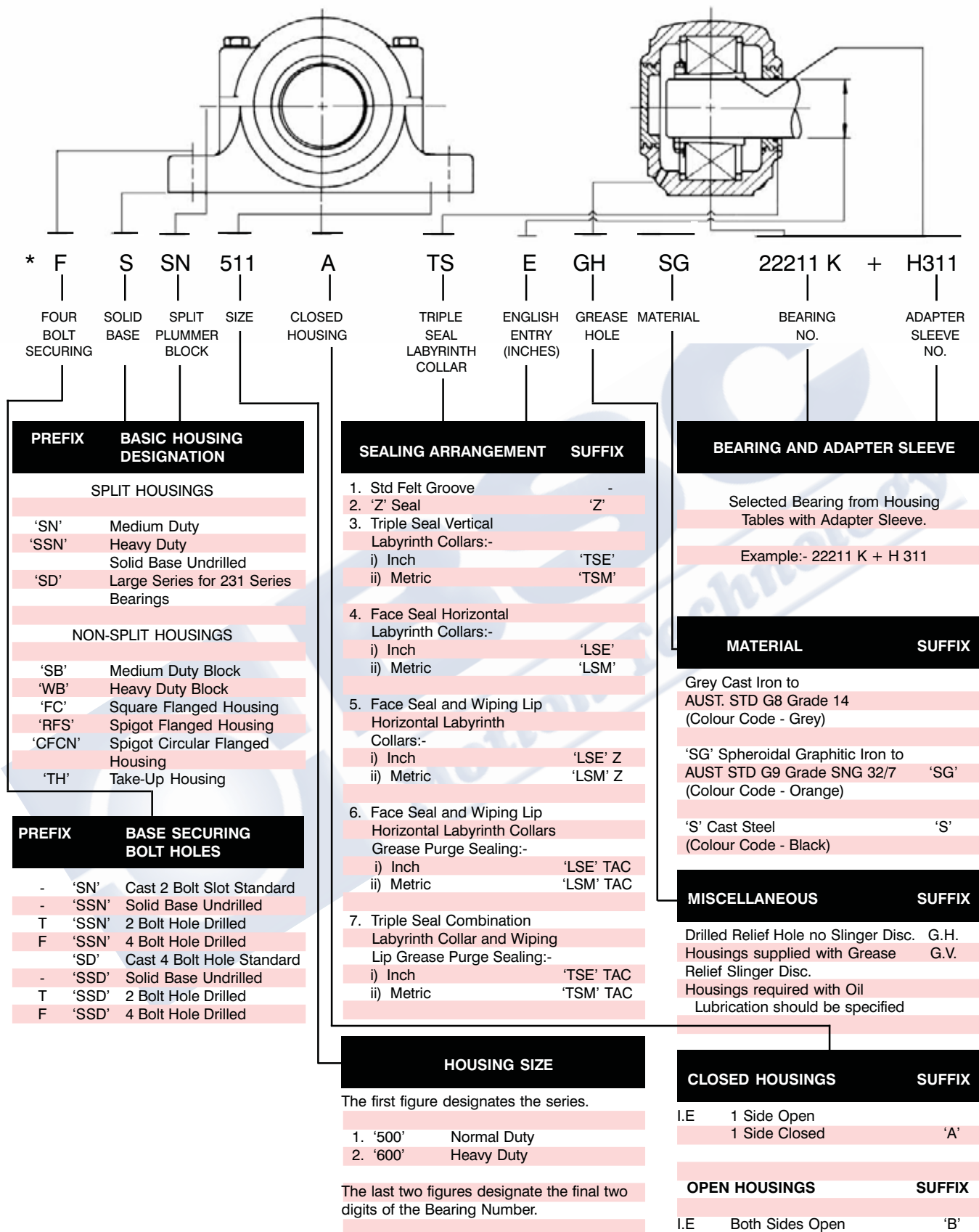


# Housings

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\* THIS SEQUENCE OF DESIGNATING SHOULD BE FOLLOWED WHEN ORDERING T.B.C. TRANSMISSION HOUSINGS.

### SNG - SSNG 500/600 SERIES SKF SERIES CHANGE TO BSC PART NUMBERS

SKF PART NUMBER	BSC PART NUMBER	OLD BSC PART NUMBER
TSNH511S	2 - 511TS Triple Labyrinth	511TSE/511TSM
ASNH511/609	1 - 511/619ATA Blanking Plate	1 - 511/619ATA Blanking Plate
TSNH511G - KIT	2 - 511U	1 - TSNA511G
TSNH611G	2 - 611U	1 - TSNA611G
TSNH511A - KIT	2 - 511TA/2-VA50	1 - TSNA511A
TSNH611A	2 - 611TA/2-VA50	1 - TSNA611A
ASNH511A	1 - SNA511/609	1 - SNA511/609
↑	1 - 511TA Plate	1 - TSNA511A
CLOSED TYPE	1 - VA50 V-Ring 1 - 511/609ATA Blanking Plate	1 - 511/609ATA Blanking Plate
SNH511TA	1 - SNA511/609 2 - 511TA Plate	1 - SNA511/609 1 - TSNA511A
OPEN TYPE	2 - VA50 V-Ring	
ASNH511G	1 - SNA511/609	1 - SNA511/609
↑	1 - 511U	1 - TSNA511G
CLOSED TYPE	1 - 511/609ATA Blanking Plate	1 - 511/609ATA Blanking Plate
SNH511TG	1 - SNA511/609 2 - 511U	1 - SNA511/609 1 - TSNA511G
OPEN TYPE		

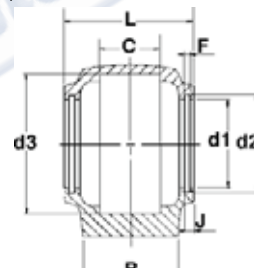
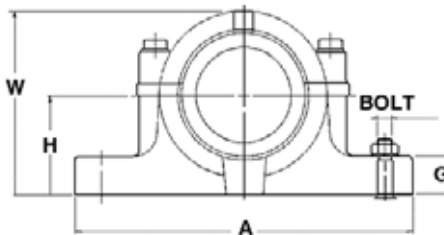
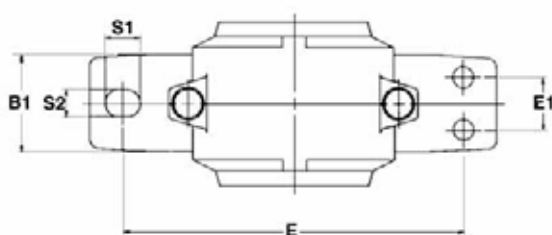
SKF PART NUMBER	BSC PART NUMBER	OLD BSC PART NUMBER
SNHD511ATS	1 - SNA511/609/SG 1 - 511TS Triple Labyrinth	1 - SNA511/609/SG 1 - 511TSE/511TSM
↑	SG Iron	
↑	Closed Type	
SNH511TS	1 - 511/609ATA Blanking Labyrinth	1 - 511/609ATA Blanking Labyrinth
	1 - SNA511/609 2 - 511TS Triple Labyrinth	1 - SNA511/609 2 - 511TS Triple Labyrinth
OPEN TYPE		
SNH511ATST	1 - SNA511/609 1 - 511TAC Tac Carrier	1 - SNA511/609 1 - 511TACM Metric OR - 511TACE Imperial
↑	A=CLOSED B=OPEN	
	1 - 511TS Labyrinth	
	1 - VA50 V-Ring	1 - 511/609ATA Blanking Plate
	1 - 511/609ATA Blanking Plate	
SSNHD511BTST	1 - SSNA511/609/SG 2 - 511TAC	1 - SSNA511/609/SG 1 - 511TACE Imperial OR - 511TACM Metric
SGIRON OPENTYPE	2 - 511TS	
TST=TACTONITE	2 - VA50	

NOTE: In the case of metric shaft sizes, the "M" may not be specified in the part number.

Eg. SNA511/609TACMA = SNA511/609TACA.

#### SUFFIX LEGEND:

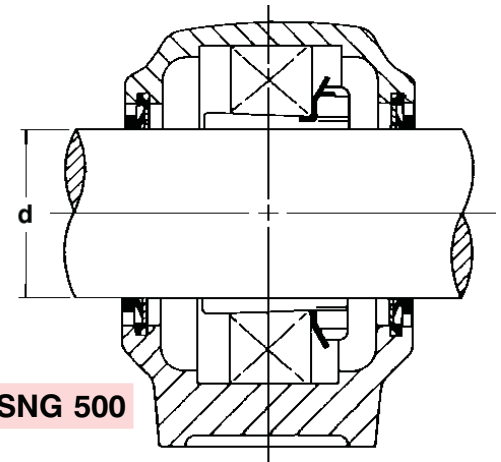
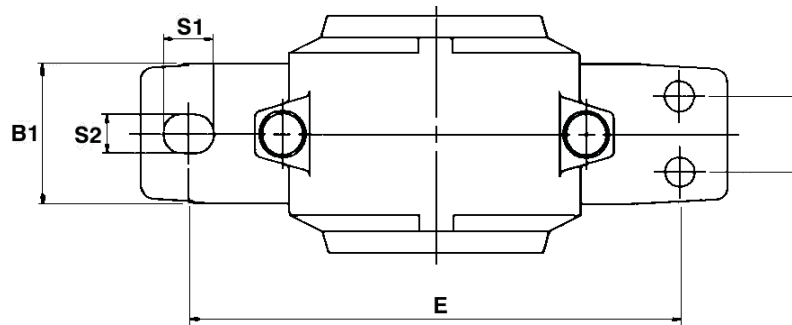
TA	TA PLATE & V-RING
TG	SPLIT U-LOK SEAL
TS	LABYRINTH SEAL
TST	V-RING TACTONITE SEAL
TC	SPLIT FELT SEAL - N/A



Housing No.	H	A	E	B	B1	S1	S2	G	W	L	d1	d2	J	F	C	d3	Bolt Dia. 2 B. 4 B	E1
SNG505	40	165	130	46	42	20	13	19	71	67	31.5	39.5	7.5	5	25	52	M10	
SNG506-605	50	185	150	52	45	22	13	22	87	77	36.5	44.5	7.5	5	32	62	M10	
SNG507-606	50	185	150	52	45	20	13	22	92	82	46.5	54.5	7.5	5	34	72	M10	
SNG508-607	60	205	170	60	50	20	15	25	106	85	51.5	59.5	7.5	5	39	80	M12	
SNG509	60	205	170	60	50	20	15	25	109	85	56.5	64.5	8.5	5	30	85	M12	
SNG510-608	60	205	170	60	50	20	15	25	112	90	62	70.5	8.5	5	41	90	M12	
SNG511-609	70	255	210	70	58	23	18	28	127	95	67	75.5	8.5	5	44	100	M16	M12 35
SNG512-610	70	255	210	70	60	23	18	30	133	105	72	80.5	8.5	5	48	110	M16	M12 35
SNG513-611	80	275	230	80	65	24	18	30	148	110	77	85.5	8.5	5	51	120	M16	M12 35
SNG515-612	80	280	230	80	65	26	18	30	154	115	87	95.5	8.5	5	56	130	M16	M12 40
SNG516-613	95	315	260	90	75	29	22	32	175	120	92.5	101	10.5	5	58	140	M20	M12 40
SNG517	95	320	260	90	75	30	22	32	181	125	97.5	106	10.5	5	61	150	M20	M12 50
SNG518-615	100	345	290	100	85	27	22	35	192	140	102.5	111	10.5	5	65	160	M20	M16 50
SNG519-616	112	345	290	100	85	27	22	35	209	145	131	141	11.5	6	68	170	M20	M16 50
SNG520-617	112	380	320	110	95	32	26	40	215	160	137.5	147.5	11.5	6	70	180	M24	M16 60
SNG522-619	125	410	350	120	100	32	26	45	239	175	147.5	157.5	11.5	6	80	200	M24	M16 70
SNG524-620	140	410	350	120	100	32	26	45	271	185	157.5	167.5	11.5	6	86	215	M24	M16 70
SNG526	150	445	380	130	110	35	28	50	290	190	167.5	177.5	13	6	90	230	M24	M20 70
SNG528	150	500	420	150	130	42	35	50	302	205	177.5	187.5	13	6	98	250	M30	M24 80
SNG530	160	530	450	160	140	42	35	60	323	220	192.5	202.5	13.5	6	106	270	M30	M24 90
SNG532	170	550	470	160	140	42	35	60	344	235	202.5	212.5	13.5	6	114	290	M30	M24 90

The above housings are applicable to both adapter mountings SNG500-SNG600 using K type taper bore bearings and SNG200-SNG300 using parallel bore bearings.

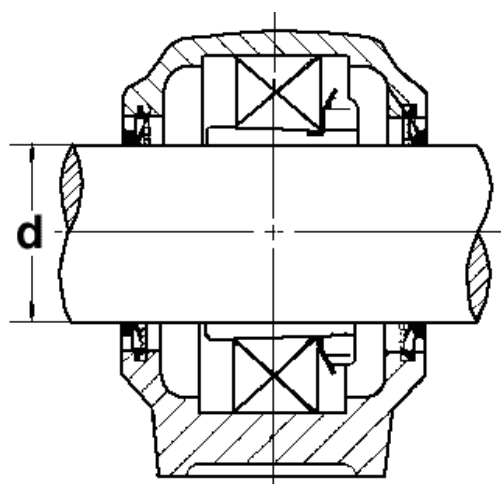
For SNG200-SNG300 adapter sleeve is not required. Standard housings are available in cast iron. SG Iron and steel housings to order.



**SNG 500**

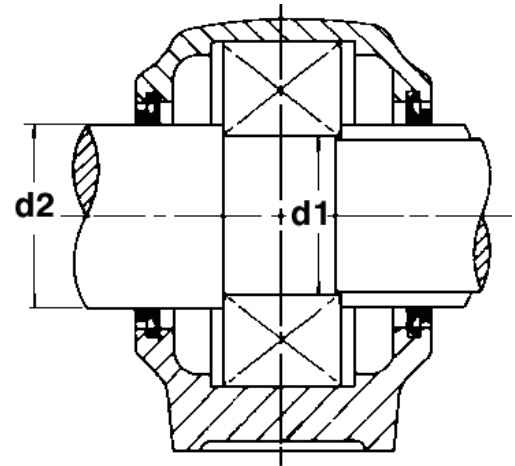
Shaft		Housing	Bearing	Adapter		Spacer Ring (SR)	Qty	Sealing Arrangements				
mm	inches			mm	inches			TA	ATA	TAC	TS	U
20	3/4	SNG505	1205K	H205	HE205	SR52 x 5	2	505TA	505ATA			505U
25	1	SNG506-605	1206K	H206	HE206	SR62 x 8	2	506TA	506ATA			506U
30	1-1/8	SNG507-606	1207K	H207	HE207	SR72 x 8.5	2	507TA	507ATA			507U
			22207K	H307	HE307	SR72 x 5.5	2	507TA	507ATA			507U
35	1-1/4	SNG508-607	1208K	H208	HE208	SR80 x 10.5	2	508TA	508ATA			508U
			22208K	H308	HE308	SR80 x 8	2	508TA	508ATA			508U
40	1-1/2	SNG509	1209K	H209	HE209	SR85 x 5.5	2	509TA	509ATA	509TAC	509TS	509U
			22209K	H309	HE309	SR85 x 7	1	509TA	509ATA	509TAC	509TS	509U
45	1-3/4	SNG510-608	1210K	H210	HE210	SR90 x 10.5	2	510TA	510ATA	510TAC	510TS	510U
			22210K	H310	HE310	SR90 x 9	2	510TA	510ATA	510TAC	510TS	510U
50	2	SNG511-609	1211K	H211	HE211	SR100 x 11.5	2	511TA	511ATA	511TAC	511TS	511U
			22211K	H311	HE311	SR100 x 9.5	2	511TA	511ATA	511TAC	511TS	511U
55	2-1/8	SNG512-610	1212K	H212	HE212	SR110 x 13	2	512TA	512ATA	512TAC	512TS	512U
			22212K	H312	HE312	SR110 x 10	2	512TA	512ATA	512TAC	512TS	512U
60	2-1/4	SNG513-611	1213K	H213	HE213	SR120 x 14	2	513TA	513ATA	513TAC	513TS	513U
			22213K	H313	HE313	SR120 x 10	2	513TA	513ATA	513TAC	513TS	513U
65	2-1/2	SNG515-612	1215K	H215	HE215	SR130 x 15.5	2	515TA	515ATA	515TAC	515TS	515U
			22215K	H315	HE315	SR130 x 12.5	2	515TA	515ATA	515TAC	515TS	515U
70	2-3/4	SNG516-613	1216K	H216	HE216	SR140 x 16	2	516TA	516ATA	516TAC	516TS	516U
			22216K	H316	HE316	SR140 x 12.5	2	516TA	516ATA	516TAC	516TS	516U
75	3	SNG517	1217K	H217	HE217	SR150 x 16.5	2	517TA	517ATA	517TAC	517TS	517U
			22217K	H317	HE317	SR150 x 12.5	2	517TA	517ATA	517TAC	517TS	517U
80	3-1/4	SNG518-615	1218K	H218	HE218	SR160 x 17.5	2	518TA	518ATA	518TAC	518TS	518U
			22218K	H318	HE318	SR160 x 12.5	2	518TA	518ATA	518TAC	518TS	518U
			23218K	H2318	HE2318	SR160 x 12.5	1	518TA	518ATA	518TAC	518TS	518U
85		SNG519-616	1219K	H219		SR170 x 18	2	519TA	519ATA	519TAC	519TS	519U
			22219K	H319		SR170 x 12.5	2	519TA	519ATA	519TAC	519TS	519U
90	3-1/2	SNG520-617	1220K	H220	HE220	SR180 x 18	2	520TA	520ATA	520TAC	520TS	520U
			22220K	H320	HE320	SR180 x 12	2	520TA	520ATA	520TAC	520TS	520U
			23220K	H2320	HE2320	SR180 x 9.7	1	520TA	520ATA	520TAC	520TS	520U
100	4	SNG522-619	1222K	H222	HE222	SR200 x 21	2	522TA	522ATA	522TAC	522TS	522U
			22222K	H322	HE322	SR200 x 13.5	2	522TA	522ATA	522TAC	522TS	522U
			23222K	H2322	HE2322	SR200 x 10.2	1	522TA	522ATA	522TAC	522TS	522U
110	4-1/4	SNG524-620	22224K	H3124	HE3124	SR215 x 14	2	524TA	524ATA	524TAC	524TS	524U
			23224K	H2324	HE2324	SR215 x 10	1	524TA	524ATA	524TAC	524TS	524U
115	4-1/2	SNG526	22226K	H3126	HE3126	SR230 x 13	2	526TA	526ATA	526TAC	526TS	526U
			23226K	H2326	HE2326	SR230 x 10	1	526TA	526ATA	526TAC	526TS	526U
125	5	SNG528	22228K	H3128	HE3128	SR250 x 15	2	528TA	528ATA	528TAC	528TS	528U
			23228K	H2328	HE2328	SR250 x 10	1	528TA	528ATA	528TAC	528TS	528U
135	5-1/4	SNG530	22230K	H3130	HE3130	SR270 x 16.5	2	530TA	530ATA	530TAC	530TS	530U
			23230K	H2330	HE2330	SR270 x 10	1	530TA	530ATA	530TAC	530TS	530U
140	5-1/2	SNG532	22232K	H3132	HE3132	SR290 x 17	2	532TA	532ATA	532TAC	532TS	532U
			23232K	H2332	HE2332	SR290 x 10	1	532TA	532ATA	532TAC	532TS	532U

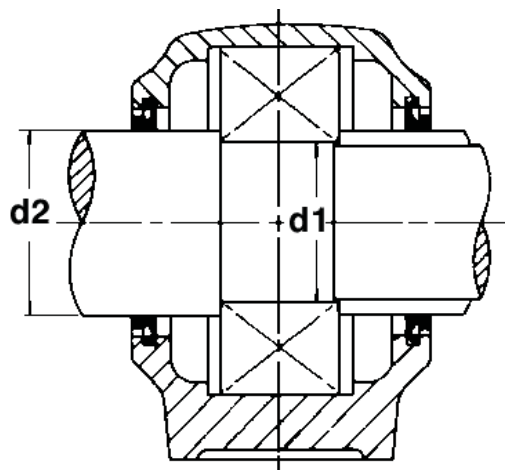




Shaft mm inches	Housing	Bearing	Adapter		Spacer Ring (SR)	Qty	Sealing Arrangements				
			mm	inches			TA	ATA	TAC	TS	U
20 3/4	SNG506/605	1305K	H305	HE305	62 x 7.5	2	605TA	605ATA			605U
		2305K	H2305	HE2305	62 x 8	1	605TA	605ATA			605U
25 1	SNG507/606	1306K	H306	HE306	70 x 7.5	2	606TA	606ATA			606U
		2306K	H2306	HE2306	72 x 7	1	606TA	606ATA			606U
30 1-1/8	SNG508/607	1307K	H307	HE307	80 x 9	2	607TA	607ATA			607U
		2307K	H2307	HE2307	80 x 8	1	607TA	607ATA			607U
35 1-1/4	SNG510/608	1308K	H308	HE308	90 x 9	2	608TA	608ATA			608U
		2308K	H2308	HE2308	90 x 8	1	608TA	608ATA			608U
		21308K	H308	HE308	90 x 9	2	608TA	608ATA			608U
		22308K	H2308	HE2308	90 x 8	1	608TA	608ATA			608U
40 1-1/2	SNG511/609	1309K	H309	HE309	100 x 9.5	2	609TA	609ATA	609TAC	609TS	609U
		2309K	H2309	HE2309	100 x 8	1	609TA	609ATA	609TAC	609TS	609U
		21309K	H309	HE309	100 x 9.5	2	609TA	609ATA	609TAC	609TS	609U
		22309K	H2309	HE2309	100 x 8	1	609TA	609ATA	609TAC	609TC	609U
45 1-3/4	SNG512/610	1310K	H310	HE310	110 x 10.5	2	610TA	610ATA	610TAC	610TS	610U
		2310K	H2310	HE2310	110 x 8	1	610TA	610ATA	610TAC	610TS	610U
		21310K	H310	HE310	110 x 10.5	2	610TA	610ATA	610TAC	610TS	610U
		22310K	H2310	HE2310	110 x 8	1	610TA	610ATA	610TAC	610TS	610U
50 2	SNG513/611	1311K	H311	HE311	120 x 11	2	611TA	611ATA	611TAC	611TS	611U
		2311K	H2311	HE2311	120 x 8	1	611TA	611ATA	611TAC	611TS	611U
		21311K	H311	HE311	120 x 11	2	611TA	611ATA	611TAC	611TS	611U
		22311K	H2311	HE2311	120 x 8	1	611TA	611ATA	611TAC	611TS	611U
55 2-1/8	SNG515/612	1312K	H312	HE312	130 x 12.5	2	612TA	612ATA	612TAC	612TS	612U
		2312K	H2312	HE2312	130 x 10	1	612TA	612ATA	612TAC	612TS	612U
		21312K	H312	HE312	130 x 12.5	2	612TA	612ATA	612TAC	612TS	612U
		22312K	H2312	HE2312	130 x 10	1	612TA	612ATA	612TAC	612TS	612U
60 2-1/4	SNG516/613	1313K	H313	HE313	140 x 12.5	2	613TA	613ATA	613TAC	613TS	613U
		2313K	H2313	HE2313	140 x 10	1	613TA	613ATA	613TAC	613TS	613U
		21313K	H313	HE313	140 x 12.5	2	613TA	613ATA	613TAC	613TS	613U
		22313K	H2313	HE2313	140 x 10	1	613TA	613ATA	613TAC	613TS	613U
65 2-1/2	SNG518/615	1315K	H315	HE315	160 x 14	2	615TA	615ATA	615TAC	615TS	615U
		2315K	H2315	HE2315	160 x 10	1	615TA	615ATA	615TAC	615TS	615U
		21315K	H315	HE315	160 x 14	2	615TA	615ATA	615TAC	615TS	615U
		22315K	H2315	HE2315	160 x 10	1	615TA	615ATA	615TAC	615TS	615U
70 2-3/4	SNG519/616	1316K	H316	HE316	170 x 14.5	2	616TA	616ATA	616TAC	616TS	616U
		2316K	H2316	HE2316	170 x 10	1	616TA	616ATA	616TAC	616TS	616U
		21316K	H316	HE316	170 x 14.5	2	616TA	616ATA	616TAC	616TS	616U
		22316K	H2316	HE2316	170 x 10	1	616TA	616ATA	616TAC	616TS	616U
75 3	SNG520/617	1317K	H317	HE317	180 x 14.5	2	617TA	617ATA	617TAC	617TS	617U
		2317K	H2317	HE2317	180 x 10	1	617TA	617ATA	617TAC	617TS	617U
		21317K	H317	HE317	180 x 14.5	2	617TA	617ATA	617TAC	617TS	617U
		22317K	H2317	HE2317	180 x 10	1	617TA	617ATA	617TAC	617TS	617U
85	SNG522/619	22319K	H2319		200 x 13	1	619TA	619ATA	619TAC	619TS	619U
90 3-1/2	SNG524/620	22320K	H2320	HE2320	215 x 13	1	620TA	620ATA	620TAC	620TS	620U

Shaft ø d1	Housing d2	Bearing	Spacer Ring (SR)	Qty	Basic Housing	Sealing Arrangement.	
						TA*	TC**
25	30	SNG205	1205	52 x 5	2	505	205TA 205TC
			2205	52 x 7	1		
			22205	52 x 7	1		
30	35	SNG206	1206	62 x 8	2	506-605	206TA 206TC
			2206	62 x 6	2		
			22206	62 x 6	2		
35	45	SNG207	1207	72 x 8.5	2	507-606	207TA 207TC
			2207	72 x 5.5	2		
			22207	72 x 5.5	2		
40	50	SNG208	1208	80 x 10.5	2	508-607	208TA 208TC
			2208	80 x 8	2		
			22208	80 x 8	2		
45	55	SNG209	1209	85 x 5.5	2	509	209TA 209TC
			2209	85 x 7	1		
			22209	85 x 7	1		
50	60	SNG210	1210	90 x 10.5	2	510-608	210TA 210TC
			2210	90 x 9	2		
			22210	90 x 9	2		
55	65	SNG211	1211	100 x 11.5	2	511-609	211TA 211TC
			2211	100 x 9.5	2		
			22211	100 x 9.5	2		
60	70	SNG212	1212	110 x 13	2	512-610	212TA 212TC
			2212	110 x 10	2		
			22212	110 x 10	2		
65	75	SNG213	1213	120 x 14	2	513-611	213TA 213TC
			2213	120 x 10	2		
			22213	120 x 10	2		
75	85	SNG215	1215	130 x 15.5	2	515-612	215TA 215TC
			2215	130 x 12.5	2		
			22215	130 x 12.5	2		
80	90	SNG216	1216	140 x 16	2	516-613	216TA 216TC
			2216	140 x 12.5	2		
			22216	140 x 12.5	2		
85	95	SNG217	1217	150 x 16.5	2	517	217TA 217TC
			2217	150 x 12.5	2		
			22217	150 x 12.5	2		
90	100	SNG218	1218	160 x 17.5	2	518-615	218TA 218TC
			2218	160 x 12.5	2		
			22218	160 x 12.5	2		
			23218	160 x 12.5	1		
95	105	SNG219	1219	170 x 18	2	519-616	219TA
			2219	170 x 12.5	2		
			22219	170 x 12.5	2		
			23219	170 x 12.5	2		
100	115	SNG220	1220	180 x 18	2	520-617	220TA
			2220	180 x 12	2		
			22220	180 x 12	2		
			23220	180 x 9.7	1		
110	125	SNG222	1222	200 x 21	2	522-619	222TA
			2222	200 x 13.5	2		
			22222	200 x 13.5	2		
			23222	200 x 10.2	1		
120	135	SNG224	22224	215 x 14	2	524-620	224TA
			23224	215 x 10	2		
130	145	SNG226	22226	230 x 13	2	526	226TA
			23226	230 x 10	1		
140	155	SNG228	22228	250 x 15	2	528	228TA
			23228	250 x 10	1		
150	165	SNG230	2230	270 x 16.5	2	530	230TA
			23230	270 x 10	1		
160	175	SNG232	22232	290 x 17	2	532	232TA
			23232	290 x 10	1		



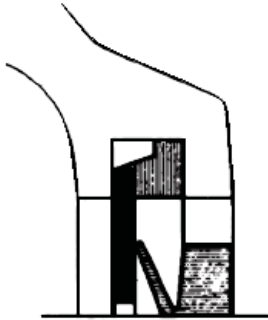


Shaft ø d1	Housing d2	Bearing	Spacer Ring (SR)	Qty	Basic Housing	Sealing Arr. TA*
40	50	SNG308	1308 90 x 9	2	510-608	308TA
			2308 90 x 8	1		
			21308 90 x 9	2		
			22308 90 x 8	1		
45	55	SNG309	1209 100 x 9.5	2	511-609	309TA
			2309 100 x 8	1		
			21309 100 x 9.5	2		
			22309 100 x 8	1		
50	60	SNG310	1310 110 x 10.5	2	512-610	310TA
			2310 110 x 8	1		
			21310 110 x 10.5	2		
			22310 110 x 8	1		
55	65	SNG311	1311 120 x 11	2	513-611	311TA
			2311 120 x 8	1		
			21311 120 x 11	2		
			22311 120 x 8	1		
60	70	SNG312	1312 130 x 12.5	2	515-612	312TA
			2312 130 x 10	1		
			21212 130 x 12.5	2		
			22312 130 x 10	1		
65	75	SNG313	1313 140 x 12.5	2	516-613	313TA
			2313 140 x 10	1		
			21313 140 x 12.5	2		
			22313 140 x 10	1		
70	80	SNG314	1314 150 x 13	2	517	314TA
			2314 150 x 10	1		
			21314 150 x 13	2		
			22314 150 x 10	1		
75	85	SNG315	1315 160 x 14	2	518-615	315TA
			2315 160 x 10	1		
			21315 160 x 14	2		
			22315 160 x 10	1		
80	90	SNG316	1316 170 x 14.5	2	519-616	316TA
			2316 170 x 10	1		
			21316 170 x 14.5	2		
			22316 170 x 10	1		
85	95	SNG317	1317 180 x 14.5	2	520-617	317TA
			2317 180 x 10	1		
			21317 180 x 14.5	2		
			22317 180 x 10	1		
95	110	SNG319	1319 200 x 17.5	2	522-619	319TA
			2319 200 x 13	1		
			21319 200 x 17.5	2		
			22319 200 x 13	1		
100	115	SNG320	1320 215 x 19.5	2	524-620	320TA
			2320 215 x 13	1		
			21320 215 x 19.5	2		
			22320 215 x 13	1		



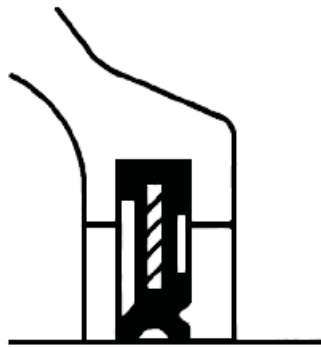
### Adapter Mounting (Taper Bore Bearings) SNG 505 - SNG 532      SNG 605 - SNG 620

#### V Ring Seal - TA "STANDARD" SEAL



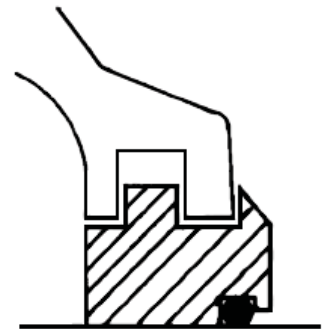
- Suits both Metric & Imperial shafts
- Does not wear shaft
- Max Temperature = 110 °C
- Speed = Low to High

#### U-Lok Seal - U SPLIT LIP SEAL



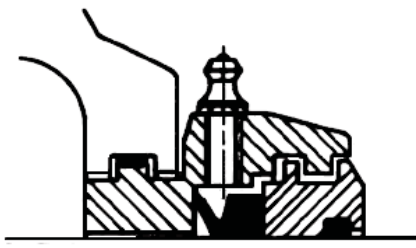
- Only available for Metric shafts
- Split construction, easy to fit
- Requires good shaft finish
- Lubricate between lips on assembly
- Max Temperature = 110 °C
- Speed = Low to High

#### Labyrinth Seal - TS HIGH SPEED SEAL



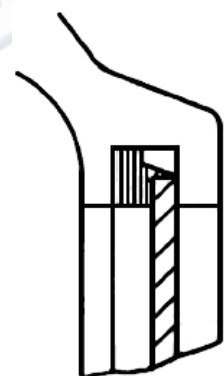
- Not recommended for low speed or wet applications
- Gives maximum speed capacity
- Gives maximum temperature capacity
- Must be lubricated on assembly

#### Taconite Seal - TAC THE ULTIMATE SEAL



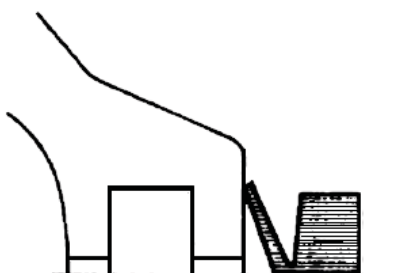
- Best seal in all applications
- Maximum temperature = 110 °C
- Speed = Low to High

#### Closing Plate - ATA

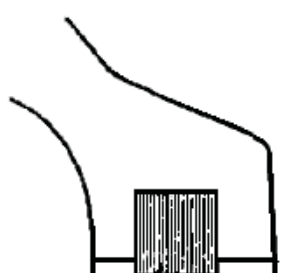


### Cylindrical Bore Mounting SNG 205 - SNG 218

#### V Ring Seal - TA

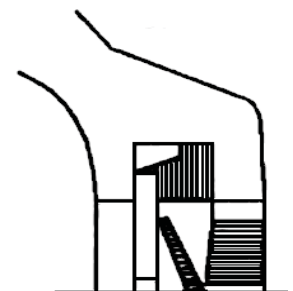


#### Felt Seal - TC



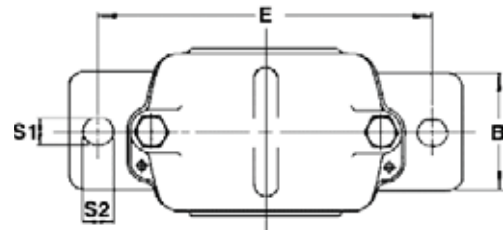
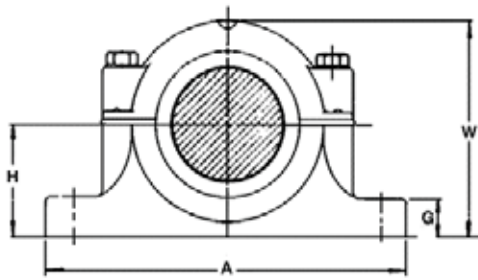
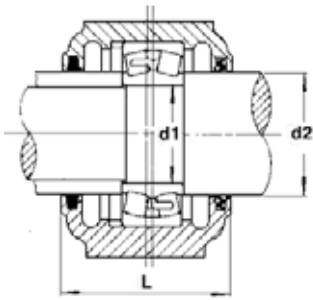
### Cylindrical Bore Mounting SNG 219 - SNG 232 SNG 308 - SNG 320

#### V Ring Seal - TA



# HOUSINGS

## Split Housings SN 200



Unit No.	Shaft Dia		Dimensions (mm)									Bolt Dia. 2 Bolt	Bearing No			Spacer Ring No (SR)	Qty	Wt SN2 Kg.
	d1	d2	H	A	E	B	S1	S2	G	W	L		Self Al. Ball	Spherical Brg	Roller Brg			
SN205	25	30	40	165	130	46	15	20	22	75	67	M12	1205 2205			52 x 5 52 x 7 52 x 7	2 1 1	1.1
SN206	30	35	50	185	150	52	15	20	22	90	77	M12	1206 2206			62 x 7 62 x 10 62 x 10	2 1 1	1.6
SN207	35	45	50	185	150	52	15	20	22	95	82	M12	1207 2207			72 x 8 72 x 10 72 x 10	2 1 1	1.9
SN208	40	50	60	205	170	60	15	20	25	110	85	M12	1208 2208			80 x 7.5 80 x 10 80 x 10	2 1 1	2.6
SN209	45	55	60	205	170	60	15	20	25	112	85	M12	1209 2209			85 x 6 85 x 8 85 x 8	2 1 1	2.8
SN210	50	60	60	205	170	60	15	20	25	115	90	M12	1210 2210			90 x 6.5 90 x 10 90 x 10	2 1 1	3.0
SN211	55	65	70	255	210	70	18	23	28	130	95	M16	1211 2211			100 x 6 100 x 8 100 x 8	2 1 1	4.0
SN212	60	70	70	255	210	70	18	23	30	135	105	M16	1212 2212			110 x 8 110 x 10 110 x 10	2 1 1	4.6
SN213	65	75	80	275	230	80	18	23	30	150	110	M16	1213 2213			120 x 10 120 x 12 120 x 12	2 1 1	5.4
SN215	75	85	80	280	230	80	18	23	30	155	115	M16	1215 2215			130 x 8 130 x 10 130 x 10	2 1 1	6.7
SN216	80	90	95	315	260	90	22	27	32	175	120	M20	1216 2216			140 x 8.5 140 x 10 140 x 10	2 1 1	8.5
SN217	85	95	95	320	260	90	22	27	32	185	125	M20	1217 2217			150 x 9 150 x 10 150 x 10	2 1 1	9.3
SN218	90	100	100	345	290	100	22	27	35	195	145	M20	1218 2218			160 x 16.2 160 x 11.2 160 x 11.2	2 2 2	1.8
SN220	100	115	112	380	320	110	26	32	40	218	160	M24	1220 2220			180 x 18.1 180 x 12.1 180 x 12.1	2 2 2	5.5
SN222	110	125	125	410	350	120	26	32	45	240	175	M24	1222 2222			200 x 21 200 x 13.5 200 x 13.5	2 2 2	9.8
SN224	120	135	140	410	350	120	26	32	45	270	185	M24	22224 23224			200 x 10 215 x 14 215 x 10	1 2 1	22.4
SN226	130	145	150	445	380	130	28	36	50	290	190	M24	22226 23226			230 x 13 230 x 10 230 x 10	2 1 1	28.3
SN228	140	155	150	500	420	150	33	42	50	305	205	M30	22228 23228			250 x 15 250 x 10 250 x 10	2 1 1	36.0
SN230	150	165	160	530	450	160	33	42	60	325	220	M30	22230 23230			270 x 16.5 270 x 10 270 x 10	2 1 1	43.1
SN232	160	175	170	550	470	160	33	42	60	345	235	M30	22232 23232			290 x 17 290 x 10 290 x 10	2 1 1	49.6

Unless specified "B" type open cover supplied. One housing per set should include spacer rings.

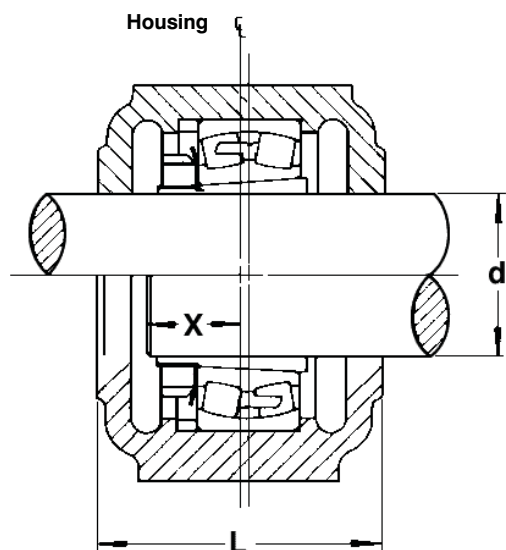
# HOUSINGS

## Split Housings SN 300

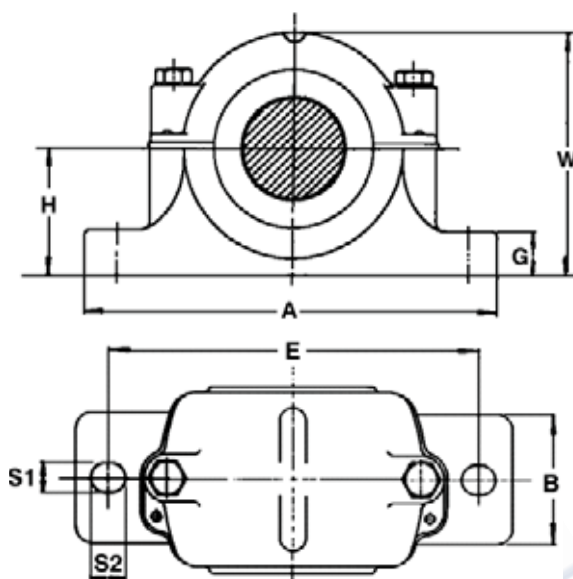
Unit No.	Shaft Dia		Dimensions (mm)										Bolt Dia. 2 Bolt	Bearing No			Spacer Ring		Wt SN2 Kg.
	d1	d2	H	A	E	B	S1	S2	G	W	L	Self Al. Ball Brg		Al. Spherical Roller Brg	No (SR)	Qty			
SN305	25	30	50	185	150	52	15	20	22	90	80	M12	1305 2305			62 x 8.5 62 x 10	2 1	1.6	
SN306	30	35	50	185	150	52	15	20	22	95	82	M12	1306 2306			72 x 9 72 x 10	2 1	1.8	
SN307	35	45	60	205	170	60	15	20	25	110	90	M12	1307 2307			80 x 10 80 x 10	2 1	2.6	
SN308	40	50	60	205	170	60	15	20	25	115	95	M12	1308 2308			90 x 10 90 x 10	2 1	2.9	
														21308 22308		90 x 10 90 x 10	2 1		
SN309	45	55	70	255	210	70	18	23	28	130	105	M16	1309 2309			100 x 10.5 100 x 10	2 1	4.1	
														21309 22309		100 x 10.5 100 x 10	2 1		
SN310	50	60	70	255	210	70	18	23	30	135	115	M16	1310 2310			110 x 11.5 110 x 10	2 2	4.7	
														21310 22310		110 x 11.5 110 x 10	2 1		
SN311	55	65	80	275	230	80	18	23	30	150	120	M16	1311 2311			120 x 12 120 x 10	2 1	5.8	
														21311 22311		120 x 12 120 x 10	2 1		
SN312	60	70	80	280	230	80	18	23	30	155	125	M16	1312 2312			130 x 12.5 130 x 10	2 1	6.5	
														21312 22312		130 x 12.5 130 x 10	2 1		
SN313	65	75	95	315	260	90	22	27	32	175	130	M20	1313 2313			140 x 12.5 140 x 10	2 1	8.7	
														21313 22313		140 x 12.5 140 x 10	2 1		
SN315	75	85	100	345	290	100	22	27	35	195	140	M20	1315 2315			160 x 14 160 x 10	2 1	11.3	
														21315 22315		160 x 14 160 x 10	2 1		
SN316	80	90	112	345	290	100	22	27	35	212	145	M20	1316 2316			170 x 14.5 170 x 10	2 1	12.6	
														21316 22316		170 x 24.5 170 x 10	2 1		
SN317	85	95	112	380	320	110	26	32	40	218	155	M24	1317 2317			180 x 14.5 180 x 10	2 1	15.0	
														21317 22317		180 x 14.5 180 x 10	2 1		
SN318	90	100	112	400	320	110	26	35	33	230	160	M24	1318 2318			190 x 15.3 190 x 9.5	2 1	22.0	
														21318 22318		190 x 15.3 190 x 9.5	2 1		
SN319	95	110	125	420	350	120	26	35	36	245	170	M24	1319 2319			200 x 15.8 200 x 9.5	2 1	26.3	
														21319 22319		200 x 15.8 200 x 9.5	2 1		
SN320	100	115	140	420	350	120	26	35	38	280	175	M24	1320 2320			215 x 17.8 215 x 9.5	2 1	31.5	
														21320 22320		215 x 17.8 215 x 9.5	2 1		
SN322	110	125	150	460	390	130	28	38	40	300	190	M24	1322 2322			240 x 19.8 240 x 9.5	2 1	42	
														21322 22322		240 x 19.8 240 x 9.5	2 1		
SN324	120	135	160	540	450	160	33	42	50	325	205	M30		22324		260 x 9.5	1	60.9	
SN326	130	150	170	560	470	160	33	42	50	350	215	M30		22326		280 x 9.5	1	68.2	
SN328	140	160	180	630	520	170	35	45	55	375	235	M30		22328		300 x 9.5	1	94.5	
SN330	150	170	190	680	560	180	35	45	55	395	245	M30		22330		320 x 9.5	1	105.0	
SN332	160	180	200	710	580	190	42	52	60	415	255	M36		22332		340 x 9.5	1	126.0	

Unless specified 'B' type open cover supplied. One housing per set should include spacer rings.

### Series **SN 500**



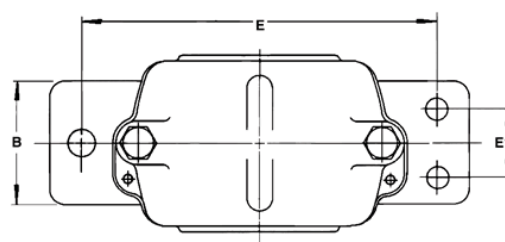
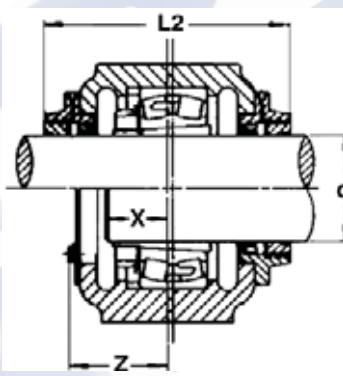
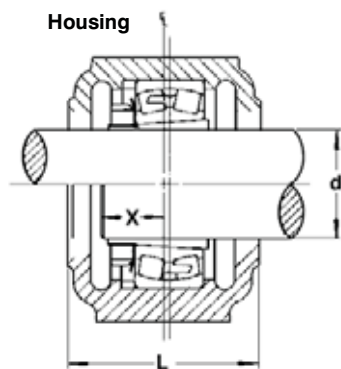
Felt Seal Standard on SN Housings



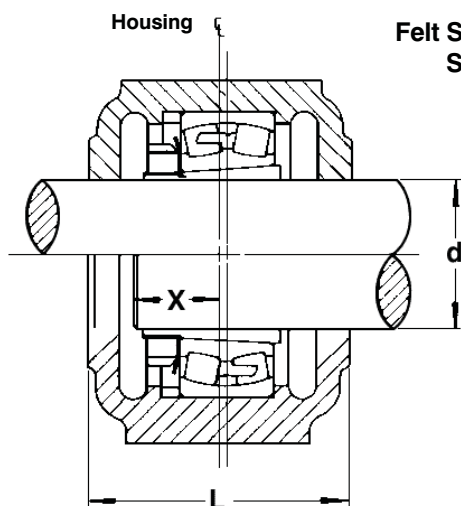
### Series **SN 500**

Labyrinth 'TS' Seal Standard on SSN Housings.

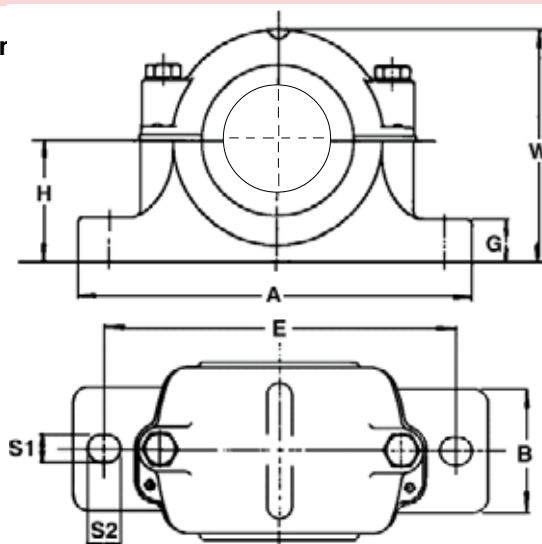
TS Taconite Seal Available Against Order; Specify 2 or 4 Bolt Holes. Base can also be supplied blank if required.



### Series **SN 500**



Felt Seal Standard on SN Housings



# HOUSINGS

## Split Housings SN 500 Medium

Unit No.	Shaft Dia. d (in) (mm)		Dimensions (mm)														Bolt Dia.		Bearing No. Self Al. Ball	Adapt. Sleeve No. Metric Inch	Spacer Ring No. (SR)	Qty	Hsg Wt. SN SSN (Kg.)			
			H	A	E	B	S1	S2	G	W	L	L1	L2	Z	X	E1	2B.	4B.								
SN504	1/2	17	35	150	115	45	12	20	19	70	66	69		16		M10		1204K		H204	HE204	47 x 5	2			
SN505	3/4	20	40	165	130	46	15	20	22	75	67	70		17	25	M12	M8	1205K 2205K		H205 H305	HE205 HE305	52 x 5 52 x 7	2 1	1.1		
																		22205K	H305	HE305	52 x 7	1				
SN506	1	25	50	185	150	52	15	20	22	90	77	80		18	25	M12	M10	1206K 2206K		H206 H306	HS206 HS306	62 x 7 62 x 10	2 1	1.6		
																		22206K	H306	HS306	62 x 10	1				
SN507	1-1/8	30	50	185	150	52	15	20	22	95	82	85		21	25	M12	M10	1207K 2207K		H207 H307	HE207 HE307	72 x 8 72 x 10	2 1	1.9		
																		22207K	H307	HE307	72 x 10	1				
SN508	1-1/4	35	60	205	170	60	15	20	25	110	85	90		22	30	M12	M10	1208K 2208K		H208 H308	HE208 HE308	80 x 7.5 80 x 10	2 1	2.6		
																		22208K	H308	HE308	80 x 10	1				
SN509	1-1/2	40	60	205	170	60	15	20	25	112	85	90	148	48	23	30	M12	M10	1209K 2209K		H209 H309	HE209 HE309	85 x 6 85 x 8	2 1	2.8	4.2
																		22209K	H309	HE309	85 x 8	1				
SN510	1-3/4	45	60	205	170	60	15	20	25	115	90	95	154	50	24	30	M12	M10	1210K 2210K		H210 H310	HE210 HE310	90 x 6.5 90 x 10	2 1	3	4.5
																		22210K	H310	HE310	90 x 10	1				
SN511	2	50	70	255	210	70	18	23	28	130	95	100	160	54	25	35	M16	M12	1211K 2211K		H211 H311	HE211 HE311	100 x 6 100 x 8	2 1	4	6.5
																		22211K	H311	HE311	100 x 8	1				
SN512	2-1/8	55	70	255	210	70	18	23	30	135	105	110	172	62	27	35	M16	M12	1212K 2212K		H212 H312	HE212 HE312	110 x 8 110 x 10	2 1	4.6	7.2
																		22212K	H312	HE312	110 x 10	1				
SN513	2-1/4	60	80	275	230	80	18	23	30	150	110	115	172	62	30	40	M16	M12	1213K 2213K		H213 H313	HE213 HE313	120 x 10 120 x 12	2 1	5.4	8.0
																		22213K	H313	HE313	120 x 12	1				
SN515	2-1/2	65	80	280	230	80	18	23	30	155	115	120	182	68	31	40	M16	M12	1215K 2215K		H215 H315	HE215 HE315	130 x 8 130 x 10	2 1	6.7	9
																		22215K	H315	HE315	130 x 10	1				
SN516	2-3/4	70	95	315	260	90	22	27	32	175	120	125	184	68	34	50	M20	M12	1216K 2216K		H216 H316	HE216 HE316	140 x 8.5 140 x 10	2 1	8.5	13
																		22216K	H316	HE316	140 x 10	1				
SN517	3	75	95	320	260	90	22	27	32	185	125	130	184	70	36	50	M20	M12	1217K 2217K		H217 H317	HE217 HE317	150 x 9 150 x 10	2 1	9.3	14
																		22217K	H317	HE317	150 x 10	1				
SN518	3-1/4	80	100	345	290	100	22	27	35	195	145	150	204	81	45	50	M20	M16	1218K 2218K		H218 H318	HE218 HE318	160 x 16.2 160 x 11.2	2 2	11.8	18
																		22218K	H318	HE318	160 x 11.2	2				
																		23218K	H2318	HE2318	160 x 10	1				
SN520	3-1/2	90	112	380	320	110	26	32	40	218	160	165	224	90	51	60	M24	M16	1220K 2220K		H220 H320	HE220 HE320	180 x 8.1 180 x 12.1	2 2	15.5	24
																		22220K	H320	HE320	180 x 12.1	2				
																		23220K	H2320	HE2320	180 x 10	1				
SN522	4	100	125	410	350	120	26	32	45	240	175	180	232	92	56	70	M24	M16	1222K 2222K		H222 H322	HE222 HE322	200 x 21 200 x 13.5	2 2	19.8	28
																		22222K	H322	HE322	200 x 13.5	2				
																		23222K	H2322	HE2322	200 x 10	1				
SN524	4-1/4	110	140	410	350	120	26	32	45	270	185	190	248	95	60	70	M24	M16	22224K	H3124	HE3124	215 x 14	2	22.4	34	
																		23224K	H2324	HE2324	215 x 10	1				
SN526	4-1/2	115	150	445	380	130	28	36	50	290	190	195	268	100	63	70	M24	M20	22226K	H3126	HE3126	230 x 13	2	28.3	42	
																		23226K	H2326	HE2326	230 x 10	1				
SN528	5	125	150	500	420	150	33	42	50	305	205	210	286	108	68	80	M30	M24	22228K	H3128	HE3128	250 x 15	2	36	52	
																		23228K	H2328	HE2328	250 x 10	1				
SN530	5-1/4	135	160	530	450	160	33	42	60	325	220	225	304	113	74	90	M30	M24	22230K	H3130	HE3130	270 x 16.5	2	43.1	60	
																		23230K	H2330	HE2330	270 x 10	1				
SN532	5-1/2	140	170	550	470	160	33	42	60	345	235	240	320	122	80	90	M30	M24	22232K	H3132	HE3132	290 x 17	2	49.6	72	
																		23232K	H2332	HE2332	290 x 10	1				

Unless specified "B" type open housings supplied.

One housing per set should include spacer rings.

Unit No.	Shaft Dia. d (in) (mm)	Dimensions (mm)															Bolt Dia.		Bearing No.		Adapt. Sleeve No.		Spacer Ring		Hsg. Wt.	
		H	A	E	B	S1	S2	G	W	L	L1	L2	Z	X	E1	2B.	4B.	Self Al. Ball	Spher. Roller	Metric	Inch	No. (SR)	Qty	SN	SSN (Kg.)	
SSN509	1-1/2	40	60	205	170	60	15	20	25	112	85	90	148	48	23	30	M12	M10	1209K 2209K		H209 H309	HE209 HE309	85x6 85x8	2 1	2.8	4.2
SSN510	1-3/4	45	60	205	170	60	15	20	25	115	90	95	154	50	24	30	M12	M10	1210K 2210K		H210 H310	HE210 HE310	90x6.5 90x10	2 1	3	4.5
																				22210K	H310	HE310	90x10	1		
SSN511	2	50	70	255	210	70	18	23	28	130	95	100	160	54	25	35	M16	M12	1211K 2211K		H211 H311	HE211 HE311	100x6 100x8	2 1	4	6.5
SSN512	2-1/8	55	70	255	210	70	18	23	30	135	105	110	172	62	27	35	M16	M12	1212K 2212K		H212 H312	HE212 HE312	110x8 110x10	2 1	4.6	7.2
																				22212K	H312	HE312	110x10	1		
SSN513	2-1/4	60	80	275	230	80	18	23	30	150	110	115	172	62	30	40	M16	M12	1213K 2213K		H213 H313	HE213 HE313	120x10 120x12	2 1	5.4	8.0
SSN515	2-1/2	65	80	280	230	80	18	23	30	155	115	120	182	68	31	40	M16	M12	1215K 2215K		H215 H315	HE215 HE315	130x8 130x10	2 1	6.7	9
																				22215K	H315	HE315	130x10	1		
SSN516	2-3/4	70	95	315	260	90	22	27	32	175	120	125	184	68	34	50	M20	M12	1216K 2216K		H216 H316	HE216 HE316	140x8.5 140x10	2 1	8.5	13
SSN517	3	75	95	320	260	90	22	27	32	185	125	130	184	70	36	50	M20	M12	1217K 2217K		H217 H317	HE217 HE317	150x9 150x10	2 1	9.3	14
																				22217K	H317	HE317	150x10	1		
SSN518	3-1/4	80	100	345	290	100	22	27	35	195	145	150	204	81	45	50	M20	M16	1218K 2218K		H218 H318	HE218 HE318	160x16.2 160x11.2	2 2	11.8	18
SSN520	3-1/2	90	112	380	320	110	26	32	40	218	160	165	224	90	51	60	M24	M16	1220K 2220K		H218 H318	HE218 HE318	160x10	2		
																				23218K	H2318	HE2318	160x10	1		
SSN522	4	100	125	410	350	120	26	32	45	240	175	180	232	92	56	70	M24	M16	1222K 2222K		H222 H322	HE222 HE322	200x21 200x13.5	2 2	19.8	28
SSN524	4-1/4	110	140	410	350	120	26	32	45	270	185	190	248	95	60	70	M24	M16	2222K 2222K		H222 H322	HE222 HE322	200x13.5	2		
																				23222K	H2322	HE2322	200x10	1		
SSN526	4-1/2	115	150	445	380	130	28	36	50	290	190	195	268	100	63	70	M24	M20	22226K 23226K	H3126 H2326	HE3126 HE2326	230x13 230x10	2 1	28.3	42	
SSN528	5	125	150	500	420	150	33	42	50	305	205	210	286	108	68	80	M30	M24	22228K 23228K	H3128 H2328	HE3128 HE2328	250x15 250x10	2 1	36	52	
SSN530	5-1/4	135	160	530	450	160	33	42	60	325	220	225	304	113	74	90	M30	M24	22230K 23230K	H3130 H2330	HE3130 HE2330	270x16.5 270x10	2 1	43.1	60	
SSN532	5-1/2	140	170	550	470	160	33	42	60	345	235	240	320	122	80	90	M30	M24	22232K 23232K	H3132 H2332	HE3132 HE2332	290x17 290x10	2 1	49.6	72	

Unless specified "B" type open housings supplied.  
One housing per set should include spacer rings.



# HOUSINGS

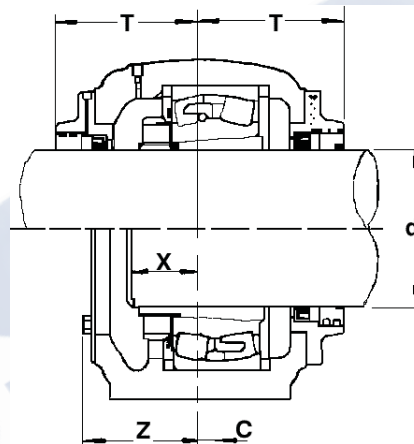
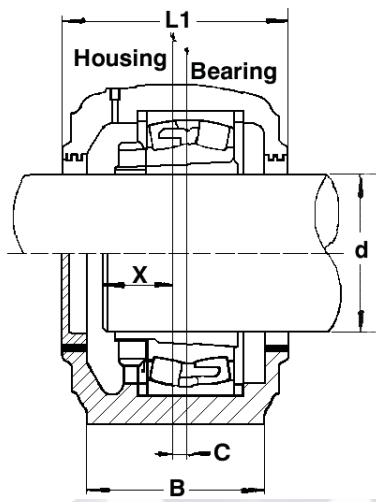
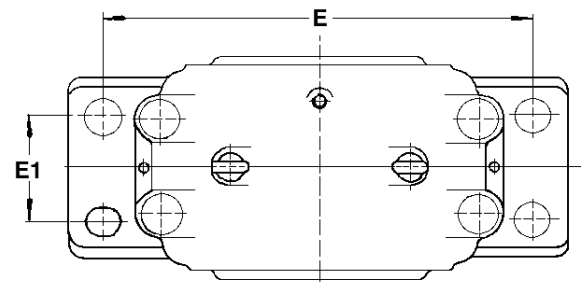
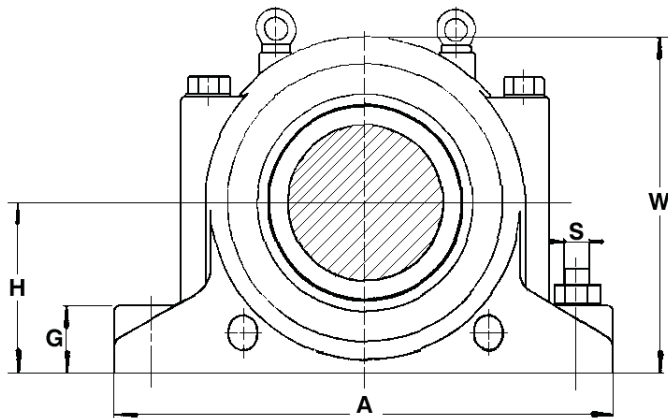
## Split Housings SN 600 Heavy Duty

Unit No.	Shaft Dia. d (in) (mm)	Dimensions (mm)													Bolt Dia.		Bearing No.		Adapt. Sleeve No.		Spacer Ring No. (SR)	Ring Q	Wt. (Kg.) SN6
		H	A	E	B	S1	S2	G	W	L	L1	X	E1	2 B.	4 B.	Ball	Roller	Metric	Inch				
SN605	3/4	20	50	185	150	52	15	20	22	90	80	83	27	25	M12	M10	1305K 2305K		H305 H2305	HE305 HE2305	62 x 8.5 62 x 10	2 1	1.6
SN606	1	25	50	185	150	52	15	20	22	95	82	85	27	25	M12	M10	1306K 2306K		H306 H2306	HE306 HE2306	72 x 9 72 x 10	2 1	1.8
SN607	1-1/8	30	60	205	170	60	15	20	25	110	90	93	32	30	M12	M10	1307K 2307K		H307 H2307	HS307 HS2307	80 x 10 80 x 10	2 1	2.6
SN608	1-1/4	35	60	205	170	60	15	20	25	115	95	100	34	30	M12	M10	1308K 2308K		H308 H2308	HE308 HE2308	90 x 10 90 x 10	2 1	2.9
																	21308K 22308K	H2308 H2308	HE2308 HE2308	90 x 10 90 x 10	1 2		
SN609	1-1/2	40	70	255	210	70	18	23	28	130	105	110	36	35	M16	M12	1309K 2309K 21309K 22309K		H309 H2309 H309 H2309	HE309 HE2309 HE309 HE2309	100 x 10.5 100 x 10 100 x 10.5 100 x 10	2 1 2 1	4.1
SN610	1-3/4	45	70	255	210	70	18	23	30	135	115	120	39	35	M16	M12	1310K 2310K		H310 H2310	HE310 HE2310	110 x 11.5 110 x 10	2 1	4.7
																	21310K 22310K	H310 H2310	HE310 HE2310	110 x 11.5 110 x 10	2 1		
SN611	2	50	80	275	230	80	18	23	30	150	120	125	40	40	M16	M12	1311K 2311K		H311 H2311	HE311 HE2311	120 x 12 120 x 10	2 1	5.8
																	21311K 22311K	H311 H2311	HE311 HE2311	120 x 12 120 x 10	2 1		
SN612	2-1/8	55	80	280	230	80	18	23	30	155	125	130	44	40	M16	M12	1312K 2312K		H312 H2312	HE312 HE2312	130 x 12.5 130 x 10	2 1	6.5
																	21312K 22312K	H312 H2312	HE312 HE2312	130 x 12.5 130 x 10	2 1		
SN613	2-1/4	60	95	315	260	90	22	27	32	175	130	135	46	50	M20	M12	1313K 2313K		H313 H2313	HS313 HS2313	140 x 12.5 140 x 10	2 1	8.7
																	21313K 22313K	H313 H2313	HS313 HS2313	140 x 12.5 140 x 10	2 1		
SN615	2-1/2	65	100	345	290	100	22	27	35	195	140	145	51	50	M20	M16	1315K 2315K		H315 H2315	HE315 HE2315	160 x 14 160 x 10	2 1	11.3
																	21315K 22315K	H315 H2315	HE315 HE2315	160 x 14 160 x 10	2 1		
SN616	2-3/4	70	112	345	290	100	22	27	35	212	145	150	52	50	M20	M16	1316K 2316K		H316 H2316	HE316 HE2316	170 x 14.5 170 x 10	2 1	12.6
																	21316K 22316K	H316 H2316	HE316 HE2316	170 x 24.5 170 x 10	2 1		
SN617	3	75	112	380	320	110	26	32	40	218	155	160	56	60	M24	M16	1317K 2317K		H317 H2317	HE317 HE2317	180 x 14.5 180 x 10	2 1	15.0
																	21317K 22317K	H317 H2317	HE317 HE2317	180 x 14.5 180 x 10	2 1		
SN618	3-1/4	80	112	400	320	110	26	35	33	230	160	165	58	60	M24	M16	1318K 2318K		H318 H2318	HE318 HE2318	190 x 15.3 190 x 9.5	2 1	22
																	21318K 22318K	H318 H2318	HE318 HE2318	190 x 15.3 190 x 9.5	2 1		
SN619		85	125	420	350	120	26	35	36	245	170	175	60	70	M24	M16	1319K 2319K		H319 H2319		200 x 15.8 200 x 9.5	2 1	26.3
																	21319K 22319K	H319 H2319		200 x 15.8 200 x 9.5	2 1		
SN620	3-1/2	90	140	420	350	120	26	35	38	280	175	180	64	70	M24	M16	1320K 2320K		H320 H2320	HE320 HE2320	215 x 17.8 215 x 9.5	2 1	31.5
																	21320K 22320K	H320 H2320	HE320 HE2320	215 x 17.8 215 x 9.5	2 1		
SN622	4	100	150	460	390	130	28	38	40	300	190	195	69	70	M24	M16	1322K 2322K		H322 H2322	HE322 HE2322	240 x 19.8 240 x 9.5	2 1	42
																	21322K 22322K	H322 H2322	HE322 HE2322	240 x 19.8 240 x 9.5	2 1		
SN624	4-1/4	110	160	540	450	160	33	42	50	325	205	210	73	90	M30	M20		22324K	H2324	HE2324	260 x 9.5	1	60.9
SN626	4-1/2	115	170	560	470	160	33	42	50	350	215	220	77	90	M30	M20		22326K	H2326	HE2326	280 x 9.5	1	68.2
SN628	5	125	180	630	520	170	35	45	55	375	235	240	83	90	M30	M20		22328K	H2328	HE2328	300 x 9.5	1	94.5
SN630	5-1/4	135	190	680	560	180	35	45	55	395	245	250	88	90	M30	M20		22330K	H2330	HE2330	320 x 9.5	1	105
SN632	5-1/2	140	200	710	580	190	42	52	60	415	255	260	93	100	M36	M24		22332K	H2332	HE2332	340 x 9.5	1	126

Unless specified "B" type open housings supplied.

# HOUSINGS

## Split Housings SD 3100 Heavy Duty



TS Taconite Type Seal.  
Available Against  
Order.

Labyrinth 'TS' Seal  
Standard on SD  
Housings.  
Unless specified 'B'  
Type Open Housings  
Supplied.

Unit No.	Shaft Dia. d (in) (mm)	H	A	E	B	G	W	L1	C	E1	X	T	Z	Bolt S	Spher. Roll. B.	Adapt. Sleeve No. Metric	Sleeve No. Inch	Spacer Ring No. (SR)	HSG Q	Wt.
SD3134 TSE TS	6 150	170	510	430	180	70	335	240	14	100	65	154	120	M24	23134K	H3134	HE3134	280 x 10	2	70
SD3136 TSE TS	6-1/2 160	180	530	450	190	75	355	250	15	110	68	159	130	M24	23136K	H3136	HE3136	300 x 10	2	78
SD3138 TSE TS	6-3/4 170	190	560	480	210	80	375	270	10	120	80	168	140	M24	23138K	H3138	HE3138	320 x 10	2	96
SD3140 TSE TS	7 180	210	610	510	230	85	410	290	10	130	82	178	150	M30	23140K	H3140	HE3140	340 x 10	2	128
SD3144 TS	200	220	640	540	240	90	435	300	12	140	90	184	155	M30	23144K	H3144		370 x 10	2	146
SD3148 TS	220	240	700	600	260	95	475	320	12	150	100	194	160	M30	23148K	H3148		400 x 10	2	164
SD3152 TS	240	260	770	650	280	100	515	330	13	160	105	200	170	M36	23152K	H3152		440 x 10	2	220
SD3156 TS	260	280	790	670	280	105	550	330	16	160	105	200	170	M36	23156K	H3156		460 x 10	2	225
SD3160 TS	280	300	830	710	310	100	590	360	22	190	110	213	190	M36	23160K	H3160		500 x 10	2	282
SD3164 TS	300	320	880	750	330	115	630	380	23	200	120	224	200	M36	23164K	H3164		540 x 10	2	339
SD3168 TS	320	340	965	840	380	120	670	400	25	240	135	244	220	M42	23168K	H3168		580 x 10	2	549
SD3172 TS	340	360	1040	890	390	130	720	400	22	255	145	249	225	M48	23172K	H3172		600 x 10	2	560
SD3176 TS	360	380	1120	980	400	135	750	415	22	255	145	260	240	M56	23176K	H3176		620 x 10	2	776
SD3180 TS	380	400	1245	1050	420	140	790	425	22	270	150	276	260	M64	23180K	H3180		650 x 10	2	880

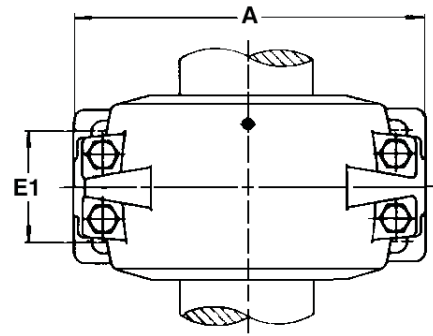
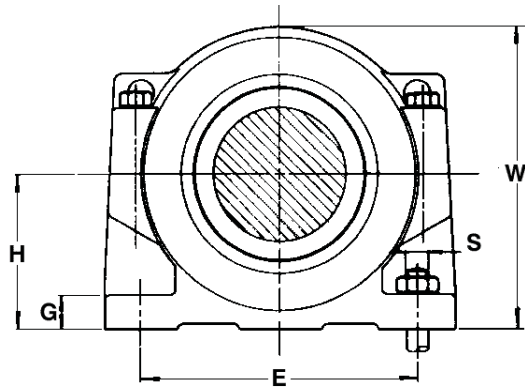
One housing per set should include spacer rings.

Dimension "X" may vary with fitting arrangements. Please check your application.

Note: Lock nut must be located on oil well side of housing.

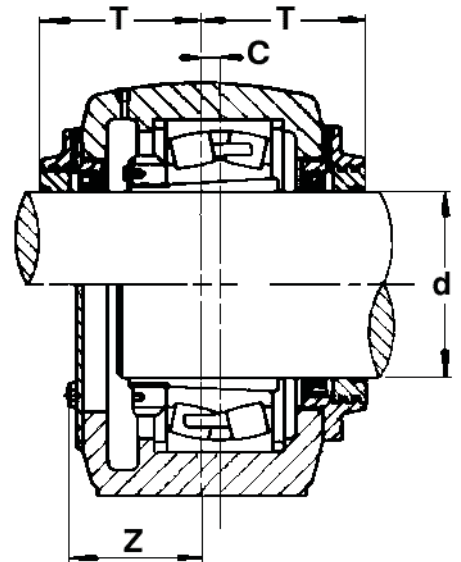
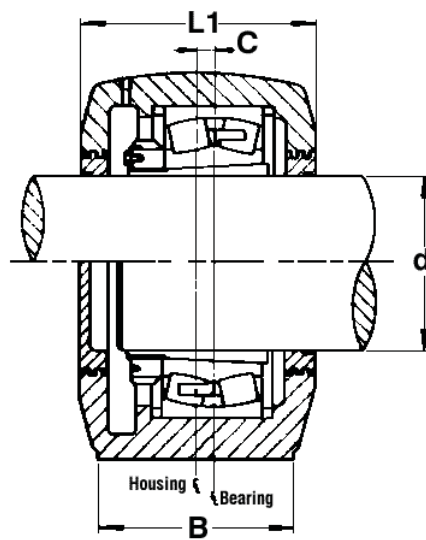
# HOUSINGS

## Split Housings CSD 3100 Heavy Duty



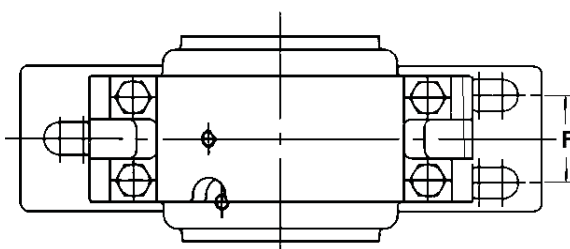
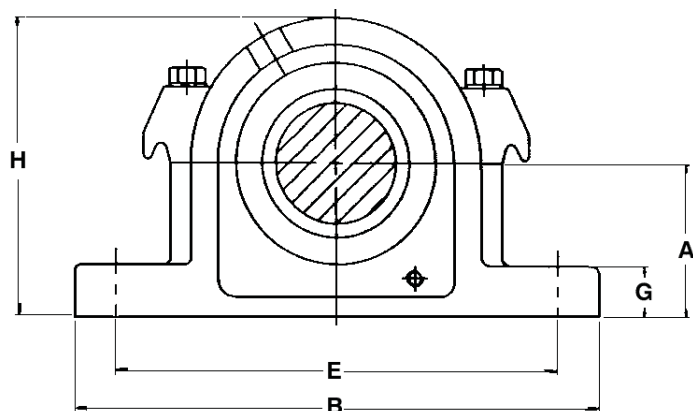
TS Taconite Type Seal.  
Available Against  
Order.

Labyrinth 'TS' Seal  
Standard on CSD  
Housings.  
Unless specified 'B'  
Type Open Housings  
Supplied.



Unit No.	Shaft Dia. d	Dimensions (mm)												Bolt Dia. S	Spher. Roller Brg	Adapter Sleeve	Spacer Ring (SR)	Qty
		H	A	E	E1	G	W	B	L1	C	T	Z						
CSD3168	320	360	830	700	240	70	705	350	430	30	264	225	42	23168K	H3168	580 x 10	2	
CSD3172	340	360	830	700	240	70	705	350	430	30	264	225	42	23172K	H3172	600 x 10	2	
CSD3176	360	390	880	760	280	75	765	380	460	35	280	240	42	23176K	H3176	620 x 10	2	
CSD3180	380	390	880	760	280	75	765	380	460	35	280	240	42	23180K	H3180	650 x 10	2	
CSD3184	400	440	940	810	280	80	850	400	490	35	294	255	42	23184K	H3184	700 x 10	2	
CSD3188	410	440	940	810	280	80	850	400	490	35	294	255	42	23188K	H3188	720 x 10	2	
CSD3192	430	470	1040	880	310	80	920	440	530	35	314	275	52	23192K	H3192	760 x 10	2	
CSD3196	450	470	1040	880	310	80	920	440	530	35	314	275	52	23196K	H3196	790 x 10	2	

One housing per set should include spacer rings.  
Note: Lock nut must be located in oil well side of housing.

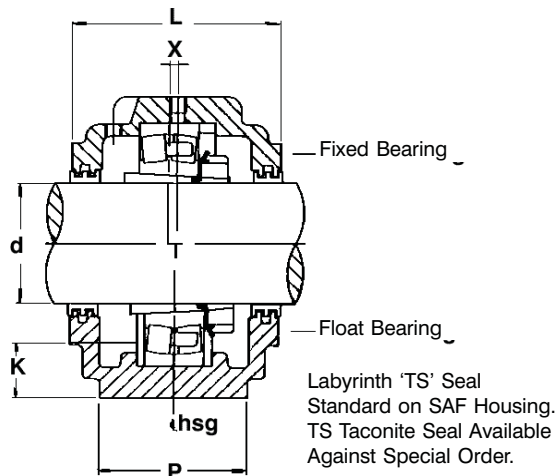


Shaft Dia. d inches	Complete Plummer Block Number	Basic Housing Only	Spherical Roller Bearing	Adapter Sleeve Number	Labyrinth Seal Ring (2 Required)	Spacer Ring (1 Required)
1-7/16	SAF22509	SAF509	22209K	HA309	LER17	SR 85 x 6
1-11/16	SAF22510	SAF510	22210K	HA310	LER20	SR 90 x 6.5
1-15/16	SAF22511	SAF511	22211K	HA311	LER24	SR 100 x 6
2-3/16	SAF22513	SAF513	22213K	HA313	LER29	SR 120 x 8
2-7/16	SAF22515	SAF515	22215K	HA315	LER37	SR 130 x 10
2-11/16	SAF22516	SAF516	22216K	HA316	LER44	SR 140 x 10
2-15/16	SAF22517	SAF517	22217K	HA317	LER53	SR 150 x 10
3-3/16	SAF22518	SAF518	22218K	HA318	LER188	SR 160 x 10
3-7/16	SAF22520	SAF520	22220K	HA320	LER102	SR 180 x 10
3-15/16	SAF22522	SAF522	22222K	HA322	LER109	SR 200 x 10
4-3/16	SAF22524	SAF524	22224K	HA3124	LER113	SR 215 x 10
4-7/16	SAF22526	SAF526	22226K	HA3126	LER117	SR 230 x 10
4-15/16	SAF22528	SAF528	22228K	HA3128	LER122	SR 250 x 10
5-3/16	SAF22530	SAF530	22230K	HA3130	LER125	SR 270 x 10
5-7/16	SAF22532	SAF532	22232K	HA3132	LER130	SR 290 x 10
5-15/16	SAF22534	SAF534	22234K	HA3134	LER140	SR 310 x 10
6-7/16	SAF22536	SAF536	22236K	HA3136	LER148	SR 320 x 10
6-15/16	SAF22538	SAF538	22238K	HA3138	LER155	SR 340 x 10
7-3/16	SAF22540	SAF540	22240K	HA3140	LER159	SR 360 x 10
7-15/16	SAF22544	SAF544	22244K	HA3144	LER167	SR 400 x 10

Shaft Dia. d inch	Complete Plummer Block Number	Basic Housing Only	Spherical Roller Bearing	Adapter Sleeve Number	Labyrinth Seal Ring (2 Required)	Spacer Ring (1 Required)
1-7/16	SAF22609	SAF609	22309K	HA2309	LER17	SR 100 x 6
1-11/16	SAF22610	SAF610	22310K	HA2310	LER20	SR 110 x 8
1-15/16	SAF22611	SAF611	22311K	HA2311	LER24	SR 120 x 10
2-3/16	SAF22613	SAF613	22313K	HA2313	LER32	SR 140 x 8.5
2-7/16	SAF22615	SAF615	22315K	HA2315	LER37	SR 160 x 10
2-11/16	SAF22616	SAF616	22316K	HA2316	LER44	SR 170 x 10
2-15/16	SAF22617	SAF617	22317K	HA2317	LER184	SR 180 x 10
3-3/16	SAF22618	SAF618	22318K	HA2318	LER188	SR 190 x 9.5
3-7/16	SAF22620	SAF620	22320K	HA2320	LER102	SR 215 x 9.5
3-15/16	SAF22622	SAF622	22322K	HA2322	LER109	SR 240 x 9.5
4-3/16	SAF22624	SAF624	22324K	HA2324	LER113	SR 260 x 9.5
4-7/16	SAF22626	SAF626	22326K	HA2326	LER117	SR 280 x 9.5
4-15/16	SAF22628	SAF628	22328K	HA2328	LER122	SR 300 x 9.5
5-3/16	SAF22630	SAF630	22330K	HA2330	LER125	SR 320 x 9.5
5-7/16	SAF22632	SAF632	22332K	HA2332	LER130	SR 340 x 9.5
5-15/16	SAF22634	SAF634	22334K	HA2334	LER140	SR 360 x 10
6-7/16	SAF22636	SAF636	22336K	HA2336	LER148	SR 380 x 10
6-15/16	SAF22638	SAF638	22338K	HA2338	LER155	SR 400 x 10
7-3/16	SAF22640	SAF640	22340K	HA2340	LER159	SR 420 x 10

# HOUSINGS

## Split Housings SAF 500 & SAF 600



### DESIGN FEATURES:

- Designed for both grease or oil lubrication, the housings have substantial oil capacity and are preferred when oil bath or oil circulation is required.
- Seals are the frictionless Aluminium TS Labyrinth type which excludes foreign matter and retain grease and oil. They assure maximum sealing even under unusually dirty conditions.
- Extra heavy wide base with flat, smooth top surface for better bolt sealing.
- Lifting grips on each side of 4-bolt cap.

### NOTE:

- 1) When ordering SAF 513-520 and SAF 611-617, please specify either 2 Bolt or 4 Bolt Mounting. Housing with prefix 'F' denotes 4-bolt base.
- 2) One Housing per set should include Spacer Rings.

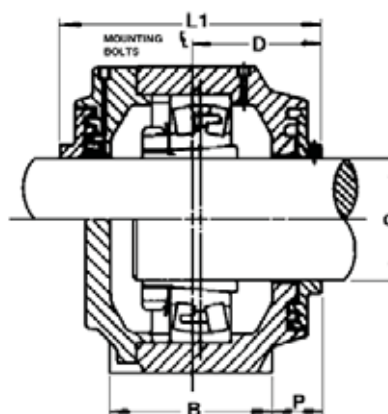
Basic Housing No.	A in.	B in.	E max in.	E min in.	F in.	G in.	H in.	K Static Oil Level in.	L in.	P in.	X in.	Bolts (No. req'd)	HSG Wt. Kg.
SAF509	2-1/4	8-1/4	7	6-1/4		13/16	4-3/8	13/32	3-5/8	2-3/8	.114	(2)-1/2	4.0
SAF510	2-1/2	8-1/4	7	6-1/2		15/16	4-3/4	1-3/32	3-5/8	2-3/8	.133	(2)-1/2	4.5
SAF511	2-3/4	9-5/8	7-7/8	7-3/8		15/16	5-1/4	1-3/16	3-7/8	2-3/4	.114	(2)-5/8	5.0
SAF513	3	11	9-1/2	8-1/8	2	1	5-15/16	1-3/32	4-1/2	3-1/8	.157	(2)-5/8 (4)-1/2	7.5
SAF515	3-1/4	11-1/4	9-5/8	8-5/8	1-7/8	1-1/8	6-3/8	1-1/8	4-3/4	3-1/8	.118	(2)-5/8 (4)-1/2	8
SAF516	3-1/2	13	11	9-5/8	2-1/8	1-3/16	6-7/8	1-1/4	4-7/8	3-1/2	.187	(2)-3/4 (4)-5/8	12
SAF517	3-3/4	13	11	9-7/8	2-1/8	1-1/4	7-5/16	1-3/8	5	3-1/2	.187	(2)-3/4 (4)-5/8	13
SAF518	4	13-3/4	11-5/8	10-3/8	2-1/8	1-5/16	7-3/4	1-1/2	5-3/4	3-7/8	.187	(2)-3/4 (4)-5/8	15
SAF520	4-1/2	15-1/4	13-1/8	11-5/8	2-3/8	1-3/4	8-3/4	1-21/32	6-1/8	4-3/8	.187	(2)-7/8 (4)-3/4	20
SAF522	4-15/16	16-1/2	14-1/2	12-5/8	2-3/4	2	9-5/8	1-25/32	6-1/2	4-3/4	.187	(4)-3/4	25
SAF524	5-1/4	16-1/2	14-1/2	13-1/4	2-3/4	2-1/8	10-1/4	1-27/32	7-3/8	4-3/4	.187	(4)-3/4	30
SAF526	6	18-3/8	16	14-5/8	3-1/4	2-3/8	11-1/2	2-11/32	8	5-1/8	.187	(4)-7/8	45
SAF528	6	20-1/8	17-1/8	16	3-3/8	2-3/8	11-3/4	2-1/32	7-5/8	5-7/8	.187	(4)-1	52
SAF530	6-5/16	21-1/4	18-1/4	17	3-3/4	2-1/2	12-1/2	2	8-3/8	6-1/4	.187	(4)-1	58
SAF532	6-11/16	22	19-1/4	17-3/8	3-3/4	2-5/8	13-5/16	2-1/16	8-3/4	6-1/4	.187	(4)-1	70
SAF534	7-1/16	24-3/4	21-5/8	19-3/8	4-1/4	2-3/4	14-3/16	2-5/32	9-5/8	6-3/4	.187	(4)-1	96
SAF536	7-1/2	26-3/4	23-5/8	20-7/8	4-5/8	3	14-7/8	2-3/8	10	7-1/8	.187	(4)-1	108
SAF538	7-7/8	28	24-3/8	21-5/8	4-1/2	3-1/8	15-11/16	2-7/16	10-3/4	7-1/2	.187	(4)-1-1/4	120
SAF540	8-1/4	29-1/2	25	22-1/2	5	3-3/8	16-1/2	2-15/32	11-1/4	8	.187	(4)-1-1/4	142
SAF544	9-1/2	32-3/4	27-7/8	24-3/4	5-1/4	3-3/4	18-5/8	3-1/8	12	8-3/4	.187	(4)-1-1/2	200

Basic Housing No.	A in.	B in.	E max in.	E min in.	F in.	G in.	H in.	K Static Oil Level in.	L in.	P in.	Bolts (No. req'd)	HSG Wt. Kg.
SAF609	2-3/4	9-5/8	7-7/8	7-3/8		1	5-5/16	1-9/32	4-1/4	2-3/4	(2)-5/8	6
SAF610	3	10-5/8	9	7-3/4		1-1/8	5-13/16	1-3/8	4-5/8	2-3/4	(2)-5/8	8
SAF611	3-1/4	11	9-1/2	8-1/8	2	1-3/16	6-3/16	1-7/16	4-7/8	3-1/8	(2)-5/8 (4)-1/2	10
SAF613	3-1/2	13	11	9-5/8	2-1/8	1-1/4	6-15/16	1-13/32	5-3/8	3-1/2	(2)-3/4 (4)-5/8	13
SAF615	4	13-3/4	11-5/8	10-3/8	2-1/8	1-5/16	7-3/4	1-19/32	6-1/4	3-7/8	(2)-3/4 (4)-5/8	19
SAF616	4-1/4	14-1/4	12-5/8	10-5/8	2-1/8	1-5/16	8-1/4	1-11/16	6-1/2	3-7/8	(2)-3/4 (4)-5/8	23
SAF617	4-1/2	15-1/4	13-1/8	11-5/8	2-3/8	1-3/4	8-3/4	1-3/4	6-3/4	4-3/8	(2)-7/8 (4)-3/4	26
SAF618	4-3/4	15-1/2	13-1/2	12	2-1/4	2	9-3/16	1-7/8	6-7/8	4-3/8	(4)-3/4	28
SAF620	5-1/4	16-1/2	14-1/2	13-1/4	2-3/4	2-1/8	10-1/4	2-1/32	7-3/8	4-3/4	(4)-3/4	33
SAF622	6	18-3/8	16	14-5/8	3-1/4	2-3/8	11-1/2	2-13/32	8	5-1/8	(4)-7/8	45
SAF624	6-5/16	21-1/4	18-1/4	17	3-3/4	2-1/2	12-1/2	2-3/8	8-3/8	6-1/4	(4)-1	63
SAF626	6-11/16	22	19-1/4	17-3/8	3-3/4	2-5/8	13-5/16	2-7/16	8-3/4	6-1/4	(4)-1	74
SAF628	7-1/16	24-3/4	21-5/8	19-3/8	4-1/4	2-3/4	14-3/16	2-9/16	9-5/8	6-3/4	(4)-1	98
SAF630	7-1/2	26-3/4	23-5/8	20-7/8	4-5/8	3	14-7/8	2-5/8	9-3/4	7-1/8	(4)-1	106
SAF632	7-7/8	28	24-3/8	21-5/8	4-1/2	3-1/8	15-11/16	2-11/16	10-3/4	7-1/2	(4)-1-1/4	130
SAF634	8-1/4	29-1/2	25	22-1/2	5	3-3/8	16-1/2	2-3/4	11-1/4	8	(4)-1-1/4	150
SAF636	8-7/8	31-1/4	26-5/8	24	5-1/4	3-1/2	17-3/16	3-3/8	11-3/8	8-1/4	(4)-1-1/4	166
SAF638	9-1/2	32-3/4	27-7/8	24-3/4	5-1/4	3-3/4	18-5/8	3-3/8	12	8-3/4	(4)-1-1/2	206
SAF640	9-7/8	34-1/4	29-1/2	26-1/4	5-1/2	4	20	3-3/4	12-1/16	9	(4)-1-1/2	220



## Solid Housings

### SB 500 Medium Duty



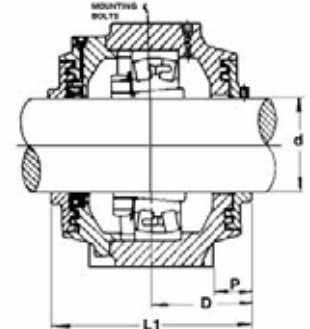
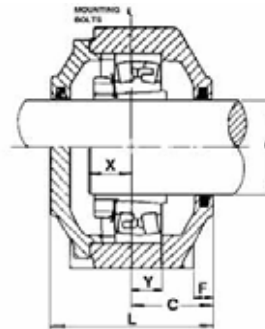
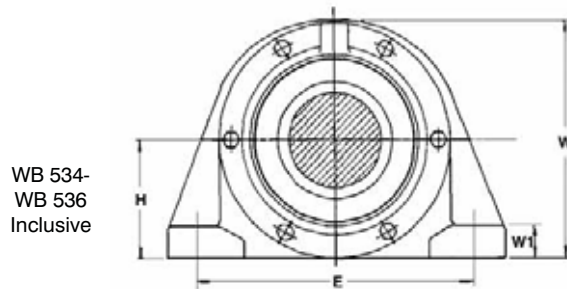
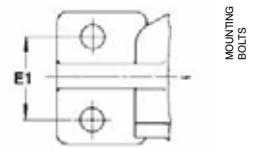
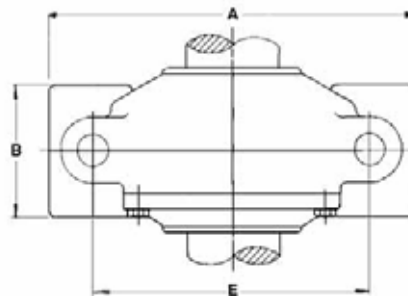
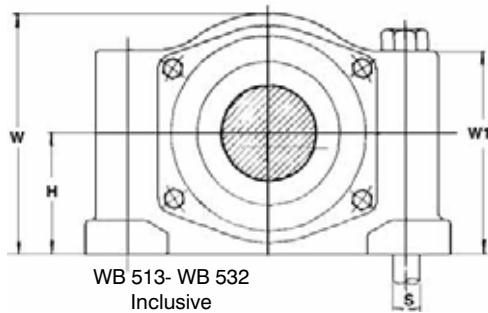
Labyrinth LS Seal and LS Taconite Seal  
Available Against Order.

Dimension "X" may vary with fitting arrangements. Please check your application.  
Unless specified 'B' type open covers supplied. One housing per set should include spacer rings.



# HOUSINGS

## Solid Housings WB 500 Heavy Duty



Felt Seal Standard on WB Housings

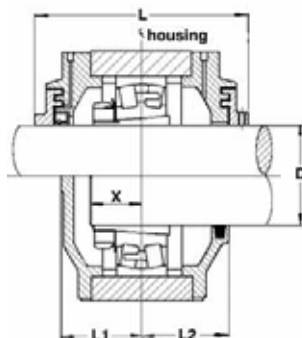
Labyrinth LS Seal and LS Taconite Seal  
Available Against Order.

Unit No.	Shaft Dia (in) (mm)	Dimension (mm)																Bolt Diameter		Bearing No.		Adapter Sleeve		Spacer Ring			
		H	A	E	Y	C	D	B	W	W1	L	L1	F	P	E1	X	2 Bolt	4 Bolt	Ball	Roller	Metric	Inch	No.(SR)	Qty			
WB513	2-1/4	60	80.16	197	162	22.552	72	79	155	140	102	137	11	27			M16		1213K 2213K	H213 H313	HE213 HE313	120 x 10 120 x 12	2	1			
WB515	2-1/2	65	82.55	267	191	20.556	78	89	165	140	111	153	11	30			M20		1215K 2215K	22213K	H215 H315	HE215 HE315	130 x 8 130 x 10	2	1		
																					H315	HE315	130 x 10	1			
WB516	2-3/4	70	98.42	292	216	21.558	82	102	191	165	114	160	6.5	28			M24		1216K 2216K	22215K	H216 H316	HE216 HE316	140 x 8.5 140 x 10	2	1		
																					H316	HE316	140 x 10	1			
WB517	3	75	98.42	292	216	23	60	82	102	194	165	119	162	9	30			M24		1217K 2217K	22216K	H217 H317	HE217 HE317	150 x 9 150 x 10	2	1	
																						H317	HE317	150 x 10	1		
WB518	3-1/4	80	107.95	311	241	31.266	90	102	213	184	133	175	14	35			M24		1218K 2218K	22217K	H218 H318	HE218 HE318	160 x 16.2 160 x 11.2	2	2		
																					H318	HE318	160 x 11.2	2			
WB520	3-1/2	90	117.47	337	260	38.374	98	108	229	197	146	190	19	42			M24		1220K 2220K	23218K	H220 H320	HE220 HE320	180 x 18.1 180 x 12.1	2	2		
																					H320	HE320	180 x 12.1	2			
WB522	4	100	133.35	375	292	42.380	100	121	257	222	157	196	19	38			M30		1222K 2222K	23220K	H222 H322	HE222 HE322	200 x 21 200 x 13.5	2	2		
																					H322	HE322	200 x 13.5	2			
WB524	4-1/4	110	139.7	394	305	43	86	110	133	270	229	172	213	19	40			M30		22222K 23222K	23224K	H2322 H3124	HE2322 HE3124	200 x 10 215 x 14	1	2	
																						H3124	HE3124	215 x 14	2		
WB526	4-1/2	115	149.22	425	330	45	82	108	140	295	241	172	210	12	34			M30		22226K 23226K	23228K	H3126 H3128	HE3126 HE3128	230 x 13 250 x 15	2	1	
																						H3128	HE3128	250 x 15	2		
WB528	5	125	149.22	444	330	49	88	114	140	308	241	182	232	18	42			M30		22228K 23228K	23230K	H3128 H3130	HE3128 HE3130	250 x 15 270 x 16.5	2	1	
																						H3130	HE3130	270 x 16.5	2		
WB530	5-1/4	135	165.10	489	356	50	92	115	146	330	267	219	254	19	42			M36		22230K 23230K	22232K	H2330 H3132	HE2330 HE3132	270 x 10 290 x 17	1	2	
																						H3132	HE3132	290 x 17	2		
WB532	5-1/2	140	177.80	533	381	59	95	120	152	352	305	228	267	19	42			M36		22232K 23232K	23234K	H2332 H3134	HE2332 HE3134	290 x 10 310 x 17	1	2	
																						H3134	HE3134	310 x 17	2		
WB534	6	150	179.39	533	457	60	120	140	190	365	44.5	241	279	22	46	117.5			M30		22234K 23234K	22236K	H2334 H3136	HE2334 HE3136	310 x 10 320 x 18	1	2
																							H3136	HE3136	320 x 18	2	
WB536	6-1/2	160	190.50	559	457	65	120	140	190	400	44.5	245	289	22	46	117.5			M30		22236K H2336	HE2336	320 x 10	1	1		

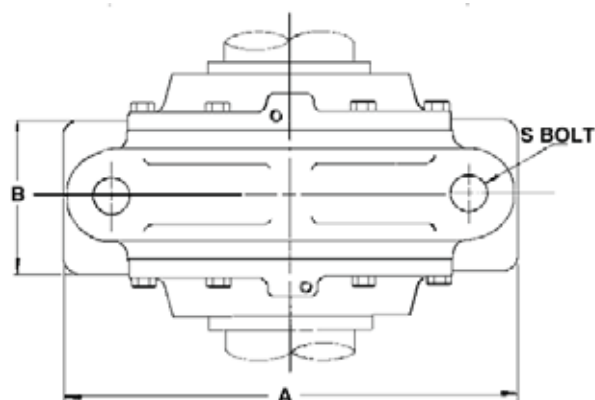
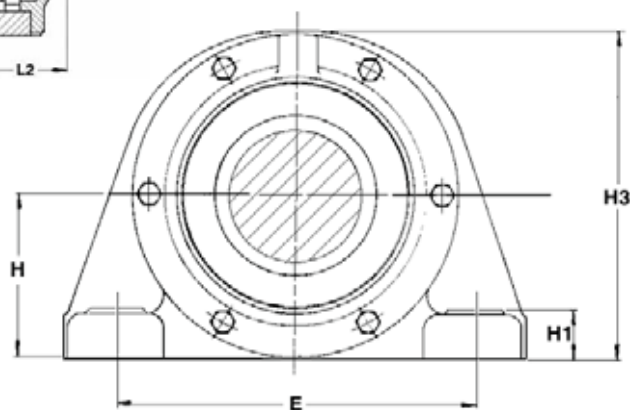
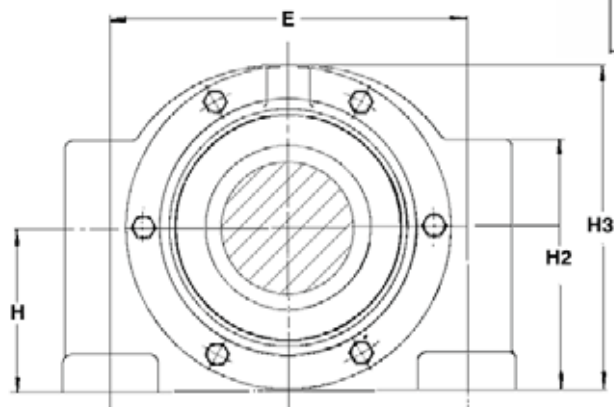
Unless specified "B" type open covers supplied. One housing per set should include spacer rings.

# HOUSINGS

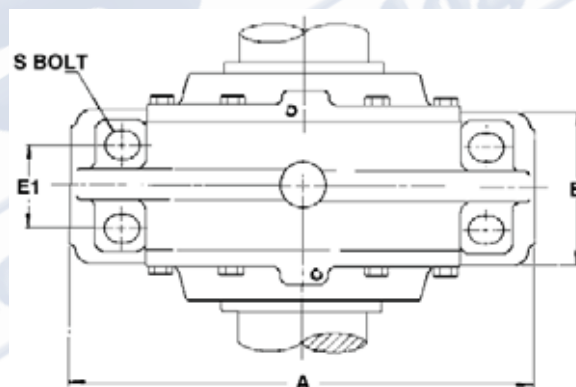
## Solid Housings WSB 500 Heavy Duty Metric



This Series is Metric Only.



Note: Sizes 509 to 520 are 2 Bolt Mounting.  
One Cover is Cast Integral With Housing.



Note: Sizes 522 to 532 are 4 Bolt Mounting.  
One Cover is Cast Integral With Housing as Standard.  
2 Loose Covers are Available Against Special Order.

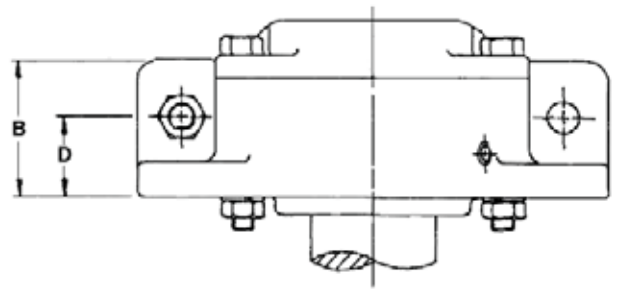
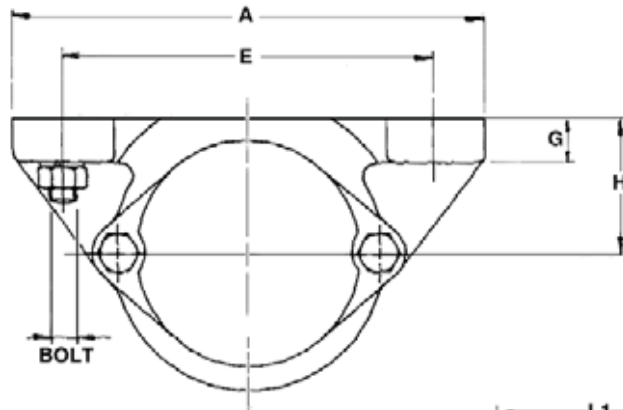
Housing	Dia. 'd'	A	B	E	E <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	L	L <sub>1</sub>	Bolts		L <sub>2</sub>	X	Spher. Roller	Adapter Sleeve	Spacer Ring No. (SR)	Qty
												2 Bolt	4 Bolt						
WSB509M	40	135	50	110		52		85	105	116	42	M12		42	25	22209K	H309	85 x 8	1
WSB510M	45	140	50	115		55		90	110	118	45	M12		45	26	22210K	H310	90 x 10	1
WSB511M	50	160	55	130		62		100	125	122	47	M16		47	26	22211K	H311	100 x 8	1
WSB512M	55	170	60	140		67		110	135	134	53	M16		53	24	22212K	H312	110 x 10	1
WSB513M	60	185	65	150		75		120	150	142	55	M16		55	30	22213K	H313	120 x 12	1
WSB515M	65	195	70	160		80		130	160	156	58	M16		58	33	22215K	H315	130 x 10	1
WSB516M	70	240	90	190		87		135	175	162	60	M20		60	36	22216K	H316	140 x 10	1
WSB517M	75	255	90	205		92		140	185	168	63	M20		64	39	22217K	H317	150 x 10	1
WSB518M	80	275	95	220		100		155	200	182	68	M20		69	47	22218K	H318	160 x 11.2	2
WSB520M	90	300	105	240		110		180	220	196	75	M24		76	53	22220K	H320	180 x 12.1	2
WSB522M	100	375	125	285	70	122	45		250	204	80		M16	80	59	22222K	H322	200 x 13.5	2
WSB524M	110	400	135	305	70	133	45		270	215	85		M16	84	61	22224K	H3124	215 x 14	2
WSB526M	115	430	140	330	70	140	50		280	226	87		M16	86	62	22226K	H3126	230 x 13	2
WSB528M	125	445	140	345	80	150	50		300	233	93		M20	92	71	22228K	H3128	250 x 15	2
WSB530M	135	460	165	360	90	160	60		320	250	100		M24	98	77	22230K	H3130	270 x 16.5	2
WSB532M	140	490	175	385	90	170	60		340	268	105		M24	95	83	22232K	H3132	290 x 17	2

Felt seals are standard on this series.

Unless specified "B" type open cover supplied. One housing per set should include spacer rings.

# HOUSINGS

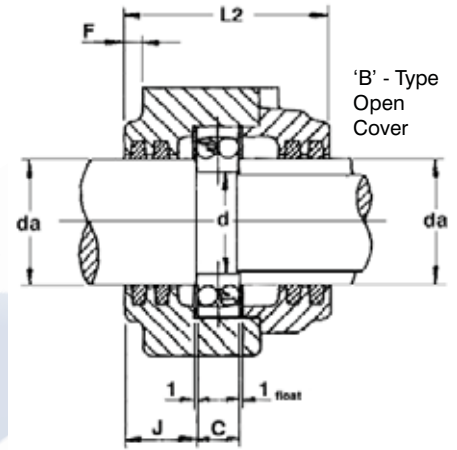
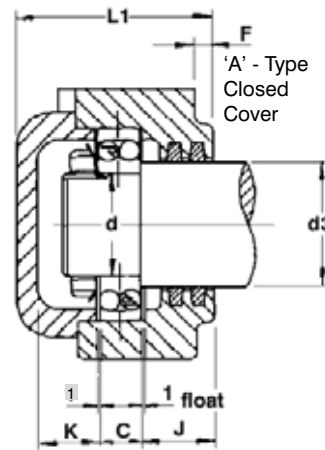
## Solid Housings TVN Medium Duty



Felt seals standard on TVN housings.

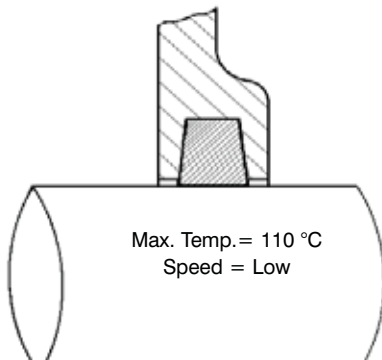
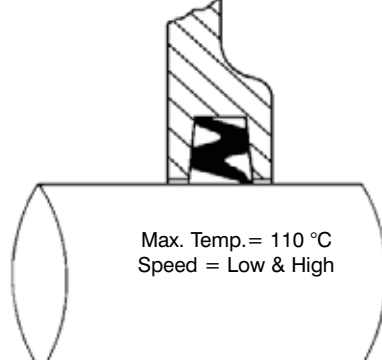
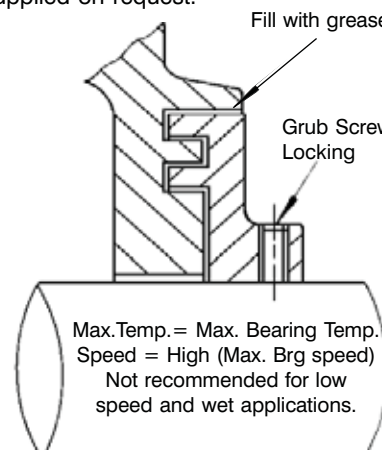
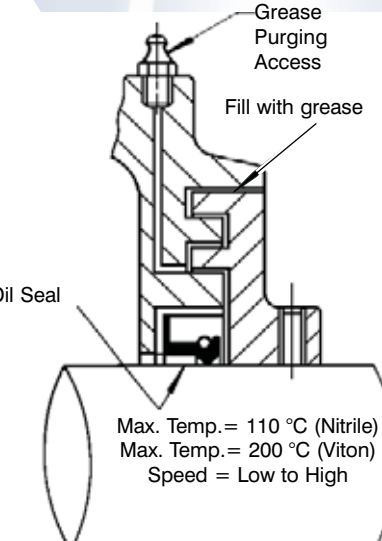
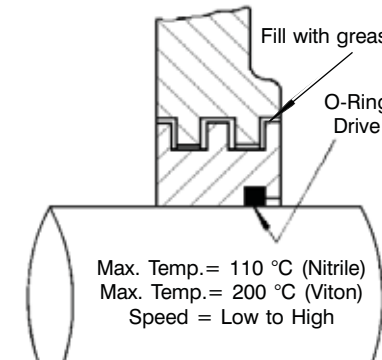
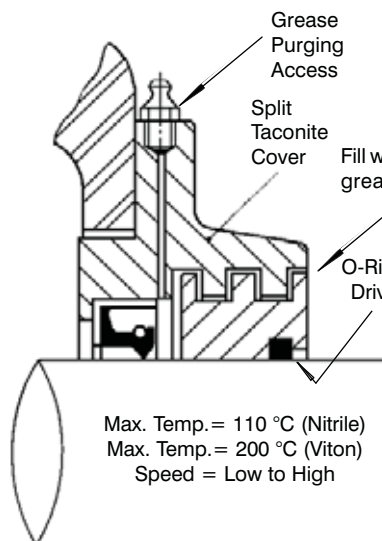
TVN Series housings are designed with 1mm axial displacement both sides of bearing.

Please specify either "A" type or "B" type covers.



Unit No. A-Type	Shaft Dia B-Type	Dimensions in mm																Bolt Dia.	Bearing No.		Lock Nut	Lock Washer
		d	da	H	A	E	B	C	D	F	G	J	K	L <sub>1</sub>	L <sub>2</sub>	Ball	Roller					
TVN204A	TVN204B	20	25	35	150	110	45	14	25	6	14	23.5	19	61	68	M12	1204			AN04	AW04	
TVN205A	TVN205B	25	30	40	170	130	45	15	25	7	16	24	19	63	71	M12	1205			AN05	AW05	
TVN206A	TVN206B	30	35	50	190	150	52	16	30	7	16	27	23	71	76	M12	1206			AN06	AW06	
TVN306A	TVN306B	30	40	50	190	150	52	19	30	8	18	27.5	25	77	78	M12	1306			AN06	AW06	
21306																						
TVN207A	TVN207B	35	45	50	190	150	52	17	30	8	18	28.5	26	77	78	M12	1207			AN07	AW07	
TVN307A	TVN307B	35	45	60	210	170	60	21	35	8	18	31.5	28	86	92	M12	1307			AN07	AW07	
21307																						
TVN208A	TVN208B	40	50	60	210	170	60	18	35	8	18	33	30	86	92	M12	1208			AN08	AW08	
TVN308A	TVN308B	40	50	60	210	170	60	23	35	8	20	32.5	29	90	94	M12	1308			AN08	AW08	
21308																						
TVN209A	TVN209B	45	55	60	210	170	60	19	35	8	20	32	31	87	92	M12	1209			AN09	AW09	
TVN309A	TVN309B	45	55	70	270	210	70	25	40	8	23	32.5	31	95	100	M16	1309			AN09	AW09	
21309																						
TVN210A	TVN210B	50	60	69	210	170	60	20	35	8	20	34	31	90	94	M12	1210			AN10	AW10	
TVN310A	TVN310B	50	60	70	270	210	70	27	40	10	23	36.5	32	102	105	M16	1310			AN10	AW10	
21310																						
TVN211A	TVN211B	55	65	70	270	210	70	21	40	8	23	34.5	33	95	100	M16	1211			AN11	AW11	
TVN311A	TVN311B	55	65	80	290	230	80	29	45	10	25	37.5	36	110	115	M16	1311			AN11	AW11	
21311																						
TVN212A	TVN212B	60	70	70	270	210	70	22	40	10	23	39	35	102	105	M16	1212			AN12	AW12	
TVN312A	TVN312B	60	70	80	290	230	80	31	45	10	25	38.5	38	115	17	M16	1312			AN12	AW12	
21312																						
TVN213A	TVN213B	65	75	80	290	230	80	23	45	10	25	40.5	39	110	115	M16	1213			AN13	AW13	
TVN313A	TVN313B	65	75	95	330	260	90	33	50	12	28	42.5	38	122	127	M20	1313			AN13	AW13	
21313																						
TVN214A	TVN214B	70	80	80	290	230	80	24	45	10	25	40.5	40	111	115	M16	1214			AN14	AW14	
TVN314A	TVN314B	70	80	95	330	260	90	35	50	12	28	43.5	39	126	129	M20	1314			AN14	AW14	
21314																						
TVN215A	TVN215B	75	85	80	290	230	80	25	45	10	25	41.5	41	115	117	M16	1215			AN15	AW15	
TVN315A	TVN315B	75	85	100	360	290	100	37	55	13	30	47.5	43	136	139	M20	1315			AN15	AW15	
21315																						

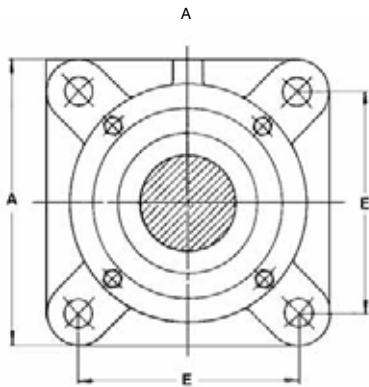
### Consider "SNG" Housings for Improved Sealing

<p><b>'Felt' Seal</b></p> <p><b>(PRE-SOAK IN OIL)</b> Standard sealing normal conditions. Limiting speeds <b>3-4 metres</b> per second. SN &amp; Solid housings have felt groove as standard. Poor seal option.</p>  <p>Max. Temp. = 110 °C Speed = Low</p> <p>Part No Example: <b>Felt 2-1/2 (INCH &amp; METRIC)</b> (USE IMPERIAL SIZES FOR METRIC)</p>	<p><b>'Z' Seal</b></p> <p><b>(GOOD SHAFT FINISH)</b> Wiping lip seal improves protection for non-abrasive environment. Limiting speed <b>10-15 metres</b> per second. Better alternative to Felt seal. Good in wet environments. SN &amp; Solid housings have felt groove as standard.</p>  <p>Max. Temp. = 110 °C Speed = Low &amp; High</p> <p>Part No Example: "SN 515" <b>ZF 15 E (2-1/2 INCHES)</b> <b>ZF 15 (65 MM)</b></p>	<p><b>'LS' Seal</b></p> <p><b>"SOLID" HOUSINGS (FC, WB, SB, TH)</b> <b>(NON-CONTACT, HIGH SPEED)</b> (Horizontal Labyrinth) non-contact for abrasive environment. No limiting speed. Available on <b>non-split housings</b> only and supplied on request.</p>  <p>Max. Temp. = Max. Bearing Temp. Speed = High (Max. Brg speed) Not recommended for low speed and wet applications.</p> <p>Note: Must be packed with grease on assembly.</p> <p>Part No Example: "FC 515" <b>LS E 15 (2-1/2 INCHES)</b> <b>LS15 (65 MM)</b></p>
<p><b>'LS' TAC Type</b> <b>ULTIMATE SEAL</b> <b>"SOLID" HOUSINGS (FC, WB, SB, TH)</b> (Taconite) combination wiping lip and labyrinth for extreme conditions. Grease nipple purges labyrinth seal. Oil seal prevents combination of bearing grease. Available on <b>non-split housings</b> &amp; on request only.</p>  <p>Max. Temp. = 110 °C (Nitrile) Max. Temp. = 200 °C (Viton) Speed = Low to High</p> <p>Part No Example: "WB 515" <b>LS E TAC 15 (2-1/2 INCHES)</b> <b>LS TAC 15 (65 MM)</b></p>	<p><b>'TS' Type</b> <b>"SSN" &amp; "SD" HOUSINGS</b> (Vertical Labyrinth) non-contact seal for abrasive environment. No limiting speed. Available on split type housings only. This sealing supplied <b>standard on SD &amp; SSN</b> housings.</p>  <p>Max. Temp. = 110 °C (Nitrile) Max. Temp. = 200 °C (Viton) Speed = Low to High</p> <p>Part No Example: "SSN 515" <b>TS E 15 (2-1/2 INCHES)</b> <b>TS 15 (65 MM)</b></p>	<p><b>'TS' TAC Type</b> <b>ULTIMATE SEAL</b> <b>"SSN" &amp; "SD" HOUSINGS</b> (Taconite) combination wiping lip and labyrinth for extreme conditions. Limiting speeds <b>10-15 metres</b> per second. This sealing is available on SD and SSN split plummer block or special application only.</p>  <p>Max. Temp. = 110 °C (Nitrile) Max. Temp. = 200 °C (Viton) Speed = Low to High</p> <p>Part No Example: "SSN 515" <b>TS E TAC 15 (2-1/2 INCHES)</b> <b>TS TAC 15 (65 MM)</b></p>

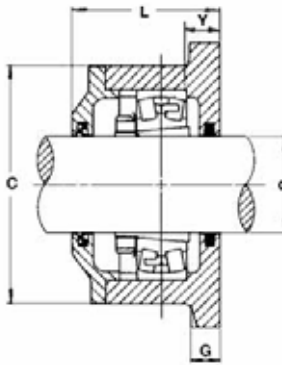


# HOUSINGS

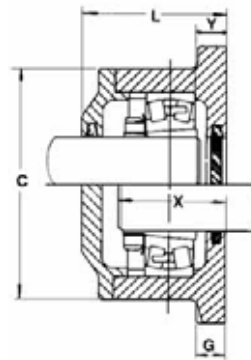
## Flange Housings FC 500E Medium Duty



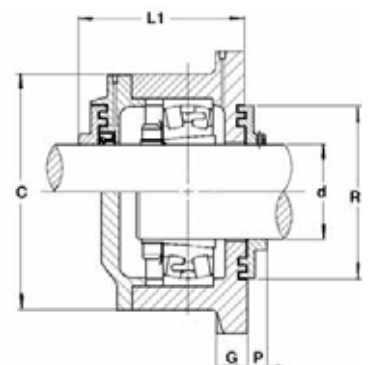
Felt Seal Standard on FC Housings



Unless Specified 'B' Type Open Covers Supplied.



'C' Type Closed Housing Unit. (Blanking Plug Fitted).



Labyrinth 'LS' Seal & LS Taconite Seal Available Against Order.

### Note:

- 1) This Series is available with Inch (E) or Metric (M) shaft openings. Please specify Inch or Metric on order.
- 2) \* - indicates Metric Shaft Housings which are common with FCM series.

'A' Type Closed Cover Unit.

Closed Cover Unit 'LS A' Type.

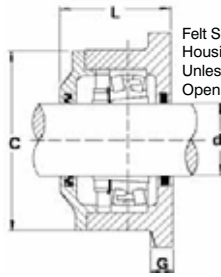
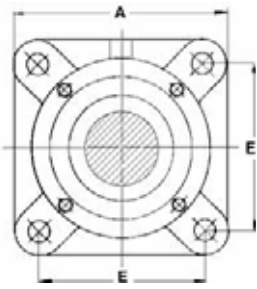
Closed Housing Unit 'LS C' Type. (Blanking Plug Fitted).

Unit No	Shaft Dia. d		Dimensions (mm)											Bolt Dia.	Bearing No.		Adapter Sleeve No.		Spacer Ring	
	(in)	(mm)	A	E	C	G	L	L <sub>1</sub>	P	R	X	Y	Ball		Roller	Metric	Inch	No.	Qty	
FC505	3/4	20	114	88.9	78	13	58				46	44	16	M10	1205K		H205	HE205	52 x 5	2
															2205K		H305	HE305	52 x 7	1
																22205K	H305	HE305	52 x 7	1
FC506	1	25	127	95	90	12	67				52	51	16	M10	1206K		H206	HE206	62 x 7	2
															2206K		H306	HE306	62 x 10	1
																22206K	H306	HE306	62 x 10	1
FC508	1-1/4	35	136	105	108	12	77	93	16	73	59	16	M10	1208K		H208	HE208	80 x 7.5	2	
															2208K		H308	HE308	80 x 10	1
																22208K	H308	HE308	80 x 10	1
FC509	1-1/2	40	136	105	113	12	78	94	15	79	62	20	M12	1209K		H209	HE209	85 x 6	2	
															2209K		H309	HE309	85 x 8	1
																22209K	H309	HE309	85 x 8	1
FC510	1-3/4	45	142	108.0	118	15	82	98	14	85	60	21	M12	1210K		H210	HE210	90 x 6.5	2	
															2210K		H310	HE310	90 x 10	1
																22210K	H310	HE310	90 x 10	1
FC511	2	50	160	124	128	20	92	106	14	94	67	24	M16	1211K		H211	HE211	100 x 6	2	
															2211K		H311	HE311	100 x 8	1
																22211K	H311	HE311	100 x 8	1
FC513	2-1/4	60	180	140	150	19	98	115	20	110	76	21	M16	1213K		H213	HE213	120 x 10	2	
															2213K		H313	HE313	120 x 12	1
																22213K	H313	HE313	120 x 12	1
FC515	2-1/2	65	187	149.2	155	19	98	119	21	122	78	25	M16	1215K		H215	HE215	130 x 8	2	
															2215K		H315	HE315	130 x 10	1
																22215K	H315	HE315	130 x 10	1
FC516	2-3/4	70	200	158.7	171	22	105	127	22	126	82	26	M16	1216K		H216	HE216	140 x 8.5	2	
															2216K		H316	HE316	140 x 10	1
																22216K	H316	HE316	140 x 10	1
FC517	3	75	200	158.7	182	22	108	130	20	138	87	26	M16	1217K		H217	HE217	150 x 9	2	
															2217K		H317	HE317	150 x 10	1
																22217K	H317	HE317	150 x 10	1
FC518	3-1/4	80	242	190.5	210	27	124	146	22	150	98	24	M20	1218K		H218	HE218	160 x 16.2	2	
															2218K		H318	HE318	160 x 11.2	2
																22218K	H318	HE318	160 x 11.2	2
FC520	3-1/2	90	241	190.5	221	27	121	145	22	161	97	24	M20	1220K		H220	HE220	180 x 12.1	1	
																		180 x 10	1	
															2220K		H320	HE320	180 x 10	1
																22220K	H320	HE320	180 x 10	1
FC522	4	100	270	215.9	240	27	141	162	21	173	111	22	M20	1222K		H222	HE222	200 x 21	2	
															2222K		H322	HE322	200 x 13.5	2
																22222K	H322	HE322	200 x 13.5	2

Unless specified "B" type open covers supplied. One housing per set should include spacer rings.  
When ordering specify both cover and housing sealing required.

## Flange Housings

### FCM 500 Medium Duty Metric



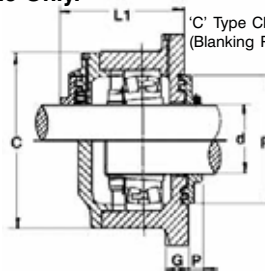
**This Series is Metric Only.**

Felt Seal Standard on FC Housings.  
Unless specified, 'B' Type Open Covers Supplied.

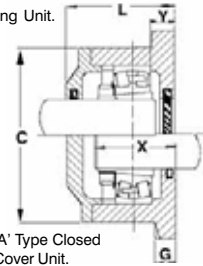
Labyrinth 'LS' Seal & LS  
Taconite Seal Available Against  
Order.

Closed Cover Unit 'LS A' Type.

Closed Housing Unit 'LS C'  
Type. (Blanking Plug Fitted).



'C' Type Closed Housing Unit.  
(Blanking Plug Fitted)



'A' Type Closed  
Cover Unit.

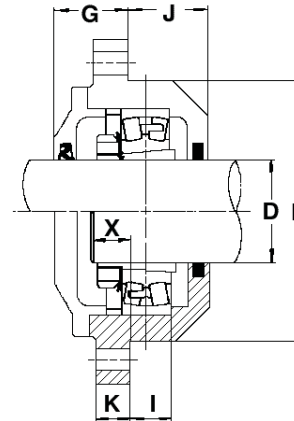
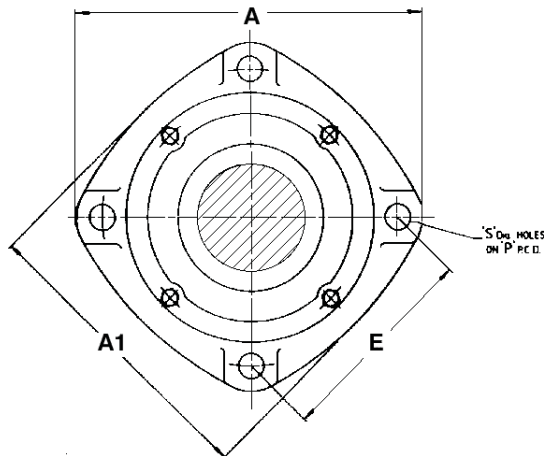
Unit No.	Shaft Dia, d	Dimensions (mm)										Bolt Dia.	Bearing No.		Adapter Sleeve Metric	Spacer Ring	
		A	E	C	G	L	L <sub>1</sub>	P	R	X	Y		Ball	Roller		No.	Qty
FCM506	25	127	95	90	12	67			52	51	16	M10	1206K		H206	62 x 7	2
													2206K		H306	62 x 10	1
														22206K	H306	62 x 10	1
FCM507	30	130	100	97	12	75	91	16	73	52	16	M10	1207K		H207	72 x 7	2
													2207K		H307	72 x 8	1
														22207K	H307	72 x 8	1
FCM508	35	136	105	108	12	77	93	16	73	59	16	M10	1208K		H208	80 x 7.5	2
													2208K		H308	80 x 10	1
														22208K	H308	80 x 10	1
FCM509	40	136	105	113	12	78	94	15	79	62	20	M12	1209K		H209	85 x 6	2
													2209K		H309	85 x 8	1
														22209K	H309	85 x 8	1
FCM510	45	142	108	118	15	82	98	14	85	60	21	M12	1210K		H210	90 x 6.5	2
													2210K		H310	90 x 10	1
														22210K	H310	90 x 10	1
FCM511	50	160	124	128	20	92	106	14	94	67	24	M16	1211K		H211	100 x 6	2
													2211K		H311	100 x 8	1
														22211K	H311	100 x 8	1
FCM512	55	170	130	142	20	94	108	14	94	71	20	M16	1212K		H212	110 x 8	2
													2212K		H312	110 x 10	1
														22212K	H312	110 x 10	1
FCM513	60	180	140	150	19	98	115	20	110	76	21	M16	1213K		H213	120 x 10	2
													2213K		H313	120 x 12	1
														22213K	H313	120 x 12	1
FCM515	65	190	152	162	25	104	124	20	122	78	25	M16	1215K		H215	130 x 8	2
													2215K		H315	130 x 10	1
														22215K	H315	130 x 10	1
FCM516	70	196	152	176	25	110	131	21	126	82	26	M16	1216K		H216	140 x 8.5	2
													2216K		H316	140 x 10	1
														22216K	H316	140 x 10	1
FCM517	75	210	170	188	25	114	134	20	138	88	26	M16	1217K		H217	150 x 9	2
													2217K		H317	150 x 10	1
														22217K	H317	150 x 10	1
FCM518	80	210	170	198	25	135	157	22	150	112	32	M16	1218K		H218	160 x 17	2
													2218K		H318	160 x 12	2
														22218K	H318	160 x 12	2
														23218K	H2318	160 x 11.5	1
FCM520	90	250	198	220	30	146	168	22	161	123	34	M20	1220K		H220	180 x 18.1	2
													2220K		H320	180 x 12.1	2
														22220K	H320	180 x 12.1	2
														23220K	H2320	180 x 10	1
FCM522	100	270	219	240	30	158	175	21	173	133	34	M20	1222K		H222	200 x 21	2
													2222K		H322	200 x 13.5	2
														22222K	H322	200 x 13.5	2
														23222K	H2322	200 x 10.2	1
FCM524	110	280	230	262	30	166	190	21	186	141	35	M24		22224K	H324	215 x 14	2
														23224K	H2324	215 x 10	1
FCM526	115	305	250	280	35	175	196	21	192	150	39	M24		22226K	H326	230 x 13	2
														23226K	H2326	230 x 10	1
FCM528	125	330	270	300	37	189	212	23	206	162	42	M24		22228K	H328	250 x 15	2
														23228K	H2328	250 x 10	1
FCM530	135	350	290	320	40	199	222	23	218	170	42	M30		22230K	H330	270 x 16.5	2
														23230K	H2330	270 x 10	1
FCM532	140	370	300	340	45	208	231	23	230	180	40	M30		22232K	H332	290 x 17	2
														23232K	H2332	290 x 10	1

Unless specified "B" type open covers supplied. One housing per set should include spacer rings. When ordering specify both cover and housing sealing required.

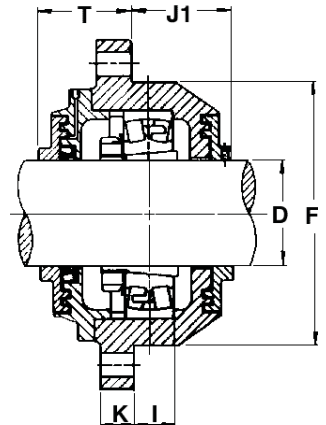


# HOUSINGS

## Flange Housings RFS 500 Medium Duty



Felt Seal Standard on  
RFS Housings



Labyrinth 'LS' Seal & LS  
Taconite Seal Available Against  
Order.

### Note:

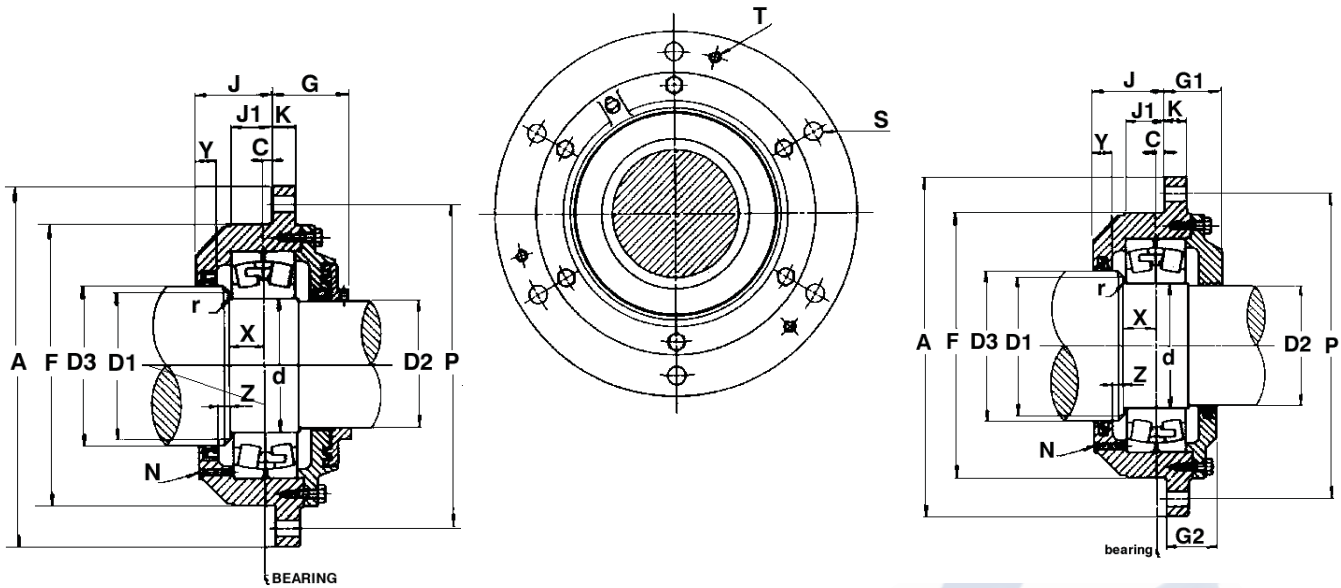
RFS 508 - RFS 522 Inclusive are 4 Bolt Mounting Housing, as shown.  
RFS 524 - RFS 528 Inclusive are 6 Bolt Mounting Housing.

Unit No.	Shaft Dia.		Dimensions (mm)													Hole Dia. S		Bolt Dia.	Bearing No.		Adapter Sleeve No.		Spacer Ring	
	(in)	(mm)	A	A1	P	E	F	J	J1	K	G	T	I	X	4H	6H	Ball		Roller	Metric	Inch	No.	Qty	
RFS508	1-1/4	35	152	133	130	92	108	40	56	17	36	55	24	13	12		M10	1208K 2208K	22208K	H208 H308	HE208 HE308	80 x 7.5 80 x 10	2 1	
RFS509	1-1/2	40	159	140	136	97	114	40	55	17	36	55	21	17	13		M12	1209K 2209K		H209 H309	HE209 HE309	85 x 6 85 x 8	2 1	
																		22209K		H309 H309	HE309 HE309	85 x 8 85 x 8	1	
RFS510	1-3/4	45	162	143	136	97	118	46	61	17	35	54	24	15	13		M12	1210K 2210K	22210K	H210 H310	HE210 HE310	90 x 6.5 90 x 10	2 1	
RFS511	2	50	181	162	152	107.5	127	49	66	19	38	59	22	19	15		M12	1211K 2211K		H211 H311	HE211 HE311	100 x 6 100 x 8	2 1	
																		22211K		H311 H311	HE311 HE311	100 x 8 100 x 8	1	
RFS513	2-1/4	60	197	175	165	117	145	53	72	19	43	63	30	19	15		M12	1213K 2213K	22213K	H213 H313	HE213 HE313	120 x 10 120 x 12	2 1	
RFS515	2-1/2	65	222	187	190	134.5	164	52	72	24	47	69	25	25	17		M16	1215K 2215K		H215 H315	HE215 HE315	130 x 8 130 x 10	2 1	
																		22215K		H315 H315	HE315 HE315	130 x 10 130 x 10	1	
RFS516	2-3/4	70	235	200	200	142	175	54	79	25	53	76	27	27	17		M16	1216K 2216K	22216K	H216 H316	HE216 HE316	140 x 8.5 140 x 10	2 1	
RFS517	3	75	251	216	219	155	186	59	80	24	56	75	32	27	20		M16	1217K 2217K		H217 H317	HE217 HE317	150 x 9 150 x 10	2 1	
																		22217K		H317 H317	HE317 HE317	150 x 10 150 x 10	1	
RFS518	3-1/4	80	270	235	229	162	200	57	80	28	61	90	33	29	22		M20	1218K 2218K	22218K	H218 H318	HE218 HE318	160 x 16.2 160 x 11.2	2 2	
RFS520	3-1/2	90	276	251	245	173	206	59	83	29	62	88	38	33	22		M20	1220K 2220K		H320 H320	HE320 HE320	180 x 12.1 180 x 12.1	2 2	
																		22220K		H320 H320	HE320 HE320	180 x 12.1 180 x 12.1	2	
RFS522	4	100	335	280	292	206.5	250	70	91	29	71	91	47	35	22		M20	1222K 2222K	22222K	H222 H322	HE222 HE322	200 x 21 200 x 13.5	2 2	
RFS524	4-1/4	110	355	308	304	152	265	74	93	32	73	93	39	46		22	M20	22224K		H3124	HE3124	215 x 14	1	
																		22226K		H3126	HE3126	230 x 13	1	
RFS526	4-1/2	115	374	332	324	162	280	73	92	32	78	99	44	48		26	M24		22228K	H3128	HE3128	250 x 15	1	
RFS528	5	125	410	366	343	171.5	300	76.5	99	32	76	100	47.5	50		26	M24							

Unless specified "B" type open cover supplied. One housing per set should include spacer rings.

# HOUSINGS

## Flange Housings CFCN 2220 Heavy Duty



### Notes:

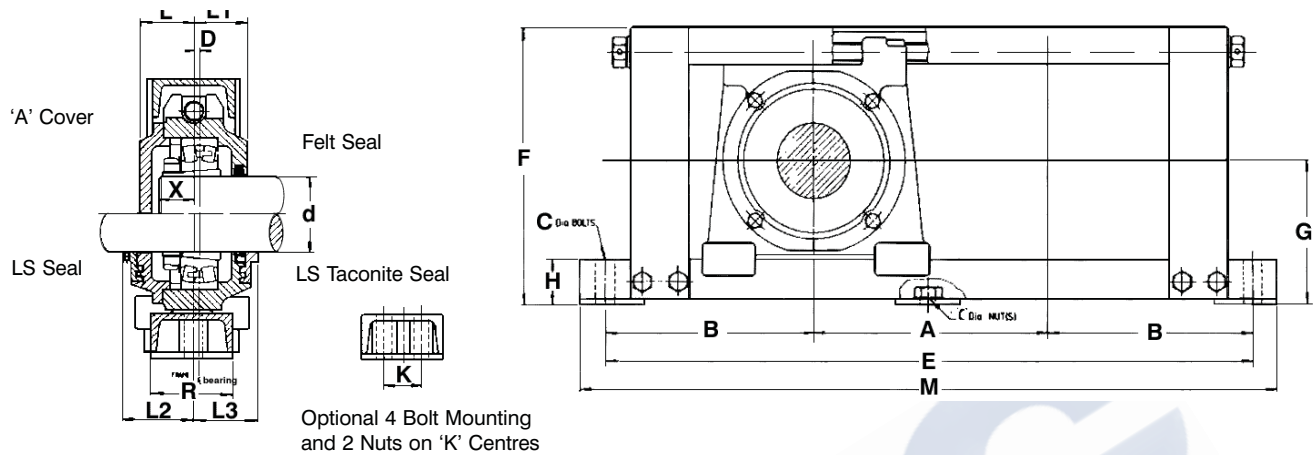
- Specify required sealing for both housing and cover when ordering.
- Z Seals are not available for shafts above 140 diameter.
- Dimension "X" may vary with fitting arrangements. Please check your application.
- Spigot Dimension 'F' machined h6 Tol. Recommended Tol. when boring for dead shaft pulleys end plate:  
K7 for Normal Transition Fit  
N7 for Heavy Transition Fit.
- Standard tolerance for "d" stationary shaft = g6.

### Notes:

- CFCN 22208 - CFCN 22224 Inclusive are 4 Bolt Mounting Housing.  
CFCN 22226 - CFCN 23160 Inclusive are 6 Bolt Mounting Housing, as shown.

Unit No.	Dimensions (mm)																	Max	S	S	T	T	N	Spher.
	d	D1	D2	D3	A	P	F	J	J1	G	G1	G2	K	Y	C	X	Z	Shaft	4 Bolt	6 Bolt	2 Hole	3 Hole	3 Hole	Roller
CFCN22208	40	47	35	60	168	140	114.30	41	13	45	38	31	10	12	6.5	13	9.5	1	M12		M10			22208
CFCN22209	45	52	40	60	181	152	127.00	43	16	45	42	35	13	12	6.5	13	9.5	1	M12		M10			22209
CFCN22210	50	59	45	60	194	165	139.70	43	19	54	46	39	13	16	6.5	13	7.5	1.5	M12		M10			22210
CFCN22211	55	64	50	65	206	178	152.40	41	22	55	41	35	14	13	6.5	14	7.5	1.5	M12		M10			22211
CFCN22212	60	69	55	70	229	194	161.94	39	24	57	46	39	14	12	6.5	15.5	4.5	1.5	M12		M10			22212
CFCN22213	65	74	60	75	231	194	161.94	45	24	57	46	39	16	14	6.5	17	7.5	1.5	M12		M10			22213
CFCN22214	70	79	65	80	235	200	168.30	51	24	65	51	45	16	15	6.5	17	12.5	1.5	M16		M12			22214
CFCN22215	75	84	70	85	241	206	174.65	57	24	65	52	47	19	17	6.5	17	16.5	1.5	M16		M12			22215
CFCN22216	80	90	75	90	241	206	174.65	57	24	66	56	44	19	16	6.5	18	16.5	2	M16		M12			22216
CFCN22217	85	95	80	95	254	222	190.50	57	25	67	52	42	19	16	6.5	20	14.5	2	M16		M12			22217
CFCN22218	90	100	85	100	276	241	209.56	60	29	69	57	46	19	18	6.5	22	13	2	M16		M12			22218
CFCN22220	100	112	90	120	327	289	250.84	70	32	77	63	52	22	20	10	25	16	2	M20			M12	M6	22220
CFCN22222	110	122	100	130	343	305	266.70	70	32	76	67	55	22	20	10	27.5	12.5	2	M20			M12	M8	22222
CFCN22224	120	132	115	140	355	318	279.40	70	32	76	59	49	25	20	10	31	9	2	M20			M12	M8	22224
CFCN22226	130	144	125	150	381	337	292.10	74	35	85	65	55	28	20	10	34	12	2.5		M16		M12	M8	22226
CFCN22228	140	154	135	160	406	349	304.20	77	38	87	67	59	32	20	10	36	11	2.5		M20		M16	M8	22228
CFCN22230	150	164	140	180	436	391	330.70	85	41	93	73	65	30	20	10	40	14.5	2.5		M20		M16	M8	22230
CFCN22232	160	174	150	180	442	397	350.00	93	44	94	75		33	20	13	43.5	16.5	2.5		M20		M16	M8	22232
CFCN23134	170	188	160	200	460	400	342.90	102	51	92	80		33	25	13	48	16	3		M22		M16	M10	23134
CFCN23136	180	198	170	200	480	420	361.95	106	51	100	81		33	25	13	52	21	3		M22		M16	M10	23136
CFCN23138	190	208	180	220	508	444	381.00	110	51	104	85		33	25	13	56	16	3		M24		M20	M10	23138
CFCN23140	200	218	190	220	552	483	419.10	114	65	108	87		38	25	13	61	15	3		M24		M20	M10	23140
CFCN23144	220	238	200	240	571	508	444.50	123	65	119	94		38	25	13	65	20	3		M30		M20	M10	23144
CFCN23148	240	258	220	260	624	550	469.90	170	65	110	79		38	30	38	69	33	3		M30		M20	M12	23148
CFCN23152	260	280	240	280	660	584	508.00	184	65	123	86		38	30	38	77	39	4		M30		M20	M12	23152
CFCN23156	280	300	260	300	685	610	533.40	187	76	125	88		44	30	38	79	40	4		M36		M20	M12	23156
CFCN23160	300	322	280	340	724	648	571.50	194	76	132	89		44	30	38	86	40	4		M36		M20	M12	23160

Felt Seal Standard on TU Housings.  
Labyrinth LS Seal & LS Taconite Seals Available Against Order.

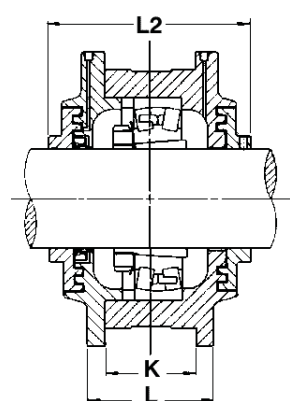
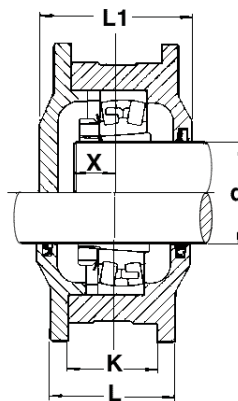
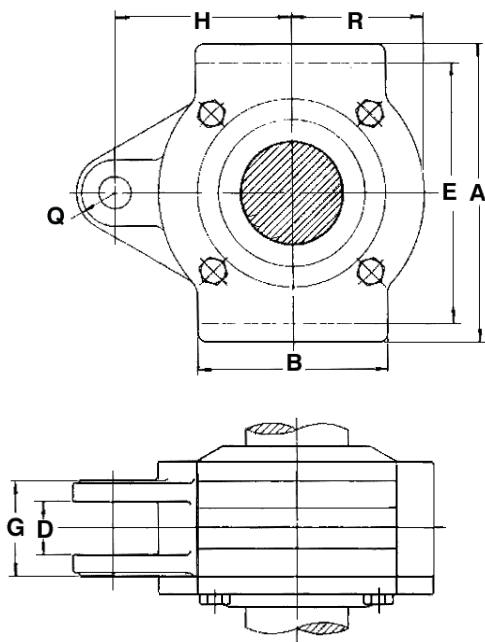


Unit Nb	Housing No.	Shaft Dia, d		Dimensions (mm)																Bearing No.		Adapter Sleeve		Spacer Ring	Allow. Frame kN
		(in)	(mm)	A	B	C	M	E	F	G	H	K	R	L	L1	L2	L3	X	U	Ball	Roller	Metric	Inch		
TU511-500	TU511	2	50	500	187	M16	938	874	213	107.5	44	76	52	52	67	67	25	0	1211K		H211	HE211	2-100 x 6	49.00	
																		4	2211K		H311	HE311	1-100 x 8		
																		4		22211K	H311	HE311	1-100 x 8		
TU513-500	TU513	2-1/4	60	500	219	M16	1014	938	230	117	44	40	76	50	50	70	70	24	5	1213K		H213	HE213	2-120 x 10	49.00
																		12	2213K		H313	HE313	1-120 x 12		
																		12		22213K	H313	HE313	1-120 x 12		
TU515-500	TU515	2-1/2	65	500	224	M16	1024	948	242	123.5	44	40	76	55	55	76	76	30	0	1215K		H215	HE215	2-130 x 8	49.00
																		4.5	2215K		H315	HE315	1-130 x 10		
																		4.5		22215K	H315	HE315	1-130 x 10		
TU516-500	TU516	2-3/4	70	500	228	M16	1031	956	255	133	44	40	76	56	56	83	83	32	-1.5	1216K		H216	HE216	2-140 x 8.5	58.80
																		3.5	2216K		H316	HE316	1-140 x 10		
																		3.5		22216K	H316	HE316	1-140 x 10		
TU517-500	TU517	3	75	500	245	M16	1050	990	298	158	59	50	102	60	60	84	84	34	0	1217K		H217	HE217	2-150 x 9	58.80
																		5	2217K		H317	HE317	1-150 x 10		
																		5		22217K	H317	HE317	1-150 x 10		
TU518-500	TU518	3-1/4	80	500	245	M16	1050	990	298	158	59	50	102	60	60	84	84	34	0	1218K		H218	HE218	2-160 x 10	58.80
																		5	2218K		H318	HE318	1-160 x 10		
																		5		22218K	H318	HE318	1-160 x 10		
TU520-500	TU520	3-1/2	90	500	268	M16	1122	1036	316	167	59	50	102	68	68	92	92	39	5	1220K		H220	HE220	2-180 x 12.1	58.80
																		11	2220K		H320	HE320	1-180 x 12.1		
																		11		22220K	H320	HE320	1-180 x 12.1		
TU522-500	TU522	4	100	500	285	M16	1153	1070	340	174	59	50	102	71	71	96	96	41	5	1222K		H222	HE222	2-200 x 12.5	58.80
																		10	2222K		H322	HE322	1-200 x 10		
																		10		22222K	H322	HE322	1-200 x 10		
TU524-500	TU524	4-1/4	110	500	316.5	M24	1208	1133	432	224	84	75	152	98	94	127	116	53	5	22224K		H3124	HE3124	2-215 x 17.8	68.60
																		13.5		23224K	H2324	HE2324	1-215 x 17.6		
TU526-500	TU526	4-1/2	115	500	316.5	M24	1208	1133	432	224	84	75	152	98	94	127	116	58	5	22226K		H3126	HE3126	2-230 x 13	68.60
																		10		23226K	H2326	HE2326	1-230 x 10		
TU528-500	TU528	5	125	500	340	M24	1255	1180	459	239	84	75	152	100	100	122	122	66	5	22228K		H3128	HE3128	2-250 x 15	68.60
																		10		23228K	H2328	HE2328	1-250 x 10		
TU532-500	TU532	5-1/2	140	500	395	M24	1370	1290	501	259	84	75	152	124	100	152	130	76	4.5	22232K		H3132	HE3132	2-290 x 17	68.60
																		9.5		23232K	H2332	HE2332	1-290 x 10		
TU534-500	TU534	6	150	500	440	M30	1470	1380	525	263	88	100	206	135	108	162	134	73	4.5	23134K		H3134	HE3134	2-280 x 15	78.40

Housing travel lengths, other than 500mm, are available against order.  
Larger size housings available on request.  
Unless specified "B" type open covers and 2 bolt frame mounting supplied.  
One housing per set should include spacer rings.

# HOUSINGS

## Take-Up Housings TH 500 Medium Duty



Felt Seal Standard on TH Housings.

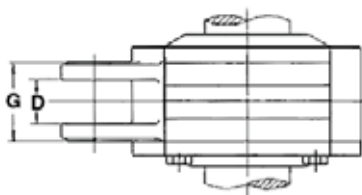
Labyrinth LS Seal & LS Taconite Seals Available Against Order.

Unit No	Shaft Dia. d E M (in)(mm)		Dimensions (mm)													Pin Dia	Bearing		Adapter		Spacer		Hole Dia	
			E	K	A	L	H	O	G	B	Q	R	L1	L2	X		No	Roller	Sleeve No	Inch	Ring No.	Qty		
TH508	1-1/4	35	104.77	53.97	124	73	76	28	51	89	25	52	82	114	22.2	19.05	1208K		H208	HE208	80 x 5	2	21	
																	2208K		H308	HE308	80 x 7.5	1		
																		22208K		H308	HE308	80 x 10	1	
TH509	1-1/2	40	104.77	53.97	124	73	76	28	51	89	25	52	82	114	23.8	19.05	1209K		H209	HE209	85 x 6	2	21	
																	2209K		H309	HE309	85 x 8	1		
																		22209K		H309	HE309	85 x 8	1	
TH510	1-3/4	45	120	54	140	75	90	30	50	100	25	65	90	120	25.4	19.05	1210K		H210	HE210	90 x 6.5	2	21	
																	2210K		H310	HE310	90 x 10	1		
																		22210K		H310	HE310	90 x 10	1	
TH511	2	50	120	54	140	75	90	30	50	100	25	65	90	120	27.0	19.05	1211K		H211	HE211	100 x 6	2	21	
																	2211K		H311	HE311	100 x 8	1		
																		22211K		H311	HE311	100 x 8	1	
TH513	2-1/4	60	152.40	68	171	86	110	32	57	114	25	82	102	133	28.5	19.05	1213K		H213	HE213	120 x 10	2	21	
																	2213K		H313	HE313	120 x 12	1		
																		22213K		H313	HE313	120 x 12	1	
TH515	2-1/2	65	165	68	185	90	120	32	65	115	30	90	110	155	30.1	19.05	1215K		H215	HE215	130 x 8	2	21	
																	2215K		H315	HE315	130 x 10	1		
																		22215K		H315	HE315	130 x 10	1	
TH516	2-3/4	70	197	79.4	222	105	135	41	73	140	28	102	121	159	36.5	22.2	1216K		H216	HE216	140 x 8.5	2	24	
																	2216K		H316	HE316	140 x 10	1		
																		22216K		H316	HE316	140 x 10	1	
TH517	3	75	197	79.4	222	105	135	41	73	140	28	102	124	162	41.3	22.2	1217K		H217	HE217	150 x 9	2	24	
																	2217K		H317	HE317	150 x 10	1		
																		22217K		H317	HE317	150 x 10	1	
TH518	3-1/4	80	196.9	77	222	106	140	41	76	152	32	108	121	159	39.7	25.4	1218K		H218	HE218	160 x 16.2	2	27	
																	2218K		H318	HE318	160 x 11.2	2		
																		22218K		H318	HE318	160 x 11.2	2	
TH520	3-1/2	90	212.7	77	241	106	152	41	77	152	35	117	122	160	44.4	28.57	1220K		H220	HE220	180 x 12.1	1	30	
																					180 x 10	1		
																	2220K		H320	HE320	180 x 10	1		
																		22220K		H320	HE320	180 x 10	1	
TH522	4	100	241.30	90.49	279	128	190	44	89	203	38	127	156	194	50.8	31.75	1222K		H222	HE222	200 x 21	2	33.5	
																	2222K		H322	HE322	200 x 13.5	2		
																		22222K		H322	HE322	200 x 13.5	2	

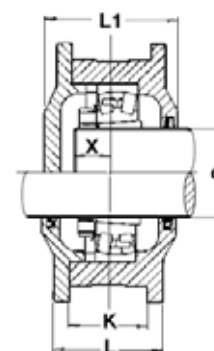
Unless specified "B" type covers supplied. One housing per set should include spacer rings.

## Take-Up Housings

### THM 500 Medium Duty Metric



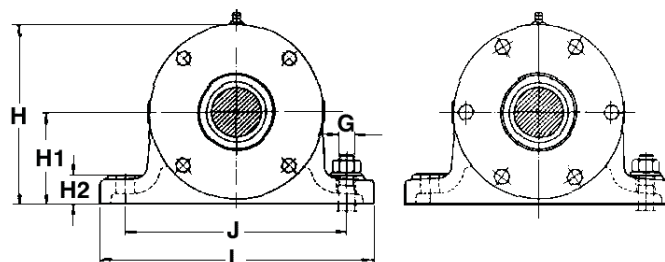
Labyrinth LS Seal & LS Taconite Seals  
Available Against Order.



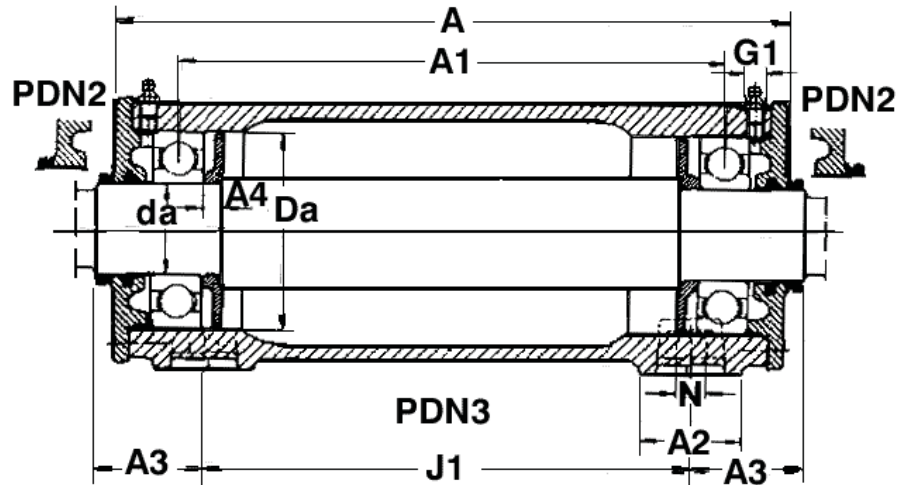
Unless specified “B” type open covers supplied.  
One housing per set should include spacer rings.  
Larger THM size housings to suit 231 series are available on request.



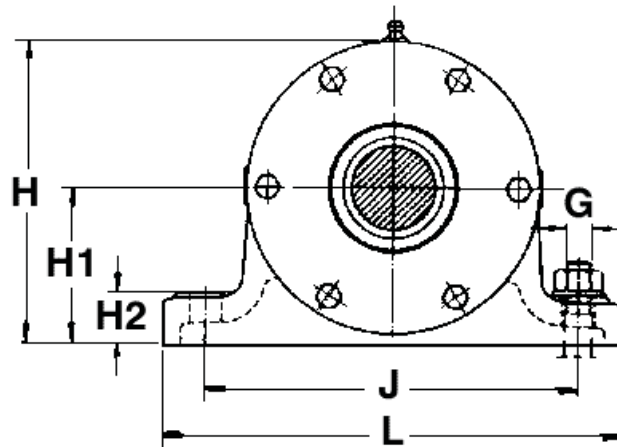
25-90 mm







Shaft		Housing Dimensions														Mass	
Dia.	Designation	A	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>	D <sub>a</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	G	G	
d <sub>a</sub>																	
95	PDN 319	648	540	90	94	13	200	253	125	36	320	480	400	24	20	G 1/4	82.5
100	PDN 220	588	493	80	83.5	12	180	225	112	30	290	440	350	19	16	G 1/4	60.0
	PDN 320	673	570	95	96.5	11.5	215	264	130	40	320	500	400	24	20	G 1/4	92.5
110	PDN 222	634	547	90	88	13	200	253	125	36	320	480	400	24	20	G 1/4	81.0
	PDN 322	686	580	95	94.5	10	240	296	150	40	380	520	450	28	24	G 1/4	115
120	PDN 224	672	577	95	97	11.5	215	264	130	40	320	500	400	24	20	G 1/4	90.0
	PDN 324	707	600	100	96	11.5	260	322	160	40	410	538	500	35	30	G 1/4	135



Shaft Dia. $d_a$	Appropriate Bearing	Separate Components V-ring	Felt Strip	Two-Bearing Unit**		Permissible Speed Grease Lubr	Mass
				Designations Unit, incl. shaft	Shaft		
95	6319	V-95 A	FS 370	PDNB 319	VJ-PDNB 319	3200	155
100	6220	V-100 A	FS 460	PDNB 220	VJ-PDNB 220	3400	130
	6320	V-100 A	FS 460	PDNB 320	VJ-PDNB 320	3000	175
110	6222	V-110 A	FS 460	PDNB 222	VJ-PDNB 222	3000	175
	6322	V-110 A	FS 460	PDNB 322	VJ-PDNB 322	2600	225
120	6224	V-120 A	FS 460	PDNB 224	VJ-PDNB 224	2800	205
	6324	V-120 A	FS 460	PDNB 324	VJ-PDNB 324	2400	275

\*\*Two-bearing units complete with shaft and bearings assembled ready for mounting can be supplied.

### QM Blue Brute Bearings

Impressive  
Performance

#### Advantages

- Longer and more consistent of operations
- Reduce Downtime
- Maximize and Improve Productivity
- Save Money and Reduce Costs
- Improve Reliability of your operations

#### More Benefits

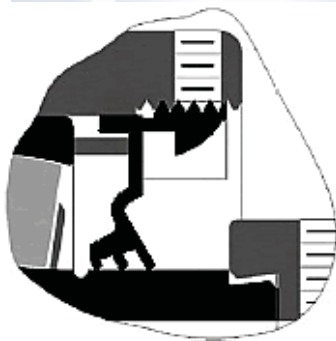
- Increased Bearing Service Life
- Extended Maintenance Intervals
- Lower Running Temperature
- Lower Vibration and Noise Levels
- Greater Throughput of Machine
- Improved Product Quality
- Simplified/Faster Assembly Procedures

### Sealing Arrangements

Blue Brute bearings are offered with a large number of primary and secondary sealing options. We assemble our bearings to order and different combinations of seals can be shipped easily from stock.

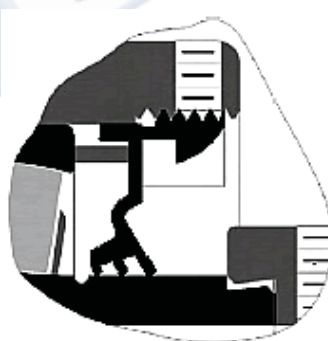
#### Primary Seals

These seals are installed between the inner ring of the bearing and the housing. They are held securely in place by our assembly nut. Primary seals can be contacting or non-contacting, purging or non-purging and are available in several material compounds for different applications.



**Standard Seal - 'M'**  
**Contacting, self purging**

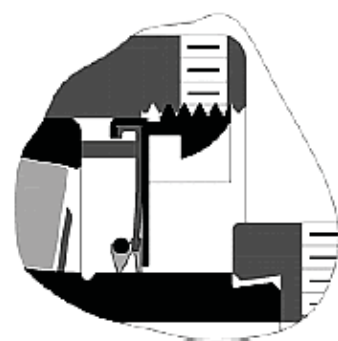
This seal is a triple lip seal, medium contact. The 'M' seal offers superior sealing in moist and dirty applications. Our 'M' seals provide excellent lubrication retention, but will allow excess grease to purge from the bearing cavity. The 'M' seal is made from **Nitrile** rubber and has excellent chemical resistance. This seal is also completely coated with rubber for corrosion resistance.



**Triple Lip Seal - 'N'**  
**Contacting, self purging**

This seal is a triple lip seal, medium contact. The 'N' seal is made with **Viton\*** has excellent chemical and abrasion resistance and operates at higher temperatures than nitrile rubber.

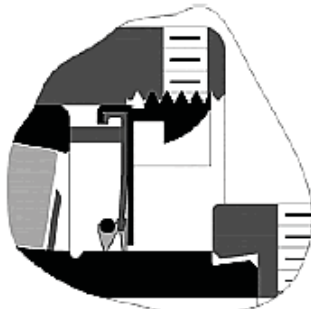
The seal is similar to our 'M' seal.



**Double Lip Seal - 'B'**  
**Contacting, non purging**

This seal incorporates a double lip seal of **Nitrile** rubber with a garter spring for maximum contact. It is complete with a heavy duty steel shield that protects the seal from larger pieces of debris that might damage the rubber seal. This seal works well in applications with oil lubrication and is designed for extreme moisture, fine dust or extremely dirty applications.

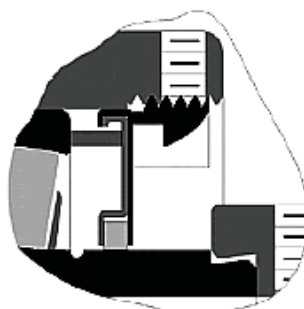
### Primary Seals



**Double Lip Seal - 'C'**  
Contacting, non-purging

This seal is the same as the 'B' seal except it is manufactured with (Viton\*) seal material. Viton\* has excellent chemical and abrasion resistance and operates at higher temperatures than our standard nitrile rubber seal.

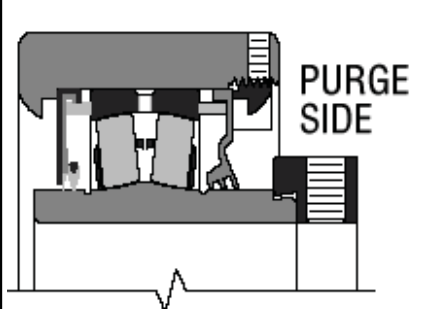
*\*Viton is a registered trade mark of Dupont*



**Teflon Seal - 'T'**  
non-contacting, non-purging

The Teflon floating seal consists of a Teflon ring pressed onto the inner ring of the bearing. This Teflon ring floats between two pieces of formed steel. This seal was developed for high speed applications involving dirty conditions or moisture effected areas.

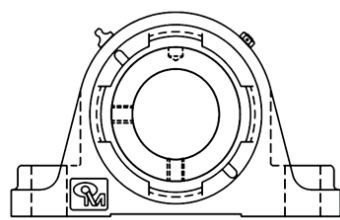
Teflon sustains high temperatures and is impervious to almost all chemicals.



**Combination Seals**

Blue Brute Bearings can be ordered with a combination of different seals within the same bearing. Often a purging seal will be combined with a non-purging seal on the heavily contaminated side.

To order the combination seal just add the second seal letter to the bearing part number. For example: QMP13J207SMB will be shipped with the 'M' seal on the collar side, B seal on the opposite side.



### The Purging Relief Valve 'R'

Purging relief valves, which can be ordered installed on all housing styles. This valve works with 'T', 'B' and 'C' seal installations. The purging relief valve opens at a pre-determined pressure, exhausts and expels lubrication from the bearing cavity where excessive lubricant pressure is not desirable.



*actual size*

**Pressure Relief**

### Secondary Seals

In many circumstances bearings fail due to premature seal failure. This is usually the result of a tough operating environment or over lubrication. QM Bearings has developed secondary sealing covers that offer an extra sealing barrier and protection to the primary seal.

These economical covers are easily outfitted on any Blue Brute bearing unit. They are ordered as separate parts and are not shown in the bearing part number.



**Close End Covers**



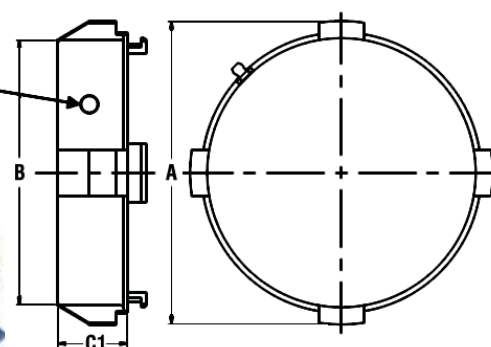
**Open End Covers**



### Blue Brute CS: Close End Cover

These snap on covers are designed to be virtually indestructible and extremely convenient. They are made from structural Urethane and install easily. The cover completely seals the bearing preventing contamination from reaching the primary seal. Every cover is outfitted with a grease fitting to fill the cover cavity for an extra barrier against contamination.

*Grease fitting/  
Pressure Relief Valve*



### CS Urethane Cover Series Dimensions

Cover Part #	A	B	C1
CS08	3.82	3.02	1.25
CS09	4.01	3.21	1.25
CS10	4.21	3.41	1.25
CS11	4.61	3.81	1.25
CS13	5.20	4.57	1.08
CS15	5.09	4.84	1.30
CS17	6.32	5.87	1.22
CS18	6.62	5.87	1.53
CS20	7.56	6.88	1.75
CS22	8.35	7.67	2.07
CS26	9.50	8.81	2.34
CS30	10.69	10.00	2.24

To order a closed end cover, simply pick the size from the bearing size in the part no. :

**QM18J307S**

**Bearing size**

**Close end part no. 'CS'**

**For a closed end cover for the bearing listed above CS18**

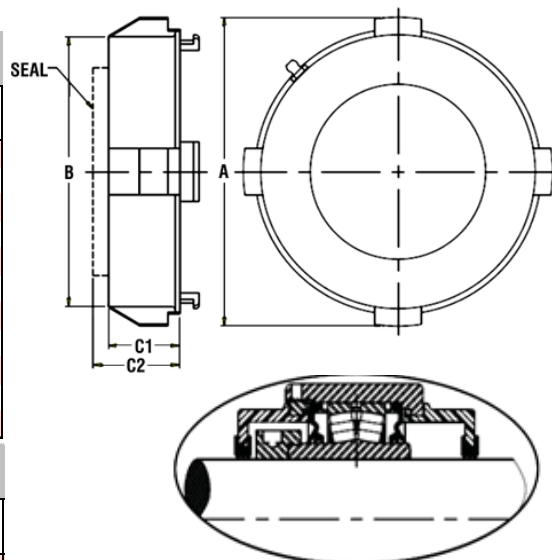


### Blue Brute DR: Open End Covers/Seals

This snap on cover is made from an almost indestructible urethane for repeated use. Our standard triple lip seal made from nitrile rubber or optional Viton\* seal attaches to the open end cover. This triple lip seal can move within the opening to accommodate misalignment while maintaining full contact to the shaft for positive sealing. A grease fitting is installed on the cover so the cover cavity can be filled with grease for extra protection against contamination. The DR seal can be purchased separately. We offer a special order 'QMPPD' triple lip urethane compound seal formulated by QM to handle extreme abrasion resistance requirements. These are special order basis only.

EC & CL Series					
CJDR— C/W DR SEAL DIMENSIONS					
Cover Part #	A	B	C1	C2	
CJDR107	3.82	3.02	1.25	1.35	
CJDR111	4.01	3.21	1.25	1.35	
CJDR115	4.21	3.21	1.25	1.35	
CJDR203	4.61	3.81	1.25	1.35	
CJDR207	5.20	4.57	1.08	1.18	
CJDR215	5.09	4.84	1.30	1.40	
CJDR307	6.62	5.87	1.53	1.63	
CJDR315	7.56	6.88	1.75	1.85	
CJDR407	8.35	7.67	2.07	2.17	
CJDR415	9.50	8.81	2.24	2.34	
CJDR507	10.69	10.00	2.24	2.34	

TA Series					
CKDR— C/W DR SEAL DIMENSIONS					
Cover Part #	A	B	C1	C2	
CKDR115	4.61	3.81	1.25	1.35	
CKDR206	5.20	4.57	1.08	1.18	
CKDR202	5.09	4.84	1.30	1.40	
CKDR215	6.62	5.87	1.53	1.63	
CKDR302	7.56	6.88	1.75	1.85	
CKDR315	8.35	7.67	2.07	2.17	
CKDR407	9.50	8.81	2.24	2.34	



To order an open end cover with 'DR' seal, you require the bearing size and shaft diameter:

**QM18J307S**  
Shaft size

To order an open end cover with a 'DR' seal for the bearing listed **CJDR307**

\* Viton is a registered trade mark for Dupont

### Blue Brute VR /CC: Open End Covers/Seals

This snap on cover is made from an almost indestructible urethane material for repeated use. This cover is supplied with either a nitrile rubber V-Ring to seal against the cover or a CC sealing collar for the complete elimination of entry points. A grease fitting is provided to fill the cavity with grease for an added barrier.

#### 6-Point Sealing System

We have added an additional upgrade to our secondary covers. The CC collar mounts to the shaft and mates into a labyrinth within the cover. The V-ring is held in place by the collar for extra security against contamination. You will not find a better seal on a mounted unit!

#### 6- Point Seals

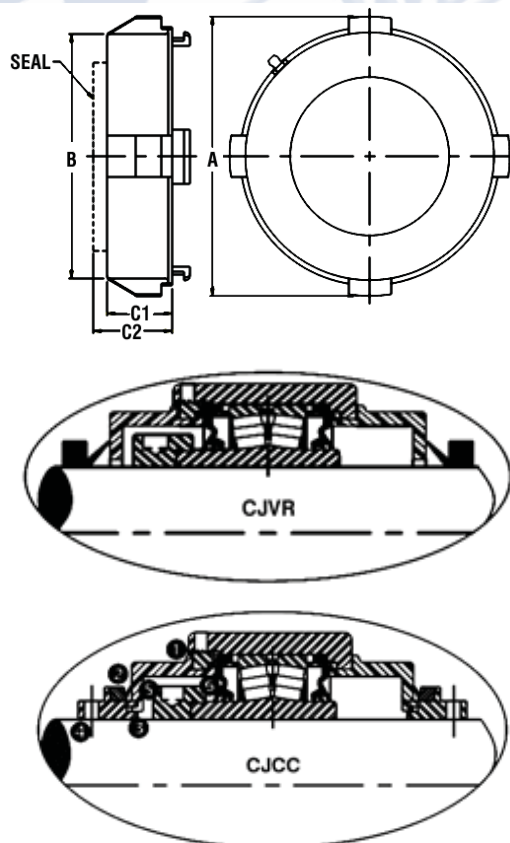
- 1 Cover to housing
- 2 V-ring to cover
- 3 Collar to cover labyrinth
- 4 Collar to shaft
- 5 Grease barrier inside cover
- 6 Primary seal



EC & CL Series					
CJVR— C/W VR SEAL DIMENSIONS					
Cover Part #	A	B	C1	C2	
CJVR08	3.82	3.02	1.25	1.55	
CJVR09	4.01	3.21	1.25	1.60	
CJVR10	4.21	3.21	1.25	1.60	
CJVR11	4.61	3.81	1.25	1.60	
CJVR13	5.20	4.57	1.08	1.43	
CJVR15	5.09	4.84	1.30	1.83	
CJVR18	6.62	5.87	1.53	2.06	
CJVR20	7.56	6.88	1.75	2.28	
CJVR22	8.35	7.67	2.07	2.57	
CJVR26	9.50	9.00	2.24	2.74	
CJVR30	10.70	10.00	2.24	2.74	

TA Series					
CKVR— C/W VR SEAL DIMENSIONS					
Cover Part #	A	B	C1	C2	
CKVR11	4.61	3.81	1.25	1.55	
CKVR13	5.20	4.57	1.08	1.38	
CKVR15	5.09	4.84	1.30	1.60	
CKVR17	6.62	5.87	1.53	1.91	
CKVR20	7.56	6.88	1.75	2.13	
CKVR22	8.35	7.67	2.07	2.45	
CKVR26	9.50	9.00	2.24	2.69	

EC & CL Series					
CJCC— C/W BE SEAL DIMENSIONS					
Cover Part #	A	B	C1	C2	
CJCC115	4.21	3.21	1.25	2.29	
CJCC203	4.61	3.81	1.25	2.29	
CJCC207	5.20	4.57	1.08	2.12	
CJCC215	5.09	4.84	1.30	2.59	
CJCC307	6.62	5.87	1.53	2.88	
CJCC315	7.56	6.88	1.75	3.23	



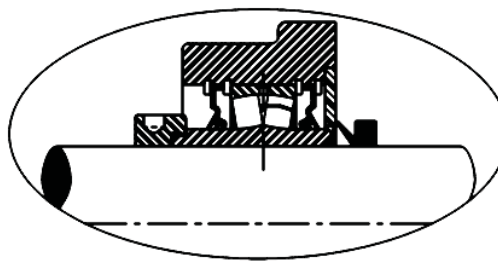
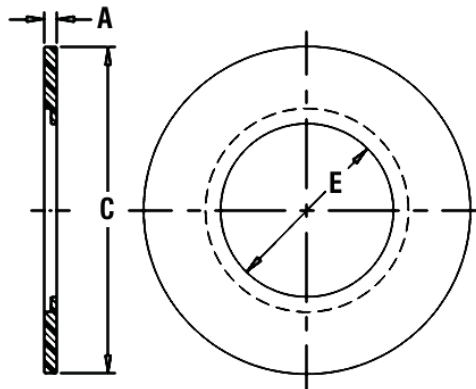
To order an open end cover with 'VR' seal. You only require bearing size, as the VR seal stretches to fit all shaft sizes in the bearing size range. CC collars need to be ordered per shaft size.

**QM18J307S**  
Bearing size

To order an open end cover with a 'VR' seal for the bearing listed **CJVR18**.

### Blue Brute UFP: Secondary Shaft Seal for Flange Blocks

Due to the mounting nature of a flange block, a regular snap-in cover will not work on the back side. For this application, we provide an optional secondary sealing plate that fits flush with the back of the housing and creates a labyrinth over the inner ring. A V-ring can then be fitted over the shaft to provide another contamination barrier, **our CC collars can also be used with the UFP Plate**. The UFP Plate is available with all QM Bearings Flange blocks—square and round.



UFP Seal Series Dimensions

Seal Part #	Width A	O.D. C	L.D. E
UFP11	0.25	4.51	2.35
UFP13	0.20	5.75	2.55
UFP15	0.20	5.77	3.07
UFP18	0.20	7.38	3.56
UFP20	0.20	8.13	4.10
UFP22	0.20	8.50	5.13

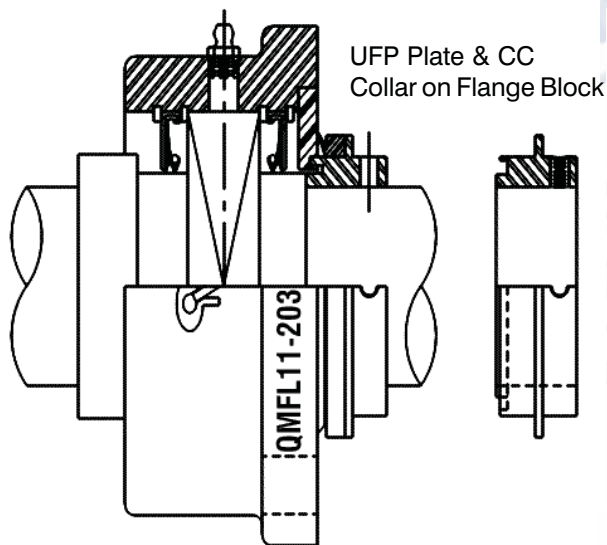


### Blue Brute Secondary Shaft/ Collar /Seal

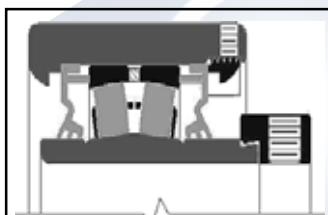
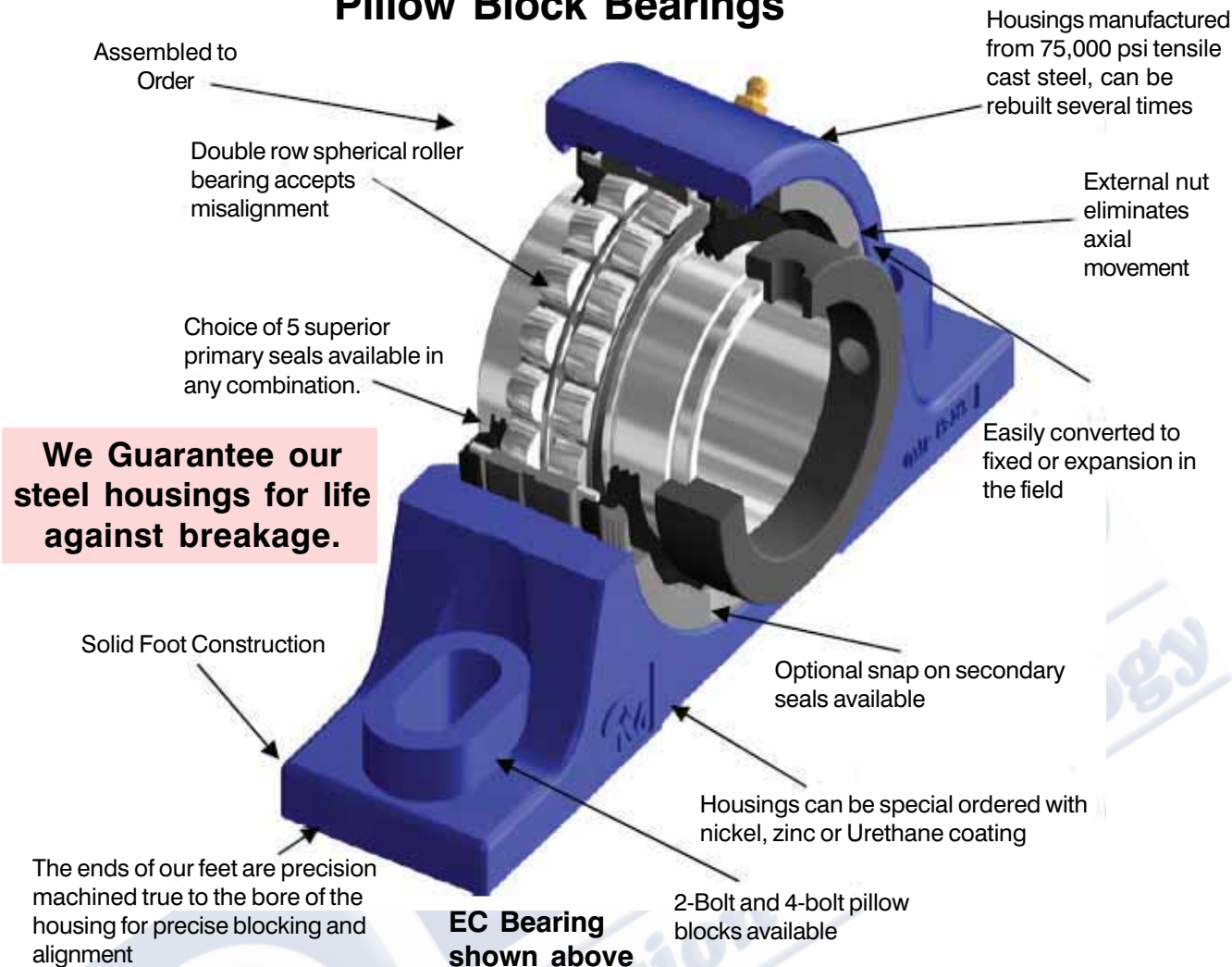
Secondary shaft collar provides an additional sealing arrangement for flange cartridge and flange block style bearings. These collars are used in conjunction with custom UFP plates. These plates are specially designed to accept CC collars.

These seals will help prevent any contamination from entering the bearing from the 'working' area.

They work well in high speed or heavy contamination areas. Please specify bearing part number and CC sealing collar.



## Pillow Block Bearings



**EC - Eccentric Lock**  
Accepts heavy thrust loads

**EC Series -**  
Eccentric Locking Collar

Unsurpassed for holding in heavy thrust, reversing or shock loading.

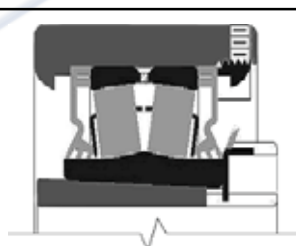
We **guarantee** this bearing will not come loose if installed on a precision ground shaft.



**CL - Set Screw Lock**  
Accepts light thrust loads

**CL Series -**  
Concentric Locking Collar (set screw lock)

Set screw locking 2 set screws @ 60°, provides maximum holding with minimal run out. Knurled point set screws provide positive locking.



**DV / TA**  
**Tapered**  
**Adapter**  
**Lock**

**DV Series -**  
Tapered Adapter Sleeve

DV Bearings are a drop in replacement for common American Set-screw mounted units, results in extremely high load capacities compared to any collar mounted unit. Best concentricity for high speeds.

**TA Series -**  
Tapered Adapter Sleeve

TA Bearings are a direct drop in replacement for SAF/ SN split cap housing dimensions results in superior sealing and integrally robust housing. Best concentricity for high speeds.

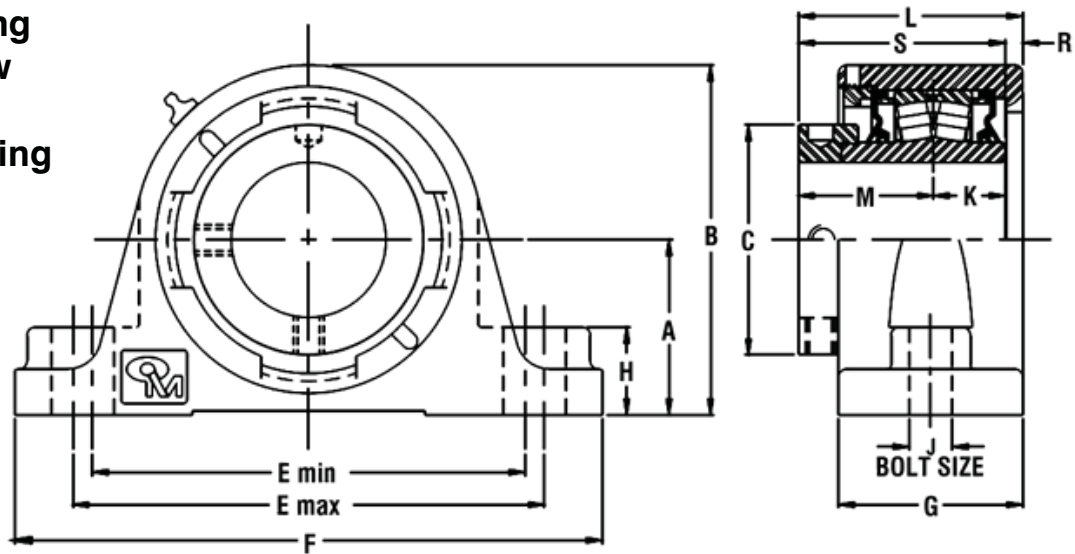


## EC Series - QMPL 2-Bolt Eccentric Lock Pillow Block

**Self aligning  
double row  
spherical  
roller bearing**

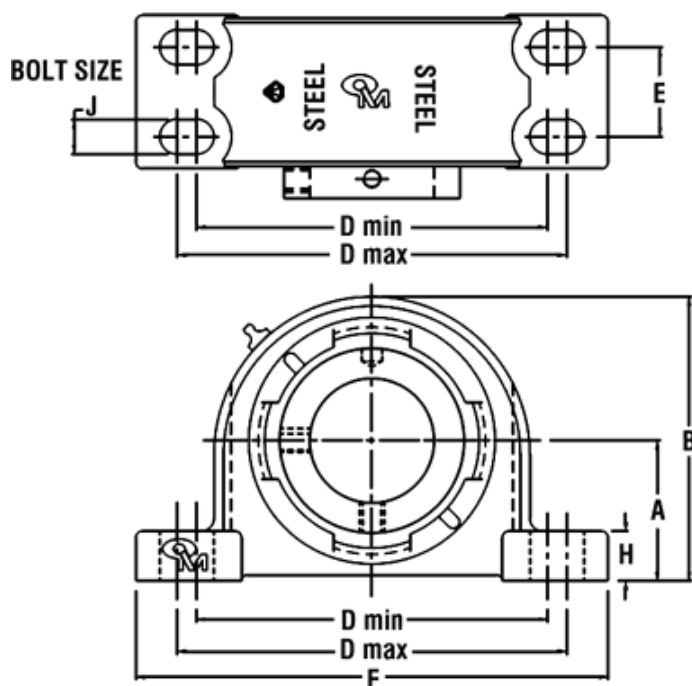
Our steel  
 housings are  
**Guaranteed**  
for life  
against  
breakage.

Our eccentric  
lock is  
**Guaranteed**  
not to come  
loose.



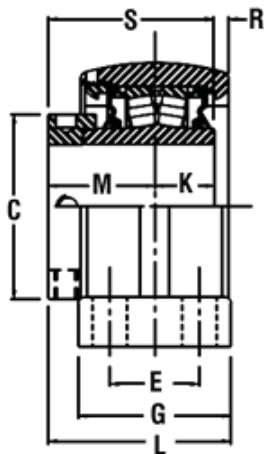
Bearing Part #	Bore	A	B	C	E min	E max	F	G	H	J	K	L	M	R	S	Lbs
QMPL08J107S	1-7/16"	1.88	3.73	2.38	4.69	6.00	6.88	2.25	1.00	1/2	1.00	2.88	1.75	0.13	2.75	8
QMPL08J108S	1-1/2"															
QMPL09J040S	40mm	2.13	4.25	2.63	5.25	5.75	7.12	2.37	1.13	1/2	1.00	3.06	1.88	0.19	2.88	9
QMPL09J111S	1-11/16"															
QMPL09J112S	1-3/4"	2.25	4.50	2.76	5.93	6.36	8.38	2.44	1.25	5/8	0.98	3.10	1.89	0.23	2.87	11
QMPL09J045S	45mm															
QMPL10J115S	1-15/16"	2.50	5.00	2.99	6.50	7.06	8.88	2.50	1.25	5/8	1.13	3.23	2.00	0.11	3.13	14
QMPL10J200S	2"															
QMPL10J050S	50mm	2.75	5.50	3.62	6.81	7.44	9.25	2.90	1.38	5/8	1.24	3.55	2.15	0.17	3.39	19
QMPL11J055S	55mm															
QMPL11J203S	2-3/16"	3.25	6.26	4.01	7.70	8.40	10.44	2.91	1.38	3/4	1.25	3.78	2.37	0.16	3.62	23
QMPL11J204S	2-1/4"															
QMPL13J060S	60mm	3.75	7.50	4.76	9.25	10.75	13.00	3.41	1.88	7/8	1.44	4.32	2.59	0.15	4.03	39
QMPL13J207S	2-7/16"															
QMPL13J208S	2-1/2"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL13J065S	65mm															
QMPL15J211S	2-11/16"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL15J212S	2-3/4"															
QMPL15J070S	70mm	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL15J215S	2-15/16"															
QMPL15J300S	3"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL15J075S	75mm															
QMPL18J303S	3-3/16"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL18J304S	3-1/4"															
QMPL18J080S	80mm	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL18J307S	3-7/16"															
QMPL18J308S	3-1/2"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL18J090S	90mm															
QMPL20J311S	3-11/16"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL20J315S	3-15/16"															
QMPL20J400S	4"	4.25	8.30	6.00	10.04	12.60	14.25	3.65	2.12	1	1.63	4.75	2.96	0.16	4.59	49
QMPL20J100S	100mm															

- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut.  
Reverse the nut by one revolution to achieve recommended end float.



## EC Series - QMPF 4- Bolt Eccentric Lock Pillow Block

Self aligning double row spherical roller bearing



Our steel housings are **Guaranteed** for life against breakage.

Our eccentric lock is **Guaranteed** not to come loose.

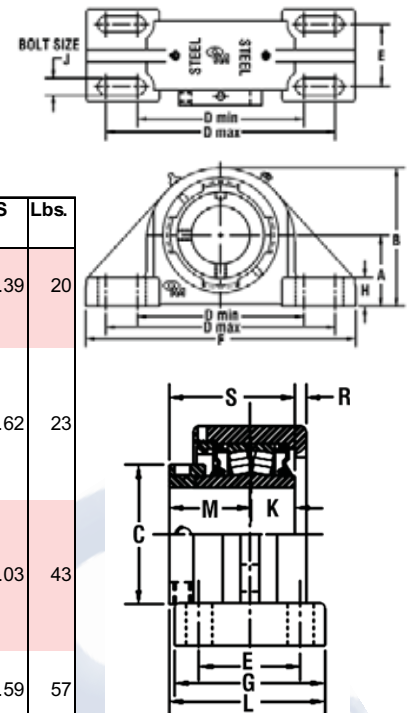
- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.

Bearing Part #	Bore	A	B	C	D min	D max	E	F	G	H	J	K	L	M	R	S	Lbs.
QMPF13J060S	60mm																
QMPF13J207S	2-7/16"																
QMPF13J208S	2-1/2"	2.750	5.57	3.62	6.88	7.63	1.75	9.25	3.00	0.98	5/8	1.24	3.59	2.15	0.17	3.39	17
QMPF13J065S	65mm																
QMPF15J211S	2-11/16"																
QMPF15J212S	2-3/4"																
QMPF15J070S	70mm																
QMPF15J215S	2-15/16"	3.250	6.38	4.01	7.60	9.10	1.88	10.44	3.13	1.29	5/8	1.25	3.89	2.37	0.16	3.62	22
QMPF15J300S	3"																
QMPF15J075S	75mm																
QMPF18J303S	3-3/16"																
QMPF18J304S	3-1/4"																
QMPF18J080S	80mm																
QMPF18J307S	3-7/16"	3.750	7.50	4.76	8.88	10.88	2.00	12.30	3.75	1.56	3/4	1.44	4.31	2.59	0.15	4.03	43
QMPF18J308S	3-1/2"																
QMPF18J090S	90mm																
QMPF20J311S	3-11/16"																
QMPF20J315S	3-15/16"																
QMPF20J400S	4"	4.250	8.29	6.00	10.88	13.38	2.25	14.88	4.31	1.40	3/4	1.63	5.03	2.96	0.16	4.59	57
QMPF20J100S	100mm																
QMPF22B407S	4-7/16"																
QMPF22B408S	4-1/2"	4.750	9.19	6.29	11.88	14.50	2.50	16.13	4.75	1.58	3/4	1.83	5.99	3.70	0.09	5.53	72
QMPF22B115S	115mm																
QMPF26B415S	4-15/16"																
QMPF26B500S	5"	5.500	10.67	6.88	15.13	15.88	2.75	17.50	5.04	1.54	7/8	2.31	6.24	3.72	0.00	6.03	124
QMPF26B130S	130mm																
QMPF30B507S	5-7/16"																
QMPF30B508S	5-1/2"	6.688	13.00	8.07	17.38	19.13	3.75	22.00	6.75	3.00	1	2.99	7.94	4.57	0.38	7.56	235
QMPF30B140S	140mm																
QMPF30B515S	5-15/16"																
QMPF30B600S	6"	6.688	13.00	8.07	17.38	19.13	3.75	22.00	6.75	3.00	1	2.99	7.94	4.57	0.38	7.56	235
QMPF30B150S	150mm																
QMPF34B607S	6-7/16"																
QMPF34B608S	6-1/2"	7.500	15.38	9.25	21.25	23.25	4.63	26.00	7.50	2.50	1	3.35	8.83	5.08	0.22	8.43	360
QMPF34B170S	170mm																
QMPF34B615S	6-15/16"																
QMPF34B700S	7"	7.500	15.38	9.25	21.25	23.25	4.63	26.00	7.50	2.50	1	3.35	8.83	5.08	0.22	8.43	360
QMPF34B180S	170mm																

## EC Series - QMPX 4-Bolt Eccentric Lock Pillow Block

Self aligning double row spherical roller bearing

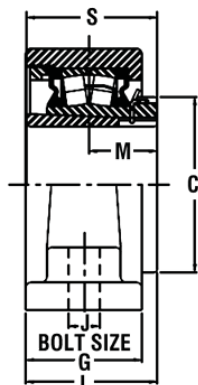
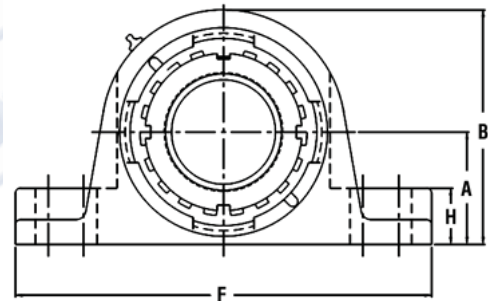
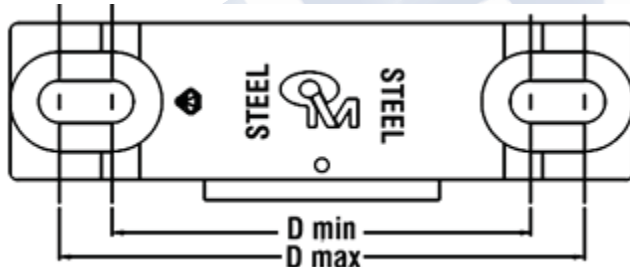
Bearing Part #	Bore	A	B	C	D min	D max	E	F	G	H	J	K	L	M	R	S	Lbs.
QMPX13J060S	60mm																
QMPX13J207S	2-7/16"	3.00	5.82	3.62	6.94	9.56	2.63	11.25	3.88	1.22	3/4	1.24	4.03	2.15	0.17	3.39	20
QMPX13J208S	2-1/2"																
QMPX13J065S	65mm																
QMPX15J211S	2-11/16"																
QMPX15J212S	2-3/4"																
QMPX15J070S	70mm	3.50	6.83	4.01	9.06	10.44	2.75	13.00	4.25	1.54	3/4	1.25	4.45	2.37	0.16	3.62	23
QMPX15J215S	2-15/16"																
QMPX15J300S	3"																
QMPX15J075S	75mm																
QMPX18J303S	3-3/16"																
QMPX18J304S	3-1/4"																
QMPX18J080S	80mm	4.00	7.92	4.76	10.81	12.19	3.00	15.00	4.75	1.50	3/4	1.44	4.81	2.59	0.15	4.03	43
QMPX18J307S	3-7/16"																
QMPX18J308S	3-1/2"																
QMPX18J090S	90mm																
QMPX20J311S	3-11/16"																
QMPX20J315S	3-15/16"	5.00	9.44	6.00	12.50	14.00	3.50	16.75	5.50	1.63	7/8	1.63	4.75	2.96	0.16	4.59	57
QMPX20J400S	4"																
QMPX20J100S	100mm																



Our steel housings are **Guaranteed** for life against breakage. Our eccentric lock is **Guaranteed** not to come loose.

## DV Series - DVP 2-Bolt Tapered Adapter Mount Pillow Block

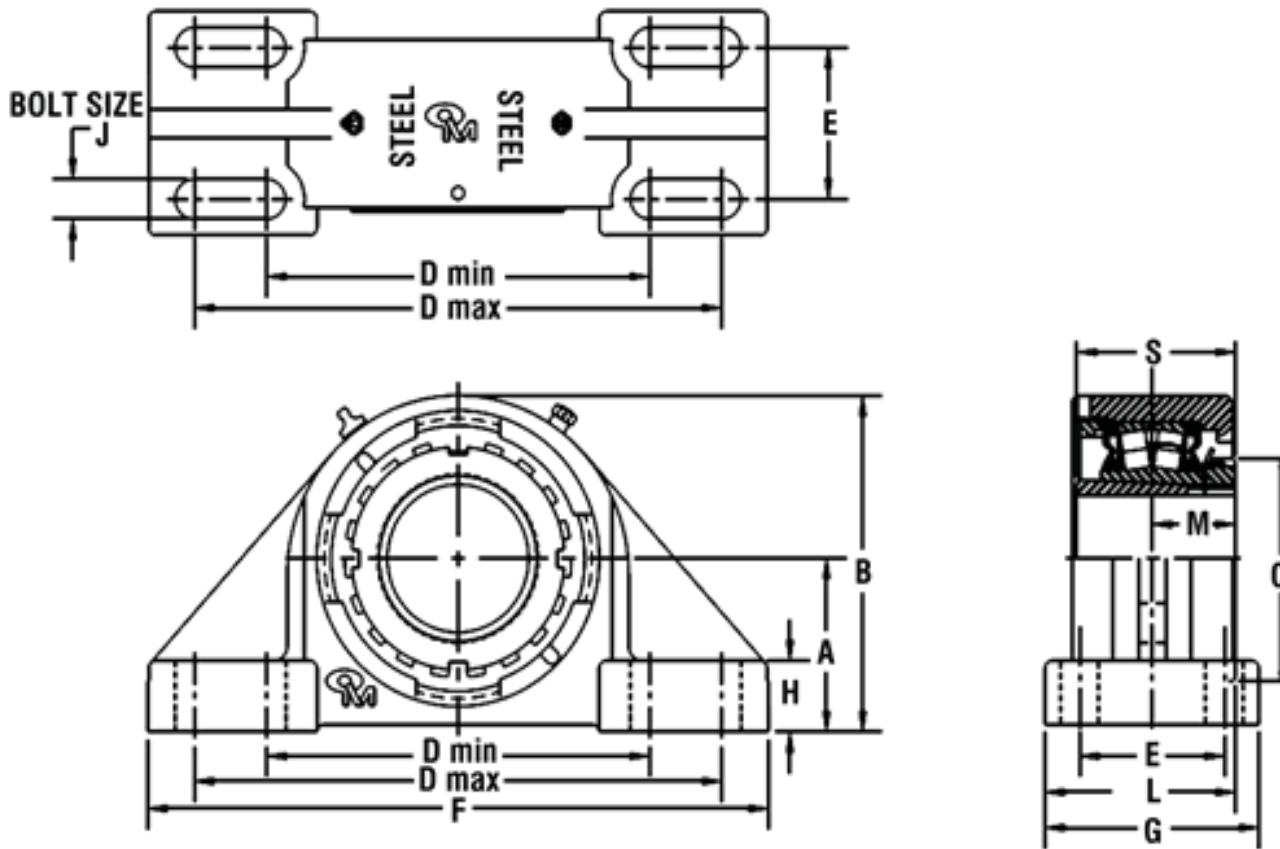
Self aligning double row spherical roller bearing



- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut.  
Reverse the nut by one revolution to achieve recommended end float.

Bearing Part #	Bore	A	B	C	D min	D max	F	G	H	J	L	M	S	Lbs.
DVP11K115S	1-15/16"													
DVP11K200S	2"	2.25	4.60	2.95	6.00	7.12	8.88	2.25	1.25	5/8	2.43	1.24	2.32	12
DVP11K050S	50 mm													
DVP13K203S	2-3/16"													
DVP13K204S	2-1/4"	2.50	5.20	3.35	6.50	7.87	9.63	2.72	1.29	5/8	2.88	1.47	2.56	17
DVP13K060S	60mm													
DVP15K207S	2-7/16"													
DVP15K208S	2-1/2"	2.75	5.75	3.86	6.88	8.63	10.25	2.69	1.38	5/8	2.89	1.54	2.89	20
DVP15K065S	65mm													
DVP17K215S	2-15/16"													
DVP17K300S	3"	3.25	6.63	4.33	7.88	9.62	11.63	2.89	1.38	3/4	3.20	1.72	3.23	27
DVP17K075S	75mm													
DVP20K307S	3-7/16"													
DVP20K308S	3-1/2"	3.75	7.98	5.12	9.38	11.25	13.50	3.27	1.88	7/8	3.78	2.06	3.82	47
DVP20K090S	90mm													
DVP22R315S	3-15/16"													
DVP22R400S	4"	4.25	8.69	5.71	10.06	12.50	14.25	3.96	1.50	1	4.20	2.22	4.13	57
DVP22R100S	100mm													

## TA Series - TAPK 4-Bolt Tapered Adapter Mount Pillow Block Self aligning double row spherical roller bearing



Our steel housings are **Guaranteed** for life against breakage.

Bearing Part #	Bore	A	B	C	D min	D max	E	F	G	H	J	L	M	S	Lbs.
TAPK15K207S	2-7/16"														
TAPK15K208S	2-1/2"	3.500	6.83	3.86	9.06	10.44	2.75	13.00	4.25	1.54	3/4	3.78	1.54	2.87	24
TAPK15K065S	65mm														
TAPK17K215S	2 -15/16"														
TAPK17K300S	3"	4.000	7.92	4.33	10.81	12.19	3.00	15.00	4.75	1.50	3/4	4.02	1.72	3.23	32
TAPK17K075S	75mm														
TAPK20K307S	3-7/16"														
TAPK20K308S	3-1/2"	5.000	9.44	5.12	12.50	14.00	3.50	16.75	5.50	1.63	7/8	4.83	2.06	3.82	60
TAPK20K090S	90mm														
TAPK22R315S	3-15/16"														
TAPK22R400S	4"	5.750	10.73	5.71	13.94	15.56	4.00	18.50	6.25	1.80	1	5.61	2.22	4.13	77
TAPK22R100S	100mm														
TAPK26R407S	4-7/16"														
TAPK26R408S	4-1/2"	6.125	11.15	6.50	15.25	16.75	4.25	20.25	6.75	2.00	1	5.93	2.56	4.76	126
TAPK26R115S	115mm														

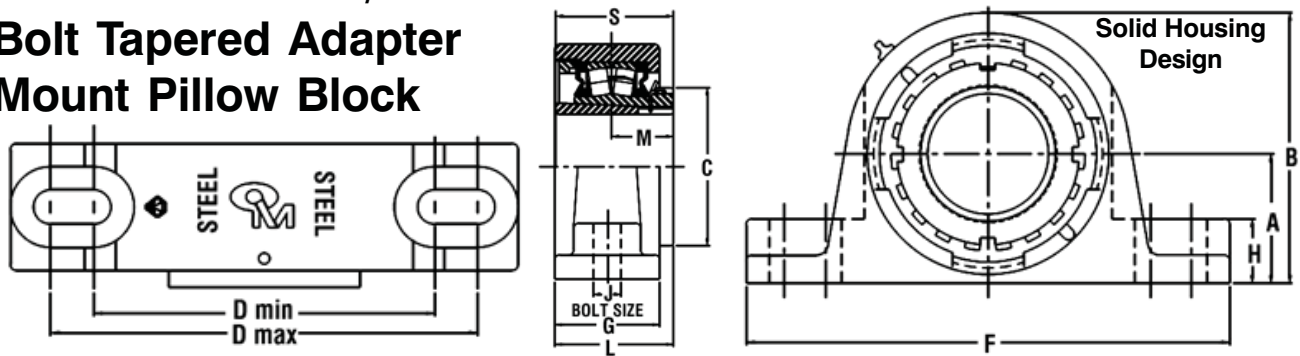
- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut.  
Reverse the nut by one revolution to achieve recommended end float.

# HOUSINGS

**Blue Brute Bearings**  
TA Series

## TA Series - SAF2/SN2 Bolt Tapered Adapter Mount Pillow Block

Self aligning double row spherical roller bearing



**TA Series - SAF2**

Bearing Part #	Bore	A	B	C	D Min	D Max	F	G	H	J	L	M	S	Lbs.
TAPA11K115S	1-15/16"													
TAPA11K200S	2"	2.75	5.09	2.95	6.50	8.70	9.88	2.70	1.25	5/8	2.59	1.24	2.32	14
TAPA11K050S	50mm													
TAPA13K203S	2-3/16"													
TAPA13K204S	2-1/4"	3.00	5.82	3.35	7.20	9.20	10.31	2.69	1.23	5/8	2.85	1.47	2.56	20
TAPA13K060S	60mm													
TAPA15K207S	2-7/16"													
TAPA15K208S	2-1/2"	3.25	6.38	3.86	7.88	9.63	10.88	2.69	1.35	5/8	2.89	1.54	2.87	22
TAPA15K065S	65mm													
TAPA17K215S	2-15/16"													
TAPA17K300S	3"	3.75	7.20	4.33	9.50	11.00	12.63	3.00	1.33	3/4	3.23	1.72	3.23	28
TAPA17K075S	75mm													
TAPA20K307S	3-7/16"													
TAPA20K308S	3-1/2"	4.50	8.45	5.12	10.88	12.88	14.50	3.30	1.63	7/8	3.79	2.06	3.82	55
TAPA20K090S	90mm													
TAPA22R315S	3-15/16"													
TAPA22R400S	4"	4.94	9.38	5.71	12.50	14.50	16.00	3.96	2.00	7/8	4.21	2.22	4.13	74
TAPA22R100S	100mm													
TAPA26R407S	4-7/16"													
TAPA26R408S	4-1/2"	6.00	11.53	6.50	14.25	15.75	17.50	5.04	2.04	1	5.08	2.56	4.76	126
TAPA26R115S	115mm													

**TA Series - SN2**

Bearing Part #	Bore	A	B	C	D Min	D Max	F	G	H	J	L	M	S	Lbs.
TAPN11K115S	1-15/16"													
TAPN11K200S	2"	2.750	5.09	2.95	6.50	8.70	9.88	2.70	1.25	5/8	2.59	1.24	2.32	14
TAPN11K050S	50mm													
TAPN13K203S	2-3/16"													
TAPN13K204S	2-1/4"	3.150	5.97	3.35	7.20	9.20	10.31	2.69	1.38	5/8	2.85	1.47	2.56	20
TAPN13K060S	60mm													
TAPN15K207S	2-7/16"													
TAPN15K208S	2-1/2"	3.150	6.28	3.86	7.88	9.63	10.88	2.69	1.25	5/8	2.89	1.54	2.87	22
TAPN15K065S	65mm													
TAPN17K215S	2-15/16"													
TAPN17K300S	3"	3.740	7.19	4.33	9.50	11.00	12.63	3.00	1.34	3/4	3.23	1.72	3.23	28
TAPN17K075S	75mm													
TAPN20K307S	3-7/16"													
TAPN20K308S	3-1/2"	4.409	8.36	5.12	10.88	12.88	14.50	3.30	1.53	7/8	3.79	2.06	3.82	55
TAPN20K090S	90mm													
TAPN22R315S	3-15/16"													
TAPN22R400S	4"	4.921	9.36	5.71	12.50	14.50	16.00	3.96	2.00	7/8	4.21	2.22	4.13	74
TAPN22R100S	100mm													
TAPN26R407S	4-7/16"													
TAPN26R408S	4-1/2"	5.906	11.43	6.50	14.46	15.75	17.50	5.04	1.94	1	5.08	2.56	4.76	126
TAPN26R115S	115mm													



# HOUSINGS

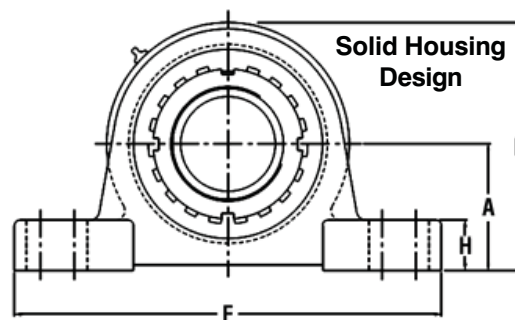
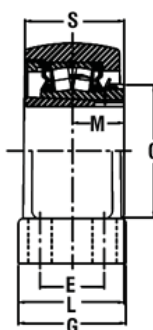
Blue Brute Bearings  
TA Series

## TA Series - SAF4/SN4 Bolt Tapered Adapter Mount Pillow Block

Self aligning double row spherical roller bearing



Bolt  
Size



TA Series - SAF4

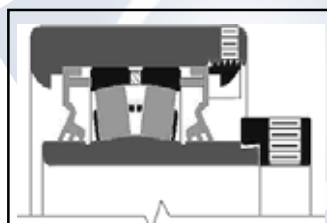
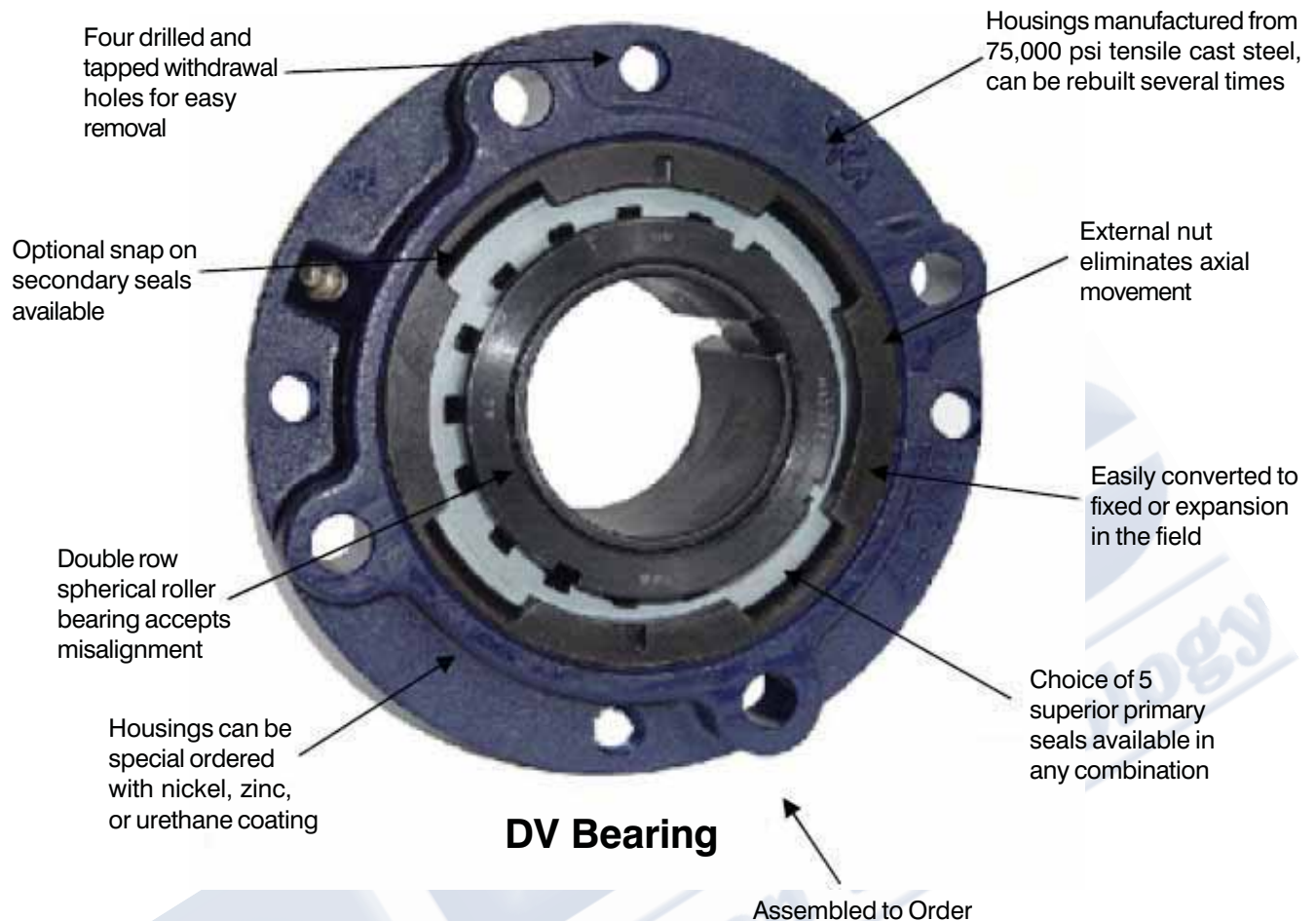
Bearing Part #	Bore	A	B	C	D Min	D Max	E	F	G	H	J	L	M	S	Lbs.
TAPH11K115S	1-15/16"														
TAPH11K200S	2"	2.75	5.15	2.95	**	**	**	9.88	2.72	1.25	5/8	2.59	1.24	2.32	16
TAPH11K050S	50 mm														
TAPH13K203S	2-3/16"														
TAPH13K204S	2-1/4"	3.00	5.82	3.35	**	**	**	10.31	3.25	1.23	5/8	2.72	1.47	2.56	22
TAPH13K060S	60 mm														
TAPH15K207S	2-7/16"														
TAPH15K208S	2-1/2"	3.25	6.38	3.86	7.94	9.69	1.88	10.85	3.13	1.29	5/8	3.10	1.54	2.87	24
TAPH15K065S	65 mm														
TAPH17K215S	2-15/16"														
TAPH17K300S	3"	3.75	7.20	4.33	9.44	11.31	2.06	12.63	3.63	1.26	3/4	3.54	1.72	3.23	32
TAPH17K075S	75 mm														
TAPH20K307S	3-7/16"														
TAPH20K308S	3-1/2"	4.50	8.54	5.12	10.88	13.38	2.38	15.00	4.31	1.65	3/4	4.25	2.06	3.82	60
TAPH20K090S	90 mm														
TAPH22R315S	3-15/16"														
TAPH22R400S	4"	4.94	9.38	5.71	11.88	14.50	2.75	16.00	4.75	1.77	3/4	4.60	2.22	4.13	77
TAPH22R100S	100 mm														
TAPH26R407S	4-7/16"														
TAPH26R408S	4-1/2"	6.00	11.18	6.50	14.75	15.75	3.25	17.50	5.04	2.04	1	5.08	2.56	4.76	126
TAPH26R115S	115 mm														

\*\* Bolt centers 'D min / D max' and 'E' to be determined by customer at time of order

TA Series - SN4

Bearing Part #	Bore	A	B	C	D Min	D Max	E	F	G	H	J	L	M	S	Lbs.
TAPG11K115S	1-15/16"														
TAPG11K200S	2"	2.75	5.10	2.95	7.18	8.56	1.57	9.88	2.70	1.25	5/8	2.59	1.24	2.32	16
TAPG11K050S	50mm														
TAPG13K203S	2-3/16"														
TAPG13K204S	2-1/4"	3.15	5.97	3.35	7.18	8.56	1.89	10.31	3.25	1.38	5/8	2.72	1.47	2.56	22
TAPG13K060S	60mm														
TAPG15K207S	2-7/16"														
TAPG15K208S	2-1/2"	3.15	6.28	3.86	7.94	9.69	1.56	10.85	3.13	1.19	5/8	3.10	1.54	2.87	24
TAPG15K065S	65mm														
TAPG17K215S	2-15/16"														
TAPG17K300S	3"	3.74	7.19	4.33	9.44	11.31	2.06	12.63	3.63	1.25	3/4	3.54	1.72	3.23	32
TAPG17K075S	75mm														
TAPG20K307S	3-7/16"														
TAPG20K308S	3-1/2"	4.41	8.45	5.12	10.88	13.38	2.38	15.00	4.31	1.56	3/4	4.25	2.06	3.82	60
TAPG20K090S	90mm														
TAPG22R315S	3-15/16"														
TAPG22R400S	4"	4.92	9.36	5.71	11.88	14.50	2.75	16.00	4.75	1.75	3/4	4.60	2.22	4.13	77
TAPG22R100S	100mm														
TAPG26R407S	4-7/16"														
TAPG26R408S	4-1/2"	5.91	11.08	6.50	14.75	15.75	3.19	17.50	5.04	1.94	1	5.08	2.56	4.76	126
TAPG26R115S	115 mm														

## Blue Brute® Piloted Flange Cartridge Bearings

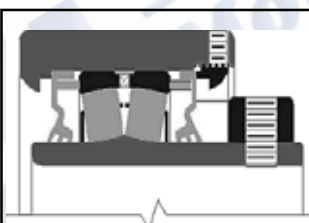


**EC - Eccentric Lock**  
Accepts heavy thrust loads

**EC Series -**  
Eccentric Locking  
Collar

Unsurpassed for holding in heavy thrust, reversing or shock loading.

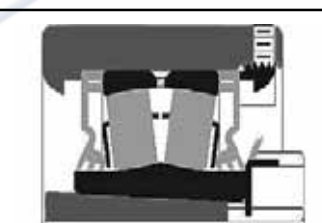
We **guarantee** this bearing will not come loose if installed on a precision ground shaft



**CL - Set Screw Lock**  
Accepts light thrust loads

**CL Series -**  
Concentric Locking  
Collar (set screw lock)

Set screw locking 2 set screws @ 60°, provides maximum holding with minimal run out. Knurled point set screws provide positive locking.



**DV / TA**  
**Tapered**  
**Adapter**  
**Lock**

**DV Series -**  
Tapered Adapter  
Sleeve

DV Bearings are a drop in replacement for common American Set-screw mounted units, results in extremely high load capacities compared to any collar mounted unit. Best concentricity for high speeds.

**TA Series -**  
Tapered Adapter  
Sleeve

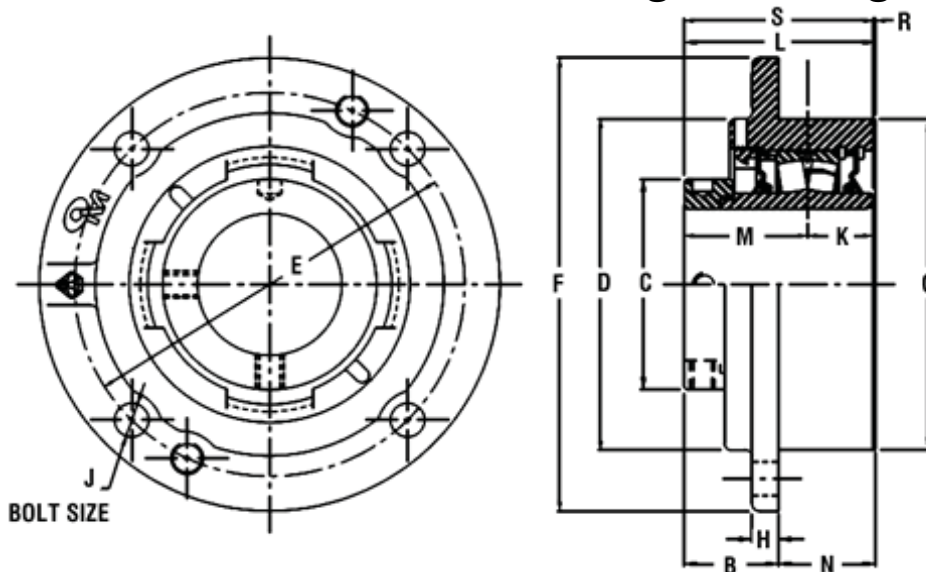
TA Bearings are a direct drop in replacement for SAF/ SN split cap housing dimensions results in superior sealing and integrally robust housing. Best concentricity for high speeds.

## EC Series - QMC Eccentric Lock Flange Cartridge

**Self aligning  
double row  
spherical  
roller bearing**

Our steel housings  
are **Guaranteed**  
for life against  
breakage.

Our eccentric lock  
is **Guaranteed** not  
to come loose.



Bearing Part #	Bore	B fixed	B exp.	B.C.	C	D	F	G	H	J	K	L fixed	L exp.	M	N	R	S	Lbs
QMC08J107S	1-7/16"	1.96	2.04	4.38	2.38	3.63	5.25	3.630	0.50	7/16	1.00	2.90	2.98	1.75	0.94	0.15	2.75	8
QMC08J108S	1-1/2"																	
QMC09J040S	40MM																	
QMC09J111S	1-11/16"	2.15	2.23	5.13	2.63	4.38	6.13	4.250	0.50	7/16	1.00	3.03	3.11	1.88	0.88	0.15	2.88	9
QMC09J112S	1-3/4"																	
QMC09J045S	45mm																	
QMC10J115S	1-15/16"																	
QMC10J200S	2"	1.99	2.07	5.38	2.76	4.47	6.38	4.500	0.63	7/16	0.98	3.05	3.13	1.89	1.06	0.18	2.87	10
QMC10J050S	50mm																	
QMC11J203S	2-3/16"																	
QMC11J204S	2-1/4"	2.14	2.22	6.00	2.99	5.00	7.30	5.000	0.58	1/2	1.13	3.27	3.35	2.00	1.13	14 0.	3.13	13
QMC11J055S	55mm																	
QMC13J060S	60mm																	
QMC13J207S	2-7/16"	2.38	2.46	6.50	3.62	5.50	7.63	5.500	0.69	1/2	1.24	3.50	3.58	2.15	1.13	0.12	3.39	16
QMC13J208S	2-1/2"																	
QMC13J065S	65mm																	
QMC15J211S	2-11/16"																	
QMC15J212S	2-3/4"																	
QMC15J070S	70mm	2.46	2.54	7.50	4.01	6.38	8.75	6.375	0.81	5/8	1.25	3.71	3.79	2.37	1.25	0.09	3.62	22
QMC15J215S	2-15/16"																	
QMC15J300S	3"																	
QMC15J075S	75mm																	
QMC18J303S	3-3/16"																	
QMC18J304S	3-1/4"																	
QMC18J080S	80mm	2.88	2.96	8.63	4.76	7.38	10.34	7.375	1.00	3/4	1.44	4.19	4.27	2.59	1.31	0.16	4.03	32
QMC18J307S	3-7/16"																	
QMC18J308S	3-1/2"																	
QMC18J090S	90mm																	
QMC20J311S	3-11/16"																	
QMC20J315S	3-15/16"	2.84	2.92	9.38	6.00	8.13	10.88	8.125	1.00	3/4	1.63	4.96	5.04	2.96	2.13	0.37	4.59	43
QMC20J400S	4"																	
QMC20J100S	100 mm																	
QMC22B407S*	4-7/16"																	
QMC22B408S*	4-1/2"	3.63	3.71	11.75	6.29	10.00	13.50	10.250	1	3/4	1.83	5.54	5.61	3.70	1.90	0.01	5.53	72
QMC22B115S*	115mm																	

\* QMC22 Series housing is a 6 Bolt hole configuration

- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.

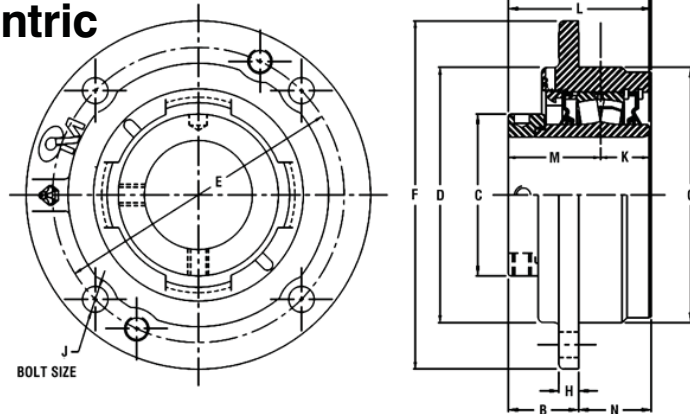
# HOUSINGS

## Blue Brute Bearings Piloted Flange Cartridge - EC Series

### EC Series - QMCW Eccentric Lock Flange Cartridge

Self aligning double row  
spherical roller bearing

6 - Hole Bolt Pattern  
4-7/16 and up

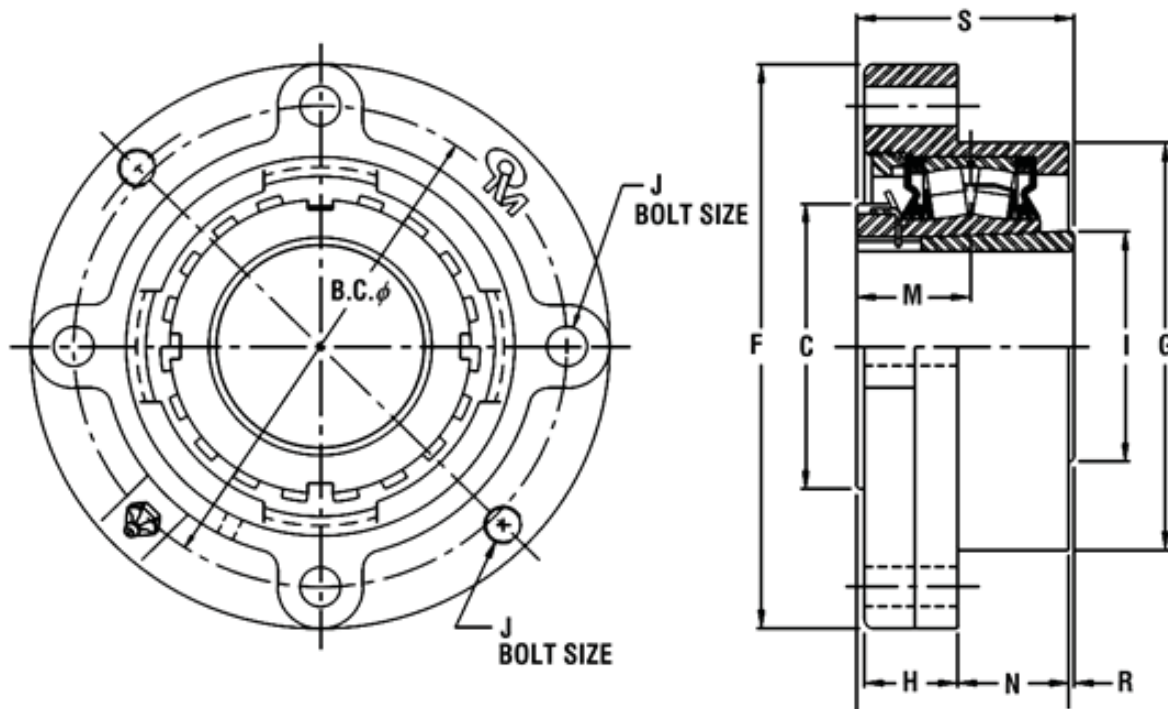


Bearing Part #	Bore	B fixed	B exp.	B.C.	C	D	F	G	H	J	K	L fixed	L exp.	M	N	R	S	Lbs
QMCW08J107S	1-7/16"	1.53	1.60	4.38	2.36	3.63	5.25	3.63	0.50	7/16	1.00	2.90	2.97	1.8	1.38	0.15	2.75	8
QMCW08J108S	1-1/2"																	
QMCW09J040S	40mm																	
QMCW09J111S	1-11/16"	1.43	1.50	5.12	2.63	4.38	6.13	4.250	0.50	7/16	1.00	3.03	3.10	1.88	1.60	0.15	2.88	9
QMCW09J112S	1-3/4"																	
QMCW09J045S	45mm																	
QMCW10J115S	1-15/16"																	
QMCW10J200S	2"	1.39	1.47	5.38	2.76	4.50	6.38	4.500	0.38	7/16	0.98	2.89	2.97	1.89	1.50	0.02	2.87	10
QMCW10J050S	50mm																	
QMCW11J203S	2-3/16"																	
QMCW11J204S	2-1/4"	1.80	1.88	6.00	2.99	4.99	7.13	5.000	0.56	1/2	1.13	3.42	3.50	2.00	1.63	0.30	3.13	13
QMCW11J055S	55mm																	
QMCW13J060S	60mm																	
QMCW13J207S	2-7/16"	1.80	1.88	6.50	3.62	5.50	7.63	5.500	0.50	1/2	1.24	3.55	3.63	2.15	1.75	0.17	3.39	16
QMCW13J208S	2-1/2"																	
QMCW13J065S	65mm																	
QMCW15J211S	2-11/16"																	
QMCW15J212S	2-3/4"																	
QMCW15J070S	70mm	1.81	1.89	7.50	4.01	6.38	8.75	6.375	0.50	5/8	1.25	3.68	3.76	2.37	1.88	0.06	3.62	22
QMCW15J215S	2-15/16"																	
QMCW15J300S	3"																	
QMCW15J075S	75mm																	
QMCW18J303S	3-3/16"																	
QMCW18J304S	3-1/4"																	
QMCW18J080S	80mm	2.46	2.54	8.63	4.76	7.38	10.25	7.375	0.88	3/4	1.44	4.34	4.42	2.59	1.88	0.31	4.03	32
QMCW18J307S	3-7/16"																	
QMCW18J308S	3-1/2"																	
QMCW18J090S	90mm																	
QMCW20J311S	3-11/16"																	
QMCW20J315S	3-15/16"	2.50	2.58	9.38	6.00	8.13	10.88	8.125	1.00	3/4	1.63	4.75	4.83	2.96	2.25	0.16	4.59	43
QMCW20J400S	4"																	
QMCW20J100S	100mm																	
QMCW22B407S	4-7/16"-																	
QMCW22B408S	4-1/2"	3.01	3.09	11.75	6.29	10.00	13.50	10.250	1.00	3/4	1.83	5.70	5.78	3.70	2.69	0.17	5.53	72
QMCW22B115S	115mm																	
QMCW26B415S	4-15/16"																	
QMCW26B500S	5"	2.90	2.98	12.75	6.88	10.50	14.75	11.000	1.03	7/8	2.31	5.96	6.02	3.72	3.07	0.07	6.03	102
QMCW26B130S	130mm																	
QMCW30B507S	5-7/16"																	
QMCW30B508S	5-1/2"	3.26	3.34	14.50	8.07	12.00	17.00	13.000	1.03	7/8	2.99	8.04	8.12	4.57	4.78	0.48	7.56	226
QMCW30B140S	140mm																	
QMCW30B515S	5-15/16"																	
QMCW30B600S	6"	3.26	3.34	16.50	8.07	12.00	19.00	14.000	1.03	7/8	2.99	8.32	8.40	4.57	5.06	0.76	7.56	224
QMCW30B150S	150mm																	

- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.

## TA Series - DVC Tapered Adapter Mount Flange Cartridge

Self aligning double row spherical roller bearing



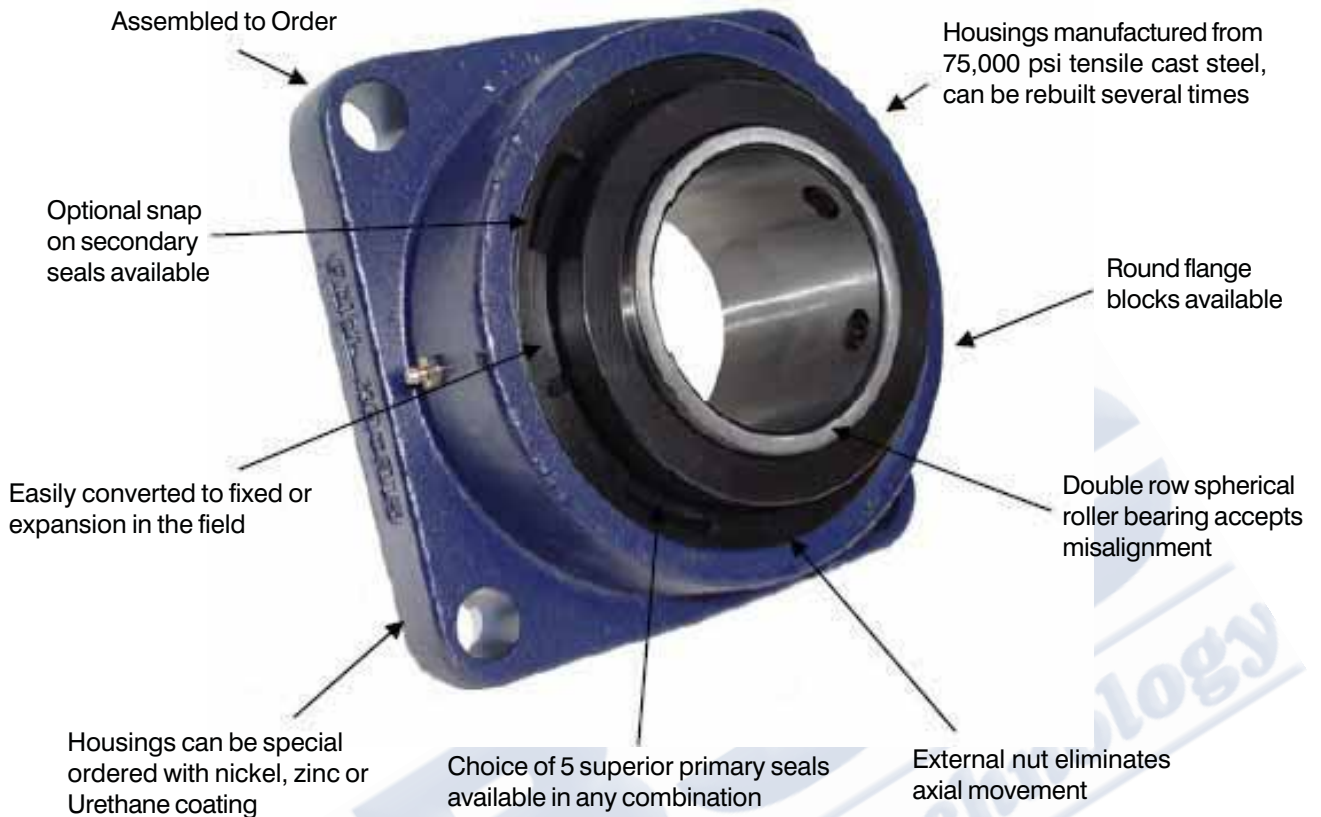
Bearing Part #	Bore	B.C.	C	F	G	H	I	J	L	M	N	R	S	Lbs
DVC11K115S	1-15/16"													
DVC11K200S	2"	5.38	2.95	6.38	4.500	1.24	2.45	7/16	2.39	1.24	1.00	-0.06	2.32	11
DVC11K050S	50mm													
DVC13K203S	2-3/16"													
DVC13K204S	2-1/4"	6.00	3.35	7.13	5.000	1.47	2.84	1/2	2.55	1.47	1.00	0.01	2.56	16
DVC13K060S	60mm													
DVC15K207S	2-7/16"													
DVC15K208S	2-1/2"	6.50	3.86	7.63	5.500	1.27	3.11	1/2	2.59	1.54	1.25	0.29	2.87	18
DVC15K065S	65mm													
DVC17K215S	2-15/16"													
DVC17K300S	3"	7.50	4.33	8.75	6.375	1.28	3.55	5/8	2.90	1.72	1.38	0.33	3.23	25
DVC17K075S	75mm													
DVC20K307S	3-7/16"													
DVC20K308S	3-1/2"	8.63	5.12	10.25	7.375	1.62	4.18	3/4	3.41	2.06	1.38	0.41	3.82	37
DVC20K090S	90mm													
DVC22R315S	3-15/16"													
DVC22R400S	4"	9.38	5.71	10.88	8.125	1.88	4.60	3/4	3.74	2.22	1.50	0.39	4.13	52
DVC22R100S	100mm													
*DVC26R407S	4-7/16"													
*DVC26R408S	4-1/2"	11.75	6.50	13.50	10.250	1.85	5.43	3/4	4.33	2.56	1.90	0.43	4.76	76
*DVC26R115S	115mm													

\* 6 bolt

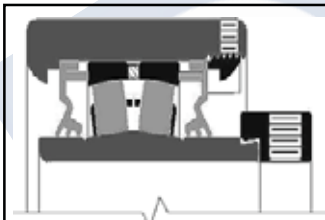
- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.



## Blue Brute® Flange Block Bearings



## CA Bearing

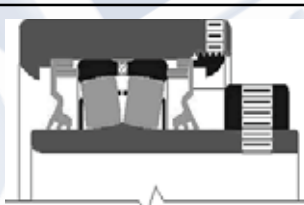


**EC - Eccentric Lock**  
Accepts heavy thrust loads

**EC Series -**  
Eccentric Locking  
Collar

Unsurpassed for holding in heavy thrust, reversing or shock loading.

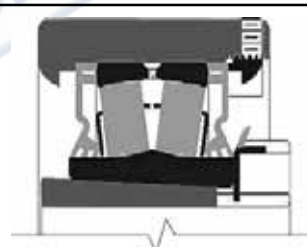
We **guarantee** this bearing will not come loose if installed on a precision ground shaft.



**CL - Set Screw Lock**  
Accepts light thrust loads

**CL Series -**  
Concentric Locking  
Collar (set screw lock)

Set screw locking 2 set screws @ 60°, provides maximum holding with minimal run out. Knurled point set screws provide positive locking.



**DV / TA**  
**Tapered**  
**Adapter**  
**Lock**

**DV Series -**  
Tapered Adapter  
Sleeve

DV Bearings are a drop in replacement for common American Set-screw mounted units, results in extremely high load capacities compared to any collar mounted unit. Best concentricity for high speeds.

**TA Series -**  
Tapered Adapter  
Sleeve

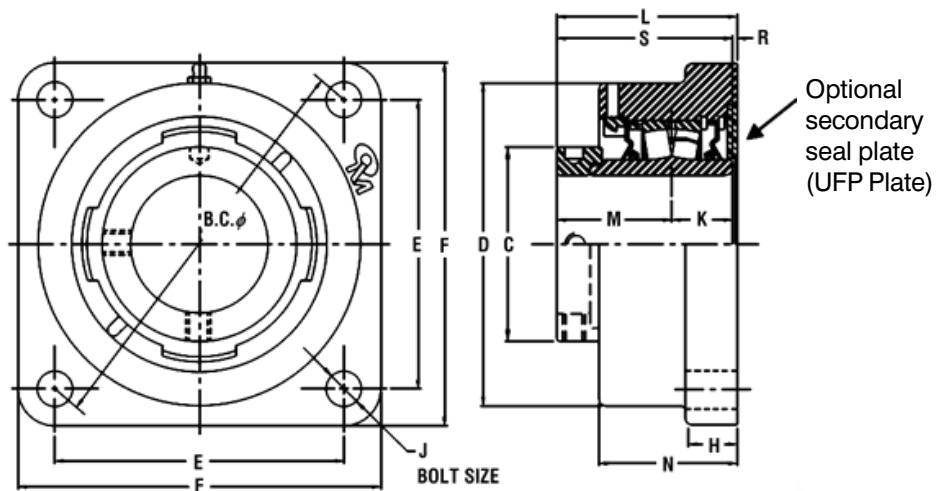
TA Bearings are a direct drop in replacement for SAF/ SN split cap housing dimensions results in superior sealing and integrally robust housing. Best concentricity for high speeds.

# HOUSINGS

## Blue Brute Bearings Flange Block - EC Series

### EC Series - QMF 4-Bolt Eccentric Lock Square Flange Block

Self aligning double  
row spherical roller  
bearing



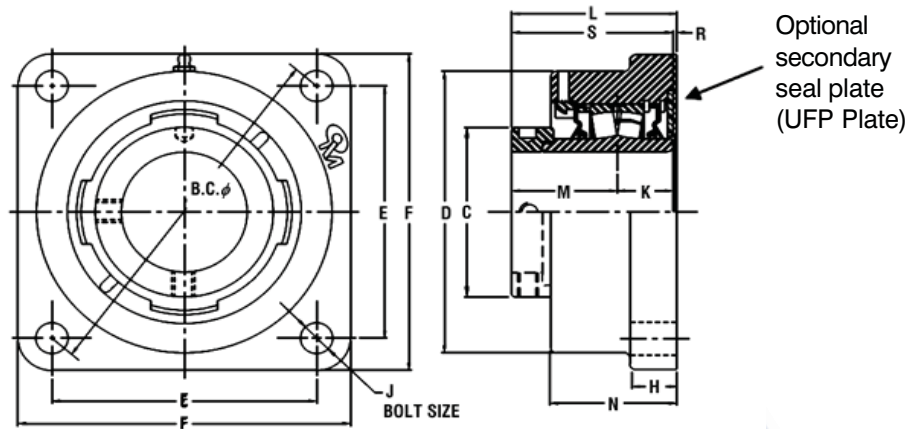
Bearing Part #	Bore	C	D	E	B.C.	F	H	J	K	L fixed	L exp	M	N	R	S	Lbs
QMF08J107S	1-7/16"	2.38	3.69	3.50	4.94	4.63	0.88	1/2	1.00	2.87	2.95	1.75	2.25	0.12	2.75	10
QMF08J108S	1-1/2"	2.38	4.25	4.13	5.84	5.38	0.88	1/2	1.00	2.75	2.83	1.75	2.34	0.15	2.75	10
QMF09J111S	1-11/16"	2.63	4.66	4.13	5.84	5.38	0.88	1/2	1.00	3.13	3.21	1.88	2.50	0.25	2.88	11
QMF09J040S	40mm															
QMF09J112S	1-3/4"	2.63	4.66	4.38	6.19	5.63	0.88	1/2	1.00	3.13	3.21	1.88	2.50	0.25	2.88	11
QMF09J045S	45mm															
QMF10J115S	1-15/16"															
QMF10J200S	2"	2.76	4.75	4.38	6.19	5.50	0.88	1/2	0.98	3.18	3.28	1.89	2.56	0.31	2.87	11
QMF10J050S	50mm															
QMF11J203S	2-3/16"															
QMF11J204S	2-1/4"	2.99	5.43	4.88	6.89	6.19	1.00	5/8	1.13	3.27	3.37	2.00	2.63	0.15	3.13	14
QMF11J055S	55mm															
QMF13J207S	60mm															
QMF13J207S	2-7/16"	3.62	5.75	5.38	7.60	6.63	1.00	5/8	1.24	3.51	3.59	2.15	2.85	0.12	3.39	17
QMF13J208S	2-1/2"															
QMF13J065S	65mm															
QMF15J211S	2-11/16"															
QMF15J212S	2-3/4"															
QMF15J070S	70mm	4.01	6.65	6.00	8.48	7.44	1.06	3/4	1.25	3.77	3.85	2.37	2.98	0.15	3.62	23
QMF15J215S	2-15/16"															
QMF15J300S	3"															
QMF15J075S	75mm															
QMF18J303S	3-3/16"															
QMF18J304S	3-1/4"															
QMF18J080S	80mm	4.76	7.63	7.00	9.91	8.63	1.31	3/4	1.44	4.22	4.30	2.59	3.31	0.19	4.03	35
QMF18J307S	3-7/16"															
QMF18J308S	3-1/2"															
QMF18J090S	90mm															
QMF20J311S	3-11/16"															
QMF20J315S	3-15/16"	6.00	8.50	7.75	10.96	9.97	1.50	7/8	1.63	4.97	5.05	2.96	4.06	0.37	4.59	55
QMF20J400S	4"															
QMF20J100S	100mm															
QMF22B407S	4-7/16"															
QMF22B408S	4-1/2"	6.29	8.75	8.75	12.38	10.88	1.50	7/8	1.83	5.66	5.82	3.70	4.21	0.13	5.53	63
QMF22B115S	115mm															

- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.

## EC Series - QMFL

### 4-Bolt Eccentric Lock Square Flange Block

Self aligning double row spherical roller bearing



Bearing Part #	Bore	C	D	E	B.C.	F	H	J	K	L fixed	L exp	M	N	R	S	Lbs
QMFL08J107S	1-7/16"	2.38	3.69	3.54	5.00	4.63	0.88	1/2	1.00	2.87	2.95	1.75	2.25	0.12	2.75	10
QMFL08J108S	1-1/2"															
QMFL09J111S	1-11/16"															
QMFL09J112S	1-3/4"	2.63	4.66	3.89	5.50	5.38	0.88	1/2	1.00	3.13	3.21	1.88	2.35	0.15	2.88	11
QMFL09J040S	40mm															
QMFL09J045S	45mm															
QMFL10J115S	1-15/16"															
QMFL10J200S	2"	2.76	4.54	4.07	5.75	5.19	0.91	1/2	0.98	3.18	3.28	1.89	2.46	0.31	2.87	11
QMFL10J050S	50mm															
QMFL11J203S	2-3/16"															
QMFL11J204S	2-1/4"	2.99	5.19	4.50	6.38	5.88	0.75	5/8	1.13	3.28	3.36	2.00	2.63	0.15	3.13	14
QMFL11J055S	55mm															
QMFL13J060S	60mm															
QMFL13J207S	2-7/16"	3.62	5.75	4.77	6.75	6.19	1.00	5/8	1.24	3.51	3.59	2.15	2.86	0.12	3.39	17
QMFL13J208S	2-1/2"															
QMFL13J065S	65mm															
QMFL15J211S	2-11/16"															
QMFL15J212S	2-3/4"															
QMFL15J070S	70mm	4.01	6.63	5.56	7.88	7.19	1.06	3/4	1.25	3.77	3.85	2.37	2.93	0.15	3.62	23
QMFL15J215S	2-15/16"															
QMFL15J300S	3"															
QMFL15J075S	75mm															
QMFL18J303S	3-3/16"															
QMFL18J304S	3-1/4"															
QMFL18J080S	80mm	4.76	7.63	6.72	9.50	8.38	1.28	3/4	1.44	4.19	4.27	2.59	3.40	0.16	4.03	35
QMFL18J307S	3-7/16"															
QMFL18J308S	3-1/2"															
QMFL18J090S	90mm															
QMFL20J311S	3-11/16"															
QMFL20J315S	3-15/16"	6.00	8.39	7.60	10.75	9.50	1.50	1	1.63	5.21	5.29	2.96	4.12	0.62	4.59	55
QMFL20J400S	4"															
QMFL20J100S	100mm															

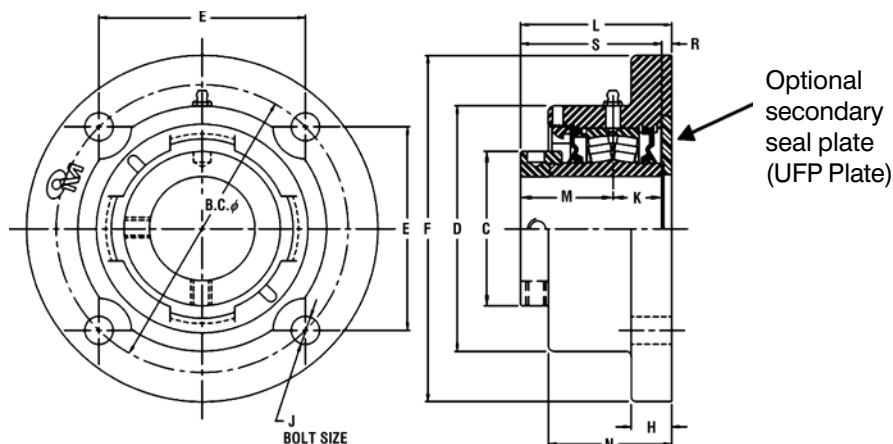
- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.

# HOUSINGS

## Blue Brute Bearings Flange Block - EC Series

### EC Series - QMFY Eccentric Lock Round Flange Block

Self aligning double  
row spherical roller  
bearing



Bearing Part #	Bore	C	D	B.C	E	F	H	J	K	L fixed	L exp	M	N	R	S	Lbs
QMFY08J107S*	1-7/16"	2.38	4.25	5.00	3.54	6.25	0.75	1/2	1.00	2.88	2.95	1.75	2.26	0.12	2.75	10
QMFY08J108S*	1-1/2"															
QMFY09J111S	1-11/16"															
QMFY09J112S	1-3/4"	2.63	4.50	5.50	3.89	6.75	0.81	1/2	1.00	3.00	3.07	1.88	2.38	0.12	2.88	11
QMFY09J040S	40mm															
QMFY09J045S	45mm															
QMFY10J115S	1-15/16"															
QMFY10J200S	2"	2.76	4.54	5.75	4.07	7.00	0.75	1/2	0.98	2.99	3.07	1.89	2.30	0.12	2.87	12
QMFY10J050S	50mm															
QMFY11J203S	2-3/16"															
QMFY11J204S	2-1/4"	2.99	5.13	6.38	4.50	7.75	0.75	5/8	1.13	3.24	3.32	2.00	2.44	0.12	3.13	15
QMFY11J055S	55mm															
QMFY13J060S	60mm															
QMFY13J207S	2-7/16"	3.62	5.75	6.75	4.77	8.13	0.94	5/8	1.24	3.49	3.57	2.15	2.85	0.12	3.39	19
QMFY13J208S	2-1/2"															
QMFY13J065S	65mm															
QMFY15J211S	2-11/16"															
QMFY15J212S	2-3/4"															
QMFY15J070S	70mm	4.01	6.63	7.88	5.56	9.50	0.94	3/4	1.25	3.88	3.95	2.37	3.00	0.25	3.62	28
QMFY15J215S	2-15/16"															
QMFY15J300S	3"															
QMFY15J075S	75mm															
QMFY18J303S	3-3/16"															
QMFY18J304S	3-1/4"															
QMFY18J080S	80mm	4.76	7.63	9.50	6.72	11.13	1.13	7/8	1.44	4.28	4.36	2.59	3.36	0.25	4.03	42
QMFY18J307S	3-7/16"															
QMFY18J308S	3-1/2"															
QMFY18J090S	90mm															
QMFY20J311S	3-11/16"															
QMFY20J315S	3-15/16"	6.00	8.38	10.75	7.60	12.63	1.13	1	1.63	4.87	4.95	2.96	3.81	0.27	4.59	66
QMFY20J400S	4"															
QMFY20J100S	100mm															
QMFY22B407S*	4-7/16"															
QMFY22B408S*	4-1/2"	6.29	10.00	12.88	6.44	15.13	1.25	1	1.83	5.63	5.71	3.70	3.95	0.10	5.53	102
QMFY22B115S*	115mm															
QMFY26B415S*	4-15/16"															
QMFY26B500S*	5"	6.88	11.19	14.00	7.00	16.50	1.50	1-1/8	2.31	6.52	6.60	3.72	5.50	0.49	6.03	115
QMFY26B130S*	130mm															

\* 107 / 108 BEARINGS 3 - BOLT FLANGE BLOCK

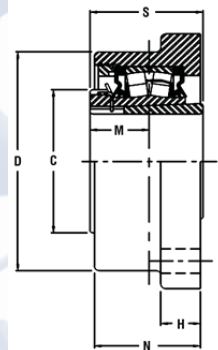
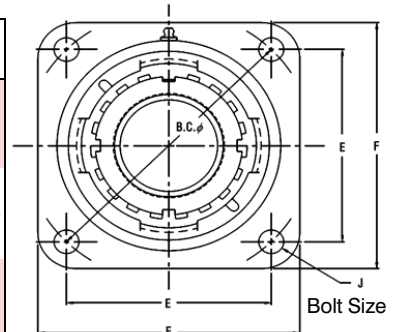
\* 407 / 408 / 115mm / 415 / 500 / 130 BEARINGS 6 - BOLT FLANGE BLOCK

## TA Series - DVF

### 4-Bolt Tapered Adapter Mount Square Flange Block

#### Self aligning double row spherical roller bearing

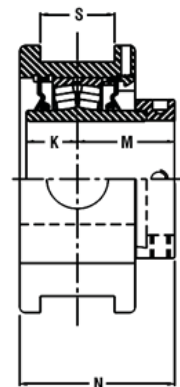
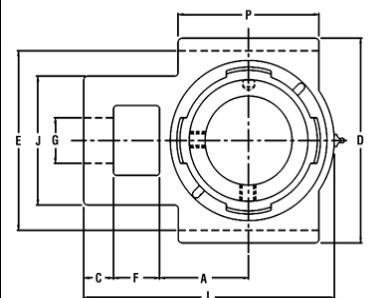
Bearing Part #	Bore	C	D	E	B.C.	F	H	J	M	N	S	Lbs
DVF11K115S	1-15/16"											
DVF11K200S	2"	2.95	4.75	4.38	6.19	5.50	0.88	1/2	1.24	2.56	2.32	12
DVF11K050S	50mm											
DVF13K203S	2-3/16"											
DVF13K204S	2-1/4"	3.35	5.43	4.88	6.89	6.19	1.00	5/8	1.47	2.63	2.56	15
DVF13K060S	60mm											
DVF15K207S	2-7/16"											
DVF15K208S	2-1/2"	3.86	5.75	5.38	7.60	6.63	1.00	5/8	1.54	2.85	2.87	18
DVF15K065S	65mm											
DVF17K215S	2-15/16"											
DVF17K300S	3"	4.33	6.72	6.00	8.48	7.44	1.06	3/4	1.72	3.03	3.23	28
DVF17K075S	75mm											
DVF20K307S	3-7/16"											
DVF20K308S	3-1/2"	5.12	7.63	7.00	9.90	8.63	1.31	3/4	2.06	3.31	3.82	39
DVF20K090S	90mm											
DVF22R315S	3-15/16"											
DVF22R400S	4"	5.71	8.50	7.75	10.96	9.97	1.50	7/8	2.22	4.06	4.13	53
DVF22R100S	100mm											
DVF26R407S	4-7/16"											
DVF26R408S	4-1/2"	6.50	10.11	8.75	12.38	10.88	1.50	7/8	2.56	4.21	4.76	75
DVF26R115S	115mm											



## EC Series - QMTU Eccentric Lock Take Up Block

### Self aligning double row spherical roller bearing

Bearing Part #	Bore	A	C	D	E	F	G	J	K	L	M	N	P	S	Lbs
QMTU10J115S	1-15/16"														
QMTU10J200S	2"	2.13	0.75	4.75	4.00	1.06	1.06	2.88	0.98	6.04	1.90	2.98	3.50	0.69	15
QMTU10J050S	50mm														
QMTU11J203S	2-3/16"														
QMTU11J204S	2-1/4"	2.34	0.75	5.25	4.50	1.19	1.19	3.50	1.13	6.61	2.00	3.22	3.75	0.82	18
QMTU11J055S	55mm														
QMTU13J060S	60mm														
QMTU13J207S	2-7/16"														
QMTU13J208S	2-1/2"	2.75	0.88	5.86	5.13	1.31	1.31	3.75	1.24	7.63	2.13	3.39	4.75	1.06	24
QMTU13J065S	65mm														
QMTU15J211S	2-11/16"														
QMTU15J212S	2-3/4"														
QMTU15J070S	070mm														
QMTU15J215S	2-15/16"	3.00	1.00	6.75	5.94	1.56	1.56	4.25	1.25	8.45	2.37	3.78	4.75	1.81	30
QMTU15J300S	3"														
QMTU15J075S	75mm														
QMTU18J303S	3-3/16"														
QMTU18J304S	3-1/4"														
QMTU18J080S	80mm														
QMTU18J307S	3-7/16"	3.63	1.00	7.63	6.81	1.81	1.81	4.88	1.44	9.92	2.58	4.06	6.25	1.81	38
QMTU18J308S	3-1/2"														
QMTU18J090S	90mm														
QMTU20J311S	3-11/16"														
QMTU20J315S	3-15/16"	4.13	1.13	9.44	8.63	2.13	2.06	5.63	1.63	10.88	2.96	4.74	7.00	2.06	48
QMTU20J400S	4"														
QMTU20J100S	100mm														



- Modifying a fixed bearing to a floating bearing is done by adjusting the bearing nut. Reverse the nut by one revolution to achieve recommended end float.





Bearings that support a combination of radial load and thrust load take an unequal load on one of the rows of rollers. The following formula and factors convert the thrust and radial loads into an equivalent radial load will have the same effect on the life of the bearing as a radial load of the same magnitude.

**Equivalent radial load when thrust load is applied:**

$$P = Fr + Y1 * Fa \text{ When } Fa/Fr \leq e$$

$$P = 0.67Fr + Y2 * Fa \text{ When } Fa/Fr > e$$

P = Equivalent radial load, lbs.

Fr = Radial load, lbs.

Fa = Thrust load, lbs

Y1 = Geometry factor

Y2 = Geometry factor

e = Geometry factor

## Blue Brute Spherical Roller Bearing Radial and Thrust Factors

TA/DV Series					
Bearing Part #	Dynamic Load Rating in Pounds		Geometry Factors		
	Basic C	Static Co	e	Y1	Y2
SLK11	27280	31920	0.26	2.64	3.93
SLK13	39790	48560	0.27	2.49	3.71
SLK15	42940	53960	0.25	2.74	4.08
SLK17	57330	71940	0.23	2.95	4.40
SLK20	85430	109000	0.26	2.55	3.80
SLK22	107900	143900	0.26	2.55	3.80
SLK26	124200	186300	0.28	2.43	3.61

EC Series					
Bearing Part #	Dynamic Load Rating in Pounds		Geometry Factors		
	Basic C	Static Co	e	Y1	Y2
SLJ08	20233	22482	0.29	2.35	3.50
SLJ09	21133	24280	0.27	2.50	3.72
SLJ10	22480	27200	0.25	2.71	4.04
SLJ11	27280	31920	0.26	2.64	3.93
SLJ13	39790	48560	0.27	2.49	3.71
SLJ15	42940	53960	0.25	2.74	4.08
SLJ18	68570	87680	0.23	2.90	4.31
SLJ20	85430	109000	0.26	2.55	3.80
SLJ22	107900	143900	0.26	2.55	3.80
SLJ26	124200	186300	0.28	2.43	3.61
SLJ30	210800	344300	0.33	2.00	3.00
SLJ34	274500	454500	0.35	1.90	2.90

### Normal Limited Speeds for EC Series Bearings

Shaft Size	EC Series	Oil Lubrication			Grease Lubrication		
		'M' Seal	'T' Seal	'B' Seal	'M' Seal	'T' Seal	'B' Seal
		RPM	RPM	RPM	RPM	RPM	RPM
1-7/16" — 1-1/2"	SLJ08	2700	4500	1950	2700	4000	1950
1-11/16" — 1-3/4"	SLJ09	2700	4500	1950	2700	4000	1950
1-15/16" — 50mm	SLJ10	2400	4200	1800	2400	3550	1800
2-3/16" — 2-1/4"	SLJ11	2200	3800	1600	2200	3200	1600
2-7/16" — 65mm	SLJ13	1800	3200	1500	1800	2800	1500
2-11/16" — 75mm	SLJ15	1600	2900	1300	1600	2400	1300
3-3/16" — 90mm	SLJ18	1400	2400	1000	1400	2000	1000
3-15/16" — 100mm	SLJ20	1200	2000	900	1200	1600	900
4-7/16" — 115mm	SLJ22	900	1700	600	900	1200	600
4-15/16" — 130mm	SLJ26	700	1500	400	700	1000	400

### Normal Limited Speeds for TA/DV Series Bearings

Shaft Size	EC Series	Oil Lubrication			Grease Lubrication		
		'M' Seal	'T' Seal	'B' Seal	'M' Seal	'T' Seal	'B' Seal
		RPM	RPM	RPM	RPM	RPM	RPM
1-15/16" — 50mm	SLK11	2200	3800	1800	2200	3200	1600
2-3/16" — 2-1/4"	SLK13	1800	3200	1500	1800	2800	1500
2-7/16" — 65mm	SLK15	1600	2900	1300	1600	2400	1300
2-15/16" — 75mm	SLK17	1400	2400	1100	1400	2000	1100
3-7/16" — 90mm	SLK20	1200	2000	900	1200	1600	900
3-15/16" — 100mm	SLK22	900	1700	600	900	1200	600
4-7/16" — 115mm	SLK26	700	1500	400	700	1000	400

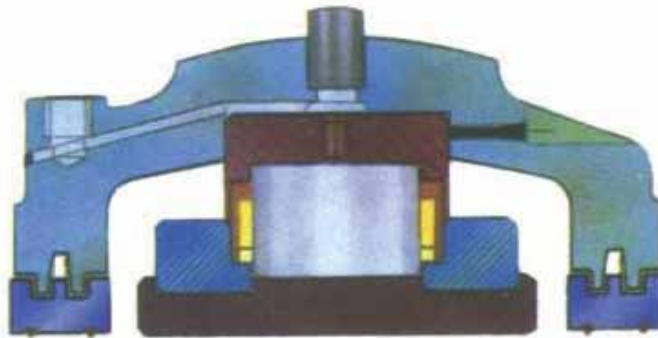
# SPLIT UNITS

## Cooper Split Bearing Units Types and Series

### Types and Series of Bearings:

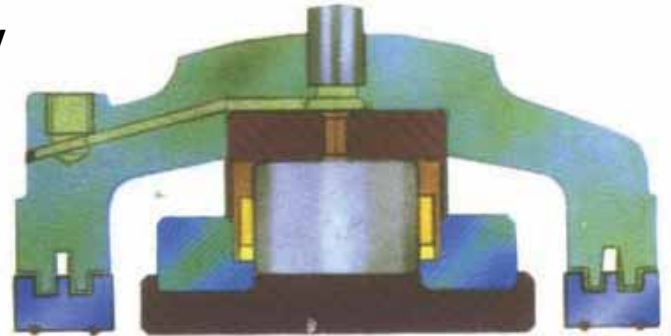


### The Plummer Block Replacement That is All About Saving Time & Money



#### Fixed (GR) Bearing

Bearings for radial and axial loads, to be fitted in GR cartridges with side screws



#### Expansion (EX) Bearing

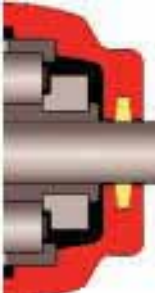
Bearings with grooved inner races for radial loads. To be fitted in EX cartridges without side screws. Special expansion bearings with grooved outer races (EXILOG) must be fitted into GR cartridges with side screws



Pedestals	2 Bolt BCP	4 Bolt BCP	4 Bolt BCP	4 Bolt BCP	8 Bolt BCP
Series 01	40 mm to 115mm	120mm to 155mm	-	160mm to 560mm	Over 560mm
Series 02	50mm to 100mm	110mm to 150mm	-	160mm to 260mm	Over 260mm
Series 03			100 to 220mm	240mm to 260mm	Over 260mm



	Flange BCF	Take-Up BCT	Rod End BCRE	Hanger BH
Series 01	40mm to 300mm	40mm to 155mm	40mm to 155mm	40mm to 115mm
Series 02	50mm to 300mm	50mm to 150mm	50mm to 150mm	-

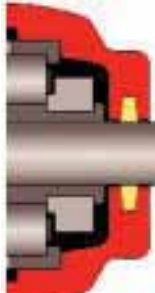


**Felt (F)**

Made from wool and selected fibres. Felt is the current UK and European standard seal.

**(S)**

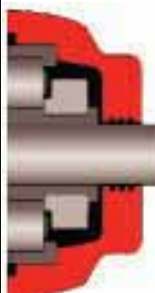
Temperature Limits	-70°C to +100°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	1.6 µm Ra



**High Temperature Packing (HTP)**

A PTFE filament yarn impregnated with graphite and lubricated with silicon. A direct replacement for felt in high temperature applications. Also available silicon free.

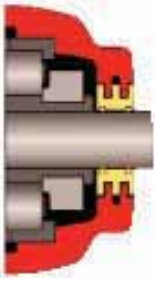
Temperature Limits	-70°C to +260°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	0.8 µm Ra



**Labyrinth Grease Groove (LAB)**

Standard seal for bearings over 300mm. Particularly successful on marine applications. Suitable for low or high speed operation.

Temperature Limits	As bearing spec
Maximum Speed	As bearing spec
Shaft Surface Finish	3.2 µm Ra

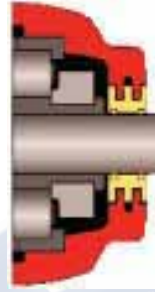


**Aluminium Triple Labyrinth (ATL)**

Machined aluminium bodied triple labyrinth seal for high speed and general applications. Supplied as standard in USA and Canada.

**(S)**

Temperature Limits	-20°C to +100°C
Maximum Speed	Bearing maximum
Shaft Surface Finish	3.3 µm Ra




**Triple Labyrinth with Viton Rubber Cord Insert (TL HT)**

Suitable for high speed and high temperature applications.

**(S)**

Temperature Limits	-20°C to +175°C
Maximum Speed	Bearing maximum
Shaft Surface Finish	3.2 µm Ra




**Neoprene Rubber Triple Labyrinth (NTL)**

For applications with a maximum speed of 3300 RPM for shaft sizes up to 65mm dia, 2000 RPM for shaft sizes from 70mm to 90mm and 1800 RPM for shafts up to 105mm. Can be used where an explosive or corrosive atmosphere prevents the use of aluminium.

**(S)**

Temperature Limits	-20°C to +100°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	3.2 µm Ra




**Synthetic Nitrile Rubber Single Lip (SRS)\***

For wet but not submerged applications. Can be used to retain bearing lubricant by mounting lip innermost.

*\*High and low temperature versions also available.*

**(S)**


Temperature Limits	-20°C to +100°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	0.8 µm Ra



**Single Lip with Spring Loaded Retaining Plate (SRS RP)**

Suitable for severe splash or completely submerged applications. Two grades are available, one operates in up to 2 metres of fluid the other up to 30 metres.

Temperature Limits	-20°C to +100°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	0.4 µm Ra



**Combination Rubber Lip & Triple Labyrinth (TAC)**

Top of the range sealing for applications operating in extreme dusty or dirty environments.

**(S)**

Temperature Limits	-20°C to +100°C
Maximum Speed	6000 dN
	150000mm dN
Shaft Surface Finish	0.8 µm Ra

**(S)** - Standard Stock Sealing Options

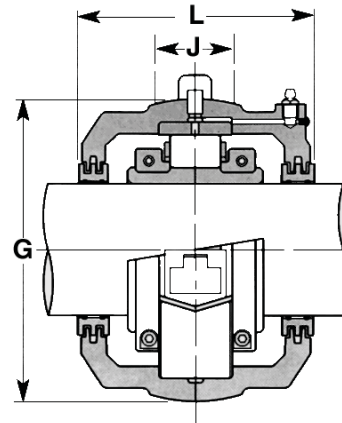
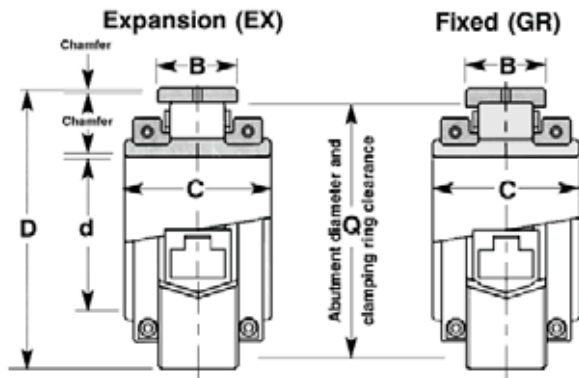
Note: Shaft surface finish shown is the recommended shaft finish for optimum performance.



# SPLIT UNITS

## Cooper Bearings 01 Series Bearings and Cartridges

### 01 Series Bearings and Cartridges up to 6 inch/155mm Shaft Diameter



Lubricating points are tapped 1/8" NPT.

All grooved outer races must be clamped axially. Provision is made for these Cooper cartridges.

Roller Bearing								
Shaft Diameter (d)		Bearing Only		D	C	B	Q	Wt (lb.) (kg.)
inches	mm	inches	mm					
1-3/16		01 B 103						
1-1/4	35	01 B 104	01 B 35	3.313	1.972	0.938	2.953	2.7
1-7/16	40	01 B 107	01 B 40	84.14	50.10	23.80	75.00	1.2
1-1/2		01 B 108						
1-11/16		01 EB 111						
1-3/4	45	01 EB 112	01 EB 45	3.875	2.192	1.000	3.543	3.3
1-15/16	50	01 EB 115	01 EB 50	98.42	55.70	25.40	90.00	1.5
2		01 EB 200						
2-3/16		01 EB 203						
2-1/4	60	01 EB 204	01 EB 60	4.500	2.192	1.063	4.134	4.0
2-7/16	65	01 EB 207	01 EB 65	114.30	55.70	27.00	105.00	1.8
2-1/2		01 EB 208						
2-11/16		01 EB 211						
2-3/4	70	01 EB 212	01 EB 70	5.250	2.410	1.250	4.882	5.5
2-15/16	75	01 EB 215	01 EB 75	133.35	61.20	31.80	124.00	2.5
3		01 EB 300						
3-3/16		01 EB 303						
3-1/4	80	01 EB 304	01 EB 80	6.000	2.781	1.531	5.591	8.8
3-7/16	85	01 EB 307	01 EB 85	152.40	70.70	38.90	142.00	4.0
3-1/2	90	01 EB 308	01 EB 90					
3-11/16		01 EB 311						
3-3/4	100	01 EB 312	01 EB 100	6.875	3.188	1.781	6.378	13.2
3-15/16	105	01 EB 315	01 EB 105	174.62	81.00	45.30	162.00	6.0
4		01 EB 400						
4-3/16		01 B 403						
4-7/16	110	01 B 407	01 B 110	8.000	3.342	1.844	7.165	22.4
4-1/2	115	01 B 408	01 B 115	203.20	84.90	46.90	182.00	10.2
4-15/16	120	01 B 415	01 B 120	8.750	3.531	2.125	7.874	28.2
5	125	01 B 500	01 B 125	222.25	89.70	54.00	200.00	12.8
	130		01 B 130					
5-3/16		01 B 503						
5-7/16	135	01 B 507	01 B 135	9.500	3.875	2.188	8.504	34.5
5-1/2	140	01 B 508	01 B 140	241.30	98.40	55.60	216.00	15.7
5-15/16	150	01 B 515	01 B 150	10.000	3.875	2.188	9.055	36.5
6	155	01 B 600	01 B 155	254.00	98.40	55.60	230.00	16.6

Cartridge Unit							
Cartridge, Bearing and Seals		Cartridge Housing Only				Available Axial Movement	Wt (lb.)
inches	mm	inches	G	J	L	Note (1)	(kg.)
01 BC 103							
01 BC 104	01 BC 35	01 C 01	3-15/16	1	3-3/8	7/32	7.04
01 BC 107	01 BC 40		100.00	25.00	86.00	5.56	3.2
01 BC 108							
01 EBC 111							
01 EBC 112	01 EBC 45	01 C 02	4-5/8	1	3-13/16	7/32	8.8
01 EBC 115	01 EBC 50		117.48	25.00	98.00	5.56	4.0
01 EBC 200							
01 EBC 203							
01 EBC 204	01 EBC 60	01 C 03	5-5/16	1-1/4	4-1/16	5/16	11.0
01 EBC 207	01 EBC 65		134.94	32.00	104.00	7.94	5.0
01 EBC 208							
01 EBC 211							
01 EBC 212	01 EBC 70	01 C 04	6-3/16	1-1/2	4-1/2	5/16	17.6
01 EBC 215	01 EBC 75		157.16	38.00	114.00	7.94	8.0
01 EBC 300							
01 EBC 303							
01 EBC 304	01 EBC 80	01 C 05	7	2	5-5/16	15/32	24.3
01 EBC 307	01 EBC 85		177.80	50.00	136.00	11.94	11.0
01 EBC 308	01 EBC 90						
01 EBC 311							
01 EBC 312	01 EBC 100	01 C 06	8	2	5-1/4	1/2	30.8
01 EBC 315	01 EBC 105		203.20	50.00	134.00	12.70	14.0
01 EBC 400							
01 BC 403							
01 BC 407	01 BC 110	01 C 07	9-1/8	2-1/2	5-5/8	1/2	48.6
01 BC 408	01 BC 115		231.78	64.00	142.00	12.70	22.1
01 BC 415	01 BC 120						
01 BC 500	01 BC 125	01 C 08	10-1/2	3	6-1/8	19/32	71.1
	01 BC 130		266.76	76	156	15.08	32.3
01 BC 503							
01 BC 507	01 BC 135	01 C 09	11	3	6-5/8	5/8	80.3
01 BC 508	01 BC 140		279.40	76.00	168.00	16.00	36.5
01 BC 515	01 BC 150	01 C 10	11-5/8	3-1/4	6-7/8	9/16	90.2
01 BC 600	01 BC 155		295.28	82.00	174.00	14.29	41.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference. i.e., 01 B 50mm EX.

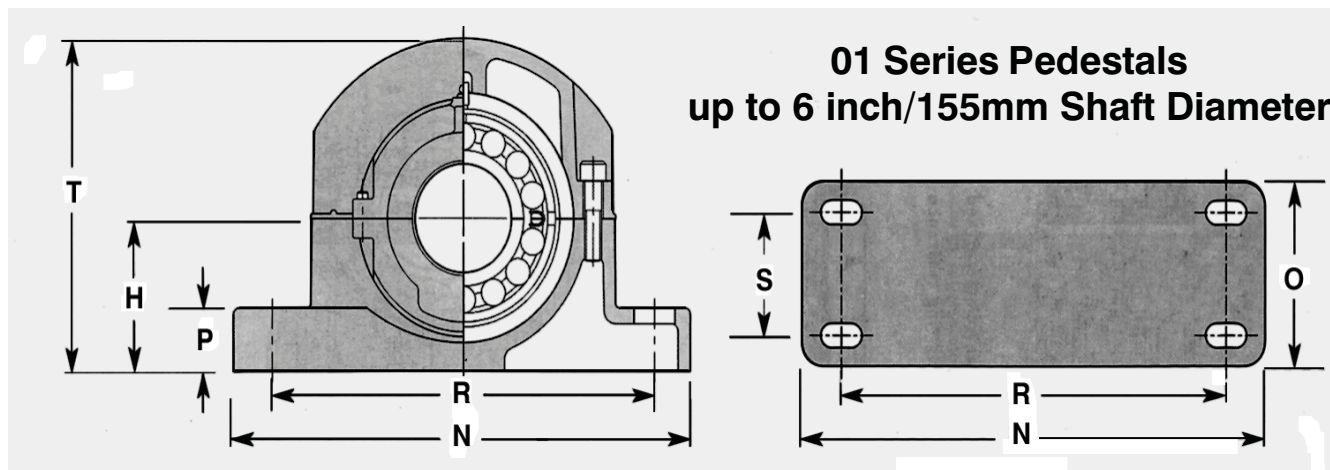
#### Chamfers

Inner Race: Sizes to 3-1/2 / 90mm: 1/16 / 1.5mm, over 3-1/2 / 90mm: 3/32 / 2.5mm  
Outer Race: Sizes to 4 / 105mm: 1/32 / 1.0mm, over 4 / 105mm: 1/16 / 1.5mm

- (1) Offset from centerline to accommodate axial movement should not exceed half this amount.
- (2) Q diameter clears clamp rings.

# SPLIT UNITS

**Cooper Bearings**  
01 Series Pedestals



Pedestals														
Shaft Diameter (d)		Pedestals Complete		Pedestal Casting						R				Wt (lb.) (kg.)
inches	mm	inches	mm	Only	H	N	*O	P	Bolts	Min	Max	S	T	
1-3/16		01 BCP 103												
1-1/4	35	01 BCP 104	01 BCP 35	P01	2-3/8	9	*2-3/8	7/8	two (3)	6-3/4	7-1/2		5-1/2	12.5
1-7/16	40	01 BCP 107	01 BCP 40		60.00	228.00	60.00	22.00	1/2 inch M12	172.00	192.00		138.00	5.7
1-1/2		01 BCP 108												
1-11/16		01 EBCP 111												
1-3/4	45	01 EBCP 112	01 EBCP 45	P02	2-3/4	10-5/8	*2-3/8	1	two (3)	8	8-7/8		6-1/4	17.6
1-15/16	50	01 EBCP 115	01 EBCP 50		70.00	270.00	60.00	25.00	5/8 inch M16	204.00	226.00		158.00	8.0
2		01 EBCP 200												
2-3/16		01 EBCP 203												
2-1/4	60	01 EBCP 204	01 EBCP 60	P03	3-5/32	11	*2-3/4	1-1/4	two (3)	8-7/8	9-1/2		7	24.2
2-7/16	65	01 EBCP 207	01 EBCP 65		80.00	280.00	70.00	32.00	5/8 inch M16	226.00	242.00		180.00	11.0
2-1/2		01 EBCP 208												
2-11/16		01 EBCP 211												
2-3/4	70	01 EBCP 212	01 EBCP 70	P04	3-3/4	13	*3	1-1/2	two (3)	10-1/4	11		8-1/8	35.2
2-15/16	75	01 EBCP 215	01 EBCP 75		95.00	330.00	76.00	38.00	3/4 inch M20	260.00	280.00		208.00	16.0
3		01 EBCP 300												
3-3/16		01 EBCP 303												
3-1/4	80	01 EBCP 304	01 EBCP 80	P05	4-13/32	15	*3-35/64	1-3/4	two (3)	12-9/32	12-29/32		10	61.2
3-7/16	85	01 EBCP 307	01 EBCP 85		112.00	380.00	90.00	44.00	7/8 inch M24	312.00	328.00		252.00	27.8
3-1/2	90	01 EBCP 308	01 EBCP 90											
3-11/16		01 EBCP 311												
3-3/4	100	01 EBCP 312	01 EBCP 100	P06	4-15/16	16-17/32	*4-1/64	2	two (3)	3-15/32	14-13/32		10-3/4	79.6
3-15/16	105	01 EBCP 315	01 EBCP 105		125.00	420.00	102.00	52.00	7/8 inch M24	342.00	366.00		272.00	36.2
4		01 EBCP 400												
4-3/16		01 BCP 403							two (3)					
4-7/16	110	01 BCP 407	01 BCP 110	P07	5-5/8	18-3/4	*4-23/32	2-3/8	7/8 inch	4-23/32	16-9/64		12-3/8	93.9
4-1/2	115	01 BCP 408	01 BCP 115		143.00	466.00	120.00	60.00	M24	374.00	410.00		314.00	42.7
4-15/16	120	01 BCP 415	01 BCP 120						four					
5	125	01 BCP 500	01 BCP 125	P08	6-3/8	20	7	1-1/2	7/8 inch	17-1/4	18-3/16	4-3/4	14-3/4	166.3
	130	01 BCP 130			162.00	508.00	178.00	38.00	M24	438.00	462.00	120.00	372.00	75.6
5-3/16		01 BCP 503							four					
5-7/16	135	01 BCP 507	01 BCP 135	P09	7-1/8	22	7	1-5/8	7/8 inch	18-1/2	19-1/2	4-3/4	15-7/8	194.7
5-1/2	140	01 BCP 508	01 BCP 140		181.00	558.00	178.00	40.00	M24	470.00	494.00	120.00	405.00	88.5
5-15/16	150	01 BCP 515	01 BCP 150	P10	7-1/8	22	7	1-5/8	four	19	20	4-3/4	16-1/4	209.0
6	155	01 BCP 600	01 BCP 155		181.00	558.00	178.00	40.00	7/8 inch M24	484.00	508.00	120.00	415.00	95.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference.  
i.e. 01 B 50mm EX.

(3) These pedestals are furnished in two or four bolt configuration.

Add 2B or 4B suffix when ordering.  
e.g. 01 EBCP 50mm EX2B

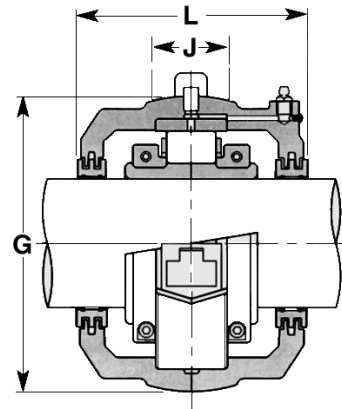
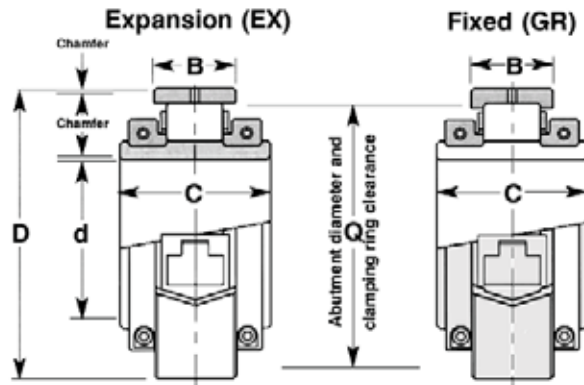
\* Dimensions listed apply to two bolt bases only.



# SPLIT UNITS

## Cooper Bearings 02 Series Bearings and Cartridges

### 02 Series Bearings and Cartridges up to 6 inch/155mm Shaft Diameter



Lubricating points are tapped 1/8" NPT

All grooved outer races must be clamped axially, provision is made for this Cooper cartridges.

#### Roller Bearing

Shaft Diameter (d)		Bearing Only		D	C	B	Q	Wt (lb.) (kg.)
		inches	mm					
1-15/16	50	02 B 115	02 B 50	4.250	2.656	1.375	3.859	4.5
2		02 B 200		107.95	67.50	35.00	98.00	2.0
2-3/16		02 B 203						
2-1/4	60	02 B 204	02 B 60	5.000	2.844	1.531	4.567	7.0
2-7/16	65	02 B 207	02 B 65	127.00	72.30	38.90	116.00	3.0
2-1/2		02 B 208						
2-11/16		02 B 211						
2-3/4	70	02 B 212	02 B 70	5.875	3.250	1.813	5.433	11.0
2-15/16	75	02 B 215	02 B 75	149.22	82.60	46.10	138.00	5.0
3		02 B 300						
3-3/16		02 B 303						
3-1/4	80	02 B 304	02 B 80	6.688	3.528	1.906	6.141	16.0
3-7/16	85	02 B 307	02 B 85	169.86	89.70	48.40	156.00	7.0
3-1/2	90	02 B 308	02 B 90					
3-11/16		02 B 311						
3-3/4	100	02 B 312	02 B 100	7.625	3.622	2.031	7.008	19.8
3-15/16	105	02 B 315	02 B 105	193.68	92.11	51.60	178.00	9.0
4		02 B 400						
4-3/16		02 B 403						
4-7/16	110	02 B 407	02 B 110	9.000	3.938	2.250	7.953	35.3
4-1/2	115	02 B 408	02 B 115	228.60	100.00	57.20	202.00	16.0
4-15/16	120	02 B 415	02 B 120	10.000	4.500	2.500	8.819	44.1
5	125	02 B 500	02 B 125	254.00	114.30	63.50	224.00	20.0
	130		02 B 130					
5-3/16		02 B 503						
5-7/16	140	02 B 507	02 B 140	10.750	4.625	2.625	9.449	53.0
5-1/2	145	02 B 508	02 B 145	273.05	117.50	66.70	240.00	24.0
5-15/16	150	02 B 515	02 B 150	11.500	4.875	2.688	10.156	64.0
6	155	02 B 600	02 B 155	292.10	123.80	68.30	258.00	29.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference i.e. 02 B 100mm EX.

#### Chamfers

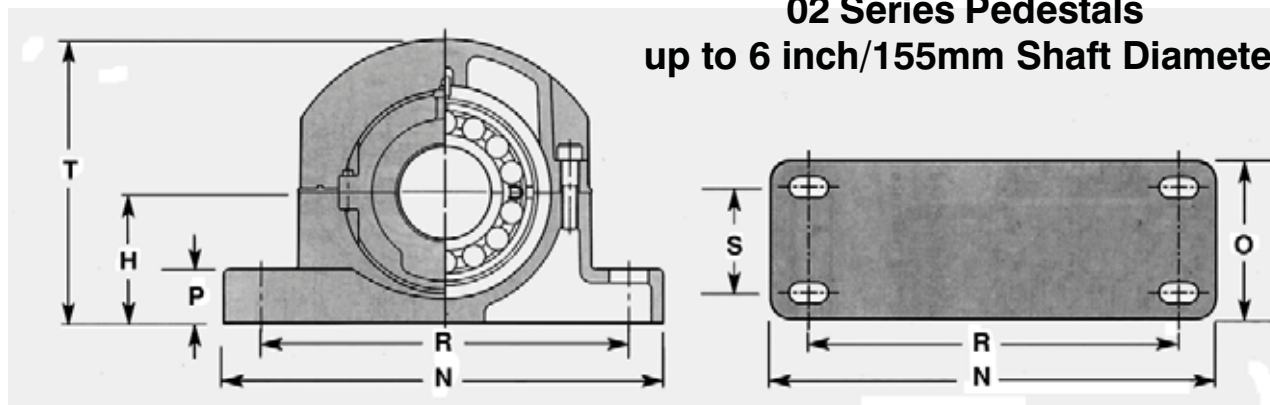
Inner Race: Sizes to 3-1/2 / 90mm: 1/16 / 1.5mm, over 3-1/2 / 90mm: 3/32 / 2.5mm  
Outer Race: Sizes to 4 / 105mm: 1/32 / 1.0mm, over 4 / 105mm: 1/16 / 1.5mm

#### Cartridge Unit

Cartridge, Bearing and Seals	Cartridge Housing Only		G	J	L	Available Axial Movement Note (1)	Wt (lb.) (kg.)
02 BC 115	02 BC 50	02 C 03	5-5/16	1-1/4	4-7/16	7/16	13.0
02 BC 200			134.94	32.00	114.00	11.10	6
02 BC 203							
02 BC 204	02 BC 60	02 C 04	6-3/16	1-1/2	4-15/16	15/32	22.0
02 BC 207	02 BC 65		157.16	38.00	126.00	11.90	10.0
02 BC 208							
02 BC 211							
02 BC 212	02 BC 70	02 C 05	7	2	5-1/2	17/32	30.9
02 BC 215	02 BC 75		177.80	50.00	140.00	13.50	14.0
02 BC 300							
02 BC 303							
02 BC 304	02 BC 80	02 C 06	8	2	6-1/16	9/16	37.5
02 BC 307	02 BC 85		203.20	50.00	154.00	14.30	17.0
02 BC 308	02 BC 90						
02 BC 311							
02 BC 312	02 BC 100	02 C 07	9-1/8	2-1/2	5-3/4	17/32	43.3
02 BC 315	02 BC 105		231.78	64.00	146.00	13.50	21.0
02 BC 400							
02 BC 403							
02 BC 407	02 BC 110	02 C 08	10-1/2	3	6-3/8	17/32	77.2
02 BC 408	02 BC 115		266.70	76.00	162.00	13.50	35.0
02 BC 415	02 BC 120		11-5/8	3-1/4	7-1/4	5/8	101.4
02 BC 500	02 BC 125	02 C 10	295.28	82.00	184.00	15.90	46.0
	02 BC 130						
02 BC 503							
02 BC 507	02 BC 140	02 C 30	12-3/4	3-1/2	7-3/8	5/8	125.7
02 BC 508	02 BC 145		323.85	90.00	188.00	15.90	57.0
02 BC 515	02 BC 150	02 C 31	13-1/4	13-3/4	8.000	5/8	150.0
02 BC 600	02 BC 155		336.55	95.00	204.00	15.90	68.0

- (1) Offset from centerline to accommodate axial movement should not exceed half this amount.
- (2) Q diameter clears clamp rings.

### 02 Series Pedestals up to 6 inch/155mm Shaft Diameter



Pedestals														
Shaft Diameter (d)		Pedestals Complete		Pedestal Casting Only	H	N	*O	P	Bolts	R		S	T	Wt (lb.) (kg.)
inches	mm	inches	mm							Min	Max			
1-15/16	50	02 BCP 115	02 BCP 50	P03	3-5/32	11	*2-3/4	1-1/4	two (3)	8-7/8	9-1/2		7	26.4
2		02 BCP 200			80.00	280.00	70.00	32.00	5/8 inch M16	226.00	242.00		180.00	12.0
2-3/16		02 BCP 203												
2-1/4	60	02 BCP 204	02 BCP 60	P04	3-3/4	13	*3	1-1/2	two (3)	10-1/4	11		8-1/8	39.6
2-7/16	65	02 BCP 207	02 BCP 65		95.00	330.00	76.00	38.00	3/4 inch M20	260.00	280.00		208.00	18.0
2-1/2		02 BCP 208												
2-11/16		02 BCP 211												
2-3/4	70	02 BCP 212	02 BCP 70	P05	4-13/32	15	*3-35/64	1-3/4	two (3)	12-9/32	12-29/32		10	67.8
2-15/16	75	02 BCP 215	02 BCP 75		112.00	380.00	90.00	44.00	7/8 inch M24	312.00	328.00		252.00	30.8
3		02 BCP 300												
3-3/16		02 BCP 303												
3-1/4	80	02 BCP 304	02 BCP 80	P06	4-15/16	16-17/32	*4-1/64	2	two (3)	3-15/32	14-13/32		10-3/4	86.2
3-7/16	85	02 BCP 307	02 BCP 85						7/8 inch M24					
3-1/2	90	02 BCP 308	02 BCP 90											
3-11/16		02 BCP 311												
3-3/4	100	02 BCP 312	02 BCP 100	P07	5-5/8	18-3/4	*4-23/32	2-3/8	two (3)	4-23/32	16-9/64		12-3/8	104.8
3-15/16	105	02 BCP 315	02 BCP 105		143.00	466.00	120.00	60.00	7/8 inch M24	374.00	410.00		314.00	47.6
4		02 BCP 400												
4-3/16		02 BCP 403							four					
4-7/16	110	02 BCP 407	02 BCP 110	P08	6-3/8	20.00	7.00	1-1/2	7/8 inch M24	17-1/4	18-3/16	4-3/4	14-3/4	176.0
4-1/2	115	02 BCP 408	02 BCP 115		162.00	508.00	178.00	38.00		438.00	462.00	120.00	372.00	80.0
4-15/16	120	02 BCP 415	02 BCP 120		7-1/8	22	7	1-5/8	four	19	20	4-3/4	16-1/4	223.0
5	125	02 BCP 500	02 BCP 125	P10	181.00	558.00	178.00	40.00	7/8 inch M24	484.00	508.00	120.00	415.00	101.5
	130	02 BCP 130												
5-3/16		02 BCP 503			8	24	7	2	four	21	22	4-3/4	18	291.0
5-7/16	140	02 BCP 507	02 BCP 140	P30	203.00	610.00	178.00	50.00	1 inch M24	533.00	559.00	120.00	460.00	132.3
5-1/2	145	02 BCP 508	02 BCP 145											
5-15/16	150	02 BCP 515	02 BCP 150		8-1/4	25	8	2	four	21-1/2	22-1/2	5	18-1/2	340.0
6	155	02 BCP 600	02 BCP 155	P31	210.00	636.00	204.00	50.00	1 inch M24	546.00	572.00	127.00	470.00	154.5

Add mm for millimeters and EX for expansion type or GR for fixed type to reference  
i.e. 02 BCP 100mm GR

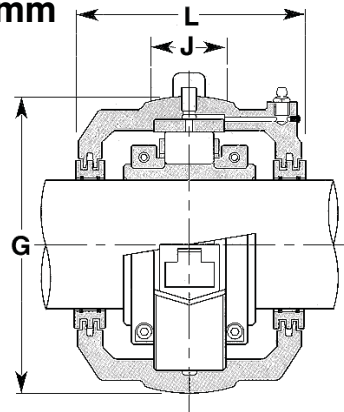
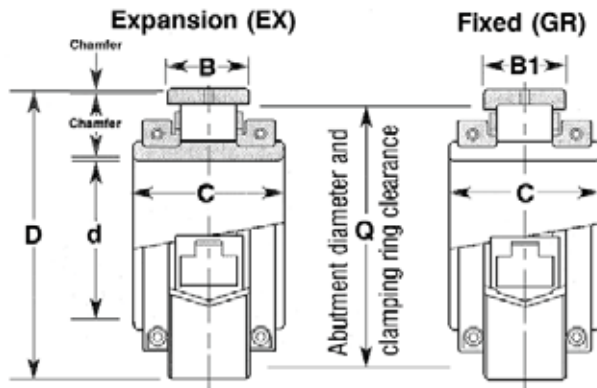
(3) These pedestals are furnished in two or four bolt configuration.

\* Dimensions listed apply to two bolt bases only.

# SPLIT UNITS

## Cooper Bearings 03 Series Bearings and Cartridges

### 03 Series Bearings and Cartridges 3-15/16 inch/100mm through 10 inches/260mm



Lubricating points  
sizes to 4-1/2"  
are tapped 1/8"  
NPT.

Over 4-1/2" are  
tapped 1/4" NPT.

All grooved outer  
races must be  
clamped axially.  
Provision is made  
for these Cooper  
cartridges.

Roller Bearing								
Shaft Diameter (d)		Bearing Only		D	C	B B1	Q	Wt (lb.) (kg.)
inches	mm	inches	mm					
3-15/16	100	03 B 315	03 B 100	10.000	5.354	3.313	8.622	66.0
4		03 B 400		254.00	136.00	84.20	219.00	30.0
4-7/16	110	03 B 407	03 B 110	10.500	5.787	3.438	9.134	79.0
4-1/2	120	03 B 408	03 B 120	266.70	147.00	87.30	232.00	36.0
4-15/16	130	03 B 415	03 B 130	11.000	5.500	2.875	9.646	80.0
5		03 B 500		279.40	140.00	73.10	245.00	36.0
						3.313		
						84.20		
5-7/16	140	03 B 507	03 B 140	12.000	5.787	3.125	10.630	97.0
5-1/2		03 B 508		304.80	147.00	79.40	270.00	44.0
						3.563		
						90.50		
5-15/16	150	03 B 515	03 B 150	13.000	6.299	3.188	11.496	125.0
6		03 B 600		330.20	160.00	81.00	292.00	57.0
						3.813		
						96.90		
6-7/16	160	03 B 607	03 B 160	14.000	6.720	4.063	12.125	158.0
6-1/2	170	03 B 608	03 B 170	355.60	171.00	103.20	308.00	72.0
6-15/16	180	03 B 615	03 B 180	14.750	7.008	3.625	12.835	175.0
7		03 B 700		374.65	178.00	92.10	326.00	79.0
						4.280		
						108.80		
7-15/16	190	03 B 715	03 B 190	16.500	7.520	3.844	14.409	232.0
8	200	03 B 800	03 B 200	419.10	191.00	97.70	366.00	105.0
						4.656		
						118.30		
9	220	03 B 900	03 B 220	18.500	8.346	4.311	16.141	320.0
				469.90	212.00	109.60	410.00	145.0
						5.185		
						131.80		
10	240	03 B 1000	03 B 240	19.000	8.307	4.156	16.929	330.0
	260		03 B 260	482.60	211.00	105.60	430.00	150.0
						4.906		
						124.60		

Cartridge Unit							
Cartridge, Bearing and Seals		Cartridge Housing Only	G	J	L	Available Axial Movement Note (1)	Wt (lb.) (kg.)
inches	mm	inches					
03 BC 315	03 BC 100	03 C 54	12-1/8	3-3/4	8-1/8	15/22	156.0
03 BC 400			308.00	95.00	206.00	29.40	71.0
03 BC 407	03 BC 110	03 C 55	12-3/4	4	8-3/4	15/32	181.0
03 BC 408	03 BC 120		323.85	102.00	222.00	29.40	82.0
03 BC 415	03 BC 130	03 C 56	12-3/4	4.00	8-3/4	3/4	185.0
03 BC 500			323.85	102.00	222.00	19.10	84.0
03 BC 507	03 BC 140	03 C 57	14	4-1/4	9-1/16	3/4	211.0
03 BC 508			355.60	108.00	230.00	19.10	96.0
03 BC 515	03 BC 150	03 C 58	15-1/2	4-1/2	10	21/32	280.0
03 BC 600			393.70	114.00	254.00	16.70	127.0
03 BC 607	03 BC 160	03 C 59	16-5/8	4-3/4	10-9/16	1-1/4	338.0
03 BC 608	03 BC 170		422.30	120.00	268.00	31.80	153.0
03 BC 615	03 BC 180	03 C 60	17	5-1/4	11-3/16	21/32	365.0
03 BC 700			431.80	132.00	284.00	16.70	166.0
03 BC 715	03 BC 190	03 C 61	19-1/4	5-3/4	11-3/16	21/32	472.0
03 BC 800	03 BC 200		489.00	146.00	300.00	16.70	214.0
03 BC 900	03 BC 220	03 C 62	21-1/2	6-1/2	13-5/32	3/4	660.0
			546.10	165.00	334.00	19.10	300.0
03 BC 1000	03 BC 240	03 C 63	22	6-1/2	13-5/32	19/32	685.0
	03 BC 260		558.80	165.00	334.00	15.10	311.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference i.e. 03 B 150mm EX.

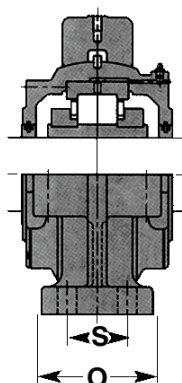
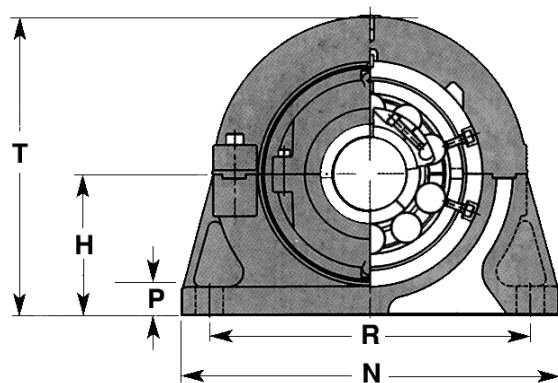
#### Chamfers

Inner Race: Sizes to 6 / 150mm: 3/32 / 2.5mm,  
over 6 / 150mm: 1/8 / 3mm  
Outer Race: 1/8 / 3mm

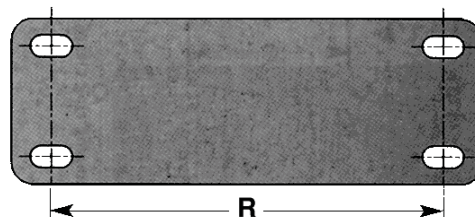
- (1) Offset from centerline to accommodate axial movement should not exceed half this amount.
- (2) Q diameter clears clamp rings.

# SPLIT UNITS

Cooper Bearings  
03 Series Pedestals



**03 Series Pedestals**  
**3-15/16 inch/100mm**  
**through 10 inches/260mm**



Pedestals														
Shaft Diameter (d)		Pedestals Complete		Pedestal Casting Only	H	N	*O	P	Bolts	R		S	T	Wt (lb.) (kg.)
inches	mm	inches	mm							Min	Max			
3-15/16	100	03 BCP 315	03 BCP 100	P54	7-17/32	20-1/4	6	1-1/2	4 - 7/8	16-3/4	17-3/4	3-1/4	16	320.0
4	100	03 BCP400			191	514	152	38	M24	425	451	82	405	145.0
4-7/16	110	03 BCP407	03 BCP 110	P55	7-3/4	21	6-1/2	1-1/2	4 - 1	17-1/2	18-1/2	3-1/2	16-3/4	370.0
4-1/2	120	03 BCP 408	03 BCP 120		197	534	166	38	M24	445	470	88	425	168.0
4-15/16	130	03 BCP 415	03 BCP 130	P56	8	21-1/2	6-1/2	1-7/8	4 - 1	18	19	3-3/4	17-1/8	400.0
5	130	03 BCP 500			203	546	166	48	M24	457	482	96	435	182.0
5-7/16	140	03 BCP 507	03 BCP 140	P57	9	24-1/2	7	2-1/8	4- 1-1/4	19-1/2	21	4	19	490.0
5-1/2	140	03 BCP 508			229	622	178	54	M30	495	533	102	485	222.0
5-15/16	150	03 BCP 515	03 BCP 150	P58	10	26-1/4	8	2-1/4	4- 1-1/4	21-1/4	22-3/4	4-3/4	21	665.0
6	150	03 BCP 600			254	666	204	57	M30	540	578	120	535	302.0
6-7/16	160	03 BCP 607	03 BCP 160	P59	10-1/2	29	9	2-3/8	4- 1-1/4	24	25-1/2	5-1/2	22-1/2	750.0
6-1/2	170	03 BCP 608	03 BCP 170		267	736	228	60	M30	610	648	140	570	340.0
6-15/16	180	03 BCP 615	03 BCP 180	P60	11	30	10	2-1/2	4- 1-1/4	24-1/4	25-3/4	6	22-7/8	848.0
7	180	03 BCP 700			279	762	254	64	M30	616	654	152	580	385.0
7-15/16	190	03 BCP 715	03 BCP 190	P61	12-1/4	33	10-1/2	2-5/8	4- 1-1/2	24-1/4	25-3/4	6-3/4	25-3/4	1132
8	200	03 BCP 800	03 BCP 200		311	838	266	67	M36	616	654	172	655	515.0
9	220	03 BCP 900	03 BCP 220	P62	13-3/4	17-1/2	11	3	4- 1-3/4	28-1/4	29-3/4	7	28-3/4	1580
					349	952	280	76	M42	718	756	178	730	715.0
10	240	03 BCP 1000	03 BCP 240	P63	15-1/2	36	16	3	4- 1-3/4	25-5/8	27-1/8	12	31	1800
	260		03 BCP 260		394	914	406	76	M42	651	689	304	790	815.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference  
i.e. 03 BCP 200mm EX

## FLANGES

Flanges provide a simple means of mounting Cooper split roller bearings against a vertical or horizontal face. These housings embody standard swivel cartridges which may be assembled with expansion (EX) or fixed (GR) bearings.

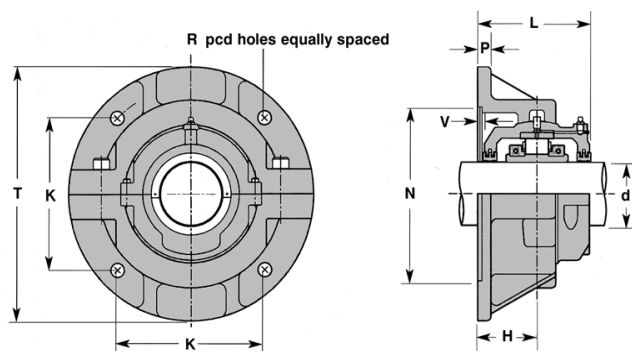
Where shafts terminate at the bearings, cartridge ends may be fitted with blanking plates or in the case of expansion bearings to 90mm, blanking plates with thrust bearings for one way positioning.

The rear face of the flange is recessed for use with a spigot if required. Tolerance f8 on spigot to fit recess N.

The top halves of both flange and cartridge can be lifted for inspection of rolling surfaces.

Standard cast iron flanges normally have drilled bolt holes with outer surface as cast. Fitting flat washers under the bolt heads is recommended. Cast steel flanges normally have drilled holes and are spot faced.

Flanges over 12"/300mm available on request. For vertical shafts, bearings and flanges may require modified construction, special seals and lubrication. Maximum load on C.I. flanges 0.26 Cor or 0.25 Ca. Higher loads at slow speeds and shock conditions require steel or nodular iron flanges and high tensile bolts. The support plate must be adequate.



### 01 Series Flanges up to 12 inch/300mm Shaft Diameter

01 Series Flanges														
Shaft Diameter (d)	Flanges Complete			Flange Outer Casting	T	Bolts	R	K	P	H	N	V	L	Wt (lb.) (kg.)
	inches	mm	inches											
1-3/16	35	01 BCF 103	01 BCF 35	F01	8	4 - 1/2	6-7/16	4-9/16	1/2	2	4-11/16	1/8	3-11/16	18.0
1-1/4	40	01 BCF 104	01 BCF 40		204	M12	164	116.0	13	51	119.06	3	94	8.0
1-7/16		01 BCF 107												
1-1/2		01 BCF 108												
1-11/16	45	01 BCF 111	01 BCF 45	F02	8-1/2	4 - 1/2	7-1/8	5	1/2	2-1/4	5-3/8	1/8	4-3/16	25.0
1-3/4	50	01 BCF 112	01 BCF 50		216	M12	180	127.3	13	57	136.52	3	106	11.0
1-15/16		01 BCF 115												
2		01 BCF 200												
2-3/16	60	01 BCF 203	01 BCF 60	F03	10-1/4	4 - 1/2	8-9/16	6-1/16	5/8	2-5/8	6-9/16	1/8	4-11/16	33.0
2-1/4	65	01 BCF 204	01 BCF 65		260	M12	218	154.2	16	67	166.69	3	120	15.0
2-7/16		01 BCF 207												
2-1/2		01 BCF 208												
2-11/16	70	01 BCF 211	01 BCF 70	F04	11-1/4	4 - 1/2	9-9/16	6-3/4	5/8	2-7/8	7-9/16	1/8	5-1/8	46.0
2-3/4	75	01 BCF 212	01 BCF 75		286	M12	242	171.1	16	73	192.09	3	130	21.0
2-15/16		01 BCF 215												
3		01 BCF 300												
3-3/16	80	01 BCF 303	01 BCF 80	F05	13	4 - 5/8	10-3/4	7-5/8	3/4	3-1/8	8-1/2	1/8	5-13/16	68.0
3-1/4	85	01 BCF 304	01 BCF 85		330	M16	274	193.7	19	79	215.90	3	148	31.0
3-7/16	90	01 BCF 307	01 BCF 90											
3-1/2		01 BCF 308												
3-11/16	100	01 BCF 311	01 BCF 100	F06	14	4 - 5/8	11-7/8	8-3/8	3/4	3-3/8	9-5/8	1/8	6	82.0
3-3/4	105	01 BCF 312	01 BCF 105		356	M16	302	213.6	19	86	244.47	3	154	37.0
3-15/16		01 BCF 315												
4		01 BCF 400												
4-3/16	110	01 BCF 403	01 BCF 110	F07	15	4 - 5/8	13-1/8	9-5/16	7/8	3-5/8	10-7/8	1/8	6-7/16	112.0
4-7/16	115	01 BCF 407	01 BCF 115		382	M16	334	236.2	22	92	276.22	3	164	51.0
4-1/2		01 BCF 408												
4-15/16	120	01 BCF 415	01 BCF 120	F08	17	4 - 7/8	14-3/4	10-7/16	7/8	3-7/8	12-3/8	1/8	6-15/16	158.0
5	125	01 BCF 500	01 BCF 125		432	M24	374	264.5	22	98	314.32	3	176	72.0
	130		01 BCF 130											
5-3/16	135	01 BCF 503	01 BCF 135											
5-7/16	140	01 BCF 507	01 BCF 140	F09	17-1/2	4 - 7/8	15-1/8	10-11/16	1	3-7/8	12-1/2	1/8	7-3/16	172.0
5-1/2		01 BCF 508			444	M24	384	271.5	25	98	317.50	3	182	78.0
5-15/16	150	01 BCF 515	01 BCF 150											
6	155	01 BCF 600	01 BCF 155		470	M24	412	291.3	25	114	346.07	3	202	94.0
6-7/16	160	01 BCF 607	01 BCF 160	F11	19-1/2	4 - 1	16-3/4	11-7/8	1	4-1/8	13-7/8	1/8	7-15/16	220.0
6-1/2		01 BCF 608			496	M24	426	301.2	25	105	352.42	3	202	100.0
6-15/16	170	01 BCF 615	01 BCF 170											
7	180	01 BCF 700	01 BCF 180		20	4 - 1	17-1/4	12-3/16	1-1/8	4-1/4	14-3/8	1/8	8-3/16	232.0
				F12	508	M24	438	309.7	29	108	365.12	3	208	105.0
7-15/16	190	01 BCF 715	01 BCF 190											
8	200	01 BCF 800	01 BCF 200		21	4 - 1	18-5/8	13-3/16	1-1/4	4-1/4	15-3/4	1/8	8-3/16	278.0
					534	M24	474	335.2	32	108	400.05	3	208	126.0
9	220	01 BCF 900	01 BCF 220	F14	23	4 - 1-1/4	20-1/8	14-1/4	1-3/8	4-5/8	17.00	1/8	8-7/8	326.0
					584	M30	512	362.0	35	117	431.80	3	226	148.0
10	240	01 BCF 1000	01 BCF 240											
					24	4 - 1-1/4	21-3/8	15-1/16	1-3/8	4-5/8	18-1/4	1/8	9	370.0
				F15	610	M30	542	383.3	35	117	463.55	3	228	168.0
11	260	01 BCF 1100	01 BCF 260											
					26	4 - 1-1/4	23	16-1/4	1-1/2	4-7/8	19-7/8	1/8	9-7/16	474.0
	280	01 BCF 280	01 BCF 280		660	M30	584	413.0	38	124	504.82	3	240	215.0
12	300	01 BCF 1200	01 BCF 300	F17										
					28	4 - 1-1/4	24-5/8	17-7/16	1-1/2	5-1/4	21-1/4	1/8	10-1/8	584.0
					712	M30	626	442.7	38	133	539.75	3	258	265.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference.



### 02 Series Flanges up to 12inch /300mm Shaft Diameter

02 Series Flanges														
Shaft Diameter (d)		Flanges Complete		Flange Outer Casting	T	Bolts	R	K	P	H	N	V	L	Wt (lb.) (kg.)
inches	mm	inches	mm											
1-15/16	50	02 BCF 115	02 BCF 50	F03	10-1/4	4 - 1/2	8-9/16	6-1/16	5/8	2-5/8	6-9/16	1/8	4-7/8	33.0
2		02 BCF 200			260	M12	218	154.2	16	67	166.69	3	124	15.0
2-3/16	60	02 BCF 203	02 BCF 60	F04	11-1/4	4 - 1/2	9-9/16	6-3/4	5/8	2-7/8	7-9/16	1/8	5-3/8	46.0
2-1/4	65	02 BCF 204	02 BCF 65		286	M12	242	171.1	16	73	192.09	3	136	22.0
2-7/16		02 BCF 207												
2-1/2		02 BCF 208												
2-11/16	70	02 BCF 211	02 BCF 70	F05	13	4 - 5/8	10-3/4	7-5/8	3/4	3-1/8	8-1/2	1/8	5-7/8	72.0
2-3/4	75	02 BCF 212	02 BCF 75		330	M16	274	193.7	19	79	215.90	3	150	33.0
2-15/16		02 BCF 215												
3		01 BCF 300												
3-3/16	80	02 BCF 303	02 BCF 80	F06	14	4 - 5/8	11-7/8	8-3/8	3/4	3-3/8	9-5/8	1/8	6-7/16	88.0
3-1/4	85	02 BCF 304	02 BCF 85		356	M16	302	213.6	19	86	244.47	3	164	40.0
3-7/16	90	02 BCF 307	02 BCF 90											
3-1/2		02 BCF 308												
3-11/16	100	02 BCF 311	02 BCF 100	F07	15	4 - 5/8	13-1/8	9-5/16	7/8	3-5/8	10-7/8	1/8	6-1/2	112.0
3-3/4	105	02 BCF 312	02 BCF 105		382	M16	334	236.2	22	92	276.22	3	166	51.0
3-15/16		02 BCF 315												
4		02 BCF 400												
4-3/16	110	02 BCF 403	02 BCF 110	F08	17	4 - 7/8	14-3/4	10-7/16	7/8	3-7/8	12-3/8	1/8	7-1/16	165.0
4-7/16	115	02 BCF 407	02 BCF 115		432	M24	374	264.5	22	98	314.32	3	180	75.0
4-1/2		02 BCF 408												
4-15/16	120	02 BCF 415	02 BCF 120	F10	18-1/2	4 - 1	16-1/4	11-1/2	1	4-1/2	13-5/8	1/8	8-1/8	220.0
5	125	02 BCF 500	02 BCF 125		470	M24	412	291.3	25	114	346.07	3	206	100.0
	130	02 BCF 130												
5-3/16	140	02 BCF 503	02 BCF 140	F30	20	4 - 1	17-1/2	12-3/8	1	4-1/2	14-7/8	1/8	8-3/16	265.0
5-7/16		02 BCF 507			508	M24	444	314.0	25	114	377.82	3	208	120.0
5-1/2		02 BCF 508												
5-15/16	150	02 BCF 515	02 BCF 150	F31	21	4 - 1	18-3/8	13	1	4-7/8	15-1/2	1/8	8-7/8	310.0
6	155	02 BCF 600	02 BCF 155		534	M24	466	329.5	25	124	393.70	3	226	140.0
6-7/16	160	02 BCF 607	02 BCF 160	F32	23	4 - 1-1/4	20	14-1/8	1-1/8	4-7/8	16-7/8	3/16	9-7/16	375.0
6-1/2	170	02 BCF 608	02 BCF 170		584	M30	508	359.2	29	124	428.62	5	240	170.0
6-15/16	180	02 BCF 615	02 BCF 180	F33	23-1/2	4 - 1-1/4	20-5/8	14-9/16	1-1/4	5-1/8	17-1/2	3/16	9-7/8	463.0
7		02 BCF 700			596	M30	524	370.5	32	130	444.50	5	252	210.0
7-15/16	190	02 BCF 715	02 BCF 190	F34	25-1/2	4 - 1-1/4	22-1/2	15-13/16	1-1/4	5-3/8	19-3/8	3/16	10-7/16	640.0
8	200	02 BCF 800	02 BCF 200		648	M30	572	404.5	32	137	492.12	5	266	290.0
9	220	02 BCF 900	02 BCF 220	F35	28	4 - 1-1/2	24-3/8	17-1/4	1-3/8	5-3/4	20-3/4	3/16	11-1/8	701.0
					712	M36	620	438.4	35	146	527.05	5	284	318.0
10	240	02 BCF 1000	02 BCF 240	F36	29	4 - 1-1/2	26	18-3/8	1-1/2	5-7/8	22-3/8	3/16	11-3/8	750.0
	260	02 BCF 260			736	M36	660	466.7	38	149	568.32	5	290	340.0
11	280	02 BCF 1100	02 BCF 280	F37	30	8 - 1-1/4	26-7/8	19	1-1/2	6-1/4	23-3/4	3/16	12-1/8	870.0
					762	M30	682	482.3	38	159	603.25	5	310	395.0
12	300	02 BCF 1200	02 BCF 300	F38	31	8 - 1-1/4	27-7/8	19-11/16	1-5/8	6-3/8	24-3/4	3/16	12-3/8	984.0
					788	M30	708	500.6	41	162	628.65	5	316	446.0

Add mm for millimeters and EX for expansion type or GR for fixed type to reference.  
i.e. 02 BCF 300mm EX.

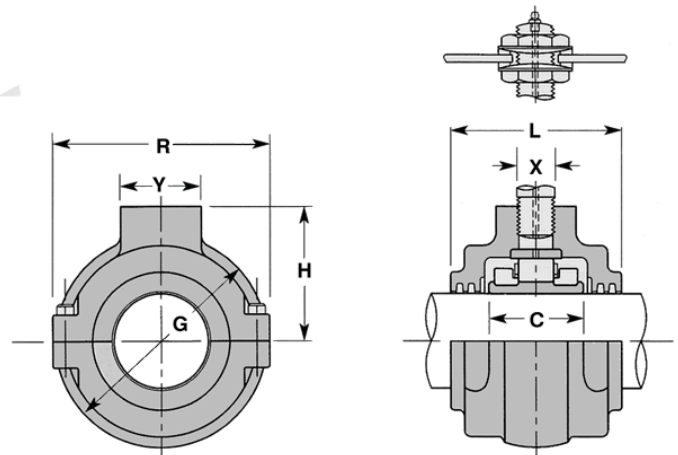
For shock conditions or loads greater than 26% of Cor or 25% of Ca, nodular iron or steel flanges and high tensile bolts should be considered.

## Hanger Type Bearings

Hanger bearings are a compact means of supporting the shafts of screw conveyors and similar equipment. The hanger comprises of a split roller bearing in a cast iron split housing with a threaded boss to facilitate suspension from the conveyor cross bracing. A swivel fixing at the cross bracing joint is recommended to provide alignment of the bearings.

Double felt or lipped rubber seals are provided, air purge seals are also available. The aspect of sealing should be carefully considered for each application.

Continuous grease feed is sometimes desirable and provision made through hanger rods.



### 01 Series Hanger Bearing up to 5-1/2 inch/140mm Shaft Diameter

Hanger Bearing											
Shaft diameter (d)		Bearing only		C	G	L	H	X	Y	R	Wt. (lb.) (kg)
inches	mm	inches	mm								
1 1/4		01 BH 104	01 BH 40	1.972	3 15/16	4 1/4	2 5/8	1	2	4 1/8	9
1 1/2	40	01 BH 108		50.1	100	108	66	M30	50	105	4
1 11/16		01 EBH 111	01 EBH 50	2.192	4 5/8	4 1/4	3	1	2	4 3/4	11
1 3/4		01 EBH 112		55.7	117	108	76	M30	50	121	5
1 15/16		01 EBH 115									
2	50	01 EBH 200									
2 3/16	60	01 EBH 203	01 EBH 60	2.192	5 15/16	4 1/4	3 1/4	1	2	5 3/8	13
2 1/4	65	01 EBH 204	01 EBH 65	55.7	135	108	82	M30	50	137	6
2 7/16		01 EBH 207									
2 1/2		01 EBH 208									
2 11/16	70	01 EBH 211	01 EBH 70	2.41	6 3/16	5 1/8	3 5/8	1	2	6 3/8	18
2 3/4	75	01 EBH 212	01 EBH 75	61.2	157	130	92	M30	50	162	8
2 15/16		01 EBH 215									
3		01 EBH 300									
3 3/16	80	01 EBH 303	01 EBH 80	2.781	7	5 3/4	4 1/2	1 1/2	3	7 3/8	29
3 1/4	85	01 EBH 304	01 EBH 85	70.7	178	146	114	M36	76	187	13
3 7/16	90	01 EBH 307	01 EBH 90								
3 1/2		01 EBH 308									
3 11/16	100	01 EBH 311	01 EBH 100	3.188	8	6	5	1 1/2	3	7 7/8	37
3 3/4	105	01 EBH 312	01 EBH 105	81	203	152	128	M36	76	200	17
3 15/16		01 EBH 315									
4		01 EBH 400									
4 3/16	110	01 BH 403	01 BH 110	3.342	9 1/8	6 1/8	5 1/2	1 1/2	3	8 3/4	53
4 7/16	115	01 BH 407	01 BH 115	84.9	232	156	140	M36	76	222	24
4 1/2		01 BH 408									
4 15/16	120	01 BH 415	01 BH 120	3.531	10 3/4	6 3/8	6 1/8	1 1/2	3	10 3/4	78
5	125	01 BH 500	01 BH 125	89.7	276	162	156	M36	76	276	35
	130	01 BH 130									
5 3/16	135	01 BH 503	01 BH 135	3.875	11	6 1/4	6 1/4	1 1/2	3	11	86
5 7/16	140	01 BH 507	01 BH 140	98.4	280	158	160	M36	76	280	39
5 1/2		01 BH 508									

Add mm for millimetres and EX for expansion type.  
i.e. 01 EBH 90mm EX

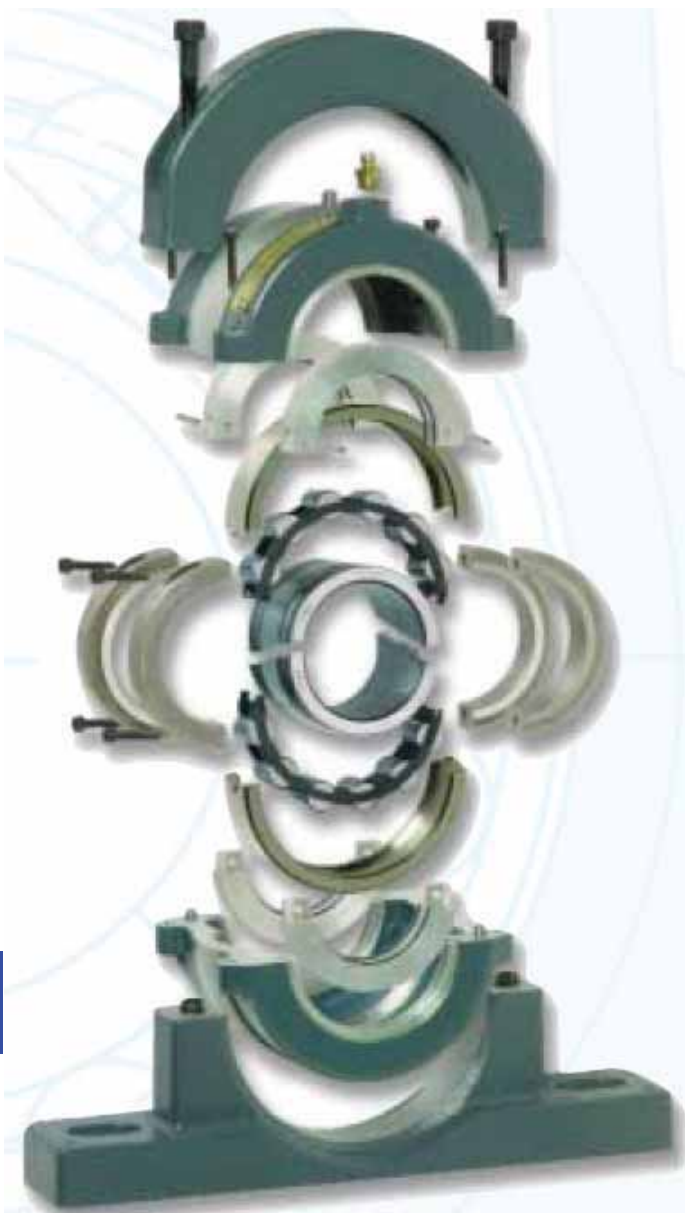
# SPLIT UNITS

**Cooper Bearings**  
SN Compatible Pedestal

S  
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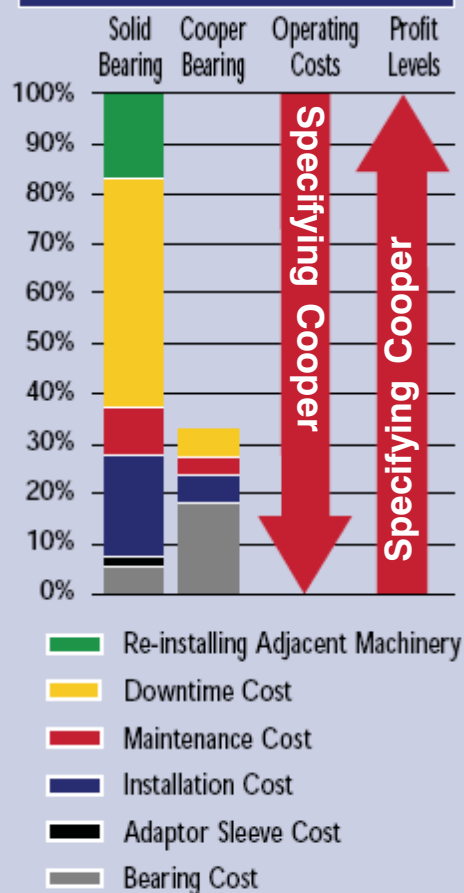
Conversion from solid bearing to Cooper split roller bearings is easy.

The SN compatible pedestal range offers the advantages of quick access, ease of change and low maintenance cost benefits of Cooper split bearing technology to both OEM's and end users.



- ❑ Dimensionally Interchangeable with SN 500 Housings
- ❑ Easier, Cost Effective Maintenance
- ❑ Superior Sealing Capability

## Demonstrable Cost Savings



## The New COOPER SN Product Line

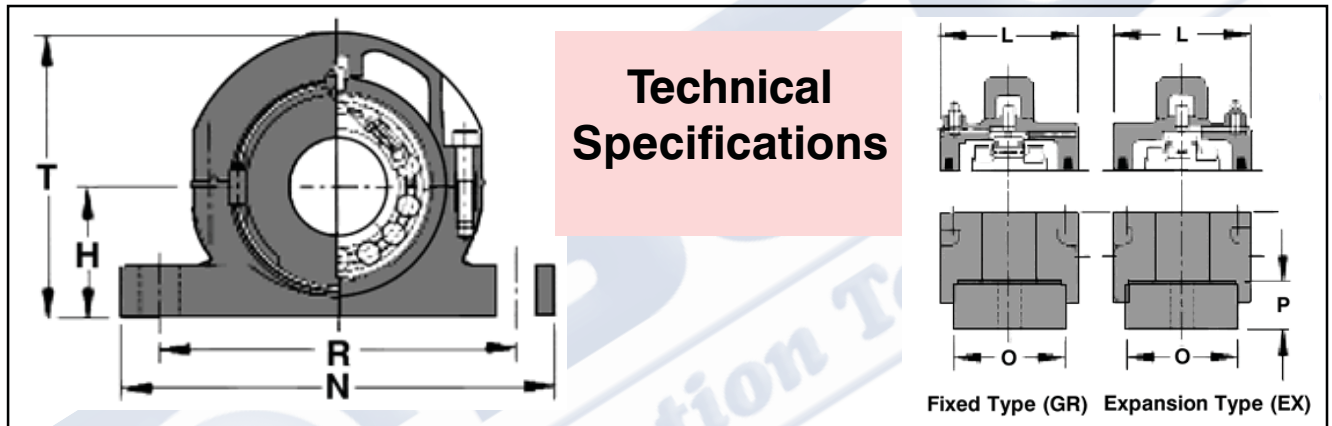
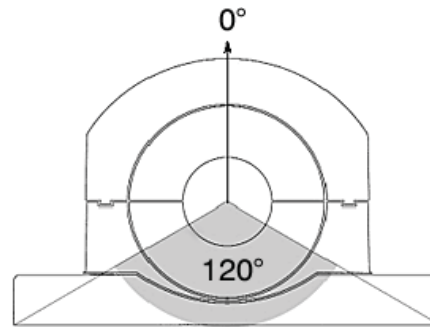
### SN Product Line

The housings have bolt hole centre distances and base to bearing centreline heights that conform to ISO 113-2. Complete SN assemblies are suitable for replacement of solid, self aligning ball bearings and, in most cases 222 Series double row spherical bearings, using adaptor sleeves, the Cooper SN compatible pedestal is available for bearings with shaft sizes from 2 1/4 (60mm) (SN513) to 5 1/2 (140mm) (SN532). The pedestals use standard Cooper 01 Series bearings and cartridges. This gives the option of using the comprehensive range of Cooper sealing options suitable for almost any application. The seals remain concentric to the shaft under misalignment conditions. The use of standard Cooper bearings and cartridges will cause the footprint area and total housing height to differ from compatible SN housings. Pedestals are made from grey cast iron. Temperature and vibration mounting points may be specified.

### Pedestal Loads

The maximum safe radial load for a pedestal casting is based on the bearing static rating  $C_{or}$ . The full  $C_{or}$  rating can be applied if the angle of the load falls within the shaded area of the diagram below. If the load falls outside the shaded area or is greater than  $C_{or}$ , please

consult BSC. When considering suitability of pedestal castings, the resultant effective radial load must be used. The effective radial load is the resultant of net loads and appropriate dynamic factors, excluding speed and life factors.



Shaft Size (inches)   (mm)		Pedestal Only	SN Ref	Complete Assembly	H	R Min	Max	Bolt Size	L	N	O	P	T
2-3/16	60	SNC513	513	01EBC SNC513 203	3-5/32	8-7/8	9-1/2	2 x 5/8	4-3/32	11-1/32	2-3/4	1-1/4	7-3/32
2-1/4				01EBC SNC513 204									
2-7/16	65	SNC515	515	01EBC SNC515 207	3-5/32	8-7/8	9-1/2	2 x 5/8	4-3/32	11-1/32	2-3/4	1-1/4	7-3/32
2-1/2				01EBC SNC515 208									
2-11/16	70	SNC516	516	01EBC SNC516 211	3-3/4	10	10-15/32	2 x 3/4	4-1/2	12-13/32	3-35/64	1-1/2	8-7/64
2-3/4				01EBC SNC516 212									
2-15/16	75	SNC517	517	01EBC SNC517 215	3-3/4	10	10-15/32	2 x 3/4	4-1/2	12-13/32	3-35/64	1-1/2	8-7/64
3				01EBC SNC517 300									
3-3/16	80	SNC518	518	01EBC SNC518 303	3-15/16	11-3/16	11-21/32	2 x 3/4	5-23/64	13-37/64	3-15/16	1-17/64	9-29/64
3-1/4				01EBC SNC518 304									
See Note	85	SNC519	519	01EBC SNC519 85mm	4-13/32	11-3/16	11-21/32	2 x 3/4	5-23/64	13-37/64	3-15/16	1-3/4	9-29/64
3-7/16	90	SNC520	520	01EBC SNC520 307	4-13/32	12-9/32	12-29/32	2 x 7/8	5-23/64	14-31/32	3-35/64	1-3/4	9-59/64
3-1/2				01EBC SNC520 308									
3-15/16	100	SNC522	522	01EBC SNC522 315	4-15/16	13-15/32	14-13/32	2 x 7/8	5-1/4	16-17/32	4-1/64	2-3/64	10-11/16
4				01EBC SNC522 400									
4-3/16	110	SNC524	524	01BC SNC524 403	5-1/2	13-35/64	14-1/64	2 x 7/8	5-5/8	16-9/64	4-23/32	1-25/32	12-13/64
4-7/16	115	SNC526	526	01BC SNC526 407	5-29/32	14-41/64	15-9/32	2 x 7/8	5-5/8	17-23/32	5-1/8	1-31/32	12-19/32
4-1/2				01EBC SNC526 408									
4-15/16	125	SNC528	528	01BC SNC528 415	5-29/32	16-19/64	16-25/32	2 x 1-1/4	6-1/8	19-11/16	5-29/32	1-31/32	14-11/64
5				01EBC SNC528 500									
5-3/16	135	SNC530	530	01BC SNC530 503	6-19/64	17-31/64	17-61/64	2 x 1-1/4	6-5/8	20-55/64	6-19/64	2-13/64	15
5-7/16	140	SNC532	532	01BC SNC532 507	6-11/16	18-3/16	18-13/16	2 x 1-1/4	6-5/8	21-31/32	7	1-39/64	15-25/64
5-1/2				01EBC SNC532 508									

Add EX for Expansion Type or GR for Fixed Type to reference.

Note: No Imperial Equivalent Shaft Size



# SPLIT UNITS

## Cooper Bearings SD Compatible Split Roller

### SDC Product Line

The housings have bolt hole centre distances and base to bearing centreline heights that conform to industry standard SD dimensions.

The Cooper SD compatible unit is available for shaft sizes from 150mm (SD3134) to 300mm (SD3164). Pedestals are manufactured from ductile iron castings.

The innovative 08SD series offers the benefit of a split to shaft bearing to heavy duty applications requiring a compact bearing envelope.

For lighter loads the standard Cooper 01 series bearing and cartridge is available in pedestals to SD dimensions. Temperature and vibration sensor mounting points may be specified. Overall housing height may differ from the height of equivalent SD units.

### SDC Features and Benefits

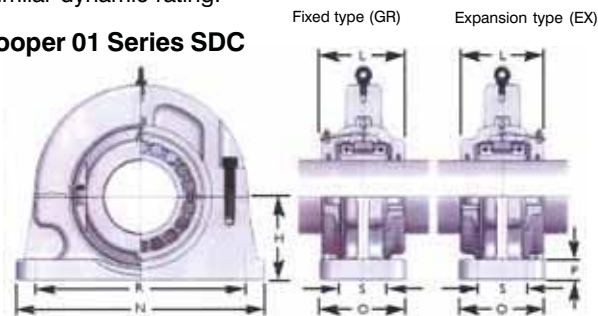
The use of standard Cooper 01 Series bearings and swivelling cartridges makes available the comprehensive range of Cooper sealing options suitable for almost any application. The seals remain concentric with the shaft under shaft misalignment conditions.

The outer race of 08 series bearings is arranged to swivel in the housing to provide an alignment facility. A polymeric seal protected by a felt seal is fitted as standard, with the option of seal grease purge points.

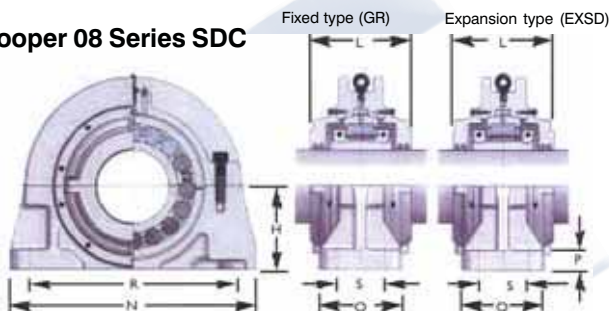
Cooper EX (Expansion) type bearings allow free movement of the shaft in the axial direction by allowing the rollers to spiral through one or other of the races as the bearing turns. The outer race is not required to slide through its housing which is a major cause of 'false thrust' and premature bearing failure in both the 'free' and fixed' positions with other types of rolling element bearing.

The Cooper 'GR' (Fixed) type cylindrical bearing carries the radial and axial loads on different surfaces. With the Cooper bearing only the radial load is considered in calculating the L10 life of the bearing, meaning that under combined radial and axial load conditions a greater life can be achieved by a bearing of similar dynamic rating.

### Cooper 01 Series SDC



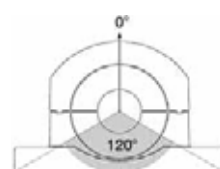
### Cooper 08 Series SDC



### Pedestal Loads

The maximum safe radial load for a pedestal casting is based on the bearing static rating  $C_{or}$ . The full  $C_{or}$  rating can be applied if

the angle of the load falls within the shaded area of the diagram below. If the load falls outside the



shaded area or is greater than  $C_{or}$ , please consult our technical department. When considering suitability of pedestal castings, the resultant effective radial load must be used. The effective radial load is the resultant of net loads and appropriate dynamic factors, excluding speed and life factors.

*\*We recommend confirmation of dimensions and load carrying capacities with Cooper prior to ordering.*

### Medium Duty 01 Series - Technical Specifications

Shaft Size mm	Pedestal Only	Bearing Ratings (kN)		Other Pedestal Compatible BC Units	H	R		S	Bolt Size	L	N	O	P
		Dyna C <sub>r</sub>	Static C <sub>or</sub>			Min	Max						
150	01SDC 3134	420	616	155mm 5 15/16"-6"	170 6 11/16"	424 16 11/16"	436 17 1/8"	100 3 15/16"	4 x M24 4 x 7/8" or 1"	174 6 7/8"	510 20 1/16"	178 7"	41 1 5/8"
160	01SDC 3136	475	708	160mm 6 7/16"-6 1/2"	180 7 3/32"	438 17 1/4"	462 18 3/16"	110 4 3/8"	4 x M24 4 x 7/8" or 1"	192 7 9/16"	530 20 7/8"	190 7 1/2"	40 1 9/16"
170	01SDC 3138	510	793	180mm 6 15/16"-7"	190 7 31/64"	468 18 7/16"	492 19 3/8"	120 4 3/4"	4 x M24 4 x 7/8" or 1"	200 7 7/8"	560 22 1/16"	200 7 7/8"	40 1 9/16"
180	01SDC 3140	510	793	170mm 6 15/16"-7"	210 8 17/64"	503 19 13/16"	517 20 5/16"	130 5 1/8"	4 x M30 4 x 1 1/4"	200 7 7/8"	600 23 5/8"	210 8 1/4"	40 1 9/16"
200	01SDC 3144	533	883	190mm 7 15/16"-8"	220 8 21/32"	533 21"	547 21 1/2"	140 5 1/2"	4 x M30 4 x 1 1/4"	200 7 7/8"	640 25 3/16"	240 9 7/16"	45 1 3/4"
220	01SDC 3148	577	980	9"	240 9 29/64"	593 23 3/8"	607 23 7/8"	150 5 7/8"	4 x M30 4 x 1 1/4"	216 8 1/2"	700 27 9/16"	250 9 7/8"	45 1 3/4"
240	01SDC 3152	640	1170	10"	260 10 15/64"	642 25 1/4"	658 25 7/8"	160 6 5/16"	4 x M36 4 x 1 1/2"	222 8 3/4"	770 30 5/16"	280 11"	45 1 3/4"
260	01SDC 3156	725	1333	280mm 11"	280 11 1/32"	662 26 1/16"	678 26 11/16"	160 6 5/16"	4 x M36 4 x 1 1/2"	232 9 1/8"	790 31 1/8"	280 11"	55 2 3/16"
280	01SDC 3160	725	1333	260mm 11"	300 11 13/16"	702 27 5/8"	718 28 1/4"	190 7 1/2"	4 x M36 4 x 1 1/2"	232 9 1/8"	830 32 11/16"	310 12 1/4"	55 2 3/16"
300	01SDC 3164	762	1456	12"	320 12 19/32"	742 29 1/4"	758 29 13/16"	200 7 7/8"	4 x M36 4 x 1 1/2"	248 9 3/4"	880 34 5/8"	320 12 5/8"	60 2 3/8"

### Heavy Duty 08 Series - Technical Specifications

Shaft Size mm	Complete Metric Assembly	Bearing Ratings (kN)		R			S	Bolt Size	L	N	O	P
		Dyna C <sub>r</sub>	Static C <sub>or</sub>	H	Min	Max						
150	08B SD3148 220M	730	1007	170	424	436	100	4 x M24	210	510	170	40
	08B SD3134 150M			6 11/16"	16 11/16"	17 1/8"	3 15/16"	4 x 7/8" or 1"	8 1/4"	20 1/16"	6 11/16"	1 9/16"
180	08B SD3140 180M	849	1191	210	503	517	130	4 x M30	235	600	210	45
	8 17/64"			19 13/16"	20 5/16"	5 1/8"	4 x 1 1/4"	9 1/4"	23 5/8"	8 1/4"	1 3/4"	
200	08B SD3144 200M	990	1457	220	533	547	140	4 x M30	255	640	230	50
	8 21/32"			21"	21 1/2"	5 1/2"	4 x 1 1/4"	10"	25 3/16"	9 1/16"	2"	
220	08B SD3148 220M	1067	1161	240	593	607	150	4 x M30	260	700	240	55
	9 29/64"			23 3/8"	23 7/8"	5 7/8"	4 x 1 1/4"	10 1/4"	27 9/16"	9 7/16"	2 3/16"	
240	08B SD3152 240M	1213	1756	260	642	658	160	4 x M36	280	770	270	60
	10 15/16"			25 1/4"	25 7/8"	6 5/16"	4 x 1 1/2"	11"	30 5/16"	10 5/8"	2 3/8"	



## Lubrication

Grease lubrication is usually satisfactory up to the normal maximum speeds shown in our Product Catalogue, subject to temperature and axial loads. We recommend (up to 100°C) the use of a good quality lithium based grease with extreme pressure (EP) additives i.e. EP2 or equivalent.

Greases with extreme pressure additives (EP) are advantageous, especially for high radial or axial loads. The permitted axial load on a (GR) fixed bearing is reduced by 50% if an EP grease is not used.

For extreme temperatures, speeds and high loads it is always advisable to obtain recommendations from our technical department. Greases of No2. consistency can generally be used for most applications and are also suitable for most pumped systems.

## Lubrication Points

Cooper cartridges are tapped 1/8 or 1/4 NPT according to size and Series. Grease nipples or temporary plugs are fitted as standard Special lubricators by arrangement. BSP fittings are acceptable, but will screw in further and care must be taken to avoid blocking off the horizontal grease passage. The lubricant is injected through the outer race directly onto the rolling surfaces. Pipework must be flexible to allow the swivel cartridge to function.

## Procedure

Calculate dN by multiplying the shaft speed by the bore of the bearing in millimetres e.g. 750 rpm x 100mm = 75000dN. Ensure that all bearing parts are clean and apply grease as follows.

For speeds up to dN = 50,000, the roller bearing and cartridge should be packed full on assembly, (full pack weights are given in the table). As the dN value increases, use progressively less grease to coat the bearing parts, from a full coating of the cage and bearing surfaces at dN = 50,000 or less down to a smear about 1mm thick at dN = 200,000 or more. Proportional amounts are shown in the Full Pack Chart.

All cartridge and seals should be well lubricated on assembly including the bores of the triple labyrinth seals and thrust bearings where fitted. Felt seals should be soaked in oil before fitting. Blanking plates should be sealed with grease or jointing compound. **Never assemble the bearing dry and inject grease after closing the cartridge. Always coat the swivel seatings with oil or grease.**

## Clamping Ring Screw

The tightening torques of the cartridge and pedestal screws are 75% of the value shown.

Bearing Sizes in millimetres									
<b>Series 01</b>	40-75	80-90	100-130	135-200	220-300	320-480	500-600	-	-
<b>Series 02</b>	-	50-60	70-100	110-150	160-180	190-260	280-460	480-600	-
<b>Series 03</b>	-	-	-	-	100-150	160-200	220-260	280-320	340-600
<b>Screw Size</b>	M4	M5	M6	M8	M10	M12	M16	M20	M24
<b>Key A/F</b>	3	4	5	6	8	10	14	17	19
<b>Torque Nm</b>	4.5	8.5	15	35	70	120	300	560	950

Bearing Sizes Imperial									
<b>Series 01</b>	1 1/2-3	3 1/4-3 1/2	3 3/4-5	5 1/2-8	9-12	13-19	20-24	-	-
<b>Series 02</b>	-	1 3/4-2 1/2	2 3/4-4	4 1/2-6	6 1/2-7	8-10	11-18	19-24	-
<b>Series 03</b>	-	-	-	-	4-6	6 1/2-8	9-10	11-13	14-23
<b>torque lbf ft</b>	3.5	6.5	11	26	52	88	220	415	700

## Routine Greasing

If possible re-grease the bearing as it rotates. The grease charges listed below are for bearings up to 75mm bore; use progressively more grease as the bearing size increases.

## Expansion (EX) Bearings

One or two shots (3ml) from a grease gun every 400 operating hours is usually sufficient.

## Fixed (GR) Bearings for Thrust

One or two shots (3ml) from a grease gun every two weeks i.e. 100 operating hours according to duty and experience.

## Fixed (GR) Bearings Used for Location only

Treat as Expansion (EX) bearings.

For bearings with speeds up to dN = 50,000 which are assembled with a full pack grease, re-greasing intervals can be increased to one year, provided the thrust load on the GR bearings is normal.

Pumped systems should be metered to be equivalent to the above quantities. Clean out and replace the grease after several years or as conditions dictate or determine.

# SPLIT UNITS

**Cooper Bearings**  
Split Roller Units

**Full Pack Chart**

dN		Full Pack
Over	To	
-	50,000	100%
50,000	100,000	75%
100,000	150,000	50%
150,000	200,000	33%
200,000	-	25%

**Grease Weights**

Grease Weights kg Full Pack Approx

Bearing Bore		Series (kg)		
		01	02	03
inch	mm	kg	kg	kg
1 1/2	40	0.06	-	-
2	50	0.09	0.15	-
2 1/2	65	0.15	0.21	-
3	75	0.18	0.30	-
3 1/2	90	0.30	0.45	-
4	100	0.36	0.60	1.20
4 1/2	110	0.51	0.90	1.40
5	130	0.60	1.20	1.40
5 1/2	140	0.78	1.40	2.00
6	150	0.90	1.40	2.70
6 1/2	170	1.00	1.40	3.60
7	180	1.20	2.00	4.20
8	200	1.40	2.70	5.40
9	220	1.40	3.60	6.90
10	260	2.00	4.20	8.10
11	280	2.00	4.80	10.00
12	300	2.00	5.40	11.00

**Pedestal Cap**

**Cartridge**

**Outer Race**

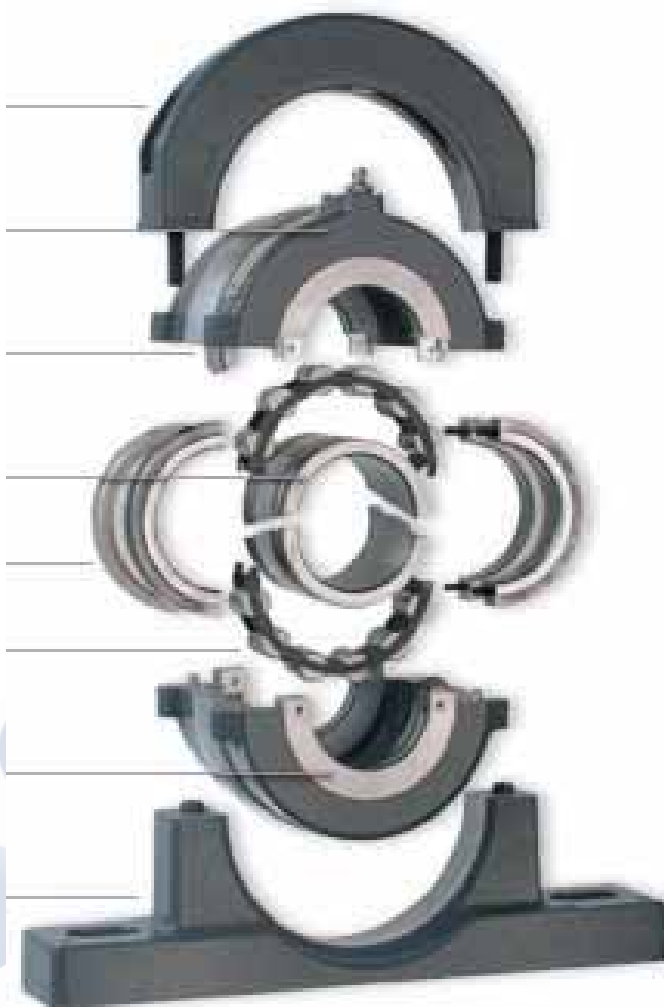
**Inner Race**

**Clamping Rings**

**Cage and Rollers**

**Aluminium Triple Labyrinth Seal**  
(alternatives available)

**Pedestal Base**



**Shaft Tolerance**

Diameters	Over To	- 50	50 80	80 120	120 180	180 250	250 315	315 400	400 500	500 630	Surface Texture	
<b>Shafts</b>	BS4500	Tolerance. $\mu\text{m}$ (0.001mm)										$\mu\text{mRa}$ Grade
Uni-directional loads at speeds up to dN = 100000	+0 d h7	25	30	35	40	46	52	57	63	70	3.2	N8
Moderate Loads (C/P > 10)												
Reciprocating loads												
Vibratory duty	+0 d h6	16	19	22	25	29	32	36	40	44	1.6	N7
Extra fine clearance bearings												
Speeds over dN = 100,000												
Heavy Loads (C/P < 10)												
<b>Geometric Accuracy</b>												
Cylindricity of Shaft	d											
Journal	IT6	16	19	22	25	29	32	36	40	44	-	

## Health and Safety At Work

We draw attention to the aspect of safety in the fitting and use of bearings. Damage to equipment and personal injury may result if bearings are not installed according to the instructions given here, or operated outside the limits and load given in the Product Catalogue. Any significant mist from lubricant should be ducted away. All threaded lifting holes are marked with the appropriate size. e.g. M16.

## Preliminary Notes

On simple shaft arrangements with one GR (Fixed) bearing and one or two EX (Expansion) bearings, the GR bearing should be positioned adjacent to the drive. On multiple bearing shaft arrangements please consult our technical department for bearing positions.

The GR (Fixed) bearing locates the shaft axially and should be, where possible, fitted first. EX (Expansion) bearings should be fitted to ensure the rollers will be central on the outer race when the bearing is in the correct running position or offset to allow for expansion. See Stage 2.

Unwrap bearings, parts, then unclip cage joint - you generally will have one of three options:

- 'U' Clips:** Remove and retain 2 steel clips using a small screwdriver - Diagram 5.
- Spring Plate Joint:** Lift up the jointing plate over locating pins using flat bladed screwdriver - Diagram 5A.
- Pressed Steel Cage:** Insert a small flat bladed screwdriver into one of the slots in the upper tab at the joint. Rotate the blade to open the joint, first on one side, then the other. Repeat for the second cage joint. Both joints must be disengaged before separating cage halves. Failure to do this may distort the cage thereby making it unusable.

Other types of jointing may be used.

Undo clamping ring screws and remove clamping rings from inner race. Remove the preservative from all parts. Handle half cages and rollers with care.

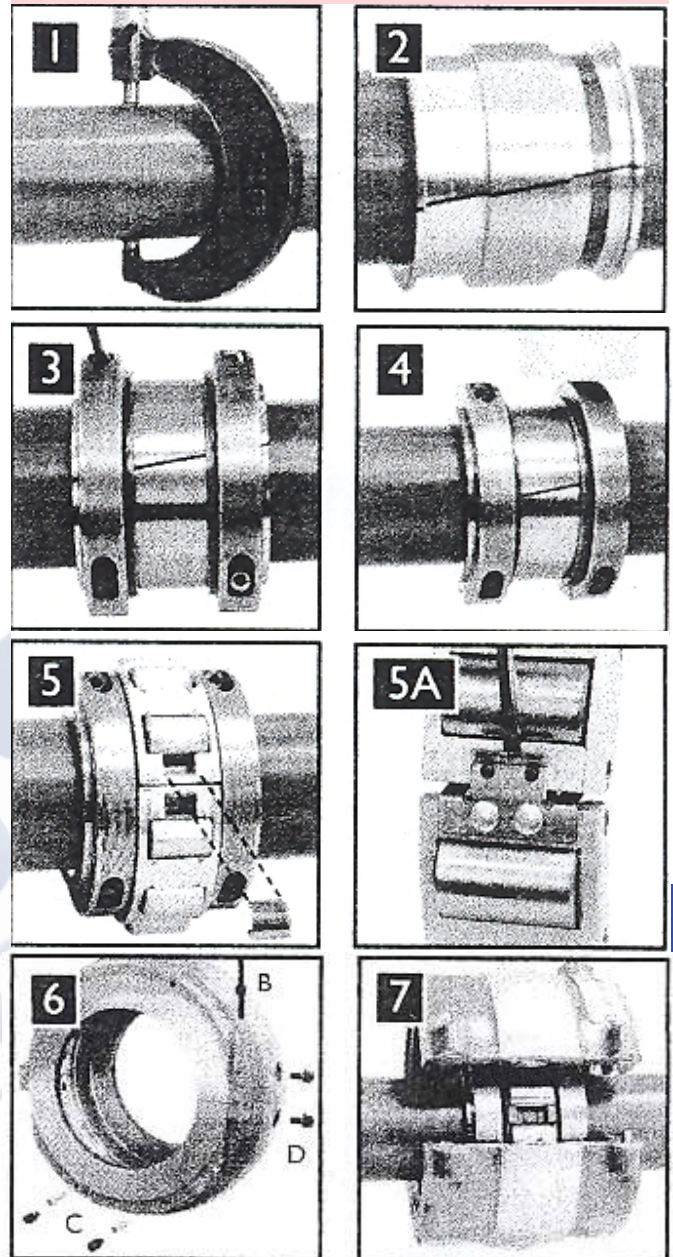
Keep the bearing safe from damage. Lightly oil threads and interfaces, including bores of clamping rings. Complete roller bearings are interchangeable between similar Cooper cartridges, individual parts should not be interchanged.

Cartridges are also interchangeable between standard outer castings except where S1 spherical fit has been specified. Pairing marks must match.

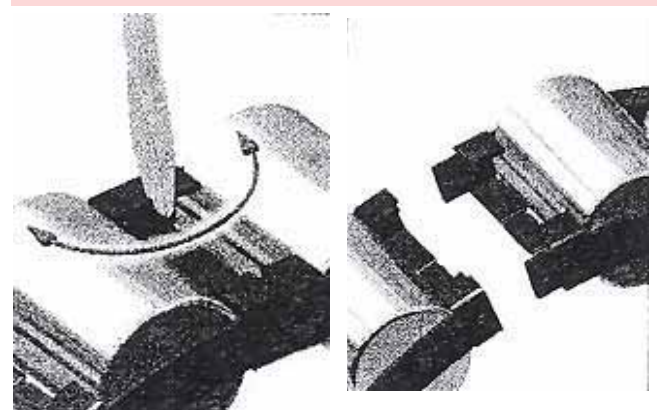
The fixed (GR) bearing has guiding lips on both inner and outer races. In the case of Series 01 and 02 bearings to 300mm and Series 03 to 150mm, rollers are guided by clamping ring faces and the lips of the outer race.

All bearing components (with the exception of pressed steel cages and die cast cages) cartridges and outer castings are marked with matching numbers on each half. Ensure the numbers on each half component are the same and are together when assembled.

## Assembly Procedure



## 01 Series Cages





## Fitting an Outer Race where Radial and or Axial Screws are Used

All lipped outer races must be clamped axially. Side screws 'C' are fitted to all GR cartridges but rods are not required for sizes 100mm - 155mm in Series 01 and 02. Clean the outer race seating in the cartridge to remove preservative and lightly oil. Fit the half outer races - see Stage 6.

### Stage 1

Clean and inspect the shaft diameter. The inner race, before assembly, measures undersize equivalent to the final gap at the joints. When assembled on the shaft, there should be a gap at each inner race joint. **This gap is a feature of the design to ensure that the half races grip the shaft.**

### Stage 2

Lightly oil the shaft with thin machine oil, then remove the excess with a clean wiper. Place the inner race at the correct position on the cleaned shaft. Soft packing on the joint faces, or feeler gauges should be used to ensure the joint gaps are approximately equal. Expansion races normally are set centrally with the roller, but in cases of axial expansion, may be offset within +/-10% of the roller length.

### Stage 3

Fit the clamping rings with joints approximately 90° to the inner race joint. Discolouration on certain clamping rings is associated with localised heat treatment to increase wear resistance. There should be equal gaps at both joints of the clamping rings and races.

Progressively tighten all clamping screws equally using the correct hexagon key and torque wrench (or key and tube extension if the torque wrench is not available).

### Stage 4

Tap down each half of the inner race and clamping rings all round the shaft using a soft faced hammer or, insert a hardwood block between a steel hammer and bearing parts. Re-tighten screws. Repeat until screws are fully tight. Check there is a gap at both joints of the inner race. The total gap varies and is not critical provided the shaft is within the required tolerance. Check that expansion inner races will be central or correctly offset when all parts are finally positioned.

### Stage 5

Coat the roller cage with grease and lightly cover the other parts for protection. Place cage around the inner race and join together as follows:

- 'U' Clips:** Press the 2 jointing clips in place - Diagram 5.
- Spring Plate Joint:** Push the 2 cage halves together until the jointing plates clip over the protruding pins - Diagram 5A (screwdriver not required).
- Pressed Steel Cage:** Ensure the tabs of one end of each cage half can engage into the body of the other cage half. Using even pressure on each side of the joint, push the tabs fully home until the joint locks, repeat with second joint. Check that both sides of the joint are fully home.

### Stage 6

Place the half outer race with the lubrication hole in the top half cartridge and the second half race into the lower half cartridge, ensuring the pairing marks match. Ensure the ends of the outer race project from the cartridge joint face by equal amounts. Where there are axial or radial screws, fit as shown in diagram 6. Just enter radial holding screws 'D' where provided, it is important to fit washers. Fit the side rods and screws 'C' where provided and very lightly tighten. Place together the half cartridges and fully tighten the cartridge joint screws 'B'. Progressively and fully tighten the radial screws 'D' and or side screws 'C'.

In some sizes, two cartridge joint screws must be removed to gain access to the side screws. Inject grease to fill the grease passages.

Remove screws 'B' from cartridge joints, separate cartridge taking care the upper half outer race does not fall out of position where radial screws are not fitted.

### Stage 7

Fit seals into cartridge end bores (or TL seals on the shaft). Felt seals should be soaked in oil before fitting. Coat the inside of the cartridge, cage and rollers and all seals with grease. Place the bottom half of the cartridge on top of the bearing and rotate 180° into the pedestal. End bore seals should be left well lubricated on assembly including the bores of the revolving triple labyrinth seals. Blanking plates should be sealed with grease or compound. Add the correct quantity of the remaining grease to the cartridge. Place the top half of the cartridge on top of the bottom half of the cartridge ensuring the pairing marks appear on the same side. Close cartridge and fully tighten joint screws. Lubricate the spherical seating. Anti-scuffing compounds are advantageous. Pedestal bases must be supported to avoid deflection. To ensure swivel alignment, the shaft should be run for a short period before fully tightening the pedestal cap screws. Where oil lubrication is to be used, the cartridge joint faces and screws should be treated with sealing compound.

- |          |   |
|----------|---|
| <b>C</b> | • The correct shaft size is important.    |
| <b>H</b> | • Fully tighten clamping ring screws      |
| <b>E</b> | • Parts should not be interchanged.       |
| <b>C</b> | • Lubricate before closing the cartridge. |
| <b>K</b> | • Match marks should coincide.            |
| <b>L</b> | • Lubricate swivel seating                |
| <b>I</b> | • Lightly oil threads and interfaces.     |
| <b>S</b> | • Safeguard rolling surfaces for transit. |
| <b>T</b> | • Gap at each inner race joint.           |

### Dynamic, Static, Axial Ratings and Maximum Speeds

01 series						02 series						03 series					
Shaft Size Range		Bearing rating lb/kN			Max rpm	Shaft Size Range		Bearing rating lb/kN			Max rpm	Shaft Size Range		Bearing rating lb/kN			Max rpm
inches	mm	Dyna C <sub>r</sub>	Static C <sub>or</sub>	Axial C <sub>a</sub>		inches	mm	Dynamic C <sub>r</sub>	Static C <sub>or</sub>	Axial C <sub>a</sub>		inches	mm	Dynamic C <sub>r</sub>	Static C <sub>or</sub>	Axial C <sub>a</sub>	
1 3/16	35	14600	15100	720	5400	-	-	-	-	-	-	-	-	-	-	-	-
to 1 1/2	40	65	67	3.2		-	-	-	-	-	-	-	-	-	-	-	-
1 11/16	45	21375	23400	855	4630	1 11/16		26200	27900	1400	4350	-	-	-	-	-	-
to 2	50	95	104	3.8		to 2	50	117	124	6.2		-	-	-	-	-	-
2 3/16	60	30150	35100	1620	3490	2 3/16	60	37100	41900	1980	3680	-	-	-	-	-	-
to 2 1/2	65	134	156	7.2		to 2 1/2	65	165	186	8.8		-	-	-	-	-	-
2 11/16	70	37125	44100	2430	3310	2 11/16	70	49200	59000	2390	3080	-	-	-	-	-	-
to 3	75	165	196	10.8		to 3	75	219	262	10.6		-	-	-	-	-	-
3 3/16	80-85	51300	65025	3060	2790	3 3/16	80-85	62600	77600	4010	2520	-	-	-	-	-	-
to 3 1/2	90	228	289	13.6		to 3 1/2	90	278	345	17.8		-	-	-	-	-	-
3 11/16	100	70875	92700	4410	2340	3 11/16	100	8090	102600	5630	2130	3 3/4	100	139000	153900	7020	1820
to 4	105	315	412	19.6		to 4	105	360	456	25		& 4		618	684	31.2	
4 3/16	110	67000	91600	4190	1970	4 3/16	110	100500	129800	7020	1820	4 7/16	110	140500	157100	8820	1640
to 4 1/2	115	298	407	18.6		to 4 1/2	115	447	577	31.2		& 4 1/2	120	625	698	39.1	
4 15/16	120-125	78200	108900	5000	1740	4 15/16	120-125	123300	160700	8600	1600	4 15/16	130	170500	191700	11030	1500
& 5	130	348	484	25.8		& 5	130	548	714	38.2		& 5		758	852	4.9	
5 3/16	135	86800	122000	5810	1570	5 3/16		137500	182000	10220	1450	5 7/16	140	204600	240500	13230	1340
& 5 1/2	140	386	542	22.2		& 5 1/2	140	612	809	45.4		& 5 1/2		910	1069	58.8	
5 15/16	150	94500	138600	6620	1450	5 15/16		164200	226600	11790	1320	5 15/16	150	230000	272900	15620	1220
& 6	155	420	616	29.4		& 6	150	730	1007	52.4		& 6		1023	1213	69.4	
6 7/16	160	106800	159300	7430	1320	6 7/16	160	172900	232400	13820	1200	6 7/16	160	267900	351900	17820	1110
& 6 1/2		475	708	33		& 6 1/2	170	769	1033	61.4		& 6 1/2	170	1191	1564	79.2	
6 15/16	170	114700	178400	8190	1220	6 15/16		190900	268000	16020	1120	6 15/16	180	288800	383400	20030	1030
& 7	180	510	793	36.4		& 7	180	849	1191	71.2		& 7		1284	1704	89	
7 15/16	190	119900	198700	9230	1070	7 15/16	190	222600	327800	18000	960	7 15/16	190	339200	455000	22410	880
& 8	200	533	883	41		& 8	200	990	1457	80		& 8	200	1508	2022	99.6	
9	220	129800	220500	11030	930	9	220	240000	373700	20210	850	9	220	371900	486700	24620	760
		577	980	49				1067	1661	89.8				1653	2163	109.4	
10	240	144000	263300	13010	820	10	240	272800	395100	22230	750	10	240	414400	574000	29430	700
		640	1170	57.8			260	1213	1756	98.8			260	1842	2551	130.8	
11	260	163000	299900	15030	730	11	280	306800	482600	25610	670	11E	280E	480100	727400	34430	620
	280	725	1333	66.8				1364	2145	113.8				2134	3233	153	
12	300	171400	327600	17600	650	12	300	328800	54200	29030	610	12	300	492700	745200	39240	560
		762	1456	78.2				1462	2409	129				2190	3312	174.4	
13	320	190700	369500	20030	590	13	320	350800	590000	32450	550	13	320	587400	853900	44730	500
		848	1642	89				1560	2622	144.2				2611	3795	198.8	
14	340	195900	400100	22410	540	14	340	388900	661500	35820	500	14E	340E	624800	988200	48060	460
		871	1778	99.6			360	1729	2940	159.2			360E	2777	4392	213.6	
15	360	211000	434000	24840	500	15	380	409900	732200	39240	460	15	380	691400	1080000	56430	420
	380	938	1929	110.4				1822	3254	174.4			400	3073	4800	250.8	
16	400	218100	467100	26010	460	16	400	429200	773600	42390	430	-	-	-	-	-	-
		970	2076	115.6				1908	3438	188.4				-	-	-	-
17	420	223100	500200	27230	430	17	420	452800	833000	45450	400	17E	420E	786100	1351400	62060	360
		992	2223	121				2013	3702	202			440E	3494	6006	275.8	
18	440	231300	533300	28620	410	18	440	480900	912800	48600	380	18	460	834500	1385100	680.4	340
	460	1028	2370	127.2			460	2138	4057	216				3709	6156	302.4	
19	480	238900	547400	29840	380	19	480	506300	994300	51750	360	-	-	-	-	-	-
		1062	2433	132.6				2250	4419	230				-	-	-	-
20	500	247900	583400	31010	360	20	500	527800	1074600	54900	340	20	500	936400	1584200	78080	310
		1102	2593	137.8				2346	4776	244			530	4162	7041	347	
21	530	256200	619900	31640	340	21	530	577100	1155800	58050	330	-	-	-	-	-	-
		1139	2755	140.6				2565	5137	258				-	-	-	-
22	560	264500	656100	32040	330	22	560	601800	1250100	61200	310	22E	560E	1053500	1915000	86090	280
		1176	2916	142.4				2675	5556	272				4682	8511	382.6	
23	-	283800	703800	32400	310	23	-	616500	1315800	64350	300	23E	600E	1096600	2054300	90000	270
		1262	3128	144				2740	5848	286				4874	9130	400	
24	600	292400	745000	33030	300	24	600	622900	1348200	67500	290	-	-	-	-	-	-
		1300	3311	146.8				2769	5992	300				-	-	-	-

Axial rating (C<sub>a</sub>) which applies to GR bearing only will be reduced by 50% unless an EP (Extreme Pressure) grease or oil lubrication is used.  
\*Maximum speed (rpm) shown for grease lubrication. For higher speed applications or oil lubrication please consult BSC.

□ □ □ □ Denotes E Series bearing.



# SPLIT UNITS

