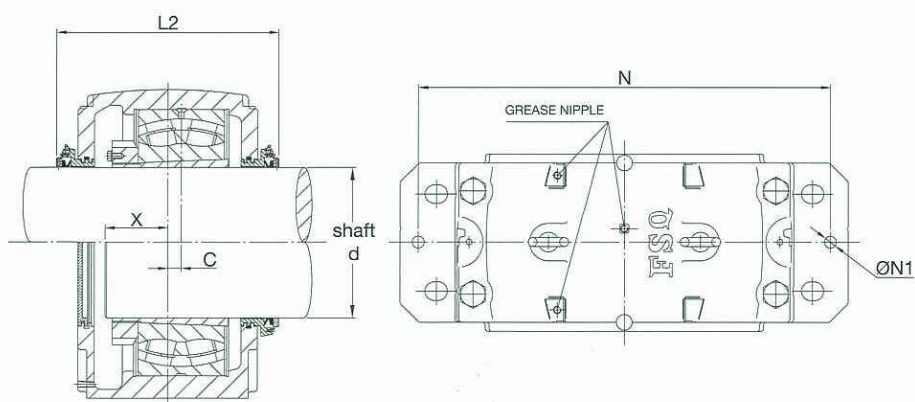
TNF Type



For SNK3088 to 30/500  
inclusive, please consult FSQ

HOUSING NO.	SHAFT DIA.							
	d	D H7	d1 H12	d2 H12	d3 H12	A H13	B	F
SNK3036	160	280	181.2	196.4	205.2	170	510	108
SNK3038	170	290	191.4	206.4	215.4	180	530	115
SNK3040	180	310	201.4	216.4	225.4	190	560	122
SNK3044	200	340	221.4	236.4	245.4	210	610	130
SNK3048	220	360	241.4	256.4	265.4	220	640	140
SNK3052	240	400	261.6	276.6	285.6	240	700	148
SNK3056	260	420	281.6	296.6	305.6	260	770	166
SNK3060	280	460	301.6	316.8	325.6	280	790	168
SNK3064	300	480	321.8	336.8	345.8	300	830	181
SNK3068	320	520	342.4	357.4	366.4	320	880	197
SNK3072	340	540	362.4	377.4	386.4	320	950	198
SNK3076	360	560	382.4	397.4	406.4	340	1000	180
SNK3080	380	600	402.8	417.8	426.8	350	1040	192
SNK3084	400	620	422.8	437.8	446.8	360	1120	194





Taconite Seals TNF design  
Optional on SNK Housings

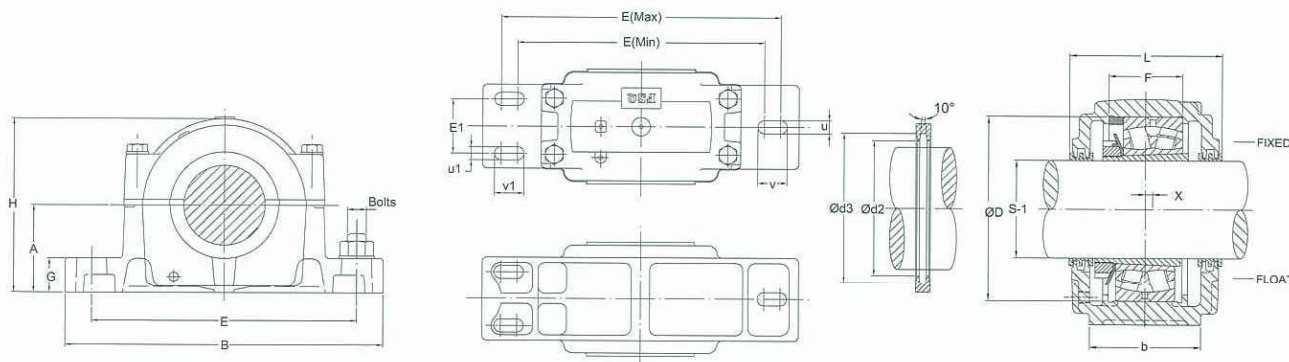
**Dowel pins (OPTIONAL)**  
SNK3000 housings are designed for loads acting vertically to the housing base support. If they are to be subjected to moderate or heavy loads acting parallel to the base support, a stop should be provided, or the housing should be pinned to its support. Recommendations for the position and size of holes to take dowel pins are given in table.

DIMENSIONS mm												OPTIONAL Dowel pins		BOLT DIA.	SPHERICAL ROLLER BEARING	ADAPTER SLEEVE	WEIGHT	LOCATING RING	
E	E1	u	v	b	G	H	L	L1	L2	C	X	N	N1	S		METRIC	kg	NUMBER	QTY
430	100	28	34	180	70	333	230	240	305	14	72	470	20	24	23036K	H3036	69.5	280x17	2
450	110	28	34	190	75	353	240	250	315	15	73	490	20	24	23038K	H3038	81	290x10	4
480	120	28	34	210	80	375	260	270	335	10	78	520	20	24	23040K	H3040	97.5	310x10	4
510	130	35	42	230	85	411	280	290	355	10	91	560	20	30	23044K	H3044	118	340x10	4
540	140	35	42	240	90	434	290	300	385	12	97	590	20	30	23048K	H3048	138	360x12	4
600	150	35	42	260	95	474	310	315	400	12	103	650	20	30	23052K	H3052	189	400x22	2
650	160	42	50	280	100	516	320	330	415	13	108	720	20	36	23056K	H3056	221	420x10	6
670	160	42	50	280	105	551	320	330	415	16	118	740	20	36	23060K	H3060	260	460x25	2
710	190	42	50	310	110	591	350	360	445	22	121	770	25	36	23064K	H3064	300	480x10	6
750	200	42	50	330	115	631	370	380	465	23	130	830	25	36	23068K	H3068	339	520x16	4
750	200	42	50	330	115	631	370	380	465	23	130	830	25	36	23172K	H3072	342	540x16	4
810	220	42	50	360	120	675	400	410	495	24	131	880	25	36	23076K	H3076	427	-	-
840	220	42	50	360	120	695	400	410	495	30	145	920	30	36	23080K	H3080	450	-	-
870	220	42	50	360	120	715	400	410	495	30	146	960	30	36	23084K	H3084	483	-	-



# SAF 225-226 Series

**FSQ**



## SERIES SAF 500-HOUSING DIMENSIONS

Housing No.  * ‡ †	A h13	B	b	G	E		E1	H	L	X	2-Bolt		4-Bolt		Bolts (No. Req'd)	Wt. in	D	F	d2(H12)	d3(H12)
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.	u	v	u1	v1	in.	lbs. *	H7 mm	mm	mm	mm
SAF 509	2-1/4	8-1/4	2-3/8	13/16	7	6-1/4		4-3/8	3-5/8	.114	16.0	25.5	-	-	(2)-1/2	9.2	85	29	41.66	52.4
SAF 510	2-1/2	8-1/4	2-3/8	15/16	7	6-1/2		4-3/4	3-5/8	.133	16.0	22.4	-	-	(2)-1/2	10.1	90	30	48	58.75
SAF 511	2-3/4	9-5/8	2-3/4	15/16	7-7/8	7-3/8		5-1/4	3-7/8	.114	19.0	25.4	-	-	(2)-5/8	12.8	100	31	54.36	65.1
SAF 513†	3	11	3-1/8	1	9-1/2	8-1/8	2	5-15/16	4-1/2	.157	19.0	36.5	16.0	33.5	(2)-5/8 (4)-1/2	19	120	39	60.96	71.7
SAF 515†	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	.118	19.0	31.8	16.0	28.7	(2)-5/8 (4)-1/2	18.3	130	37	67.82	90.98
SAF 516†	3-1/2	13	3-1/2	1-3/16	11	9-5/8	2-1/8	6-7/8	4-15/16	.187	22.2	39.7	19.0	36.5	(2)-3/4 (4)-5/8	29.7	140	43	77.34	90.5
SAF 517†	3-3/4	13	3-1/2	1-1/4	11	9-7/8	2-1/8	7-5/16	5-1/16	.187	22.2	36.5	19.0	33.3	(2)-3/4 (4)-5/8	33	150	46	83.7	96.85
SAF 518†	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	.187	22.2	38.1	19.0	34.9	(2)-3/4 (4)-5/8	39.6	160	50	91.06	110.11
SAF 520†	4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6-5/8	.187	25.4	44.5	22.2	41.2	(2)-7/8 (4)-3/4	55	180	56	94.23	113.28
SAF 522	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	.187	-	-	22.2	46.0	(4)-3/4	66	200	63	106.93	125.98
SAF 524	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	.187	-	-	22.2	38.0	(4)-3/4	74.8	215	68	113.8	132.84
SAF 526	6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8-1/16	.187	-	-	25.4	42.9	(4)-7/8	103.4	230	74	121.74	140.8
SAF 528	6	20-1/8	5-7/8	2-3/8	17-1/8	16	3-3/8	11-3/4	7-15/16	.187	-	-	28.4	42.7	(4)-1	123.2	250	78	132.84	151.9
SAF 530	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	.187	-	-	28.4	44.3	(4)-1	139.7	270	83	142.88	161.93
SAF 532	6-11/16	22	6-1/4	2-5/8	19-1/4	17-3/8	3-3/4	13-5/16	9	.187	-	-	28.4	52.3	(4)-1	157.3	290	90	146.05	171.45
SAF 534	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	.187	-	-	28.4	57.0	(4)-1	184.3	310	96	161.11	186.51
SAF 536	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	.187	-	-	28.4	63.3	(4)-1		320	96	172.21	197.6
SAF 538	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	.187	-	-	35.0	66.8	(4)-1 1/4	340	102	187.53	212.93	
SAF 540	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-5/16	.187	-	-	35.0	66.8	(4)-1 1/4	360	108	192.28	217.68	
SAF 544	9-1/2	32-3/4	8-3/4	3-3/4	27-7/8	24-3/4	5-1/4	18-5/8	12-1/4	.187	-	-	42.8	82.5	(4)-1 1/2	400	111	211.84	237.24	

## SERIES SAF-600 HOUSING DIMENSIONS

Housing No.  * ‡ †	A h13	B	b	G	E		E1	H	L	X	2-BOLT BASE		4-BOLT BASE		Bolts (No. Req'd)	Wt. in	D	F	d2(H12)	d3(H12)
	in.	in.	in.	in	Max. in.	Min. in.	in.	in.	in.	in.	u	v	u1	v1	in.	lbs. *	mm	mm	mm	mm
SAF 609	2-3/4	9-5/8	2-3/4	1	7-7/8	7-3/8	5-5/16	4-1/4		.187	19.0	25.4	-	-	(2)-5/8	12.5	100	46	41.66	52.4
SAF 610	3	10-5/8	2-3/4	1-1/8	9	7-3/4	5-13/16	4-5/8		.212	19.0	34.9	-	-	(2)-5/8	17.3	110	51	48	58.75
SAF 611†	3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	2	6-3/16	4-7/8	.187	19.0	36.5	16.0	33.5	(2)-5/8 (4)-1/2	20.8	120	53	54.36	65.1
SAF 613†	3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	.212	22.2	36.7	19.0	36.5	(2)-3/4 (4)-5/8	29.6	140	58	61.47	74.63
SAF 615†	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	.187	22.2	38.1	19.0	34.9	(2)-3/4 (4)-5/8	38.0	160	65	67.82	80.98
SAF 616†	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	.187	22.2	47.6	19.0	44.4	(2)-3/4 (4)-5/8	49.0	170	68	77.34	91.48
SAF 617†	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	.187	25.4	44.5	22.2	41.3	(2)-7/8 (4)-3/4	59.1	180	70	81.03	100.08
SAF 618	4-3/4	15-1/2	4-3/8	2	13-1/2	12	2-1/4	9-3/16	6-7/8	.187	-	-	22.2	41.3	(4)-3/4	64.7	190	74	91.06	110.1
SAF 620	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	.187	-	-	22.2	38.1	(4)-3/4	79.4	215	83	94.23	113.3
SAF 622	6	18-3/8	5-1/8	2-3/8	16	14-5/8	3	11-1/2	8	.187	-	-	25.4	42.9	(4)-7/8	110.6	240	90	106.93	126
SAF 624	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	.187	-	-	28.4	44.3	(4)-1	150.3	260	96	113.8	132.9
SAF 626	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	.187	-	-	28.4	52.3	(4)-1	169.6	280	103	121.74	140.8
SAF 628	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	.187	-	-	28.4	57.0	(4)-1	198.7	300	112	132.84	151.9
SAF 630	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	.187	-	-	28.4	63.3	(4)-1	267.3	320	118	142.88	161.9
SAF 632	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	.187	-	-	35.0	57.2	(4)-1 1/4	277.0	340	124	146.05	171.45
SAF 634	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	.187	-	-	35.0	66.8	(4)-1 1/4	315.6	360	130	161.11	186.5
SAF 636	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	.187	-	-	35.0	68.4	(4)-1 1/4	386.0	380	136	172.21	197.6
SAF 638	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	.187	-	-	42.8	77.7	(4)-1 1/2	454.2	400	142	187.53	212.9
SAF 640	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20	12-1/16	.187	-	-	42.8	84.1	(4)-1 1/2	504.6	420	148	192.28	217.7





**NOTES:**

- \* Basic housing does not include bearing and accessories. The weight is subject to change.
- § For float unit application, order 1-housing, 1-adapter, and 2-labyrinth seals.  
For fixed unit application, add 1-stabilizing ring to the above.
- † 4 - hole base is also available and must be marked with a prefix F. SAF 522 and SAF 618 and up are standard 4-hole base.

**SERIES SAF 225-PILLOW BLOCK PART NUMBERS**

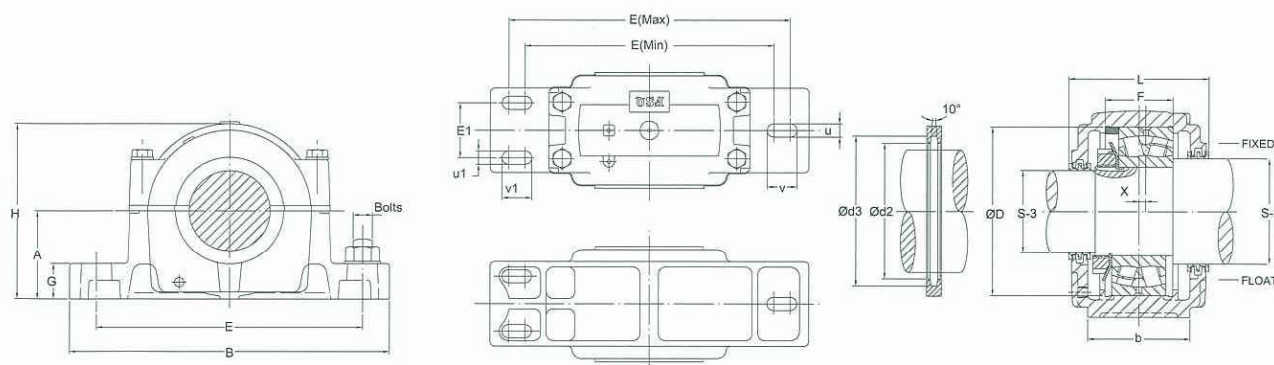
Shaft Dia. S-1 in.	Complete Pillow Block Number	Pillow Block Housing Only	Bearing Number	Adapter Sleeve	Labyrinth Seal Ring (2 Req'd)	Stabilizing Ring (1 Req'd)	End Plug (EPR)
1-7/16	SAF 22509	SAF 509	22209K	SNW 9	LER 17	SR- 9- 9	3
1-11/16	SAF 22510	SAF 510	22210K	SNW 10	LER 20	SR-10- 0	4
1-15/16	SAF 22511	SAF 511	22211K	SNW 11	LER 24	SR-11- 0	5
2-3/16	SAF 22513	SAF 513	22213K	SNW 13	LER 29	SR-13- 0	6
2-7/16	SAF 22515	SAF 515	22215K	SNW 15	LER 37	SR-15- 0	7
2-11/16	SAF 22516	SAF 516	22216K	SNW 16	LER 44	SR-16-13	8
2-15/16	SAF 22517	SAF 517	22217K	SNW 17	LER 53	SR-17-14	9
3-3/16	SAF 22518	SAF 518	22218K	SNW 18	LER 188	SR-18-15	11
3-7/16	SAF 22520	SAF 520	22220K	SNW 20	LER 102	SR-20-17	12
3-15/16	SAF 22522	SAF 522	22222K	SNW 22	LER 109	SR-22-19	13
4-3/16	SAF 22524	SAF 524	22224K	SNW 24	LER 113	SR-24-20	14
4-7/16	SAF 22526	SAF 526	22226K	SNW 26	LER 117	SR-26- 0	15
4-15/16	SAF 22528	SAF 528	22228K	SNW 28	LER 122	SR-28- 0	27
5-3/16	SAF 22530	SAF 530	22230K	SNW 30	LER 125	SR-30- 0	16
5-7/16	SAF 22532	SAF 532	22232K	SNW 32	LER 130	SR-32- 0	16
5-15/16	SAF 22534	SAF 534	22234K	SNW 34	LER 140	SR-34- 0	18
6-7/16	SAF 22536	SAF 536	22236K	SNW 36	LER 148	SR-36-30	19
6-15/16	SAF 22538	SAF 538	22238K	SNW 38	LER 155	SR-38-32	20
7-3/16	SAF 22540	SAF 540	22240K	SNW 40	LER 159	SR-40-34	21
7-15/16	SAF 22544	SAF 544	22244K	SNW 44	LER 167	SR-44-38	23

**SERIES SAF 226-PILLOW BLOCK PART NUMBER**

Shaft Dia. S-1 in.	Complete Pillow Block Number	Pillow Block Housing Only	Bearing Number	Adapter Sleeve	Labyrinth Seal Ring (2 Req'd)	Stabilizing Ring (1 Req'd)	End Plug (EPR)
1-7/16	SAF 22609	SAF 609	22309K	SNW 109	LER 17	SR-11- 9	3
1-11/16	SAF 22610	SAF 610	22310K	SNW 110	LER 20	SR- 0-10	4
1-15/16	SAF 22611	SAF 611	22311K	SNW 111	LER 24	SR-13-11	5
2-3/16	SAF 22613	SAF 613	22313K	SNW 113	LER 32	SR-16-13	6
2-7/16	SAF 22615	SAF 615	22315K	SNW 115	LER 37	SR-18-15	7
2-11/16	SAF 22616	SAF 616	22316K	SNW 116	LER 44	SR-19-16	8
2-15/16	SAF 22617	SAF 617	22317K	SNW 117	LER 184	SR-20-17	10
3-3/16	SAF 22618	SAF 618	22318K	SNW 118	LER 188	SR-21-18	11
3-7/16	SAF 22620	SAF 620	22320K	SNW 120	LER 102	SR-24-20	12
3-15/16	SAF 22622	SAF 622	22322K	SNW 122	LER 109	SR- 0-22	13
4-3/16	SAF 22624	SAF 624	22324K	SNW 124	LER 113	SR- 0-24	14
4-7/16	SAF 22626	SAF 626	22326K	SNW 126	LER 117	SR- 0-26	15
4-15/16	SAF 22628	SAF 628	22328K	SNW 128	LER 122	SR- 0-28	27
5-3/16	SAF 22630	SAF 630	22330K	SNW 130	LER 125	SR-36-30	16
5-7/16	SAF 22632	SAF 632	22332K	SNW 132	LER 130	SR-38-32	16
5-15/16	SAF 22634	SAF 634	22334K	SNW 134	LER 140	SR-40-34	18
6-7/16	SAF 22636	SAF 636	22336K	SNW 136	LER 148	SR- 0-36	19
6-15/16	SAF 22638	SAF 638	22338K	SNW 138	LER 155	SR-44-38	20
7-3/16	SAF 22640	SAF 640	22340K	SNW 140	LER 159	SR- 0-40	21



# SAF 222-223 Series



## SERIES SAF 200-HOUSING DIMENSIONS

Housing No.  * ‡ †	A h13	B	b	G	E		E1	H	L	2-BOLT BASE		4-BOLT BASE		Bolts (No. Req'd)		Wt. in	D	F
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	u	v	u1	v1	in.		lbs. *	H7 mm	mm
SAF 216†	3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	22.2	39.7	19.0	36.5	(2)-3/4	(4)-5/8	23.6	140	43
SAF 217†	3-3/4	13	3-1/2	1-1/4	11	9-7/8	2-1/8	7-3/8	5-3/8	22.2	36.5	19.0	33.3	(2)-3/4	(4)-5/8	29.5	150	46
SAF 218†	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	22.2	38.1	19.0	34.9	(2)-3/4	(4)-5/8	35.5	160	50
SAF 220†	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	25.4	44.5	22.2	41.2	(2)-7/8	(4)-3/4	52.2	180	56
SAF 222	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	-	-	22.2	46.0	(4)-3/4		66.7	200	63
SAF 224	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	-	-	22.2	38.0	(4)-3/4		70.3	215	68
SAF 226	6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8	-	-	25.4	42.9	(4)-7/8		106.2	230	74
SAF 228	6	20-1/8	5 7/8	2 3/8	17-1/8	16	3-3/8	11-3/4	7-5/8	-	-	28.4	42.7	(4)-1		116.5	250	78
SAF 230	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	-	-	28.4	44.3	(4)-1		151.1	270	83
SAF 232	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	-	-	28.4	52.3	(4)-1		174.8	290	90
SAF 234	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	-	-	28.4	57.0	(4)-1		184.7	310	96
SAF 236	7-1/2	26-3/4	7-1/8	3	23-5/8	20-7/8	4-5/8	14-7/8	10	-	-	28.4	63.3	(4)-1		218.5	320	96
SAF 238	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	-	-	35.0	66.8	(4)-1 1/4		293.3	340	102
SAF 240	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	-	-	35.0	66.8	(4)-1 1/4		352.6	360	108
SAF 244	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	-	-	42.8	82.5	(4)-1 1/2		439.3	400	118

## SERIES SAF 300-HOUSING DIMENSIONS

Housing No.  * § †	A h13	B	b	G	E		E1	H	L	2-BOLT BASE		4-BOLT BASE		Bolts (No. Req'd)	Wt. in lbs. *	D H7 mm	F mm
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	u	v	u1	v1	in.			
SAF 308	2-1/2	8-1/4	2-3/8	1	7	6-1/2		4-13/16	4	16.0	25.5	-	-	(2)-1/2	11.5	90	42.8
SAF 309	2-3/4	9-5/8	2-3/4	1	7-7/8	7-3/8		5-5/16	4-1/4	19.0	25.4	-	-	(2)-5/8	14.7	100	46
SAF 310	3	10-5/8	2-3/4	1-1/8	9	7-3/4		5-13/16	4-5/8	19.0	34.9	-	-	(2)-5/8	18.3	110	51
SAF 311†	3-1/4	11	3-1/8	1-3/16	9-1/2	8-1/8	2	6-3/16	5	19.0	36.5	16.0	33.5	(2)-5/8 (4)-1/2	20.8	120	53
SAF 313†	3-1/2	13	3-1/2	1-1/4	11	9-5/8	2-1/8	6-15/16	5-3/8	22.2	39.7	19.0	36.5	(2)-3/4 (4)-5/8	29.5	140	58
SAF 314	3-3/4	12-9/32	3-1/2	1-1/4	9-7/8	11	2-1/8	7-3/8	4-31/32	22.2	39.7	19.0	36.5	(2)-3/4 (4)-5/8	29.5	150	61
SAF 315	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	22.2	38.1	19.0	34.9	(2)-3/4 (4)-5/8	40.8	160	65
SAF 316	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	22.2	47.6	19.0	44.4	(2)-3/4 (4)-5/8	51.3	170	68
SAF 317	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	25.4	44.5	22.2	41.3	(2)-7/8 (4)-3/4	55.3	180	70
SAF 318	4-3/4	15-1/2	4-3/8	2	13-1/2	12	2-1/4	9-3/16	6-7/8	-	-	22.2	41.3	(4)-3/4	64.9	190	74
SAF 320	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	-	-	22.2	38.1	(4)-3/4	80.3	215	83
SAF 322	6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-1/2	8	-	-	25.4	42.9	(4)-7/8	99.4	240	90
SAF 324	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	-	-	28.4	44.3	(4)-1	146.4	260	96
SAF 326	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	-	-	28.4	52.3	(4)-1	181.6	280	103
SAF 328	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	-	-	28.4	57.0	(4)-1	214.0	300	112
SAF 330	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	-	-	28.4	63.3	(4)-1	256.6	320	118
SAF 332	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	-	-	35.0	57.2	(4)-1 1/4	298.3	340	124
SAF 334	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	-	-	35.0	66.8	(4)-1 1/4	355.7	360	130
SAF 336	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	-	-	35.0	68.4	(4)-1 1/4	380.3	380	136
SAF 338	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	-	-	42.8	77.7	(4)-1 1/2	449.6	400	142
SAF 340	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20	12-1/16	-	-	42.8	84.1	(4)-1 1/2	493.0	420	148

Notes: For stepped shaft bore, use SAF22xx/SAF23xx  
 For same shaft bore, use SAF2xx/SAF3xx





**NOTES:**

- \* Basic housing does not include bearing and accessories. The weight is subject to change.
- § For float unit application, order 1-housing, 2-labyrinth seals, 1-locknut and 1-lockwasher. For fixed unit application, add 1-stabilizing ring to the above.
- † 4-hole base is also available and must be marked with a prefix F. SAF 222 and SAF318 and up are standard 4-hole base.
- Δ For stepped shaft bore, end plugs are for S-3 shaft.

**SERIES SAF 222-PILLOW BLOCK PART NUMBERS**

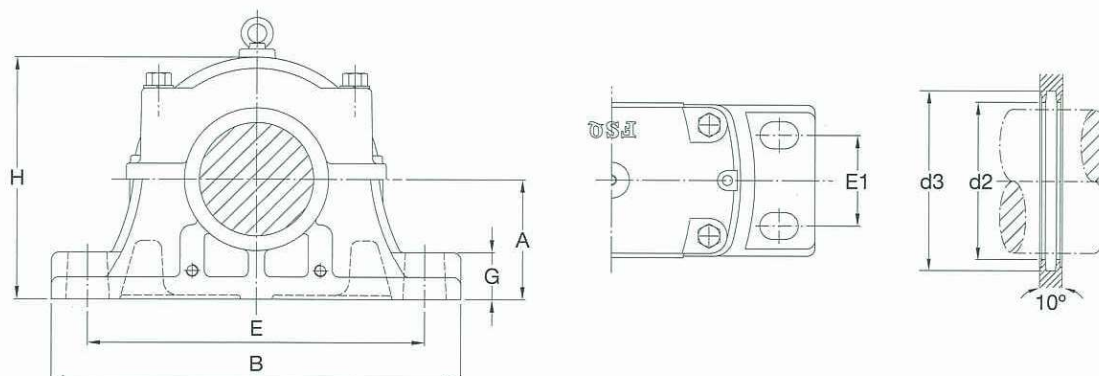
Shaft Dia.						Complete Pillow	Pillow Block	Bearing	Lock-	Lock-	Labyrinth Seal Ring		Stabilizing	End
S-2 in.	d2(H12) mm	d3(H12) mm	S-3 in.	d2(H12) mm	d3(H12) mm	Block Number	Housing Only	Number	nut	washer	S-2 Shaft (1 Req'd)	S-3 Shaft (1 Req'd)	Ring (1 Req'd)	Plug (EPR)
3-5/8	96.9	110.06	3	83.7	96.85	SAF 22216	SAF 216	22216	AN 16	W 16	LER 82	LER 54	SR-16-13	9
3-15/16	106.43	119.59	3-3/16	90.55	103.71	SAF 22217	SAF 217	22217	AN 17	W 17	LER 89	LER 63	SR-17-14	9
4-1/8	113.8	132.84	3-3/8	91.06	110.11	SAF 22218	SAF 218	22218	AN 18	W 18	LER 112	LER 191	SR-18-15	11
4-1/2	121.74	140.8	3-13/16	102.18	121.23	SAF 22220	SAF 220	22220	AN 20	W 20	LER 118	LER 106	SR-20-17	12
4-7/8	132.84	151.9	4-3/16	113.8	132.84	SAF 22222	SAF 222	22222	AN 22	W 22	LER 121	LER 113	SR-22-19	14
5-5/16	142.88	161.93	4-9/16	121.74	140.8	SAF 22224	SAF 224	22224	AN 24	W 24	LER 127	LER 119	SR-24-20	15
5-7/8	157.18	176.23	4-15/16	132.84	151.9	SAF 22226	SAF 226	22226	AN 26	W 26	LER 136	LER 122	SR-26- 0	27
6-1/4	167.46	186.51	5-5/16	142.88	161.93	SAF 22228	SAF 228	22228	AN 28	W 28	LER 144	LER 127	SR-28- 0	16
6-5/8	176.99	196.04	5-3/4	157.18	176.23	SAF 22230	SAF 230	22230	AN 30	W 30	LER 151	LER 134	SR-30- 0	17
7	187.53	212.93	6-1/16	161.11	186.51	SAF 22232	SAF 232	22232	AN 32	W 32	LER 156	LER 142	SR-32- 0	18
7-7/16	201.8	227.2	6-7/16	172.21	197.61	SAF 22234	SAF 234	22234	AN 34	W 34	LER 161	LER 148	SR-34- 0	19
7-13/16	211.84	237.24	6-7/8	187.53	212.93	SAF 22236	SAF 236	22236	AN 36	W 36	LER 165	LER 154	SR-36-30	20
8-3/8	224.54	249.94	7-1/4	192.28	217.68	SAF 22238	SAF 238	22238	AN 38	W 38	LER 171	LER 160	SR-38-32	21
8-3/4	234.06	259.46	7-5/8	201.8	227.2	SAF 22240	SAF 240	22240	AN 40	W 40	LER 175	LER 164	SR-40-34	22
9-9/16	254.71	280.11	8-5/16	224.54	249.94	SAF 22244	SAF 244	22244	N 44	W 44	LER 179	LER 170	SR-44-38	24

**SERIES SAF 223-PILLOW BLOCK PART NUMBERS**

Shaft Dia.						Complete Pillow	Pillow Block	Bearing	Lock-	Lock-	Labyrinth Seal Ring		Stabilizing	End
S-2 in.	d2(H12) mm	d3(H12) mm	S-3 in.	d2(H12) mm	d3(H12) mm	Block Number	Housing Only	Number	nut	washer	S-2 Shaft (1 Req'd)	S-3 Shaft (1 Req'd)	Ring (1 Req'd)	Plug (EPR)
1-15/16	54.36	65.1	1-7/16	41.66	52.4	SAF 22308	SAF 308	22308	N 08	W 08	LER 24	LER 17	SR-10- 8	3
2-1/8	60.96	71.7	1-11/16	48	58.75	SAF 22309	SAF 309	22309	N 09	W 09	LER 28	LER 20	SR-11- 9	4
2-3/8	64.14	74.88	1-7/8	54.36	65.1	SAF 22310	SAF 310	22310	N 10	W 10	LER 35	LER 23	SR- 0-10	4
2-9/16	70.49	81.23	2-1/16	60.96	71.7	SAF 22311	SAF 311	22311	N 11	W 11	LER 40	LER 27	SR-13-11	6
3-1/16	83.7	96.85	2-7/16	67.82	80.98	SAF 22313	SAF 313	22313	N 13	W 13	LER 55	LER 37	SR-16-13	7
3-1/4	90.55	103.71	2-5/8	77.34	90.48	SAF 22314	SAF 314	22314	AN 14	W 14	LER 64	LER 43	SR-17-14	8
3-7/16	90.55	110.06	2-13/16	77.34	90.48	SAF 22315	SAF 315	22315	AN 15	W 15	LER 79	LER 46	SR-18-15	8
3-5/8	102.18	121.23	3	81.03	100.08	SAF 22316	SAF 316	22316	AN 16	W 16	LER 84	LER 60	SR-19-16	10
3-15/16	106.93	125.98	3-3/16	91.06	110.11	SAF 22317	SAF 317	22317	AN 17	W 17	LER 109	LER 188	SR-20-17	11
4-1/8	113.8	132.84	3-3/8	91.06	110.11	SAF 22318	SAF 318	22318	AN 18	W 18	LER 112	LER 191	SR-21-18	11
4-1/2	121.74	140.8	3-13/16	102.18	121.23	SAF 22320	SAF 320	22320	AN 20	W 20	LER 118	LER 106	SR-24-20	12
4-7/8	132.84	151.89	4-3/16	113.8	132.84	SAF 22322	SAF 322	22322	AN 22	W 22	LER 121	LER 113	SR- 0-22	14
5-5/16	142.88	161.93	4-9/16	121.74	140.8	SAF 22324	SAF 324	22324	AN 24	W 24	LER 127	LER 119	SR- 0-24	15
5-7/8	157.18	176.23	4-15/16	132.84	151.9	SAF 22326	SAF 326	22326	AN 26	W 26	LER 136	LER 122	SR- 0-26	27
6-1/4	167.46	186.51	5-5/16	142.88	161.93	SAF 22328	SAF 328	22328	AN 28	W 28	LER 144	LER 127	SR- 0-28	16
6-5/8	176.99	196.04	5-3/4	157.18	176.23	SAF 22330	SAF 330	22330	AN 30	W 30	LER 151	LER 134	SR-36-30	17
7	187.53	212.93	6-1/16	161.11	186.51	SAF 22332	SAF 332	22332	AN 32	W 32	LER 156	LER 142	SR-38-32	18
7-7/16	201.8	227.2	6-7/16	172.21	197.61	SAF 22334	SAF 334	22334	AN 34	W 34	LER 161	LER 148	SR-40-34	19
7-13/16	211.84	237.24	6-7/8	187.53	212.93	SAF 22336	SAF 336	22336	AN 36	W 36	LER 165	LER 154	SR- 0-36	20
8-3/8	224.54	249.94	7-1/4	192.28	217.68	SAF 22338	SAF 338	22338	AN 38	W 38	LER 171	LER 160	SR-44-38	21
8-3/4	234.06	259.46	7-5/8	201.8	227.2	SAF 22340	SAF 340	22340	AN 40	W 40	LER 175	LER 164	SR- 0-40	22



# SDAF 225-226 Series

**FSQ**


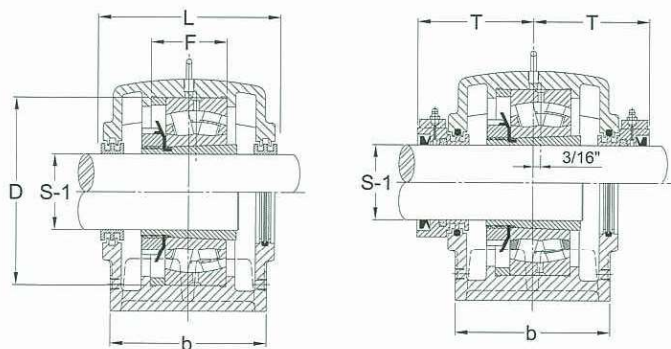
## SERIES SDAF 500-HOUSING DIMENSIONS

Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7 mm	F mm	d2(H12) mm	d3(H12) mm
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.						
SDAF 520	4-1/2	15-1/4	6	1-7/8	13-1/8	11-5/8	3-3/8	8-15/16	6-3/4	4-3/4	(4)-3/4	64.8	180	55.8	95.83	114.88
SDAF 522	4-15/16	16-1-2	6-3/4	2-1/8	14-1/2	12-5/8	4	9-7/8	7-1/4	4-7/8	(4)-7/8	96.1	200	62.8	110.11	129.16
SDAF 524	5-1/4	16-1/2	6-7/8	2-1/4	14-1/2	13-1/4	4-1/8	10-1/2	7-3/8	4-15/16	(4)-7/8	107.3	215	67.8	113.8	132.84
SDAF 526	6	18-3/8	7-1/2	2-3/8	16	14-5/8	4-12	11-7/8	8	5-1/4	(4)-1	147.2	230	73.8	121.74	140.8
SDAF 528	6	20-1/8	7-1/2	2-3/8	17-1/8	16	4-1/2	12-1/6	7-15/16	5-5/16	(4)-1 1/8	131.4	250	77.8	132.84	151.9
SDAF 530	6-5/16	21-1/4	7-7/8	2-1/2	18-1/4	17	4-3/4	12-13/16	8-3/8	5-7/16	(4)-1 1/8	157.1	270	82.8	142.88	161.93
SDAF 532	6-11/16	22	8-1/4	2-1/2	19-1/4	17-3/8	5	13-11/16	8-3/4	5-5/8	(4)-1 1/8	187.1	290	89.8	146.05	171.45
SDAF 534	7-11/16	24-3/4	9	2-1/2	21-5/8	19-3/8	5-1/2	14-1/4	9-5/8	5-15/16	(4)-1 1/4	212.3	310	95.8	161.11	186.51
SDAF 536	7-1/2	26-3/4	9-3/8	2-3/4	23-5/8	20-7/8	5-7/8	15-1/2	10	6-1/8	(4)-1 1/4	292.1	320	95.8	172.21	197.61
SDAF 538	7-7/8	27-5/8	10	3	23-1/2	21-1/2	6-1/4	16-1/4	10-5/8	6-1/2	(4)-1 3/8	338.4	340	101.8	188.29	210.91
SDAF 540	8-1/4	28-3/4	10-1/2	3-1/4	25	23	6-3/4	17-1/8	11-1/8	6-7/8	(4)-1 3/8	343.7	360	107.8	196.8	219.42
SDAF 544	9-1/2	32	11-1/4	3-1/2	27-7/8	25-5/8	7-1/4	19-1/4	11-7/8	7-1/8	(4)-1 1/2	513.0	400	117.8	216.81	239.43

## SERIES SDAF 600-HOUSING DIMENSIONS

Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7 mm	F mm	d2(H12) mm	d3(H12) mm
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.						
SDAF 616	4-1/4	14-1/4	5-1/2	1-3/4	12-5/8	10-5/8	3-1/4	8-1/4	6-3/8	4-1/2	(4)-5/8	49.3	170	67.8	77.34	90.48
SDAF 617	4-1/2	15-1/4	6	1-7/8	13-1/8	11-5/8	3-3/8	8-15/16	6-3/4	4-11/16	(4)-3/4	67.2	180	69.8	81.03	100.08
SDAF 618	5-3/4	15-1/2	6-1/8	2	13-1/2	12	3-5/8	9-7/16	6-7/8	4-13/16	(4)-3/4	72.0	190	73.8	91.06	110.11
SDAF 620	5-1/4	16-1/2	6-7/8	2-1/4	14-1/2	13-1/4	4-1/8	10-12	7-3/8	5-1/16	(4)-7/8	110.3	215	82.8	95.83	114.88
SDAF 622	6	18-3/8	7-1/2	2-3/8	16	14-5/8	4-1/2	11-7/8	8	5-1/4	(4)-1	147.1	240	89.8	110.11	129.16
SDAF 624	6-5/16	21-1/4	7-7/8	2-1/2	18-1/4	17	4-3/4	12-13/16	8-3/8	5-7/16	(4)-1 1/8	171.7	260	95.8	113.8	132.84
SDAF 626	6-11/16	22	8-1/4	2-1/2	19-1/4	17-3/8	5	13-11/16	8-3/4	5-5/8	(4)-1 1/8	193.5	280	102.8	121.74	140.8
SDAF 628	7-1/16	24-3/4	9	2-1/2	21-5/8	19-3/8	5-1/2	14-1/4	9-3/8	6	(4)-1 1/4	228.3	300	111.8	132.84	151.9
SDAF 630	7-1/2	26-3/4	9-3/8	2-3/4	23-5/8	20-7/8	5-7/8	15-3/16	9-3/4	6-1/8	(4)-1 1/4	300.2	320	117.8	142.88	161.93
SDAF 632	7-7/8	27-5/8	10	3	23-1/2	21-1/2	6-1/4	16-1/4	10-5/8	6-1/2	(4)-1 3/8	355.1	340	123.8	148.58	171.2
SDAF 634	8-1/4	28-3/4	10-1/2	3-1/4	25	23	6-3/4	17-1/8	11-1/8	6-3/4	(4)-1 3/8	393.8	360	129.8	161.3	183.92
SDAF 636	8-7/8	30-1/2	10-3/4	3-1/4	26-3/8	24-1/8	6-7/8	17-15/16	11-3/8	6-7/8	(4)-1 1/2	404.7	380	135.8	172.72	195.34
SDAF 638	9-1/2	32	11-1/4	3-1/2	27-7/8	25-5/8	7-1/4	19-1/4	11-7/8	7-1/8	(4)-1 1/2	484.4	400	141.8	188.29	210.91
SDAF 640	9-7/8	33-1/2	11-3/4	3-1/2	29-1/4	26-5/8	7-5/8	19-15/16	12-3/8	7-1/2	(4)-1 5/8	564.1	420	147.8	196.8	219.42





TACONITE SEAL OPTION

**NOTES:**

- \* Basic housing does not include bearing and accessories. The weight is subject to change.
- § For float unit application, order 1-housing, 2-labyrinth seals, 1-adapter sleeve.  
For fixed unit application, add 1-stabilizing ring to the above.
- † 4-hole base is also available and must be marked with a prefix F. SAF 222 and SAF 318 and up are standard 4-hole base.

**SERIES SDAF 225-PILLOW BLOCK PART NUMBERS**

Shaft Diameter S-1 in.	Complete Pillow Block Number	Pillow Block Housing Only	Bearing Number	Adapter Sleeve	Lab. Seal Ring (2 Required)	Stabilizing Ring (1 required)	End Plug (EPR)
3-7/16	SDAF 22520	SDAF 520	22220 K	SNW 20	LER 75	SR-20-17	11
3-15/16	SDAF 22522	SDAF 522	22222 K	SNW 22	LER 93	SR-22-19	13
4-3/16	SDAF 22524	SDAF 524	22224 K	SNW 24	LER 113	SR-24-20	14
4-7/16	SDAF 22526	SDAF 526	22226 K	SNW 26	LER 117	SR-26- 0	15
4-15/16	SDAF 22528	SDAF 528	22228 K	SNW 28	LER 122	SR-28- 0	27
5-3/16	SDAF 22530	SDAF 530	22230 K	SNW 30	LER 125	SR-30- 0	16
5-7/16	SDAF 22532	SDAF 532	22232 K	SNW 32	LER 130	SR-32- 0	16
5-15/16	SDAF 22534	SDAF 534	22234 K	SNW 34	LER 140	SR-34- 0	18
6-7/16	SDAF 22536	SDAF 536	22236 K	SNW 36	LER 148	SR-36-30	19
6-15/16	SDAF 22538	SDAF 538	22238 K	SNW 38	LER 224	SR-38-32	21
7-3/16	SDAF 22540	SDAF 540	22240 K	SNW 40	LER 228	SR-40-34	22
7-15/16	SDAF 22544	SDAF 544	22244 K	SNW 44	LER 236	SR-44-38	24

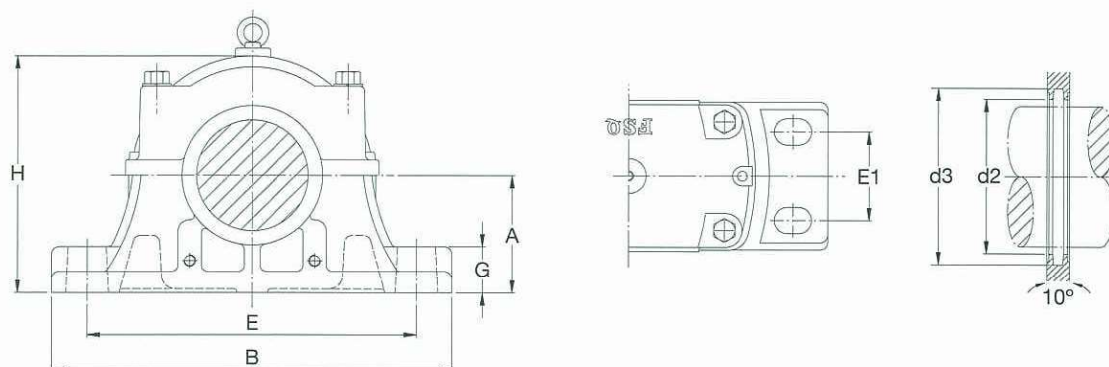
**SERIES SDAF 226-PILLOW BLOCK PART NUMBERS**

Shaft Diameter S-1 in.	Complete Pillow Block Number	Pillow Block Housing Only	Bearing Number	Adapter sleeve	Lab. Seal Ring (2 Required)	Stabilizing Ring (1 required)	End Plug (EPR)
2-11/16	SDAF 22616	SDAF 616	22316 K	SNW 116	LER 44	SR-19-16	8
2-15/16	SDAF 22617	SDAF 617	22317 K	SNW 117	LER 59	SR-20-17	10
3-3/16	SDAF 22618	SDAF 618	22318 K	SNW 118	LER 69	SR-21-18	11
3-7/16	SDAF 22620	SDAF 620	22320 K	SNW 120	LER 75	SR-24-20	11
3-15/16	SDAF 22622	SDAF 622	22322 K	SNW 122	LER 93	SR- 0-22	13
4-3/16	SDAF 22624	SDAF 624	22324 K	SNW 124	LER 113	SR- 0-24	14
4-7/16	SDAF 22626	SDAF 626	22326 K	SNW 126	LER 117	SR- 0-26	15
4-15/16	SDAF 22628	SDAF 628	22328 K	SNW 128	LER 122	SR- 0-28	27
5-3/16	SDAF 22630	SDAF 630	22330 K	SNW 130	LER 125	SR-36-30	16
5-7/16	SDAF 22632	SDAF 632	22332 K	SNW 132	LER 211	SR-38-32	17
5-15/16	SDAF 22634	SDAF 634	22334 K	SNW 134	LER 215	SR-40-34	19
6-7/16	SDAF 22636	SDAF 636	22336 K	SNW 136	LER 220	SR- 0-36	26
6-15/16	SDAF 22638	SDAF 638	22338 K	SNW 138	LER 224	SR-44-38	21
7-3/16	SDAF 22640	SDAF 640	22340 K	SNW 140	LER 228	SR- 0-40	22



# SDAF 222-223 Series

FSQ



## SERIES SDAF 200-HOUSING DIMENSIONS

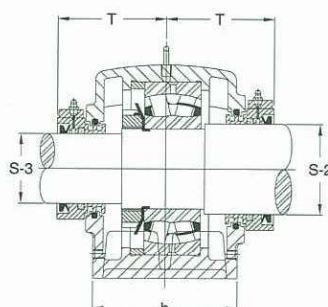
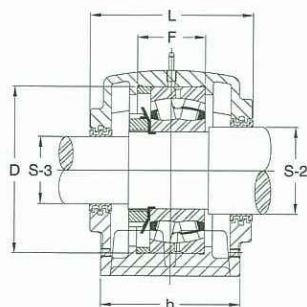
Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7 mm	F mm
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.	in.			
SDAF 220	4-1/2	15-1/4	6	1-7/8	13-1/8	11-5/8	3-3/8	8-15/16	6-3/4	4-11/16	(4)-3/4	64.8	180	55.8
SDAF 222	4-15/16	16-1-2	6-3/4	2-1/8	14-1/2	12-5/8	4	9-7/8	7-1/4	4-7/8	(4)-7/8	100.0	200	62.8
SDAF 224	5-1/4	16-1/2	6-7/8	2-1/4	14-1/2	13-1/4	4-1/8	10-1/2	7-3/8	4-15/16	(4)-7/8	106.7	215	67.8
SDAF 226	6	18-3/8	7-1/2	2-3/8	16	14-5/8	4-12	11-7/8	8	5-1/4	(4)-1	147.2	230	73.8
SDAF 228	6	20-1/8	7-1/2	2-3/8	17-1/8	16	4-1/2	12-1/6	7-15/16	5-5/16	(4)-1 1/8	141.7	250	77.8
SDAF 230	6-5/16	21-1/4	7-7/8	2-1/2	18-1/4	17	4-3/4	12-13/16	8-3/8	5-7/16	(4)-1 1/8	157.1	270	82.8
SDAF 232	6-11/16	22	8-1/4	2-1/2	19-1/4	17-3/8	5	13-11/16	8-3/4	5-5/8	(4)-1 1/8	187.1	290	89.8
SDAF 234	7-11/16	24-3/4	9	2-1/2	21-5/8	19-3/8	5-1/2	14-1/4	9-5/8	6-1/16	(4)-1 1/4	212.3	310	95.8
SDAF 236	7-1/2	26-3/4	9-3/8	2-3/4	23-5/8	20-7/8	5-7/8	15-3/16	10	6-1/8	(4)-1 1/4	275.5	320	95.8
SDAF 238	7-7/8	27-5/8	10	3	23-1/2	21-1/2	6-1/4	16-1/4	10-5/8	7-1/4	(4)-1 3/8	338.4	340	101.8
SDAF 240	8-1/4	28-3/4	10-1/2	3-1/4	25	23	6-3/4	17-1/8	11-1/8	7-1/2	(4)-1 3/8	343.7	360	107.8
SDAF 244	9-1/2	32	11-1/4	3-1/2	27-7/8	25-5/8	7-1/4	19-1/4	11-7/8	7-7/8	(4)-1 1/2	520.2	400	117.8

## SERIES SDAF 300-HOUSING DIMENSIONS

Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7 mm	F mm
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.	in.			
SDAF316	4-1/4	14-1/4	5-1/2	1-3/4	12-5/8	10-5/8	3-1/4	8-1/4	6-3/8	4-1/2	(4)-5/8	53.4	170	67.8
SDAF317	4-1/2	15-1/4	6	1-7/8	13-1/8	11-5/8	3-3/8	8-15/16	6-3/4	4-3/4	(4)-3/4	67.2	180	69.8
SDAF318	5-3/4	15-1/2	6-1/8	2	13-1/2	12	3-5/8	9-7/16	6-7/8	4-13/16	(4)-3/4	72.0	190	73.8
SDAF320	5-1/4	16-1/2	6-7/8	2-1/4	14-1/2	13-1/4	4-1/8	10-12	7-3/8	5	(4)-7/8	105.8	215	82.8
SDAF322	6	18-3/8	7-1/2	2-3/8	16	14-5/8	4-1/2	11-7/8	8	5-1/4	(4)-1	148.8	240	89.8
SDAF324	6-5/16	21-1/4	7-7/8	2-1/2	18-1/4	17	4-3/4	12-13/16	8-3/8	5-7/16	(4)-1 1/8	171.9	260	95.8
SDAF326	6-11/16	22	8-1/4	2-1/2	19-1/4	17-3/8	5	13-11/16	8-3/4	5-5/8	(4)-1 1/8	195.1	280	102.8
SDAF328	7-1/16	24-3/4	9	2-1/2	21-5/8	19-3/8	5-1/2	14-1/4	9-3/8	5-15/16	(4)-1 1/4	228.3	300	111.8
SDAF330	7-1/2	26-3/4	9-3/8	2-3/4	23-5/8	20-7/8	5-7/8	15-3/16	9-3/4	6-1/8	(4)-1 1/4	302.0	320	117.8
SDAF332	7-7/8	27-5/8	10	3	23-1/2	21-1/2	6-1/4	16-1/4	10-5/8	6-1/2	(4)-1 3/8	355.1	340	123.8
SDAF334	8-1/4	28-3/4	10-1/2	3-1/4	25	23	6-3/4	17-1/8	11-1/8	6-7/8	(4)-1 3/8	379.8	360	129.8
SDAF336	8-7/8	30-1/2	10-3/4	3-1/4	26-3/8	24-1/8	6-7/8	17-15/16	11-3/8	6-7/8	(4)-1 1/2	404.7	380	135.8
SDAF338	9-1/2	32	11-1/4	3-1/2	27-7/8	25-5/8	7-1/4	19-1/4	11-7/8	7-7/8	(4)-1 1/2	522.0	400	141.8
SDAF340	9-7/8	33-1/2	11-3/4	3-1/2	29-1/4	26-5/8	7-5/8	19-15/16	12-3/8	8-1/8	(4)-1 5/8	564.1	420	147.8

Notes: For stepped shaft bore, use SDAFZ2XX & SDAFZ3XX  
For stepped shaft bore, use SDAF2XX & SDAF3XX





TACONITE SEAL OPTION

**NOTES:**

- ★ Basic housing does not include bearing and accessories. The weight is subject to change.
- § For float unit application, order 1-housing, 1-locknut, 1-lockwasher and 2-labyrinth seals. For fixed unit application, add 1-stabilizing ring to the above.
- † All end plugs are for S-3 shaft.

**SERIES SDAF222-PILLOW BLOCK PART NUMBERS**

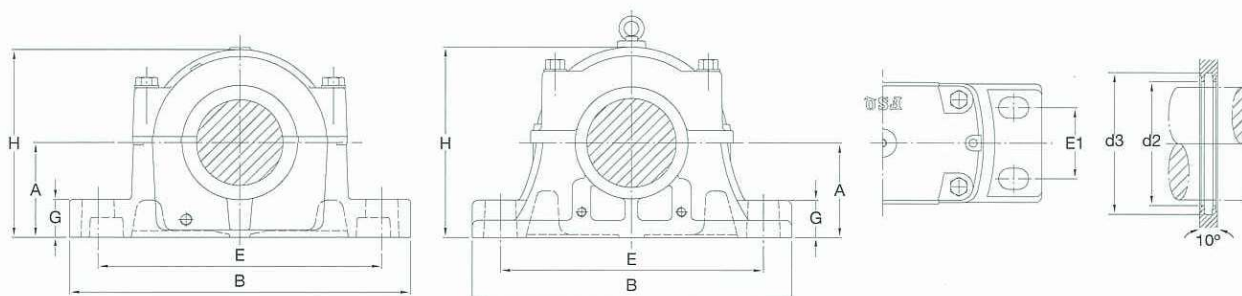
Shaft Dia.						Complete Pillow	Pillow Block	Bearing	Lock	Lock-	Lab. Seal Ring		Stabilizing	End
S-2 in.	d2(H12) mm	d3(H12) mm	S-3 in.	d2(H12) mm	d3(H12) mm	Block Number	Housing only	Number	nut	washer	S-2 Shaft (1 required)	S-3 Shaft (1 required)	Ring (1 required)	Plug (EPR)†
4 1/2	132.84	151.88	3 13/16	102.18	121.23	SDAF 22220	<b>SDAF 220</b>	22220	AN 20	W 20	LER 205	LER 87	SR-20-17	12
4 7/8	132.84	151.88	4 3/16	113.8	132.84	SDAF 22222	<b>SDAF 222</b>	22222	AN 22	W 22	LER 121	LER 113	SR-22-19	14
5 5/16	142.88	161.93	4 9/16	121.74	140.8	SDAF 22224	<b>SDAF 224</b>	22224	AN 24	W 24	LER 127	LER 119	SR-24-20	15
5 7/8	157.18	176.23	4 15/16	132.84	151.9	SDAF 22226	<b>SDAF 226</b>	22226	AN 26	W 26	LER 136	LER 122	SR-26- 0	27
6 1/4	167.46	186.51	5 5/16	142.88	161.93	SDAF 22228	<b>SDAF 228</b>	22228	AN 28	W 28	LER 144	LER 127	SR-28- 0	16
6 5/8	176.99	196.04	5 3/4	157.18	176.23	SDAF 22230	<b>SDAF 230</b>	22230	AN 30	W 30	LER 151	LER 134	SR-30- 0	17
7	187.53	212.93	6 1/16	161.11	186.51	SDAF 22232	<b>SDAF 232</b>	22232	AN 32	W 32	LER 156	LER 142	SR-32- 0	18
7 7/16	201.8	222.7	6 7/16	172.21	197.61	SDAF 22234	<b>SDAF 234</b>	22234	AN 34	W 34	LER 161	LER 148	SR-34- 0	19
7 13/16	211.84	237.24	6 7/8	187.53	212.92	SDAF 22236	<b>SDAF 236</b>	22236	AN 36	W 36	LER 165	LER 154	SR-36-30	20
8 3/8	228.6	251.22	7 1/4	196.8	219.42	SDAF 22238	<b>SDAF 238</b>	22238	AN 38	W 38	LER 240	LER 229	SR-38-32	22
8 3/4	238.12	260.74	7 5/8	209.1	231.72	SDAF 22240	<b>SDAF 240</b>	22240	AN 40	W 40	LER 244	LER 233	SR-40-34	23
9 9/16	258.76	281.28	8 5/16	228.6	251.22	SDAF 22244	<b>SDAF 244</b>	22244	N 44	W 44	LER 248	LER 239	SR-44-38	25

**SERIES SDAF223-PILLOW BLOCK PART NUMBERS**

Shaft Dia.						Complete Pillow	Pillow Block	Bearing	Lock	Lock-	Lab. Seal Ring		Stabilizing	End
S-2 in.	d2(H12) mm	d3(H12) mm	S-3 in.	d2(H12) mm	d3(H12) mm	Block Number	Housing only	Number	nut	washer	S-2 Shaft (1 required)	S-3 Shaft (1 required)	Ring (1 required)	Plug (EPR)†
3 5/8	102.18	121.23	3	81.03	100.08	SDAF 22316	<b>SDAF 316</b>	22316	AN 16	W 16	LER 84	LER 60	SR-19-16	10
3 15/16	110.11	129.16	3 3/16	91.06	110.11	SDAF 22317	<b>SDAF 317</b>	22317	AN 17	W 17	LER 93	LER 69	SR-20-17	11
4 1/8	113.8	132.84	3 3/8	91.06	110.11	SDAF 22318	<b>SDAF 318</b>	22318	AN 18	W 18	LER 96	LER 72	SR-21-18	11
4 1/2	121.74	140.78	3 13/16	102.18	121.23	SDAF 22320	<b>SDAF 320</b>	22320	AN 20	W 20	LER 205	LER 87	SR-24-20	12
4 7/8	132.84	151.9	4 3/16	113.8	132.84	SDAF 22322	<b>SDAF 322</b>	22322	AN 22	W 22	LER 121	LER 113	SR- 0-22	14
5 5/16	142.88	161.93	4 9/16	121.74	140.8	SDAF 22324	<b>SDAF 324</b>	22324	AN 24	W 24	LER 127	LER 119	SR- 0-24	15
5 7/8	157.18	176.23	4 15/16	132.84	151.9	SDAF 22326	<b>SDAF 326</b>	22326	AN 26	W 26	LER 136	LER 122	SR- 0-26	27
6 1/4	167.46	186.51	5 5/16	142.88	161.93	SDAF 22328	<b>SDAF 328</b>	22328	AN 28	W 28	LER 144	LER 127	SR- 0-28	16
6 5/8	176.99	196.03	5 3/4	157.18	176.23	SDAF 22330	<b>SDAF 330</b>	22330	AN 30	W 30	LER 151	LER 134	SR-36-30	17
7	188.29	210.91	6 1/16	161.3	183.92	SDAF 22332	<b>SDAF 332</b>	22332	AN 32	W 32	LER 225	LER 217	SR-38-32	19
7 7/16	209.1	231.72	6 7/16	172.72	195.34	SDAF 22334	<b>SDAF 334</b>	22334	AN 34	W 34	LER 230	LER 220	SR-40-34	260
7 13/16	216.81	239.43	6 7/8	188.29	210.91	SDAF 22336	<b>SDAF 336</b>	22336	AN 36	W 36	LER 234	LER 223	SR- 0-36	21
8 3/8	228.6	251.22	7 1/4	196.8	219.42	SDAF 22338	<b>SDAF 338</b>	22338	AN 38	W 38	LER 240	LER 229	SR-44-38	22
8 3/4	238.12	260.74	7 5/8	209.1	231.72	SDAF 22340	<b>SDAF 340</b>	22340	AN 40	W 40	LER 244	LER 233	SR- 0-40	23



# SAF-SDAF 230K Series

**FSQ**


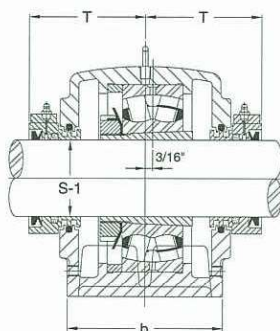
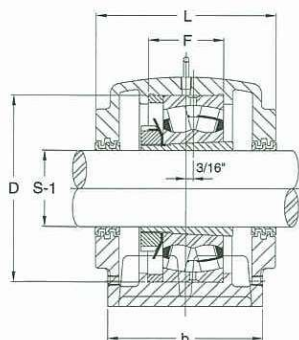
## SERIES SAF 000 K - HOUSING DIMENSIONS

Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7	F	d2 (H12)	d3 (h12)
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.	in.		mm	mm	mm	mm
SAF 024 K/4-3/16	4-1/2	15-1/4	4-3/8	1-3/4	13-1/8	11-5/8	2-3/8	8-3/4	6	4-7/16	(4)-3/4	47.5	180	65.6	113.8	132.84
SAF 026 K/4-7/16	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	4-19/32	(4)-3/4	56.0	200	71.6	121.74	140.8
SAF 028 K/4-15/16	5-1/4	16-1/2	4-3/4	2-1/8	14-1/2	13-1/4	2-3/4	10-1/4	7-3/8	5-1/32	(4)-3/4	68.7	210	72.6	132.84	151.9
SAF 030 K/5-3/16	6	18-3/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-9/16	8	5-11/32	(4)-7/8	106.9	225	75.6	142.88	161.93
SAF 032 K/5-7/16	6	20-1/8	5-1/8	2-3/8	16	14-5/8	3-1/4	11-9/16	8	5-13/32	(4)-7/8	125.4	240	79.6	146.05	171.45
SAF 034 K/5-15/16	6	21-1/4	5-7/8	2-3/8	17-1/8	16	3-3/8	11-3/4	7-5/8	5-5/32	(4)-1	119.9	260	86.6	161.12	186.52
SAF 036 K/6-7/16	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	5-23/32	(4)-1	171.6	280	93.6	172.2	197.6
SAF 038 K/6-15/16	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	5-23/32	(4)-1	167.3	290	94.6	187.54	212.94
SAF 040 K/7-3/16	7-1/16	24-3/4	6-3/4	2-3/4	21-5/8	19-3/8	4-1/4	14-3/8	9-5/8	6-7/32	(4)-1	192.9	310	101.6	192.28	217.68
SAF 044 K/7-15/16	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	6-23/32	(4)-1 1/4	304.4	340	109.6	211.84	237.24
SAF 048 K/8-7/16	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	7-11/16	(4)-1 1/4	270	360	111.6	258.71	284.11
SAF 048 K/8-1/2	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	7-11/16	(4)-1 1/4	270	360	111.6	258.71	284.11
SAF 048 K/8-15/16	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	7-11/16	(4)-1 1/4	270	360	111.6	258.71	284.11
SAF 048 K/9	8-1/4	29-1/2	8	3-3/8	25	22-1/2	5	16-1/2	11-1/4	7-11/16	(4)-1 1/4	270	400	111.6	258.71	284.11
SAF 052 K/9-7/16	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	8-1/16	(4)-1 1/2	450.4	400	123.6	254.7	280.1
SAF 052 K/9-1/2	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	8-1/16	(4)-1 1/2	450.4	420	123.6	254.7	280.1
SAF 056 K/9-15/16	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	8-1/8	(4)-1 1/2	507	420	125.6	280.7	306.1
SAF 056 K/10	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	8-1/8	(4)-1 1/2	507	420	125.6	280.7	306.1
SAF 056 K/10-7/16	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	8-1/8	(4)-1 1/2	507	420	125.6	280.7	306.1
SAF 056 K/10-1/2	9-7/8	34-1/4	9	4	29-1/2	26-1/4	5-1/2	20-3/16	12-1/4	8-1/8	(4)-1 1/2	507	420	125.6	280.7	306.1

## SERIES SDAF 000 K - HOUSING DIMENSIONS

Housing No. * § †	A h13	B	b	G	E		E1	H	L	T	Bolts (No. Req'd)	Wt. in lbs. *	D H7	F	d2 (H12)	d3 (h12)
	in.	in.	in.	in.	Max. in.	Min. in.	in.	in.	in.	in.	in.		mm	mm	mm	mm
SDAF 060K/10-15/16	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	14-1/2	9-3/16	(4)-1 5/8	876.9	460	127.8	291.92	325.35
SDAF 060K/11	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	14-1/2	9-3/16	(4)-1 5/8	876.9	460	127.8	291.92	325.35
SDAF 064K/11-7/16	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	15-1/2	9-11/16	(4)-1 5/8	880.0	460	130.8	319.02	352.45
SDAF 064K/11-1/2	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	15-1/2	9-11/16	(4)-1 5/8	880.0	480	130.8	319.02	325.45
SDAF 064K/11-15/16	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	15-1/2	9-11/16	(4)-1 7/8	880.0	480	130.8	319.02	325.45
SDAF 064K/12	12	38-1/4	14-3/4	3-3/8	33-1/2	32-3/4	9	23-7/16	15-1/2	9-11/16	(4)-1 5/8	880.0	480	130.8	319.02	325.45
SDAF 068K/12-7/16	12	39	15-3/4	4-3/16	33-1/2	32	10	24	15-3/4	9-13/16	(4)-1 7/8	1100	520	142.8	357.63	394.69
SDAF 068K/12-1/2	12	39	15-3/4	4-3/16	33-1/2	32	10	24	15-3/4	9-13/16	(4)-1 7/8	1100	520	142.8	357.63	394.69
SDAF 072K/12-15/16	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1172	540	143.8	357.63	394.69
SDAF 072K/13	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1172	540	143.8	357.63	394.69
SDAF 072K/13-7/16	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1172	540	143.8	357.63	394.69
SDAF 072K/13-1/2	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1172	540	143.8	357.63	394.69
SDAF 076K/13-15/16	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1148	560	144.8	373.88	414.52
SDAF 076K/14	12-13/16	41-3/4	15-3/4	4-1/2	36-1/2	35	10-1/2	25-3/4	16-1/4	10	(4)-1 7/8	1148	560	144.8	373.88	414.52





TACONITE SEAL OPTION

**NOTES:**

- \* Basic housing does not include bearing and accessories. The weight is subject to change.
- § For float unit application, order 1-housing, 2-labyrinth seals, 1-adapter sleeve.  
For fixed unit application, add 1-stabilizing ring to the above.
- † Other shaft size are also available.

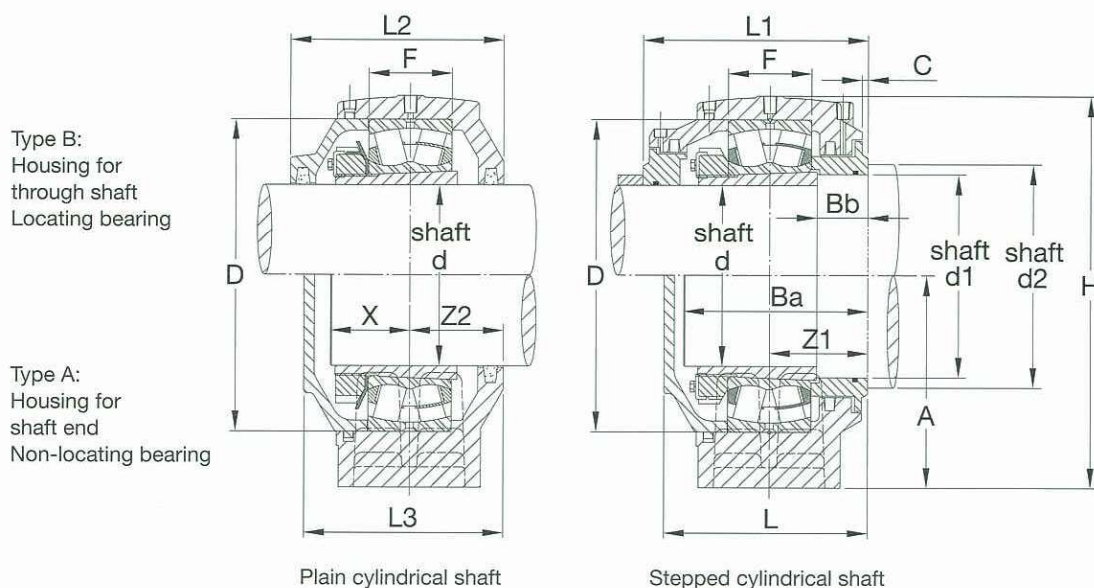
**SERIES SAF 230K-PILLOW BLOCK PART NUMBERS**

Shaft Dia. S-1 in.	Complete Pillow Block Number	Pillow block Housing Only	Bearing Number	Adapter Sleeve	Labyrinth Seal Ring (2 Req'd)	Stabilizing Ring (2 Req'd)	End Plug (EPR)
4-3/16	SAF 23024 K/4-3/16	SAF 024 K/4-3/16	23024 K	SNW 3024/4-3/16	LER 113	SR-20-17	14
4-7/16	SAF 23026 K/4-7/16	SAF 026 K/4-7/16	23026 K	SNW 3026/4-7/16	LER 117	SR-22-19	15
4-15/16	SAF 23028 K/4-15/16	SAF 028 K/4-15/16	23028 K	SNW 3028/4-15/16	LER 122	SR- 0-20	27
5-3/16	SAF 23030 K/5-3/16	SAF 030 K/5-3/16	23030 K	SNW 3030/5-3/16	LER 125	SR- 0-21	16
5-7/16	SAF 23032 K/5-7/16	SAF 032 K/5-7/16	23032 K	SNW 3032/5-7/16	LER 130	SR- 0-22	16
5-15/16	SAF 23034 K/5-15/16	SAF 034 K/5-15/16	23034 K	SNW 3034/5-15/16	LER 140	SR- 0-24	18
6-7/16	SAF 23036 K/6-7/16	SAF 036 K/6-7/16	23036 K	SNW 3036/6-7/16	LER 148	SR- 0-26	19
6-15/16	SAF 23038 K/6-15/16	SAF 038 K/6-15/16	23038 K	SNW 3038/6-15/16	LER 155	SR-32- 0	20
7-3/16	SAF 23040 K/7-3/16	SAF 040 K/7-3/16	23040 K	SNW 3040/7-3/16	LER 159	SR-34- 0	21
7-15/16	SAF 23044 K/7-15/16	SAF 044 K/7-15/16	23044 K	SNW 3044/7-15/16	LER 167	SR-38-32	23
8-7/16	SAF 23048 K/8-7/16	SAF 048 K/8-7/16	23048 K	SNP 3048/8-7/16	LER 550	A 8897	
8-1/2	SAF 23048 K/8-1/2	SAF 048 K/8-1/2	23048 K	SNP 3048/8-1/2	LER 551	A 8897	
8-15/16	SAF 23048 K/8-15/16	SAF 048 K/8-15/16	23048 K	SNP 3048	LER 552	A 8897	
9	SAF 23048 K/9	SAF 048 K/9	23048 K	SNP 3048/9	LER 513	A 8897	
9-7/16	SAF 23052 K/9-7/16	SAF 052 K/9-7/16	23052 K	SNP 3052	LER 553	A 8898	
9-1/2	SAF 23052 K/9-1/2	SAF 052 K/9-1/2	23052 K	SNP 3052/9-1/2	LER 178	A 8898	
9-15/16	SAF 23056 K/9-15/16	SAF 056 K/9-15/16	23056 K	SNP 3056/9-15/16	ER 751	A 8819	
10	SAF 23056 K/10	SAF 056 K/10	23056 K	SNP 3056/10	ER 705	A 8819	
10-7/16	SAF 23056 K/10-7/16	SAF 056 K/10-7/16	23056 K	SNP 3056	ER 745	A 8819	
10-1/2	SAF 23056 K/10-1/2	SAF 056 K/10-1/2	23056 K	SNP 3056/10-1/2	ER 710	A 8819	

**SERIES SDAF 230K-PILLOW BLOCK PART NUMBER**

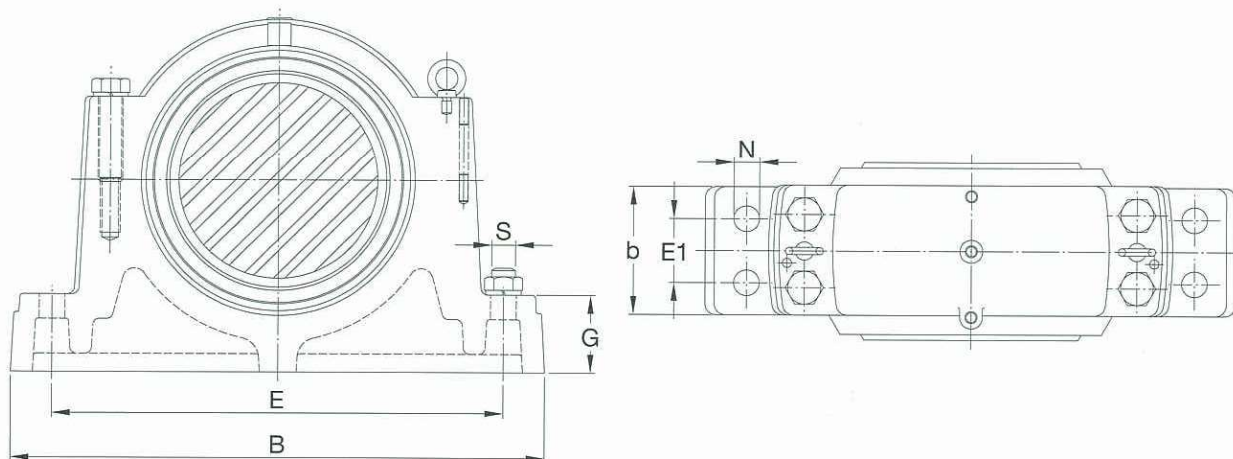
Shaft Dia. S-1 in.	Complete Pillow Block Number	Pillow block Housing Only	Bearing Number	Adapter Sleeve	Labyrinth Seal Ring (2 Req'd)	Stabilizing Ring (1 Req'd)
10-15/16	SDAF 23060 K/10-15/16	SDAF 060 K/10-15/16	23060 K	SNP 3060	ER 858	A 8967
11	SDAF 23060 K/11	SDAF 060 K/11	23060 K	SNP 3060/11	ER 825	A 8967
11-7/16	SDAF 23064 K/11-7/16	SDAF 064 K/11-7/16	23064 K	SNP 3064/11-7/16	ER 861	A 8968
11-1/2	SDAF 23064 K/11-1/2	SDAF 064 K/11-1/2	23064 K	SNP 3064/11-1/2	ER 832	A 8968
11-15/16	SDAF 23064 K/11-15/16	SDAF 064 K/11-15/16	23064 K	SNP 3064	ER 859	A 8968
12	SDAF 23064 K/12	SDAF 064 K/12	23064 K	SNP 3064/12	ER 818	A 8968
12-7/16	SDAF 23068 K/12-7/16	SDAF 068 K/12-7/16	23068 K	SNP 3068	ER 865	A 8969
12-1/2	SDAF 23068 K/12-1/2	SDAF 068 K/12-1/2	23068 K	SNP 3068/12-1/2	ER 866	A 8969
12-15/16	SDAF 23072 K/12-15/16	SDAF 072 K/12-15/16	23072 K	SNP 3072/12-15/16	ER 869	A 8970
13	SDAF 23072 K/13	SDAF 072 K/13	23072 K	SNP 3072/13	ER 846	A 8970
13-7/16	SDAF 23072 K/13-7/16	SDAF 072 K/13-7/16	23072 K	SNP 3072	ER 872	A 8970
13-1/2	SDAF 23072 K/13-1/2	SDAF 072 K/13-1/2	23072 K	SNP 3072/13-1/2	ER 823	A 8970
13-15/16	SDAF 23076 K/13-15/16	SDAF 076 K/13-15/16	23076 K	SNP 3076	ER 875	A 8971
14	SDAF 23076 K/14	SDAF 076 K/14	23076 K	SNP 3076/14	ER 876	A 8971



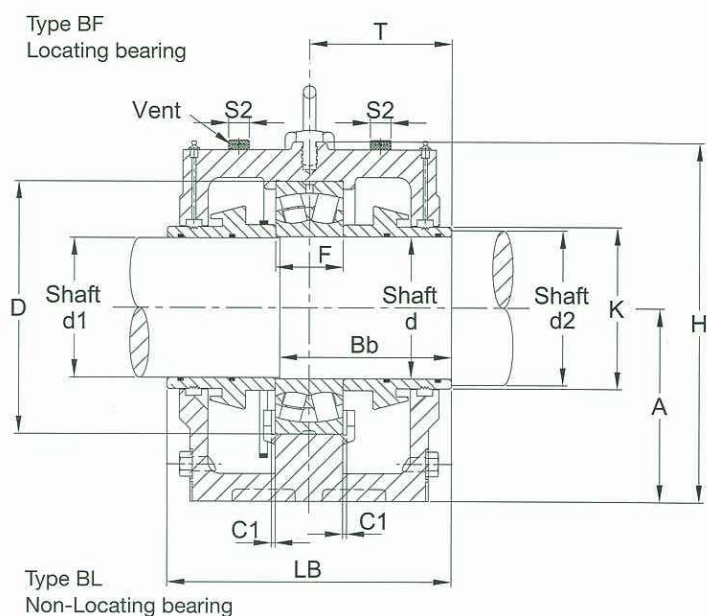
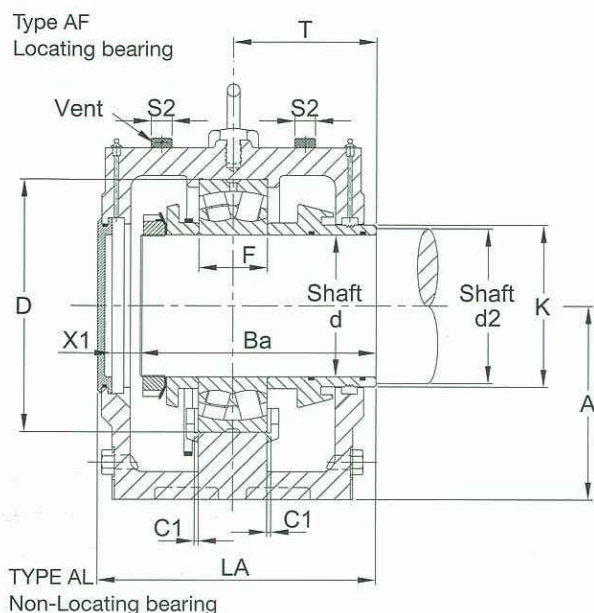


HOUSING NO	SHAFT DIA.			DIMENSIONS mm													
	d	d1	d2 min	D	B	b	G	F	A	L	L1	L2	L3	H	E	E1	Z1
SDGC 2328	125	142	150	300	590	165	85	102	210	222	258	237	219	385	500	90	110
SDGC 2330	135	152	160	320	600	180	90	108	225	237	272	251	234	410	510	100	117
SDGC 2332	140	162	175	340	690	195	95	114	240	253	288	266	250	440	580	105	125
SDGC 2234	150	172	185	310	580	140	85	86	210	197	232	212	194	387	490	70	97
SDGC 3234		172	180	310	590	165	85	110	210	222	258	237	219	385	500	90	110
SDGC 2334	160	172	185	360	720	210	105	120	260	270	315	285	265	475	610	120	135
SDGC 3136		182	190	300	590	165	85	96	210	222	258	237	219	385	500	90	110
SDGC 2236		182	195	320	600	150	90	86	230	207	242	221	204	424	520	80	102
SDGC 3236		182	190	320	600	180	90	112	225	237	272	251	234	410	510	100	117
SDGC 2336	170	182	195	380	720	210	105	126	260	270	315	285	265	475	610	120	135
SDGC 3138		192	200	320	600	180	90	104	225	237	272	251	234	410	510	100	117
SDGC 2238		192	205	340	600	150	90	92	230	207	242	221	204	424	520	80	102
SDGC 3238		192	205	340	690	195	95	120	240	253	288	266	250	440	580	105	125
SDGC 2338	180	192	205	400	770	225	115	132	280	298	336	311	293	515	655	130	146
SDGC 3040		202	215	310	580	140	85	82	210	197	232	212	194	387	490	70	97
SDGC 3140		202	215	340	690	195	95	112	240	253	288	266	250	440	580	105	126
SDGC 2240		202	215	360	670	160	95	98	240	220	265	235	215	445	560	80	110
SDGC 3240	200	202	215	360	720	210	105	128	260	270	315	285	265	475	610	120	135
SDGC 2340		202	215	420	860	250	125	138	310	328	366	343	323	565	730	140	158
SDGC 3044		222	235	340	600	150	90	90	230	207	242	221	204	424	520	80	102
SDGC 3144		222	235	370	720	210	105	120	260	270	315	285	265	475	610	120	135
SDGC 2244	220	222	235	400	710	160	110	108	270	233	270	246	228	500	620	80	113
SDGC 3244		222	235	400	770	225	115	144	280	298	336	311	293	515	655	130	146
SDGC 2344		222	235	460	880	250	130	145	320	330	370	343	323	585	750	145	160
SDGC 3048		242	255	360	670	160	95	92	240	220	265	235	215	445	560	80	110
SDGC 3148	220	242	255	400	770	225	115	128	280	298	336	311	293	515	655	130	146
SDGC 2248		242	255	440	825	190	120	120	310	270	310	283	263	570	710	100	130
SDGC 3248		242	255	440	860	250	125	160	310	328	366	343	323	565	730	140	158
SDGC 2348		242	255	500	940	280	140	155	350	360	405	376	353	640	800	165	175



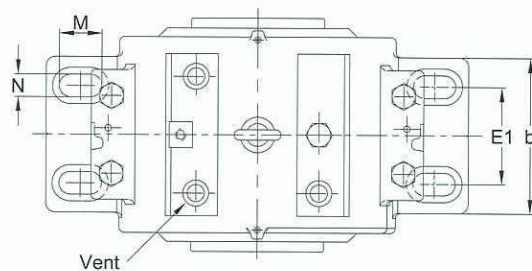
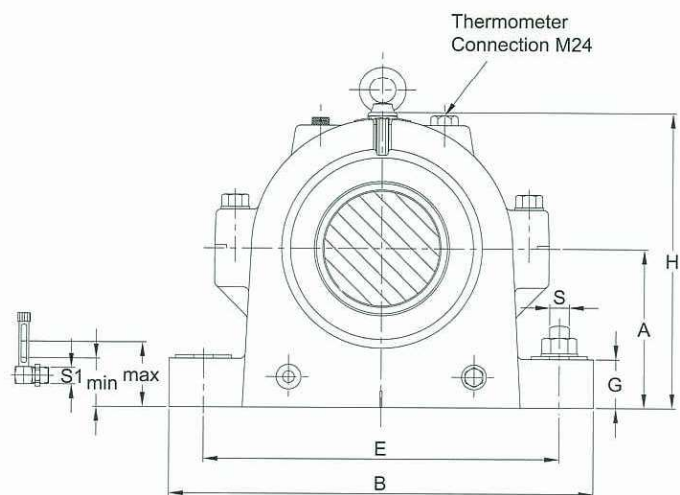


Z2	C	N	S		Ba	Bb	X	Housing design(kg)		Appropriate bearing	Adapter Sleeve Designation	Grease quantity Initial fill	HOUSING NO.
			mm	in				A	B				
107	6	35	30	1-1/4	188	78	78	92	100	22328 CCK/W33	H 2328	1.8	SDGC 2328
114	6	35	30	1-1/4	200	44	83	110	120	22330 CCK/W33	H 2330	2.3	SDGC 2330
122	6	42	36	1-1/2	213	48	88	140	150	22332 CCK/W33	H 2332	2.9	SDGC 2332
94	6	28	24	1	172	38	75	72	80	22234 CCK/W33	H 3134	1.4	SDGC 2234
107	6	35	30	1-1/4	198	38	88	85	90	23234 CCK/W33	H 2334	1.5	SDGC 3234
130	8	42	36	1-1/2	228	52	93	180	195	22334 CCK/W33	H 2334	3.2	SDGC 2334
107	6	35	30	1-1/4	192	44	82	90	94	23136 CCK/W33	H 3136	1.3	SDGC 3136
99	6	28	24	1	179	40	77	98	110	22236 CCK/W33	H 3136	1.7	SDGC 2236
114	6	35	30	1-1/4	207	42	90	110	115	23236 CCK/W33	H 2336	1.9	SDGC 3236
130	8	42	36	1-1/2	232	50	97	165	180	22336 CCK/W33	H 2336	3.5	SDGC 2336
114	6	35	30	1-1/4	204	46	87	110	115	23138 CCK/W33	H 3138	1.7	SDGC 3138
99	6	28	24	1	183	40	81	86	100	22238 CCK/W33	H 3138	1.8	SDGC 2238
122	6	42	36	1-1/2	220	45	95	140	145	23238 CCK/W33	H 2338	2.4	SDGC 3238
141	8	42	36	1-1/2	247	56	101	225	240	22338 CCK/W33	H 2338	4.5	SDGC 2338
94	6	28	24	1	174	40	77	70	75	23040 CCK/W33	H 3040	1.1	SDGC 3040
122	6	42	36	1-1/2	217	48	92	140	145	23140 CCK/W33	H 3140	2.2	SDGC 3140
105	8	35	30	1-1/4	194	42	84	110	125	22240 CCK/W33	H 3140	2.0	SDGC 2240
130	8	42	36	1-1/2	235	50	100	180	190	23240 CCK/W33	H 2340	2.7	SDGC 3240
153	8	48	42	1-3/4	263	62	105	270	280	22340 CCK/W33	H 2340	5.6	SDGC 2340
99	6	28	24	1	182	40	80	82	92	23044 CCK/W33	OH 3044 H	1.4	SDGC 3044
130	8	42	36	1-1/2	235	52	100	170	180	23144 CCK/W33	OH 3144 H	2.6	SDGC 3144
108	8	35	30	1-1/4	207	42	94	135	155	22244 CCK/W33	OH 3144 H	2.4	SDGC 2244
141	8	42	36	1-1/2	258	52	112	220	230	23244 CCK/W33	OH 2344 H	4.0	SDGC 3244
153	10	48	42	1-3/4	272	62	112	315	330	22344 CCK/W33	OH 2344 H	6.0	SDGC 2344
105	8	35	30	1-1/4	195	45	85	100	115	23048 CCK/W33	OH 3048 H	1.4	SDGC 3048
141	8	42	36	1-1/2	252	58	106	215	228	23148 CCK/W33	OH 3148 H	3.4	SDGC 3148
123	10	42	36	1-1/2	232	50	102	230	260	22248 CCK/W33	OH 3148 H	3.4	SDGC 2248
153	8	48	42	1-3/4	280	54	122	295	310	23248 CCK/W33	OH 2348 H	5.0	SDGC 3248
168	10	48	42	1-3/4	295	68	120	400	425	22348 CCK/W33	OH 2348 H	7.3	SDGC 2348



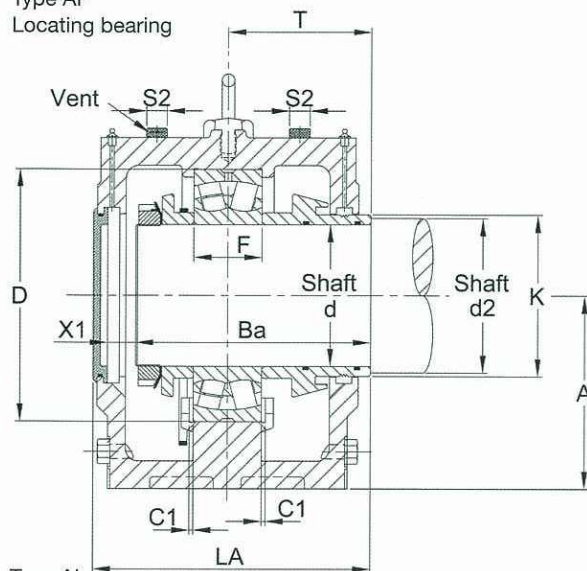
HOUSING NO	SHAFT DIA.			DIMENSIONS mm													
	d	d1	d2 min	D	B	b	G	F	A	H	E	E1	LA	LB	C1	K	M
SOFN 217	85	83	91	150	330	110	35	36	125	230	260	60	180	180	5	96	40
SOFN 218	90	88	96	160	360	120	45	40	135	245	290	70	187.5	190	5	100	40
SOFN 220	100	98	106	180	400	130	50	46	145	270	320	75	203	206	5	110	45
SOFN 222	110	108	116	200	420	145	50	53	160	290	347	75	219.5	229	5	120	45
SOFN 224	120	118	126	215	420	170	55	58	170	315	347	90	263	276	8	135	45
SOFN 226	130	128	138	230	450	180	60	64	180	335	377	100	260	270	8	145	45
SOFN 228	140	138	148	250	500	190	65	68	190	355	415	100	269.5	280	8	160	45
SOFN 230	150	148	158	270	540	190	65	73	200	380	450	115	269.5	280	8	170	50
SOFN 232	160	158	168	290	560	205	65	80	215	405	470	120	305.5	316	10	178	50
SOFN 234	170	168	180	310	610	230	70	86	235	440	515	130	340	350	10	195	55
SOFN 236	180	177	196	320	650	240	75	86	245	455	545	150	350	360	10	205	65
SOFN 238	190	188	208	340	720	250	85	92	260	480	590	150	360	30	12	220	70
SOFN 240	200	198	218	360	730	260	85	98	275	510	600	160	366.5	378	12	227	70
SOFN 244	220	218	238	400	820	280	95	108	305	565	670	180	389.5	404	12	255	80
SOFN 248	240	238	258	440	900	290	100	120	340	625	740	190	412.5	420	12	270	80





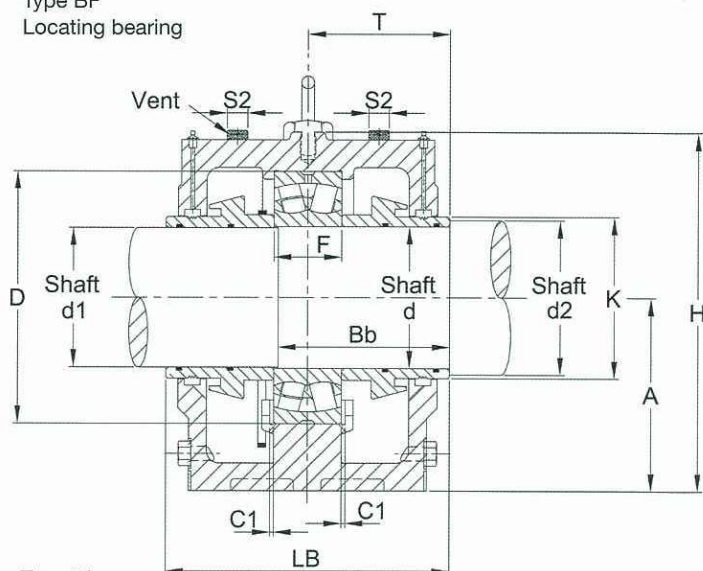
N	T	S		S1	S2	Other dimensions			BEARING NO.	Appropriate		Level		HOUSING NO.
		mm	in			X1	Ba	Bb		Lock nut	Locking washer	max	min	
24	90	20	3/4	G1/2	G3/8	19	145.75	105	22217 CC/C3W33	KM 17	MB 17	63	42	SOFN 217
24	95	20	3/4	G1/2	G3/8	20.25	152.75	112	22218 CC/C3W33	KM 18	MB 18	68	45	SOFN 218
28	103	24	1	G1/2	G1/2	22.75	165.75	123	22220 CC/C3W33	KM 20	MB 20	70	50	SOFN 220
28	114.5	24	1	G1/2	G1/2	23.25	181.75	138	22222 CC/C3W33	KM 22	MB 22	77	50	SOFN 222
28	138	24	1	G1/2	G1/2	32	214	164	22224 CC/C3W33	KM 24	MB 24	80	60	SOFN 224
28	135	24	1	G1/2	G1/2	28	215	164	22226 CC/C3W33	KM 26	MB 26	85	60	SOFN 226
35	140	30	1-1/4	G1/2	G3/4	29.5	223	170	22228 CC/C3W33	KM 28	MB 28	85	60	SOFN 228
35	140	30	1-1/4	G1/2	G3/4	25	227.5	173	22230 CC/C3W33	KM 30	MB 30	90	60	SOFN 230
35	158	30	1-1/4	G1/2	G3/4	38	250.5	193	22232 CC/C3W33	KM 32	MB 32	95	65	SOFN 232
35	175	30	1-1/4	G1/2	G3/4	31.5	291.5	213	22234 CC/C3W33	KM 34	MB 34	105	75	SOFN 234
35	180	30	1-1/4	G1/2	G3/4	35.5	297.5	223	22236 CC/C3W33	KM 36	MB 36	115	80	SOFN 236
42	185	36	1-1/2	G1/2	G3/4	36.5	306.5	226	22238 CC/C3W33	KM 38	MB 38	120	85	SOFN 238
42	189	36	1-1/2	G1/2	G3/4	35	314.5	233	22240 CC/C3W33	KM 40	MB 40	125	85	SOFN 240
42	202	36	1-1/2	G1/2	G3/4	36.5	336	251	22244 CC/C3W33	KM 44T	MB 44	140	95	SOFN 244
42	210	36	1-1/2	G1/2	G3/4	43.5	352	266	22248 CC/C3W33	KM 48T	MB 48	155	110	SOFN 248

Type AF  
Locating bearing



Type AL  
Non-Locating bearing

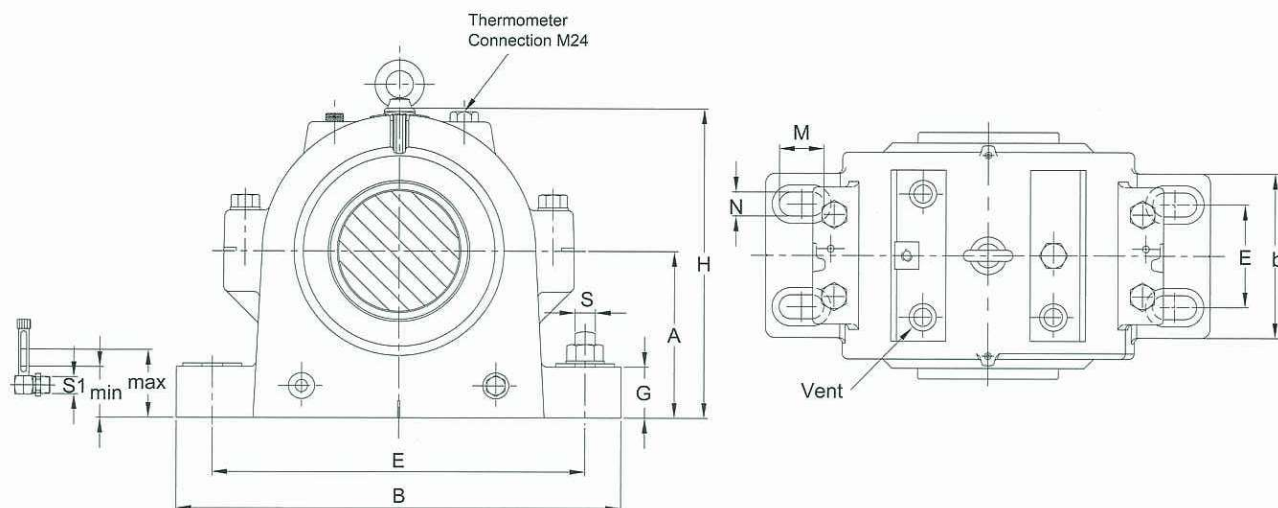
Type BF  
Locating bearing



Type BL  
Non-Locating bearing

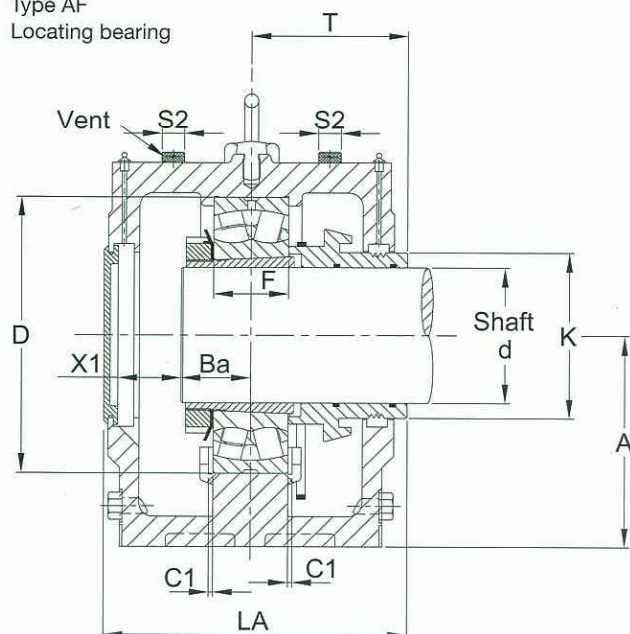
HOUSING NO	SHAFT DIA.			DIMENSIONS mm													
	d	d1	d2 min	D	B	b	G	F	A	H	E	E1	LA	LB	C1	K	M
SOFN 314	70	65	76	150	330	110	35	51	125	230	260	60	180	180	5	80	40
SOFN 316	80	78	86	170	360	135	40	58	140	255	290	80	199	214	5	95	40
SOFN 318	90	88	96	190	400	165	50	64	155	280	317	95	225	240	5	104	45
SOFN 320	100	98	108	215	420	170	55	73	170	315	347	90	255	270	8	115	45
SOFN 322	110	108	118	240	500	190	65	80	190	355	415	100	270	290	8	130	45
SOFN 324	120	118	128	260	540	190	65	86	200	380	450	115	285.5	306	8	140	50
SOFN 326	130	128	140	280	560	205	65	93	215	405	470	120	300	320	8	150	50
SOFN 328	140	138	150	300	630	220	80	102	230	425	510	120	320	340	8	165	60
SOFN 330	150	148	168	320	650	240	75	108	245	455	545	150	335	350	10	175	65
SOFN 332	160	158	178	340	720	250	85	114	260	480	590	150	350	370	10	190	70
SOFN 334	170	168	188	360	730	260	85	120	275	510	600	160	358	378	12	197	70
SOFN 336	180	178	198	380	820	280	95	126	305	565	670	180	384.5	404	12	210	80



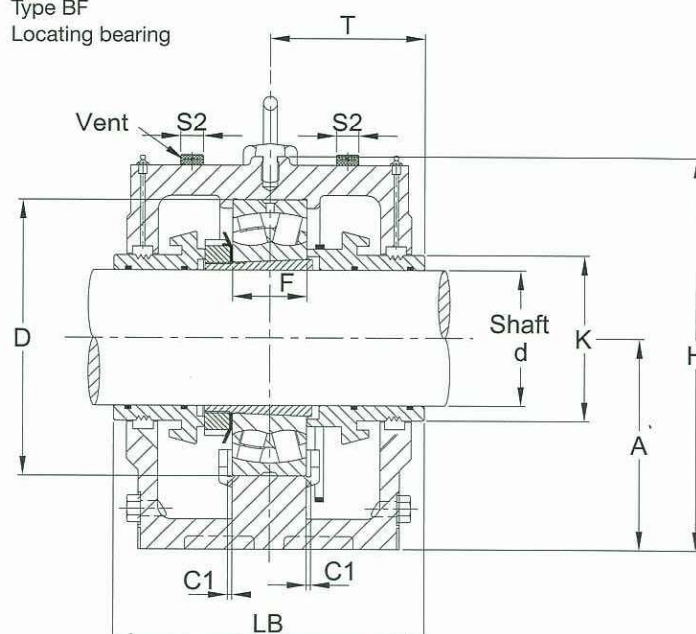


N	T	S		S1	S2	Other dimensions			BEARING NO.	Appropriate		Level		HOUSING NO.
		mm	in			X1	Ba	Bb		Lock nut	Locking washer	max	min	
24	90	20	3/4	G1/2	G3/8	8.5	156	112	22314 CC/C3W33	KM 14	MB 14	65	45	SOFN 314
24	107	20	3/4	G1/2	G3/8	8	181	133	22316 CC/C3W33	KM 16	MB 16	73	45	SOFN 316
28	120	24	1	G1/2	G1/2	17	198	148	22318 CC/C3W33	KM 18	MB 18	80	55	SOFN 318
28	135	24	1	G1/2	G1/2	19	22	168	22320 CC/C3W33	KM 20	MB 20	85	57	SOFN 320
35	145	30	1-1/4	G1/2	G3/4	17	243	180	22322 CC/C3W33	KM 22	MB 22	95	67	SOFN 322
35	153	30	1-1/4	G1/2	G3/4	19	254	192	22324 CC/C3W33	KM 24	MB 24	100	65	SOFN 324
35	160	30	1-1/4	G1/2	G3/4	26	265	202	22326 CC/C3W33	KM 26	MB 26	105	70	SOFN 326
35	170	30	1-1/4	G1/2	G3/4	21	287	215	22328 CC/C3W33	KM 28	MB 28	115	70	SOFN 328
35	175	30	1-1/4	G1/2	G3/4	31	292	225	22330 CC/C3W33	KM 30	MB 30	120	75	SOFN 330
42	185	36	1-1/2	G1/2	G3/4	20	315	240	22332 CC/C3W33	KM 32	MB 32	125	80	SOFN 332
42	189	36	1-1/2	G1/2	G3/4	22	321	244	22334 CC/C3W33	KM 34	MB 34	130	85	SOFN 334
42	202	36	1-1/2	G1/2	G3/4	27	342	260	22336 CC/C3W33	KM 36	MB 36	155	90	SOFN 336

Type AF  
Locating bearing



Type BF  
Locating bearing

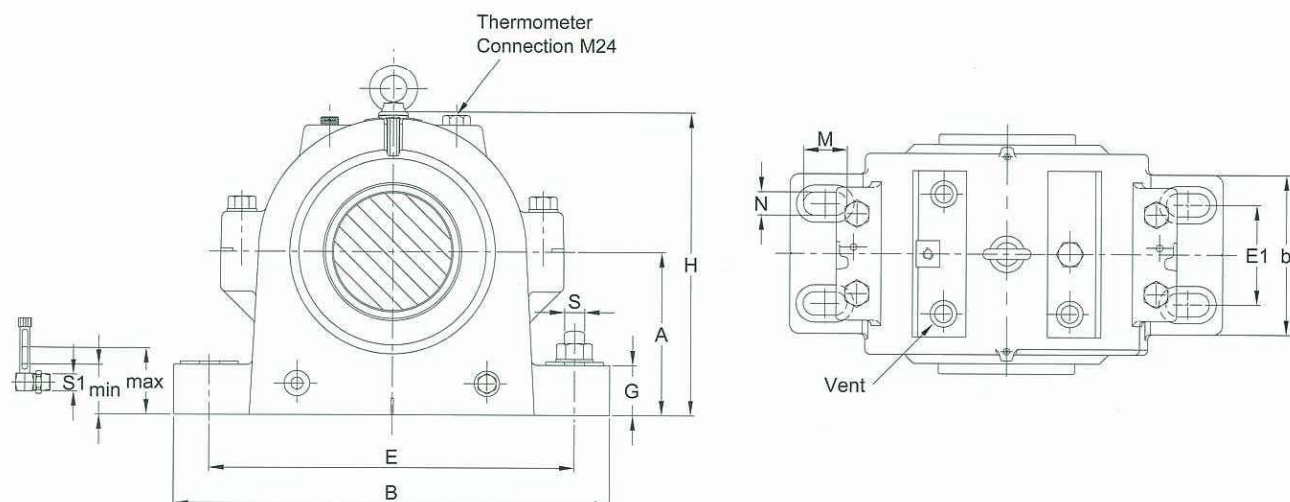


Type AL  
Non-Locating bearing

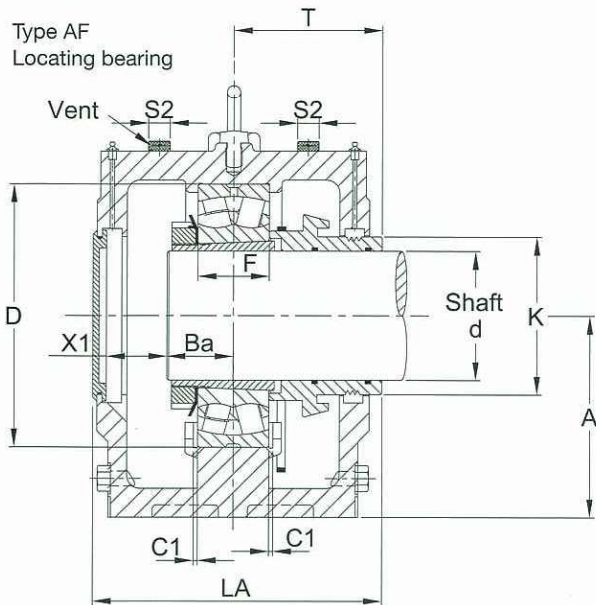
Type BL  
Non-Locating bearing

HOUSING NO	SHAFT DIA. d	DIMENSIONS mm													
		D	B	b	G	F	A	H	E	E1	LA	LB	C1	K	M
SOFN 517	75	150	330	110	35	36	125	230	260	60	180	180	5	96	40
SOFN 518	80	160	360	120	45	40	135	245	290	70	187.5	190	5	100	40
SOFN 520	90	180	400	130	50	46	145	270	320	75	203	206	5	110	45
SOFN 522	100	200	420	145	50	53	160	290	347	75	219.5	229	5	120	45
SOFN 524	110	215	420	170	55	58	170	315	347	90	263	276	8	135	45
SOFN 526	115	230	450	180	60	64	180	335	377	100	260	270	8	145	45
SOFN 528	125	250	500	190	65	68	190	355	415	100	269.5	280	8	160	45
SOFN 530	135	270	540	190	65	73	200	380	450	115	269.5	280	8	170	50
SOFN 532	140	290	560	205	65	80	215	405	470	120	305.5	316	10	178	50
SOFN 534	150	310	610	230	70	86	235	440	515	130	340	350	10	195	55
SOFN 536	160	320	650	240	75	86	245	455	545	150	350	360	10	205	65
SOFN 538	170	340	720	250	85	92	260	480	590	150	360	370	12	220	70
SOFN 540	180	360	730	260	85	98	275	510	600	160	366.5	378	12	227	70
SOFN 544	200	400	820	280	95	108	305	565	670	180	389.5	404	12	255	80
SOFN 548	220	440	900	290	100	120	340	625	740	190	412.5	420	12	270	80

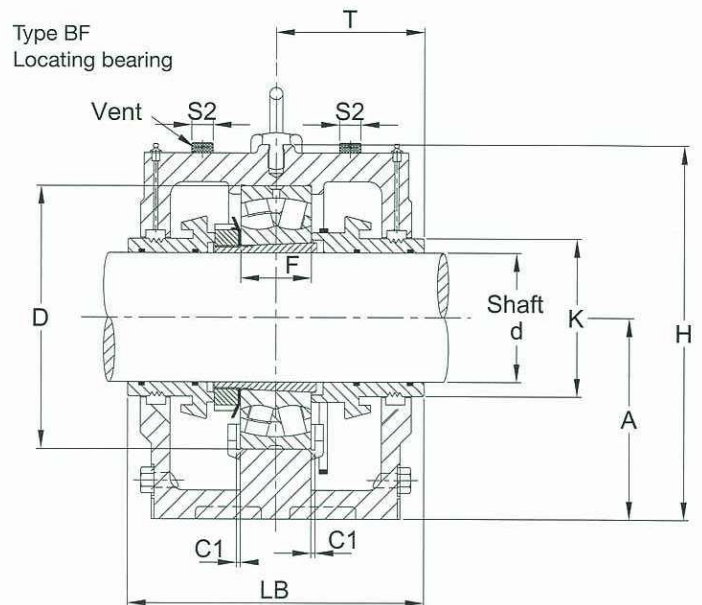




N	T	S		S1	S2	Other dimensions		BEARING NO.	Adapter sleeve Designation	Level		HOUSING NO.
		mm	in			X1	Ba			max	min	
24	90	20	3/4	G1/2	G3/8	35	40	22217 CCK/C3W33	H317	63	42	SOFN 517
24	95	20	3/4	G1/2	G3/8	35.5	42	22218 CCK/C3W33	H318	68	45	SOFN 518
28	103	24	1	G1/2	G1/2	39	46	22220 CCK/C3W33	H320	70	50	SOFN 520
28	114.5	24	1	G1/2	G1/2	33	52	22222 CCK/C3W33	H322	77	50	SOFN 522
28	138	24	1	G1/2	G1/2	49	56	22224 CCK/C3W33	H3124	80	60	SOFN 524
28	135	24	1	G1/2	G1/2	47	58	22226 CCK/C3W33	H3126	85	60	SOFN 526
35	140	30	1-1/4	G1/2	G3/4	46.5	63	22228 CCK/C3W33	H3128	85	60	SOFN 528
35	140	30	1-1/4	G1/2	G3/4	43.5	66	22230 CCK/C3W33	H3130	90	60	SOFN 530
35	158	30	1-1/4	G1/2	G3/4	54.5	73	22232 CCK/C3W33	H3132	95	65	SOFN 532
35	175	30	1-1/4	G1/2	G3/4	58	77	22234 CCK/C3W33	H3134	105	75	SOFN 534
35	180	30	1-1/4	G1/2	G3/4	62	78	22236 CCK/C3W33	H3136	115	80	SOFN 536
42	185	36	1-1/2	G1/2	G3/4	63	82	22238 CCK/C3W33	H3138	120	85	SOFN 538
42	189	36	1-1/2	G1/2	G3/4	61.5	86	22240 CCK/C3W33	H3140	125	85	SOFN 540
42	202	36	1-1/2	G1/2	G3/4	62.5	95	22244 CCK/C3W33	OH3144 HB	140	95	SOFN 544
42	210	36	1-1/2	G1/2	G3/4	67.5	105	22248 CCK/C3W33	OH3148 HB	155	110	SOFN 548



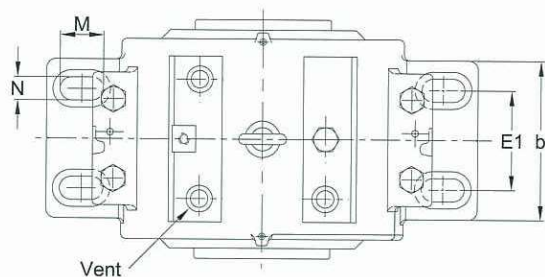
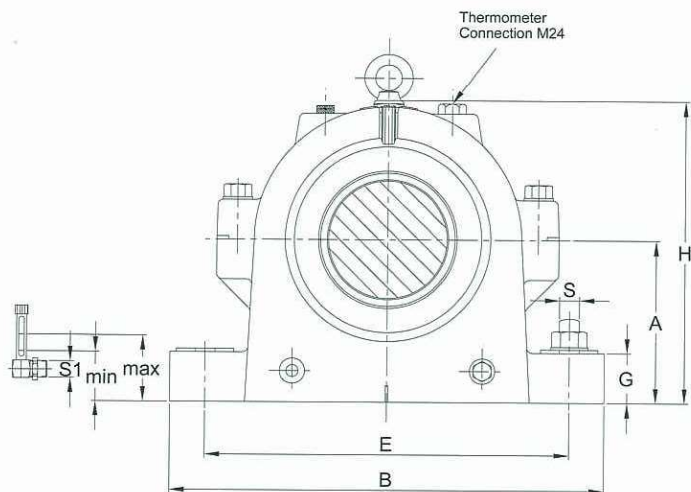
Type AL  
Non-Locating bearing



Type BL  
Non-Locating bearing

HOUSING NO	SHAFT DIA. d	DIMENSIONS mm													
		D	B	b	G	F	A	H	E	E1	LA	LB	C1	K	M
SOFN 614	60	150	330	110	35	51	125	230	260	60	180	180	5	80	40
SOFN 616	70	170	360	135	40	58	140	255	290	80	199	214	5	95	40
SOFN 618	80	190	400	165	50	64	155	280	317	95	225	240	5	104	45
SOFN 620	90	215	420	170	55	73	170	315	347	90	255	270	8	115	45
SOFN 622	100	240	500	190	65	80	190	355	415	100	270	290	8	130	45
SOFN 624	110	260	540	190	65	86	200	380	450	115	285.5	306	8	140	50
SOFN 626	115	280	560	205	65	93	215	405	470	120	300	320	8	150	50
SOFN 628	125	300	630	220	80	102	230	425	510	120	320	340	8	165	60
SOFN 630	135	320	650	240	75	108	245	455	545	150	335	350	10	175	65
SOFN 632	140	340	720	250	85	114	260	480	590	150	350	370	10	190	70
SOFN 634	150	360	730	260	85	120	275	510	600	160	358	378	12	197	70
SOFN 636	160	380	820	280	95	126	305	565	670	180	384.5	404	12	210	80



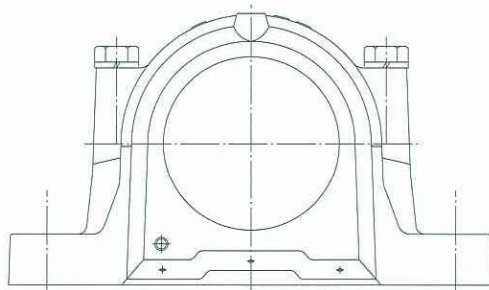


N	T	S		S1	S2	Other dimensions		BEARING NO.	Adapter sleeve Designation	Level		HOUSING NO.
		mm	in			X1	Ba			max	min	
24	90	20	3/4	G1/2	G3/8	32	43	22314 CCK/C3W33	H2314	65	45	SOFN 614
24	107	20	3/4	G1/2	G3/8	27	50	22316 CCK/C3W33	H2316	73	45	SOFN 616
28	120	24	1	G1/2	G1/2	36	54	22318 CCK/C3W33	H2318	80	55	SOFN 618
28	135	24	1	G1/2	G1/2	38	62	22320 CCK/C3W33	H2320	85	57	SOFN 620
35	145	30	1-1/4	G1/2	G3/4	39	66	22322 CCK/C3W33	H2322	95	67	SOFN 622
35	153	30	1-1/4	G1/2	G3/4	42.5	70	22324 CCK/C3W33	H2324	100	65	SOFN 624
35	160	30	1-1/4	G1/2	G3/4	45	75	22326 CCK/C3W33	H2326	105	70	SOFN 626
35	170	30	1-1/4	G1/2	G3/4	40	80	22328 CCK/C3W33	H2328	115	70	SOFN 628
35	175	30	1-1/4	G1/2	G3/4	45	85	22330 CCK/C3W33	H2330	120	75	SOFN 630
42	185	36	1-1/2	G1/2	G3/4	45	90	22332 CCK/C3W33	H2332	125	80	SOFN 632
42	189	36	1-1/2	G1/2	G3/4	45	94	22334 CCK/C3W33	H2334	130	85	SOFN 634
42	202	36	1-1/2	G1/2	G3/4	54.5	98	22336 CCK/C3W33	H2336	155	90	SOFN 636

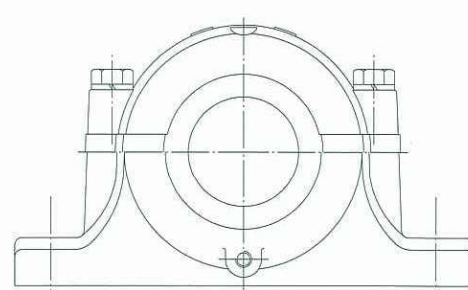
# Sealing Arrangement

**FSQ**

**SNK500**



**SN500/600/3000**



**MATERIAL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**APPROPRIATE  
BEARING SERIES  
MOUNTING**

12, 22, 13, 23, 222, 223  
ADAPTER & CYLINDRICAL

12, 22, 13, 23, 222, 223, 232, 213, 230  
ADAPTER & CYLINDRICAL

**SHAFT SIZE RANGE**

3/4" ~ 5-1/2"

20mm to 140mm

3/4" ~ 6"

20mm to 200mm

**PLUMMER BLOCK SIZE**

505-532

505-532 605-623 3024-3044 3122-3138

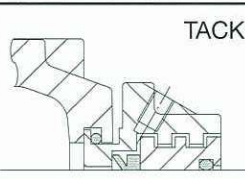
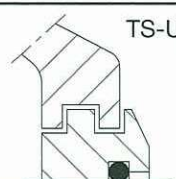
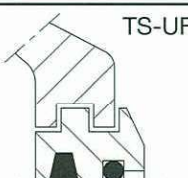
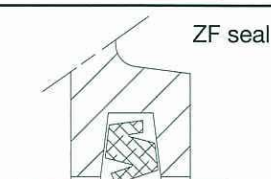
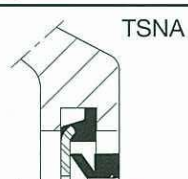
**LUBRICATION**



**STANDARD SEALS**

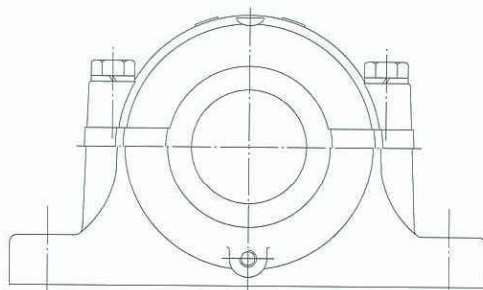


**OPTIONAL SEALS**

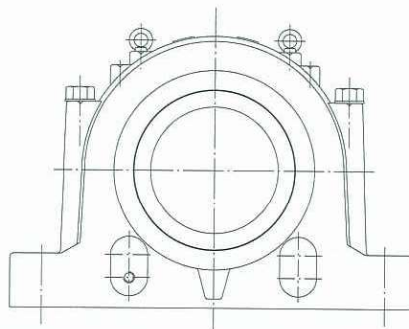




**SSN500/600 FS / TS / TAC**



**SD3100FS / TS / TAC**



**MATERIAL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**APPROPRIATE  
BEARING SERIES  
MOUNTING**

**12, 22, 13, 23, 222, 223  
ADAPTER & CYLINDRICAL**

**213  
ADAPTER & CYLINDRICAL**

**SHAFT SIZE RANGE**

**3/4" ~ 6"**

**20mm to 150mm**

**3/4" ~ 13-15/16"**

**150mm to 380mm**

**PLUMMER BLOCK SIZE**

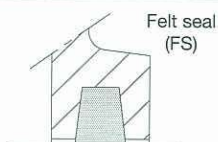
**505-532 605-632**

**3134-3180**

**LUBRICATION**



**STANDARD SEALS**



Felt seal  
(FS)

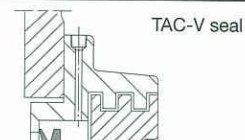


TS seal

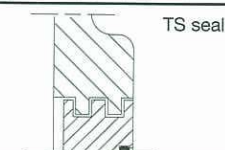
**OPTIONAL SEALS**



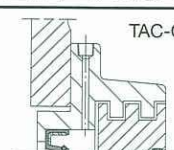
ZF seal



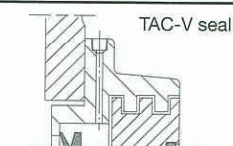
TAC-V seal



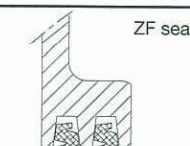
TS seal



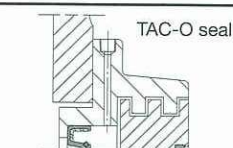
TAC-O seal



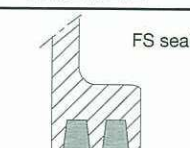
TAC-V seal



ZF seal

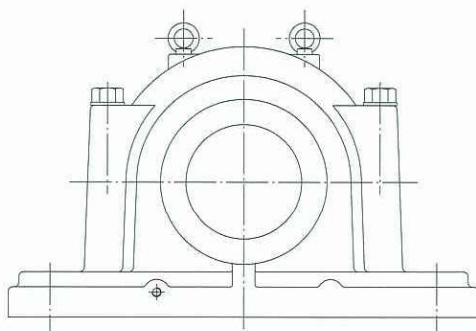
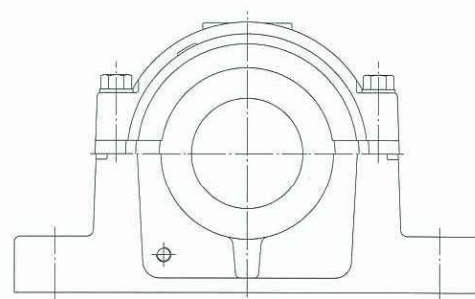


TAC-O seal



FS seal

# Sealing Arrangement

**FSQ**
**SD500/600/3000**

**SAF500/600**

**MATERIAL**
**CAST IRON, DUCTILE IRON & CAST STEEL**
**CAST IRON, DUCTILE IRON & CAST STEEL**
**APPROPRIATE  
BEARING SERIES  
MOUNTING**
**222, 223, 230  
ADAPTER & CYLINDRICAL**
**222, 223  
ADAPTER & CYLINDRICAL**
**SHAFT SIZE RANGE**

- 150mm to 360mm

1-7/16" ~ 7-3/16"

-

**PLUMMER BLOCK SIZE**

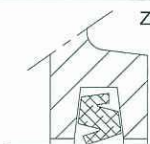
534-564 634-656 3034-3076

509-544 609-640

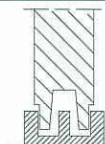
**LUBRICATION**

**STANDARD SEALS**

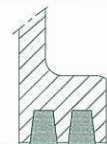
ZF seal



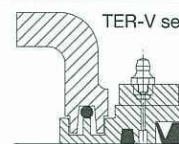
LER seal


**OPTIONAL SEALS**

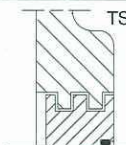
FS seal



TER-V seal



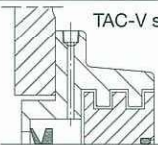
TS seal



TER-OS seal



TAC-V seal

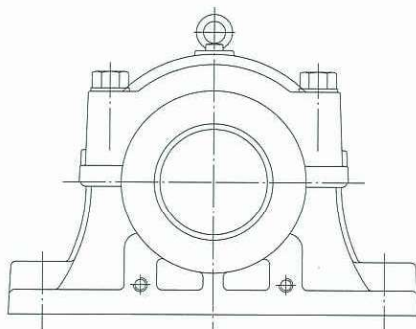


TAC-O seal

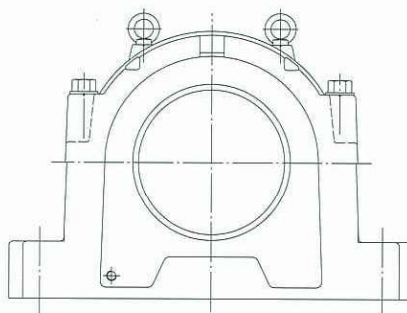




**SDAF500/600/00K**



**SNK3100/3000**



**MATERIAL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**CAST IRON, DUCTILE IRON & CAST STEEL**

**APPROPRIATE  
BEARING SERIES  
MOUNTING**

**222, 223, 230  
ADAPTER & CYLINDRICAL**

**213, 230  
ADAPTER & CYLINDRICAL**

**SHAFT SIZE RANGE**

**3-7/16" ~ 14"**

-

-

**150mm to 450mm**

**PLUMMER BLOCK SIZE**

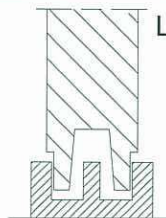
**520-544 616-640 024K-076K**

**3134-3196**

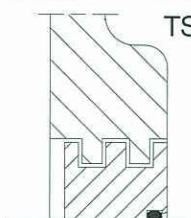
**LUBRICATION**



**STANDARD SEALS**



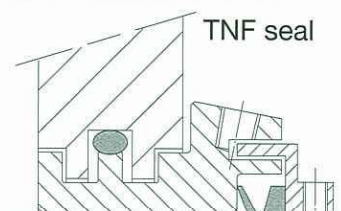
**LER seal**



**TS seal**



**TER-V seal**



**TNF seal**



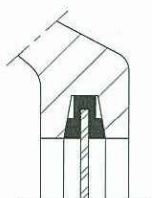
**TER-OS seal**

NOTES: SNK3100 (GREASE QUANTITIES)

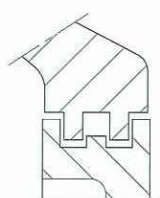
Fills approximately 40% of the free space in the housing

## End Covers

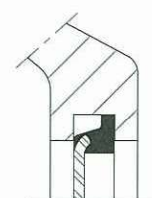
**FSQ**



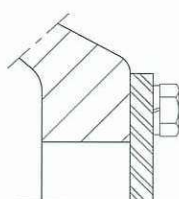
"NA" for SN type



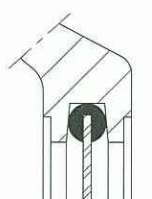
"TSA" for SD/SSN-TS types



"A" for SNK & SNU types



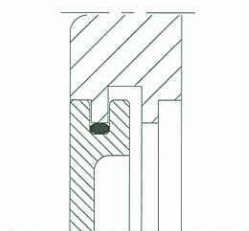
"P" for SD/SSN types  
with taconite



"EPR" for SAF/SDAF types



EP for SD & SAF048K-076K types

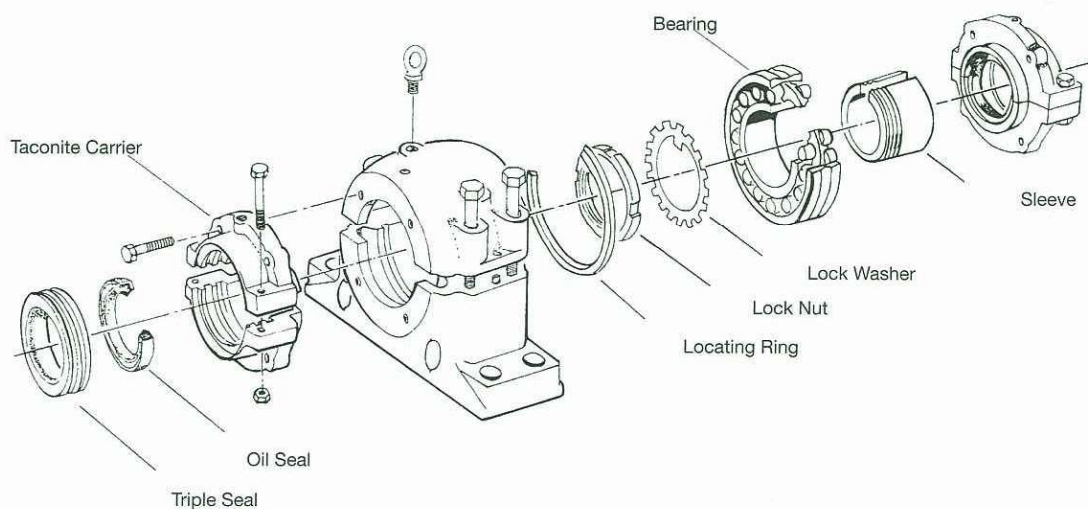


"ETS" for SNK3100 / 3000 types

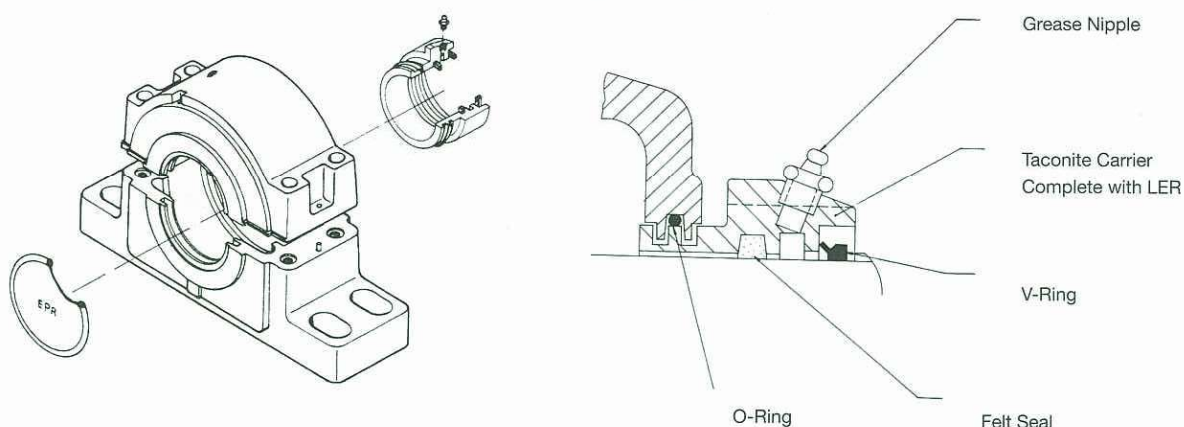
For housings mounted at the ends of the shafts, the opening must be fitted with an end cover to prevent the entry of contaminants into the bearing.



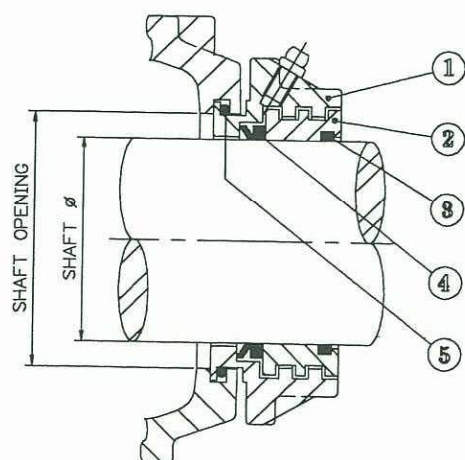
## I. Taconite seal for SSN/SD Housings (TAC)



## II. Inserted Type-Exclusively for SAF/SDAF Types (TER)



## III. TACK - KITS 500 SERIES TO SUIT ALL SNK, SNN AND SNH TYPE HOUSINGS.

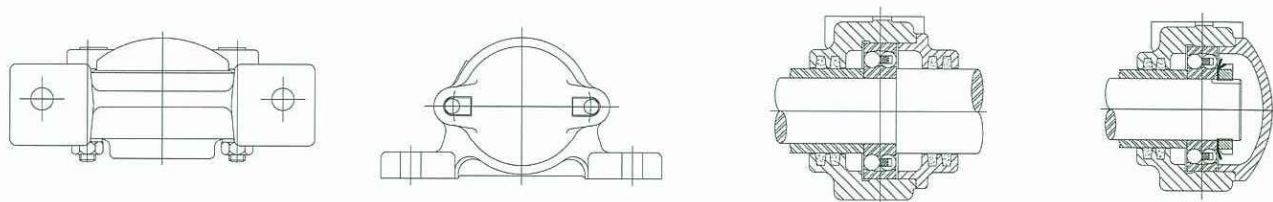


1	SPLIT CARRIER
2	TRIPLE SEAL
3	"O" RING
4	"V" RING
5	"O" RING

## Solid Housings

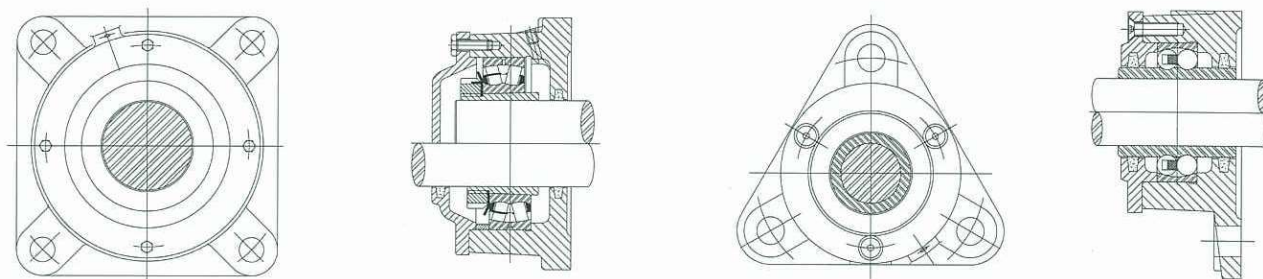
**FSQ**

### TVN Series

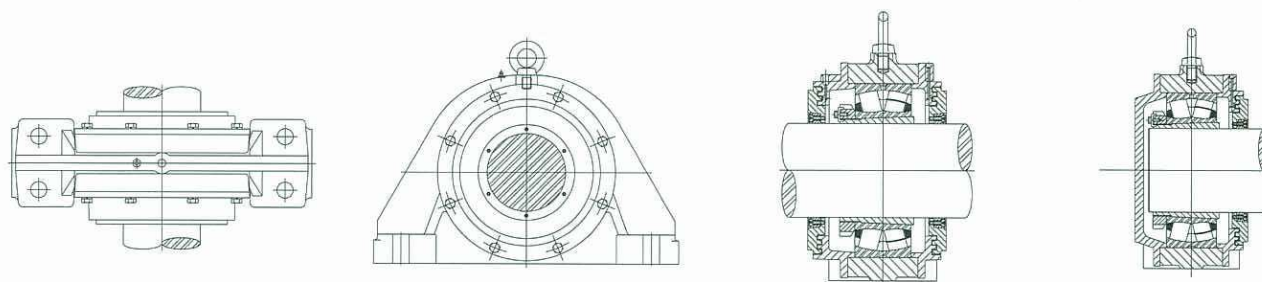


### 722500 Series 722515-722522 Inclusive

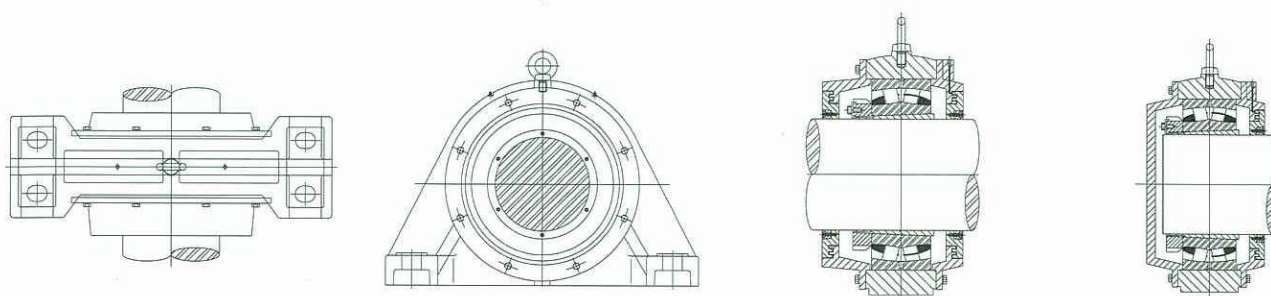
### I-1200 Series 722505-722513 Inclusive



### SBD Series

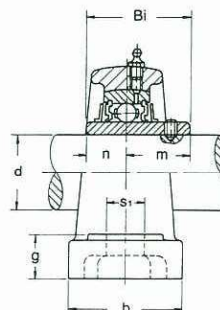
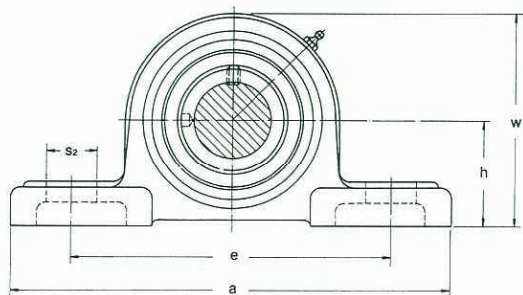


### BND Series





**Set Screw Type - Normal Duty**



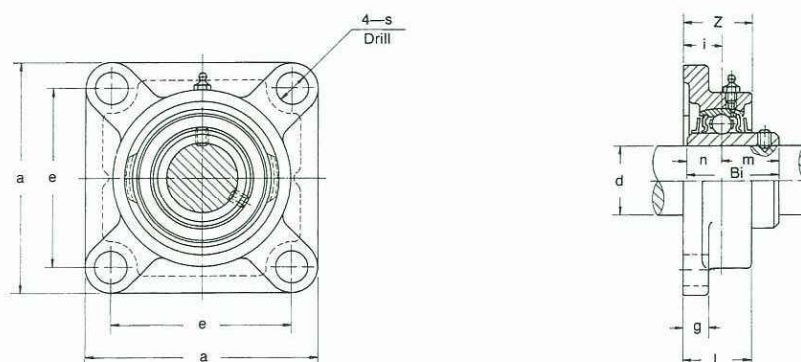
Unit No.	Shaft Dia d		Dimensions (in.) (mm)											Bolt Used		Bearing No.	Housing No.	Weight	
	(in.)	(mm)	h	a	e	b	s <sub>2</sub>	s <sub>1</sub>	g	w	Bi	n	m	(mm)	(in.)			kg	lbs
UCP201 201-8 202 202-10 203	1/2 5/8	12 15 17	1-3/16 30.2	5 127	3-3/4 95	1-1/2 38	3/4 19	1/2 13	15/32 12	2-3/8 60	1.2205 31.0	0.5000 12.7	0.7205 18.3	10	3/8	UC 201 201-8 202 202-10 203	P 203	0.65	1.43
UCP204-12 204	3/4	20	1-5/16 33.3	5 127	3-3/4 95	1-1/2 38	3/4 19	1/2 13	1/2 13	2-17/32 63	1.2205 31.0	0.5000 12.7	0.7205 18.3	10	3/8	UC 204-12 204	P 204	0.65	1.43
UCP205-14 205-15 205 205-16	7/8 15/16 1	25	1-7/16 36.5	5-1/2 140	4-1/8 105	1-1/2 38	3/4 19	1/2 13	1/2 13	2-25/31 70	1.3386 34.0	0.5630 14.3	0.7756 19.7	10	3/8	UC 205-14 205-15 205 205-16	P 205	0.79	1.74
UCP206-18 206 206-19	1-1/8 1-3/16	30	1-11/16 42.9	6-1/2 165	4-3/4 121	1-7/8 48	13/16 21	21/32 17	19/32 15	3-5/16 83	1.5000 38.1	0.6260 15.9	0.8740 22.2	14	1/2	UC 206-18 206 206-19	P 206	1.30	2.86
UCP207-20 207-21 207-22 207 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	1-7/8 47.6	6-9/16 167	5 127	1-7/8 48	13/16 21	21/32 17	5/8 16	3-21/32 92	1.6890 42.9	0.6890 17.5	1.000 25.4	14	1/2	UC 207-20 207-21 207-22 207 207-23	P 207	1.60	3.52
UCP208-24 208-25 208	1-1/2 1-9/16	40	1-15/16 49.2	7-1/4 184	5-13/32 137	2-1/8 54	13/16 21	21/32 17	21/32 17	3-27/32 98	1.9370 49.2	0.7480 19.0	1.1890 30.2	14	1/2	UC 208-24 208-25 208	P 208	2.00	4.40
UCP209-26 209-27 209-28 209	1-5/8 1-11/16 1-3/4	45	2-1/8 54.0	7-15/32 190	5-3/4 146	2-1/8 54	13/16 21	21/32 17	21/32 17	4-3/16 106	1.9370 49.2	0.7480 19.0	1.1890 30.2	14	1/2	UC 209-26 209-27 209-28 209	P 209	2.30	5.06
UCP210-30 210-31 210	1-7/8 1-15/16	50	2-1/4 57.2	8-1/8 206	6-1/4 159	2-3/8 60	7/8 22	25/32 20	3/4 19	4-7/16 112	2.0315 51.6	0.7480 19.0	1.2835 32.6	16	5/8	UC 210-30 210-31 210	P 210	2.70	5.94
UCP211-32 211-34 211 211-35	2 2-1/8 2-3/16	55	2-1/2 63.5	8-5/8 219	6-25/32 171	2-3/8 60	7/8 22	25/32 20	3/4 19	4-29/32 125	2.1890 55.6	0.8740 22.2	1.3150 33.4	16	5/8	UC 211-32 211-34 211 211-35	P 211	3.30	7.26
UCP212-36 212 212-38 212-39	2-1/4 2-3/8 2-7/16	60	2-3/4 69.8	9-1/2 241	7-1/4 184	2-3/4 70	1 25	25/32 20	7/8 22	5-7/16 137	2.5630 65.1	1.000 25.4	1.5630 39.7	16	5/8	UC 212-36 212 212-38 212-39	P 212	4.70	10.32
UCP213-40 213	2-1/2	65	3 76.2	10-7/16 265	8 203	2-3/4 70	1-3/16 30	1 25	1 25	5-29/32 150	2.5630 65.1	1.0000 25.4	1.5630 39.7	20	3/4	UC 213-40 213	P 213	5.60	12.32

Dimensions listed is for reference only

# UCF 200 Series

**FSQ**

## Set Screw Type - Normal Duty

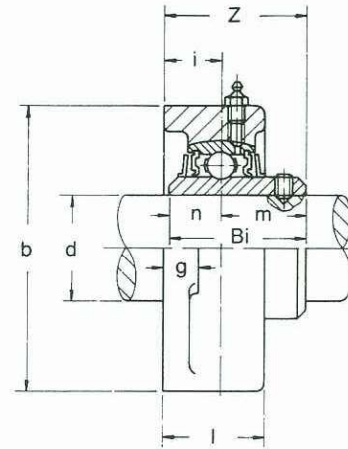
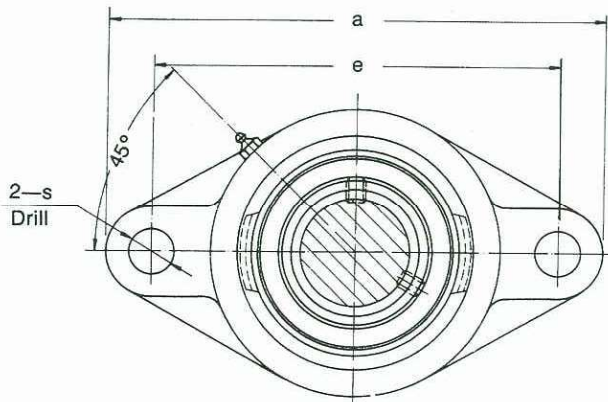


Unit No.	Shaft Dia.		Dimensions (in.) (mm)										Bolt Used		Bearing No.	Housing No.	Weight	
	d		a	e	i	g	l	s	Z	Bi	n	m	(mm)	(in.)			kg	lbs
	(in.)	(mm)																
UCF 201		12													UC201			
201-8	1/2	15													201-8			
202															202			
202-10	5/8	17	3-3/8	2-32/64	14/32	7/16	1	15/32	1-5/16	1.2205	0.5000	0.7205	10	3/8	202-10	F 204	0.65	1.43
203			86	64	15	11	25.5	12	33.3	31.0	12.7	18.3			203			
204-12	3/4	20													204-12			
204															204			
UCF 205-14	7/8														UC205-14			
205-15	15/16	25	3-3/4	2-3/4	5/8	1/2	1-1/16	15/32	1-13/32	1.3386	0.5630	0.7756	10	3/8	205-15	F 205	0.90	1.98
205			95	70	16	13	27	12	35.7	34.0	14.3	19.7			205			
205-16	1														205-16			
UCF 206-18	1-1/8														UC206-18			
206		30	4-1/4	3-17/64	45/64	1/2	1-7/32	15/32	1-19/32	1.5000	0.6260	0.8740	10	3/8	206	F 206	1.25	2.75
206-19	1-3/16		108	83	18	13	31	12	40.2	38.1	15.9	22.2			206-19			
UCF 207-20	1-1/4														UC207-20			
207-21	1-5/16		4-19/32	3-5/8	3/4	19/32	1-11/32	35/64	1-3/4	1.6890	0.6890	1.0000	12	7/16	207-21	F 207	1.65	3.63
207-22	1-3/8		117	92	19	15	34	14	44.4	42.9	17.5	25.4			207-22			
207		35													207			
207-23	1-7/16														207-23			
UCF 208-24	1-1/2														UC208-24			
208-25	1-9/16		5-1/8	4-1/64	53/64	19/32	1-13/32	5/8	2-1/32	1.9370	0.7480	1.1890	14	1/2	208-25	F 208	2.20	4.84
208		40	130	102	21	15	36	16	51.2	49.2	19.0	30.2			208			
UCF 209-26	1-5/8														UC209-26			
209-27	1-11/16		5/13-32	4-9/64	55/64	5/8	1-1/2	5/8	2-1/16	1.9370	0.7480	1.1890	14	1/2	209-27	F 209	2.50	5.50
209-28	1-3/4		137	105	22	16	38	16	52.2	49.2	19.0	30.2			209-28			
209		45													209			
UCF 210-30	1-7/8														UC210-30			
210-31	1-15/16		5-5/8	4-3/8	55/64	5/8	1-9/16	5/8	2-5/32	2.0315	0.7480	1.2835	14	1/2	210-31	F 210	2.75	6.05
210		50	143	111	22	16	40	16	54.6	51.6	19.0	32.6			210			
UCF 211-32	2														UC211-32			
211-34	2-1/8		6-3/8	5-1/8	63/64	23/32	1-11/16	3/4	2-5/16	2.1890	0.8740	1.3150	16	5/8	211-34	F 211	3.95	8.69
211		55	162	130	25	18	43	19	58.4	55.6	22.2	33.4			211			
211-35	2-3/16														211-35			
UCF 212-36	2-1/4														UC212-36			
212		60	6-7/8	5-5/8	1-9/64	23/32	1-7/8	3/4	2-23/32	2.5630	1.0000	1.5630	16	5/8	212	F 212	5.00	11.00
212-38	2-3/8		175	143	29	18	48	19	68.7	65.1	25.4	39.7			212-38			
212-39	2-7/16														212-39			
UCF 213-40	2-1/2														UC213-40			
213		65	7-3/8	5-55/64	1-3/16	7/8	1-31/32	3/4	2-3/4	2.5630	1.0000	1.5630	16	5/8	213	F 213	6.00	13.20

Dimensions listed is for reference only



**Set Screw Type - Normal Duty**



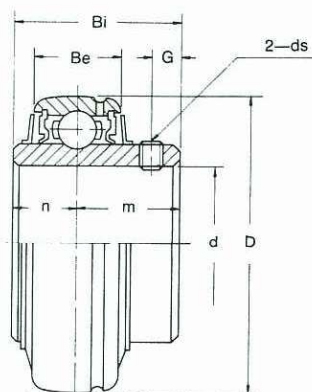
Unit No.	Shaft Dia.		Dimensions (in.) (mm)											Bolt Used		Bearing No.	Housing No.	Weight	
	d																	kg	lbs
	(in.)	(mm)	a	e	i	g	l	s	b	Z	Bi	n	m	(mm)	(in.)				
UCFL 201		12														UC 201			
201-8	1/2	15														201-8			
202																202			
202-10	5/8	17	4-7/16	3-35/64	19/32	7/16	1	15/32	2-3/8	1-5/16	1.2205	0.5000	0.7205	10	3/8	202-10	FL 204	0.49	
203			113	90	15	11	25.5	12	60	33.3	31.0	12.7	18.3			203			
204-12	3/4	20														UC 204-12			
204																204			
UCFL 205-14	7/8															UC 205-14			
205-15	15/16	25	5-1/8	3-57/64	5/8	1/2	1-1/16	5/8	2-11/16	1-13/32	1.3386	0.5630	0.7756	14	1/2	205-15	FL 205	0.65	
205			130	99	16	13	27	16	68	35.7	34.0	14.3	19.7			205			
205-16	1															205-16			
UCFL 206-18	1-1/8	30	5-13/16	4-39/64	45/64	1/2	1/7-32	5/8	3-5/32	1-19/32	1.5000	0.6260	0.8740	14	1/2	UC 206-18			
206			148	117	18	13	31	16	80	40.2	38.1	15.9	22.2			206	FL 206	0.98	
206-19	1-3/16															206-19			
UCFL 207-20	1-1/4															UC 207-20			
207-21	1-5/16															207-21			
207-22	1-3/8	35	6-11/32	5-1/8	3/4	9/16	1-11/32	5/8	3-17/32	1-3/4	1.6890	0.6890	1.0000	14	1/2	207	FL 207	1.25	
207			161	130	19	14	34	16	90	44.4	42.9	17.5	25.4			207			
207-23	1-7/16															207-23			
UCFL 208-24	1-1/2		6-7/8	5-43/64	53/64	9/16	1-13/32	5/8	3-15/16	2	1.9370	0.7480	1.1890			UC 208-24			
208-25	1-9/16	40	175	144	21	14	36	16	100	512	49.2	19.0	30.2	14	1/2	208-25	FL 208	1.65	
208																208			
UCFL 209-26	1-5/8															UC 209-26			
209-27	1-11/16		7-13/32	5-53/64	55/64	19/32	1-1/2	3/4	4-1/14	2-1/16	1.9370	0.7480	1.1890			209-27			
209-28		1-3/4	188	148	22	15	38	19	108	52.2	49.2	19.0	30.2	14	5/8	209-28	FL 209	1.95	
209		45														209			
UCFL 210-30	1-7/8		7-3/4	6-3/16	55/64	19/32	1-9/16	3/4	4-17/32	2-5/32	2.0315	0.7480	1.2835			UC 210-30			
210-31	1-15/16		197	157	22	15	40	19	115	54.6	51.6	19.0	32.6	16	5/8	210-31	FL 210	2.25	
210		50														210			
UCFL 211-32	2															UC 211-32			
211-34	2-1/8		8-13/16	7-1/4	63/64	23/32	1-11/16	3/4	5-1/8	2-5/16	2.1890	0.8740	1.3150			211-34			
211		55	224	184	25	18	43	19	130	58.4	55.6	22.2	33.4	16	5/8	211	FL 211	3.30	
211-35	2-3/16															211-35			
UCFL 212-36	2-1/4															UC 212-36			
212		60	9-27/32	7-61/64	1-9/64	23/32	1-7/8	29/32	5-1/2	2-23/32	2.5630	1.0000	1.5630	20	3/4	212	FL 212	4.30	
212-38	2-3/8		250	202	29	18	48	23	140	68.7	65.1	25.4	39.7			212-38			
212-39	2-7/16															212-39			
UCFL 213-40	2-1/2		10-5/32	8-17/64	1-3/16	25/32	1-31/32	29/32	6-3/32	2-3/4	2.5630	1.0000	1.5630			UC 213-40			
213		65	258	210	30	20	50	23	155	69.7	65.1	25.4	39.7	20	3/4	213	FL 213	5.20	
																		11.44	

Dimensions listed is for reference only

# UC 200 Series

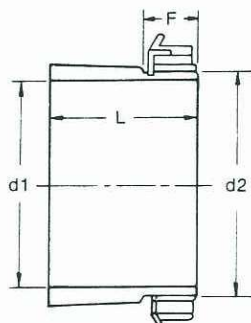
**FSQ**

## Set Screw Type



Bearing No.	Bore Dia. of Bearing		Dimensions (in.) (mm)							Basic Load Rating lbs/kg	Basic Static Load Rating lbs/kg	Weight	
	d											kg	lbs
	(in.)	(mm)	D	Bi	Be	n	m	G	ds				
UC 201 201-8 202 202-10 203 204-12 204		12										0.21	0.46
	1/2	15										0.21	0.46
	5/8	17	1.8504	1.2205	0.6299	0.5000	0.7205	0.1969	1/4-28	2230	1390	0.19	0.42
			47	31.0	16	12.7	18.3	5	6 x1	1010	630	0.19	0.42
	3/4	20										0.18	0.40
												0.16	0.35
UC 205-14 205-15 205 205-16	7-8											0.23	0.51
	15/16		2.0472	1.3368	0.6693	0.5630	0.7756	0.2165	1/4-28	2420	1560	0.21	0.46
		25	52	34.0	17	14.3	19.7	5.5	6x1	1100	710	0.20	0.44
	1											0.20	0.44
UC 206-18 206 206-19	1-1/18											0.34	0.75
	1-3/16	30	2.4409	1.5000	0.7480	0.6260	0.8740	0.2362	5/16-24	3370	2250	0.32	0.70
UC 207-20 207-21 207-22 207 207-23												0.32	0.70
	1-1/4											0.54	1.19
	1-5/16		2.8346	1.6890	0.7874	0.6890	1.0000	0.2559	5/16-24	4444	3060	0.51	1.12
	1-3/8		72	42.9	20	17.5	25.4	6.5	8x1	2020	1390	0.48	1.06
		35										0.48	1.06
UC 208-24 208-25 208	1-7/16											0.45	0.99
	1-1/2											0.68	1.50
	1-9/16		3.1496	1.9370	0.8268	0.7480	1.1890	0.3150	5/16-24	5020	3500	0.65	1.43
		40	80	49.2	21	19.0	30.2	8	8x1	2280	1290	0.64	1.41
UC 209-26 209-27 209-28 209												0.78	1.72
	1-5/8		3.3465	1.9370	0.8661	0.7480	1.1890	0.3150	5/16-24	5630	3980	0.74	1.63
	1-11/16		85	49.2	22	19.0	30.2	8	8x1	2560	1810	0.70	1.54
	1-3/4	45										0.68	1.50
UC 210-30 210-31 210												0.87	1.91
	1-7/8		3.5433	2.0315	0.9449	0.7480	1.2835	0.3543	5/16-24	6050	4444	0.85	1.80
	1-15/16	50	90	51.6	24	19.0	32.6	9	2x1	2750	2020	0.80	1.76
UC 211-32 211-34 211 211-35												1.26	2.77
	2		3.9370	2.1890	0.9843	0.8740	1.3150	0.3543	3/8-24	7490	5620	1.15	2.53
	2-1/8	55	100	55.6	25	22.2	33.4	9	10x1.25	3400	2550	1.11	2.44
	2-3/16											1.09	2.40
UC 212-36 212 212-38 212-39	2-1/4											1.67	3.67
		60	4.3307	2.5630	1.0630	1.0000	1.5630	0.4134	3/8-24	9040	6940	1.54	3.39
	2-3/8		110	65.1	27	25.4	39.7	10.5	10x1.25	4100	3150	1.52	3.34
	2-7/16											1.45	3.19
UC 213-40 212	3-1/2		4.7244	2.5630	1.1024	1.0000	1.5630	0.4724	3/8-24	9920	7590	1.94	4.27
		65	120	65.1	28	25.4	39.7	12	10x1.25	4500	3450	1.86	4.09





**For SAF 22500 Series**

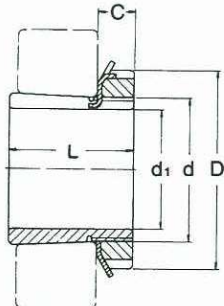
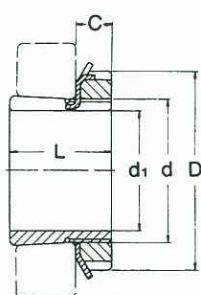
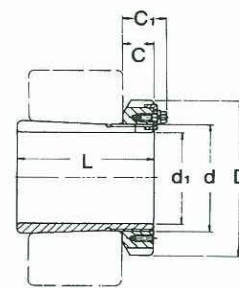
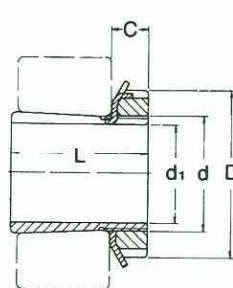
Bearing Bore No.	Complete Adapter		Locknut No.	Lockwasher No.	Adapter Sleeve No.	Nominal Sleeve Dimensions inches				
	Designation	Weight lbs.				Shaft (Bore) Diameter d1	L	F	Thread Pitch Diameter d2	Threads Per inch
09	SNW 09	0.6	N 09	W 09	S 09	1-7/16	1.584	.662	1.7277	18
10	SNW 10	0.7	N 10	W 10	S 10	1-11/16	1.765	.724	1.9277	18
11	SNW 11	0.8	N 11	W 11	S 11	1-15/16	1.845	.729	2.1174	18
13	SNW 13	1.3	N 13	W 13	S 13	2-3/16	2.100	.792	2.5084	18
15	SNW 15	2.2	AN 15	W 15	S 15	2-7/16	2.296	.895	2.8752	12
16	SNW 16	2.4	AN 16	W 16	S 16	2-11/16	2.376	.895	3.0790	12
17	SNW 17	2.9	AN 17	W 17	S 17	2-15/16	2.486	.926	3.2812	12
18	SNW 18	3.0	AN 18	W 18	S 18	3-3/16	2.646	1.010	3.4682	12
20	SNW 20	4.3	AN 20	W 20	S 20	3-7/16	2.869	1.073	3.8592	12
22	SNW 22	5.0	AN 22	W 22	S 22	3-15/16	3.206	1.135	4.2648	12
24	SNW 24	6.6	AN 24	W 24	S 24	4-3/16	3.466	1.166	4.6558	12
26	SNW 26	9.7	AN 26	W 26	S 26	4-7/16	3.762	1.229	5.0458	12
28	SNW 28	10.3	AN 28	W 28	S 28	4-15/16	3.981	1.291	5.4368	12
30	SNW 30	15.8	AN 30	W 30	S 30	5-3/16	4.241	1.354	5.8273	12
32	SNW 32	15.6	AN 32	W 32	S 32	5-7/16	4.578	1.510	6.1953	8
34	SNW 34	19.4	AN 34	W 34	S 34	5-15/16	4.847	1.541	6.5703	8
36	SNW 36	20.5	AN 36	W 36	S 36	6-7/16	5.038	1.573	6.9773	8
38	SNW 38	23.4	AN 38	W 38	S 38	6-15/16	5.261	1.604	7.3833	8
40	SNW 40	30.7	AN 40	W 40	S 40	7-3/16	5.484	1.666	7.7521	8
44	SNW 44	32.3	N 44	W 44	S 44	7-15/16	5.901	1.698	8.5378	8

**For SAF 22600 Series**

Bearing Bore No.	Complete Adapter		Locknut No.	Lockwasher No.	Adapter Sleeve No.	Nominal Sleeve Dimensions inches				
	Designation	Weight lbs.				Shaft (Bore) Diameter d1	L	F	Thread Pitch Diameter d2	Threads Per inch
09	SNW 109	0.7	N 09	W 09	S 109	1-7/16	2.133	.662	1.7277	18
10	SNW 110	0.8	N 10	W 10	S 110	1-11/16	2.394	.724	1.9277	18
11	SNW 111	0.9	N 11	W 11	S 111	1-15/16	2.516	.729	2.1174	18
13	SNW 113	1.7	N 13	W 13	S 113	2-3/16	2.771	.792	2.5084	18
15	SNW 115	2.9	AN 15	W 15	S 115	2-7/16	3.084	.895	2.8752	12
16	SNW 116	3.1	AN 16	W 16	S 116	2-11/16	3.204	.895	3.0790	12
17	SNW 117	3.4	AN 17	W 17	S 117	2-15/16	3.312	.926	3.2812	12
18	SNW 118	3.9	AN 18	W 18	S 118	3-3/16	3.553	1.010	3.4682	12
20	SNW 120	6.2	AN 20	W 20	S 120	3-7/16	3.971	1.073	3.8592	12
22	SNW 122	6.4	AN 22	W 22	S 122	3-15/16	4.348	1.135	4.2648	12
24	SNW 124	7.8	AN 24	W 24	S 124	4-3/16	4.648	1.166	4.6558	12
26	SNW 126	12.4	AN 26	W 26	S 126	4-7/16	4.982	1.229	5.0458	12
28	SNW 128	13.0	AN 28	W 28	S 128	4-15/16	5.323	1.291	5.4368	12
30	SNW 130	18.0	AN 30	W 30	S 130	5-3/16	5.621	1.354	5.8278	12
32	SNW 132	18.1	AN 32	W 32	S 132	5-7/16	5.920	1.510	6.1953	8
34	SNW 134	21.0	AN 34	W 34	S 134	5-15/16	6.188	1.541	6.5703	8
36	SNW 136	22.4	AN 36	W 36	S 136	6-7/16	6.456	1.573	6.9773	8
38	SNW 138	28.1	AN 38	W 38	S 138	6-15/16	6.758	1.604	7.3833	8
40	SNW 140	35.7	AN 40	W 40	S 140	7-3/16	7.095	1.666	7.7521	8

• Other shaft sizes are also available.

# Adapter Sleeves

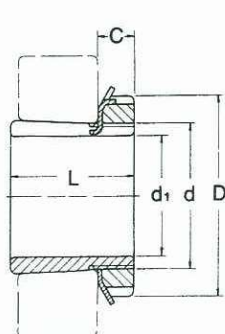
**FSQ**
**Series: H2 (HE, HS, HA) H3 (HE, HS, HA)**

**Series: H23 (HE, HS, HA)**

 $d_1 \leq 180\text{mm}$ 
 $d_1 > 180\text{mm}$ 

NO.	d	d1	L	D	C	AN/KM AW/MB	Weight (kg)
H 204	20	17	24	32	7	4	0.041
H 205	25	20	26	38	8	5	0.070
H 206	30	25	27	45	8	6	0.099
H 207	35	30	29	52	9	7	0.125
H 208	40	35	31	58	10	8	0.174
H 209	45	40	33	65	11	9	0.227
H 210	50	45	35	70	12	10	0.274
H 211	55	50	37	75	12	11	0.308
H 212	60	55	38	80	13	12	0.346
H 213	65	60	40	85	14	13	0.401
H 214	70	60	41	92	14	14	0.593
H 215	75	65	43	98	15	15	0.707
H 216	80	70	46	105	17	16	0.882
H 217	85	75	50	110	18	17	1.02
H 218	90	80	52	120	18	18	1.19
H 219	95	85	55	125	19	19	1.37
H 220	100	90	58	130	20	20	1.49
H 221	105	95	60	140	20	21	1.72
H 222	110	100	63	145	21	22	1.93
H 304	20	17	28	32	7	4	0.045
H 305	25	20	29	38	8	5	0.075
H 306	30	25	31	45	8	6	0.109
H 307	35	30	35	52	9	7	0.142
H 308	40	35	36	58	10	8	0.189
H 309	45	40	39	65	11	9	0.248
H 310	50	45	42	70	12	10	0.303
H 311	55	50	45	75	12	11	0.345
H 312	60	55	47	80	13	12	0.394
H 313	65	60	50	85	14	13	0.458
H 314	70	60	52	92	14	14	0.723
H 315	75	65	55	98	15	15	0.831
H 316	80	70	59	105	17	16	1.03
H 317	85	75	63	110	18	17	1.18
H 318	90	80	65	120	18	18	1.37
H 319	95	85	68	125	19	19	1.56

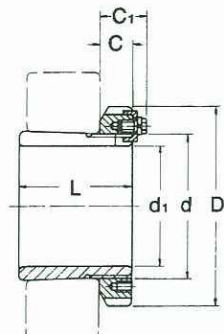
NO.	d	d1	L	D	C	C1	AN/KM AW/MB	Weight (kg)
H 320	100	90	71	130	20	—	20	1.69
H 321	105	95	74	140	20	—	21	1.95
H 322	110	100	77	145	21	—	22	2.18
H 2304	20	17	31	32	7	—	4	0.049
H 2305	25	20	35	38	8	—	5	0.087
H 2306	30	25	38	45	8	—	6	0.126
H 2307	35	30	43	52	9	—	7	0.165
H 2308	40	35	46	58	10	—	8	0.224
H 2309	45	40	50	65	11	—	9	0.280
H 2310	50	45	55	70	12	—	10	0.362
H 2311	55	50	59	75	12	—	11	0.420
H 2312	60	55	62	80	13	—	12	0.481
H 2313	65	60	65	85	14	—	13	0.557
H 2314	70	60	68	92	14	—	14	0.897
H 2315	75	65	73	98	15	—	15	1.05
H 2316	80	70	78	105	17	—	16	1.28
H 2317	85	75	82	110	18	—	17	1.45
H 2318	90	80	86	120	18	—	18	1.69
H 2319	95	85	90	125	19	—	19	1.92
H 2320	100	90	97	130	20	—	20	2.15
H 2321	105	95	101	140	20	—	21	2.46
H 2322	110	100	105	145	21	—	22	2.74
H 2324	120	110	112	155	22	—	24	3.19
H 2326	130	115	121	165	23	—	26	4.60
H 2328	140	125	131	180	24	—	28	5.55
H 2330	150	135	139	195	26	—	30	6.63
H 2332	160	140	147	210	28	—	32	9.14
H 2334	170	150	154	220	29	—	34	10.2
H 2336	180	160	161	230	30	—	36	11.3
H 2338	190	170	169	240	31	—	38	12.6
H 2340	200	180	176	250	32	—	40	13.9
H 2344	220	200	186	280	35	44	44	16.7
H 2348	240	220	199	300	37	46	48	19.7
H 2352	260	240	211	330	39	49	52	24.2
H 2356	280	260	224	350	41	51	56	27.8



**Series: H30 (HE)**

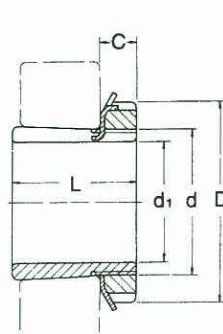


$d_1 \leq 180\text{mm}$

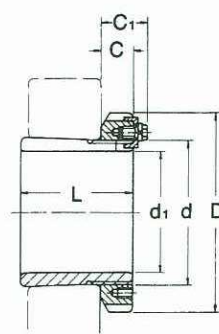


$d_1 > 180\text{mm}$

**Series: H31 (HE)**



$d_1 \leq 180\text{mm}$



$d_1 > 180\text{mm}$

mm

No.	d	d1	L	D	C	C1	Weight (kg)
H 3024	120	110	72	145	22	-	1.93
H 3026	130	115	80	155	23	-	2.85
H 3028	140	125	82	165	24	-	3.16
H 3030	150	135	87	180	26	-	3.89
H 3032	160	140	93	190	28	-	5.21
H 3034	170	150	101	200	29	-	5.99
H 3036	180	160	109	210	30	-	6.83
H 3038	190	170	112	220	31	-	7.45
H 3040	200	180	120	240	32	-	9.19
H 3044	220	200	126	260	30	41	10.3
H 3048	240	220	133	290	34	46	13.2
H 3052	260	240	145	310	34	46	15.3
H 3056	280	260	152	330	38	50	17.7
H 3060	300	280	168	360	42	54	22.8
H 3064	320	300	171	380	42	55	24.6
H 3068	340	320	187	400	45	58	28.7
H 3072	360	340	188	420	45	58	30.5
H 3076	380	360	193	450	48	62	35.8
H 3080	400	380	210	470	52	66	41.3
H 3084	420	400	212	490	52	66	43.7
H 3088	440	410	228	520	60	77	65.2
H 3092	460	430	234	540	60	77	69.5
H 3096	480	450	237	560	60	77	73.3
H 3120	100	90	76	130	20	-	1.80
H 3122	110	100	81	145	21	-	2.25
H 3124	120	110	88	155	22	-	2.64
H 3126	130	115	92	165	23	-	3.66
H 3128	140	125	97	180	24	-	4.34
H 3130	150	135	111	195	26	-	5.52

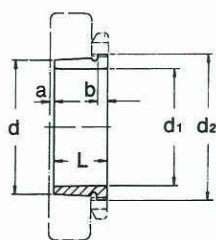
No.	d	d1	L	D	C	C1	Weight (kg)
H 3132	160	140	119	210	28	-	7.67
H 3134	170	150	122	220	29	-	8.38
H 3136	180	160	131	230	30	-	9.5
H 3138	190	170	141	240	31	-	10.8
H 3140	200	180	150	250	32	-	12.1
H 3144	220	200	161	280	35	-	14.7
H 3148	240	220	172	300	37	-	17.3
H 3152	260	240	190	330	39	-	22.0
H 3156	280	260	195	350	41	-	24.5
H 3160	300	280	208	380	40	53	30.2
H 3164	320	300	226	400	42	56	34.9
H 3168	340	320	254	440	55	72	49.5
H 3172	360	340	259	460	58	75	54.2
H 3176	380	360	264	490	60	77	61.7
H 3180	400	380	272	520	62	82	70.6
H 3184	420	400	304	540	70	90	84.2
H 3188	440	410	307	560	70	90	104
H 3192	460	430	326	580	75	95	116
H 3196	480	450	335	620	75	95	133
H 3260	300	280	240	380	40	53	34.1
H 3264	320	300	258	400	42	56	39.3
H 3268	340	320	288	440	55	72	54.6
H 3272	360	340	299	460	58	75	60.6
H 3276	380	360	310	490	60	77	69.6
H 3280	400	380	328	520	62	82	81.0
H 3284	420	400	352	540	70	90	94.0
H 3288	440	410	361	560	70	90	118
H 3292	460	430	382	580	75	95	132
H 3296	480	450	397	620	75	95	152

- H3044 and larger sizes are fitted with nut ANL44/HM3044 and washer ALL44/MS3044 and up.
- H3144 and larger sizes are fitted with nut AN44/HM3144 and up.
- H3160 and larger sizes are fitted with nut AL60/MS3160 and up.
- Larger size than H3296 is also available.

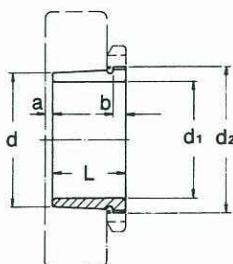
# Withdrawal Sleeves

**FSQ**

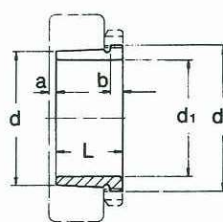
Series: **AH2**



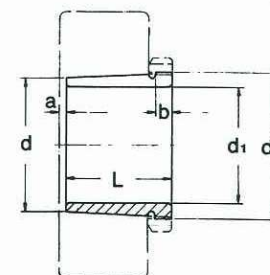
**AH3**



**AH23**



**AH30**



NO.	d	d1	L	b	a	d2	Weight (kg)
AH 208	40	35	25	6	2	M 45x1.5	0.081
AH 209	45	40	26	6	3	M 50x1.5	0.095
AH 210	50	45	28	7	3	M 55x2	0.114
AH 211	55	50	29	7	3	M 60x2	0.132
AH 212	60	55	32	8	3	M 65x2	0.161
AH 213	65	60	32.5	8	3.5	M 75x2	0.213
AH 214	70	65	33.5	8	3.5	M 80x2	0.240
AH 215	75	70	34.5	8	3.5	M 85x2	0.259
AH 216	80	75	35.5	8	3.5	M 90x2	0.284
AH 217	85	80	38.5	9	3.5	M 95x2	0.314
AH 218	90	85	40	9	4	M100x2	0.351
AH 219	95	90	43	10	4	M105x2	0.403
AH 220	100	95	45	10	4	M110x2	0.481
AH 222	110	105	50	11	4	M120x2	0.547
AH 224	120	115	53	12	4	M130x2	0.679
AH 226	130	125	53	12	4	M140x2	0.725
AH 228	140	135	56	13	5	M150x2	0.818
AH 230	150	145	60	14	5	M160x3	0.963
AH 232	160	150	64	15	5	M170x3	1.70
AH 234	170	160	69	16	5	M180x3	1.98
AH 236	180	170	69	16	5	M190x3	2.14
AH 238	190	180	73	17	5	Tr205x4	2.52
AH 240	200	190	77	18	5	Tr215x4	2.87
AH 244	220	200	85	18	6	Tr235x4	5.49
AH 248	240	220	96	22	6	Tr260x4	7.34
AH 252	260	240	105	23	6	Tr280x4	8.80
AH 256	280	260	105	23	8	Tr300x4	9.42
AH 308	40	35	29	6	3	M 45x1.5	0.090
AH 309	45	40	31	6	3	M 50x1.5	0.109
AHX 310	50	45	35	7	3	M 55x2	0.137
AHX 311	55	50	37	7	3	M 60x2	0.161
AHX 312	60	55	40	8	3	M 65x2	0.189
AH 313	65	60	42	8	3	M 75x2	0.253
AH 314	70	65	43	8	4	M 80x2	0.280
AH 315	75	70	45	8	4	M 85x2	0.313
AH 316	80	75	48	8	4	M 90x2	0.365
AHX 317	85	80	52	9	4	M 95x2	0.429
AHX 318	90	85	53	9	4	M100x2	0.461
AHX 319	95	90	57	10	4	M105x2	0.532
AHX 320	100	95	59	10	4	M110x2	0.582
AHX 322	110	105	63	12	4	M120x2	0.663
AHX 324	120	115	69	13	4	M130x2	0.866
AHX 326	130	125	74	14	4	M140x2	1.02
AHX 328	140	135	77	14	5	M150x2	1.16
AHX 330	150	145	83	15	5	M165x3	1.50
AH 332	160	150	88	16	5	M180x3	2.69
AH 334	170	160	93	17	5	M190x3	3.07
AH 2308	40	35	40	7	3	M 45x1.5	0.128
AH 2309	45	40	44	7	3	M 50x1.5	0.164

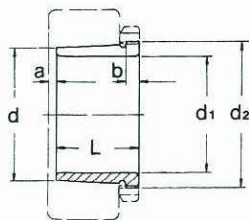
mm

NO.	d	d1	L	b	a	d2	Weight (kg)
AHX 2310	50	45	50	9	3	M 55x2	0.209
AHX 2311	55	50	54	10	3	M 60x2	0.253
AHX 2312	60	55	58	11	3	M 65x2	0.297
AH 2313	65	60	61	12	3	M 75x2	0.395
AHX 2314	70	65	64	12	4	M 80x2	0.466
AHX 2315	75	70	68	12	4	M 85x2	0.534
AHX 2316	80	75	71	12	4	M 90x2	0.597
AHX 2317	85	80	74	13	4	M 95x2	0.670
AHX 2318	90	85	79	14	4	M100x2	0.779
AHX 2319	95	90	85	16	4	M105x2	0.886
AHX 2320	100	95	90	16	4	M110x2	0.998
AHX 2322	110	105	98	16	4	M125x2	3.35
AHX 2324	120	115	105	17	4	M135x2	1.60
AHX 2326	130	125	115	19	4	M145x2	1.97
AHX 2328	140	135	125	20	5	M155x3	2.33
AHX 2330	150	145	135	24	5	M165x3	2.82
AH 2332	160	150	140	24	6	M180x3	4.72
AH 2334	170	160	146	24	6	M190x3	5.25
AH 2336	180	170	154	26	6	M200x3	5.83
AH 2338	190	180	160	26	7	Tr210x4	6.63
AH 2340	200	190	170	30	7	Tr220x4	7.54
AH 2344	220	200	181	30	8	Tr240x4	13.5
AH 2348	240	220	189	30	8	Tr260x4	15.5
AH 2352	260	240	205	30	8	Tr290x4	19.6
AH 2356	280	260	212	30	8	Tr310x5	21.6
AHX 3024	120	115	60	13	4	M130x2	0.750
AHX 3026	130	125	67	14	4	M140x2	0.930
AHX 3028	140	135	68	14	5	M150x2	1.01
AHX 3030	150	145	72	15	5	M160x3	1.15
AH 3032	160	150	77	16	5	M170x3	2.06
AH 3034	170	160	85	17	5	M180x3	2.43
AH 3036	180	170	92	17	6	M190x3	2.81
AH 3038	190	180	96	18	6	Tr205x4	3.32
AH 3040	200	190	102	19	6	Tr215x4	3.80
AH 3044	220	200	111	20	6	Tr235x4	7.40
AH 3048	240	220	116	21	7	Tr260x4	8.75
AH 3052	260	240	128	23	7	Tr280x4	10.7
AH 3056	280	260	131	24	8	Tr300x4	12.0
AH 3060	300	280	145	26	8	Tr320x5	14.4
AH 3064	320	300	149	27	8	Tr345x5	16.0
AH 3068	340	320	162	28	9	Tr365x5	19.5
AH 3072	360	340	167	30	9	Tr385x5	21.0
AH 3076	380	360	170	31	10	Tr410x5	23.2
AH 3080	400	380	183	33	10	Tr430x5	27.3
AH 3084	420	400	186	34	10	Tr450x5	29.0
AHX 3088	440	420	194	35	11	Tr470x5	32.0
AHX 3092	460	440	202	37	11	Tr490x5	35.2
AHX 3096	480	460	205	38	12	Tr520x6	39.2

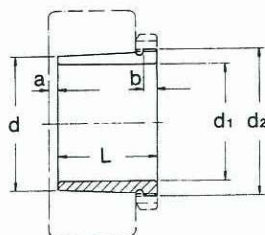
• Larger size is also available.



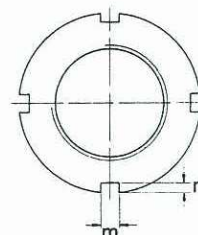
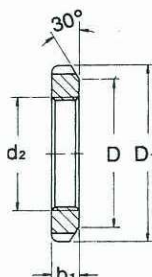
**Series: AH31**



**AH22, AH32**



**Series: AN/KM**



NO.	d	d1	L	b	a	d2	Weight (kg)
AHX 3120	100	95	64	11	4	M110x2	0.650
AHX 3122	110	105	68	11	4	M120x2	0.760
AHX 3124	120	115	75	12	4	M130x2	0.950
AHX 3126	130	125	78	12	4	M140x2	1.08
AHX 3128	140	135	83	14	5	M150x2	1.28
AHX 3130	150	145	96	15	5	M165x3	1.79
AH 3132	160	150	103	16	5	M180x3	3.21
AH 3134	170	160	104	16	5	M190x3	3.40
AH 3136	180	170	116	19	6	M200x3	4.22
AH 3138	190	180	125	20	6	Tr210x4	4.89
AH 3140	200	190	134	21	6	Tr220x4	5.49
AH 3144	220	200	145	23	6	Tr240x4	10.4
AH 3148	240	220	154	25	7	Tr260x4	12.0
AH 3152	260	240	172	26	7	Tr290x4	16.2
AH 3156	280	260	175	28	8	Tr310x5	17.5
AH 3160	300	280	192	30	8	Tr330x5	20.8
AH 3164	320	300	209	31	8	Tr350x5	24.5
AH 3168	340	320	225	33	9	Tr370x5	29.0
AH 3172	360	340	229	35	9	Tr400x5	33.0
AH 3176	380	360	232	36	10	Tr420x5	35.7
AH 3180	400	380	240	38	10	Tr440x5	39.5
AH 3184	420	400	266	40	10	Tr460x5	46.5
AHX 3188	440	420	270	42	11	Tr480x5	49.8
AHX 3192	460	440	285	43	11	Tr510x6	57.9
AHX 3196	480	460	295	45	12	Tr530x6	63.1
AHX 3218	90	85	63	10	4	M100x2	0.576
AHX 3219	95	90	67	11	4	M105x2	0.655
AHX 3220	100	95	73	11	4	M110x2	0.767
AHX 3222	110	105	82	11	4	M125x2	1.04
AHX 3224	120	115	90	13	4	M135x2	1.30
AHX 3226	130	125	98	15	4	M145x2	1.58
AHX 3228	140	135	104	15	5	M155x3	1.84
AHX 3230	150	145	114	17	5	M165x3	2.22
AH 3232	160	150	124	20	6	M180x3	4.08
AH 3234	170	160	134	24	6	M190x3	4.80
AH 3236	180	170	140	24	6	M200x3	5.32
AH 3238	190	180	145	25	7	Tr210x4	5.90
AH 3240	200	190	153	25	7	Tr220x4	6.68
AH 3260	300	280	228	34	8	Tr330x5	26.0
AH 3264	320	300	246	36	8	Tr350x5	30.6
AH 2236	180	170	105	17	5	M200x3	3.73
AH 2238	190	180	112	18	5	Tr210x4	4.25
AH 2240	200	190	118	19	5	Tr220x4	4.68
AH 2244	220	200	130	20	6	Tr240x4	9.10
AH 2248	240	220	144	21	6	Tr260x4	11.1
AH 2252	260	240	155	23	6	Tr290x4	14.0
AH 2256	280	260	155	24	8	Tr310x5	15.2
AH 2260	300	280	170	26	8	Tr330x5	18.1
AH 2264	320	300	180	27	10	Tr350x5	20.2

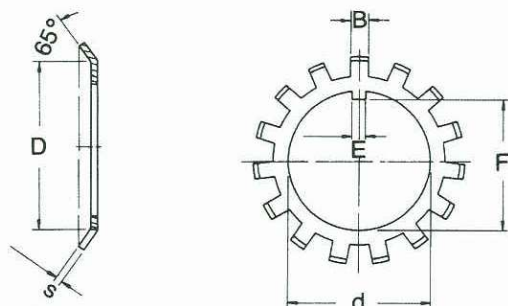
NO.	d2	D1	b1	D	m	n	Weight (kg)
AN/KM0	M 10x0.75	18	4	13.5	3	2	0.004
AN/KM1	M 12x1	22	4	17	3	2	0.007
AN/KM2	M 15x1	25	5	21	4	2	0.010
AN/KM3	M 17x1	28	5	24	4	2	0.013
AN/KM4	M 20x1	32	6	26	4	2	0.019
AN/KM5	M 25x1.5	38	7	32	5	2	0.025
AN/KM6	M 30x1.5	45	7	38	5	2	0.043
AN/KM7	M 35x1.5	52	8	44	5	2	0.053
AN/KM8	M 40x1.5	58	9	50	6	2.5	0.085
AN/KM9	M 45x1.5	65	10	56	6	2.5	0.119
AN/KM10	M 50x1.5	70	11	61	6	2.5	0.148
AN/KM11	M 55x2	75	11	67	7	3	0.158
AN/KM12	M 60x2	80	11	73	7	3	0.174
AN/KM13	M 65x2	85	12	79	7	3	0.203
AN/KM14	M 70x2	92	12	85	8	3.5	0.242
AN/KM15	M 75x2	98	13	90	8	3.5	0.287
AN/KM16	M 80x2	105	15	95	8	3.5	0.397
AN/KM17	M 85x2	110	16	102	8	3.5	0.451
AN/KM18	M 90x2	120	16	108	10	4	0.556
AN/KM19	M 95x2	125	17	113	10	4	0.658
AN/KM20	M100x2	130	18	120	10	4	0.698
AN/KM21	M105x2	140	18	126	12	5	0.845
AN/KM22	M110x2	145	19	133	12	5	0.965
AN/KM23	M115x2	150	19	137	12	5	1.01
AN/KM24	M120x2	155	20	138	12	5	1.08
AN/KM25	M125x2	160	21	148	12	5	1.19
AN/KM26	M130x2	165	21	149	12	5	1.25
AN/KM27	M135x2	175	22	160	14	6	1.55
AN/KM28	M140x2	180	22	160	14	6	1.56
AN/KM29	M145x2	190	24	172	14	6	1.80
AN/KM30	M150x2	195	24	171	14	6	2.03
AN/KM31	M155x3	200	25	182	16	7	2.30
AN/KM32	M160x3	210	25	182	16	7	2.59
AN/KM33	M165x3	210	26	193	16	7	2.70
AN/KM34	M170x3	220	26	193	16	7	2.80
AN/KM36	M180x3	230	27	203	18	8	3.07
AN/KM38	M190x3	240	28	214	18	8	3.39
AN/KM40	M200x3	250	29	226	18	8	3.69
ANL/KML24	M120x2	145	20	135	12	5	0.780
ANL/KML26	M130x2	155	21	145	12	5	0.880
ANL/KML28	M140x2	165	22	155	12	5	0.990
ANL/KML30	M150x2	180	24	170	14	5	1.38
ANL/KML32	M160x3	190	25	180	14	5	1.56
ANL/KML34	M170x3	200	26	190	16	5	1.72
ANL/KML36	M180x3	210	27	200	16	5	1.95
ANL/KML38	M190x3	220	28	210	16	5	2.08
ANL/KML40	M200x3	240	29	222	18	8	2.98

• Larger size is also available.

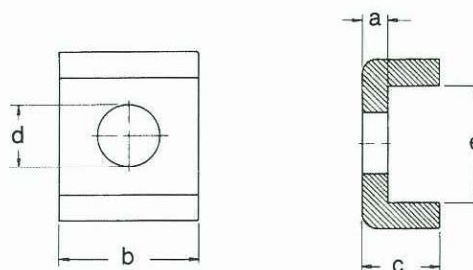


# Washer-Plate

## Series: AW/MB



## Series: AL/MS31, ALL/MS30



NO.	d	D	S	E	F	B	Weight (100/kg)
AW/MB0	10	13.5	1	3	8.5	3	0.131
AW/MB1	12	17	1	3	10.5	3	0.192
AW/MB2	15	21	1	4	13.5	4	0.253
AW/MB3	17	24	1	4	15.5	4	0.313
AW/MB4	20	26	1	4	18.5	4	0.350
AW/MB5	25	32	1.25	5	23	5	0.640
AW/MB6	30	38	1.25	5	27.5	5	0.780
AW/MB7	35	44	1.25	6	32.5	5	1.04
AW/MB8	40	50	1.25	6	37.5	6	1.23
AW/MB9	45	56	1.25	6	42.5	6	1.52
AW/MB10	50	61	1.25	6	47.5	6	1.60
AW/MB11	55	67	1.25	8	52.5	7	1.96
AW/MB12	60	73	1.5	8	57.5	7	2.53
AW/MB13	65	79	1.5	8	62.5	7	2.90
AW/MB14	70	85	1.5	8	66.5	8	3.34
AW/MB15	75	90	1.5	8	71.5	8	3.56
AW/MB16	80	95	1.75	10	76.5	8	4.64
AW/MB17	85	102	1.75	10	81.5	8	5.24
AW/MB18	90	108	1.75	10	86.5	10	6.23
AW/MB19	95	113	1.75	10	91.5	10	6.70
AW/MB20	100	120	1.75	12	96.5	10	7.65
AW/MB21	105	126	1.75	12	100.5	12	8.26
AW/MB22	110	133	1.75	12	105.5	12	9.40
AW/MB23	115	137	2	12	110.5	12	10.8
AW/MB24	120	138	2	14	115	12	10.5
AW/MB25	125	148	2	14	120	12	11.8
AW/MB26	130	149	2	14	125	12	11.3
AW/MB27	135	160	2	14	130	14	14.4
AW/MB28	140	160	2	16	135	14	14.2
AW/MB29	145	172	2	16	140	14	16.8
AW/MB30	150	171	2	16	145	14	15.5
AW/MB31	155	182	2.5	16	147.5	16	20.9
AW/MB32	160	182	2.5	18	154	16	22.2
AW/MB33	165	193	2.5	18	157.5	16	24.1
AW/MB34	170	193	2.5	18	164	16	24.7
AW/MB36	180	203	2.5	20	174	18	26.8
AW/MB38	190	214	2.5	20	184	18	27.8
AW/MB40	200	226	2.5	20	194	18	29.3
AW/MB44	220	250	3	24	213	20	40.0
AW/MB48	240	270	3	24	233	20	40.0
AW/MB52	260	300	3	28	253	24	60.0
AW/MB56	280	320	3	28	273	24	62.0

NO.	a	b	c	d	e	Weight (100/kg)
AL/MS3144	4	20	12	9	22.5	2.60
AL/MS3148	4	20	12	9	22.5	2.60
AL/MS3152	4	24	12	12	25.5	3.39
AL/MS3156	4	24	12	12	25.5	3.39
AL/MS3160	4	24	12	12	30.5	3.79
AL/MS3164	5	24	15	12	31	5.35
AL/MS3168	5	28	15	14	38	6.65
AL/MS3172	5	28	15	14	38	6.65
AL/MS3176	5	32	15	14	40	7.96
AL/MS3180	5	32	15	18	45	8.20
AL/MS3184	5	32	15	18	45	8.20
AL/MS3188	5	36	15	18	43	9.00
AL/MS3192	5	36	15	18	43	9.00
AL/MS3196	5	36	15	18	53	10.4
ALL/MS3044	4	20	12	7	13.5	2.12
ALL/MS3048	4	20	12	9	17.5	2.29
ALL/MS3052	4	20	12	9	17.5	2.29
ALL/MS3056	4	24	12	9	17.5	2.92
ALL/MS3060	4	24	12	9	20.5	3.16
ALL/MS3064	5	24	15	9	21	4.56
ALL/MS3068	5	24	15	9	21	4.56
ALL/MS3072	5	28	15	9	20	5.03
ALL/MS3076	5	28	15	12	24	5.28
ALL/MS3080	5	28	15	12	24	5.28
ALL/MS3084	5	32	15	12	24	6.11
ALL/MS3088	5	32	15	14	28	6.45
ALL/MS3092	5	32	15	14	28	6.45
ALL/MS3096	5	36	15	14	28	7.29

• Larger size is also available.