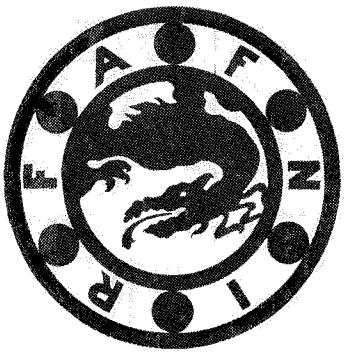
BALL BEARINGS • BALL BEARING POWER TRANSMISSION UNITS

FAFNIR



The dimensions shown in this catalog have been carefully compiled and checked. However, no responsibility for errors can be assumed, and the right to change dimensions without notice is reserved.

Fourth Edition — June, 1954

The Fafnir Bearing Company

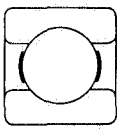
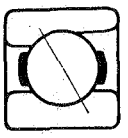
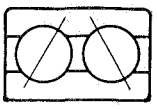
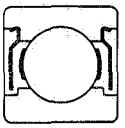
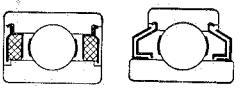
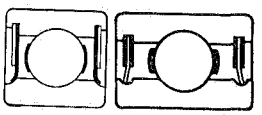
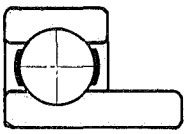
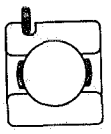
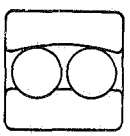
New Britain, Connecticut, U. S. A.

BRANCH OFFICES

Atlanta, Baltimore, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Dallas, Denver, Detroit, Indianapolis, Kansas City, Los Angeles, Memphis, Milwaukee, Minneapolis, Moline, New York, Philadelphia, Pittsburgh, Portland, San Francisco, Seattle

SERVICE CATALOG NO. 19 • ALL STANDARD TYPES AND SIZES

fafnir ball bearings . . .

Extra-Small	**30 S**		For sizes below the Standard Single Row range, the 30 and S Series are available. Made in bore sizes smaller than the 200 Series, these are primarily for small shafts and fairly high speeds.	**4**
Extra-Light	**9100**		A compact, light section bearing manufactured for use on large diameter shafts in applications where the size of housings must be kept to a minimum.	**5**
Single Row Radial	**200 300 400**		The Single Row Radial Ball Bearing is the most widely used of all types and is recommended in the majority of applications. A self-contained bearing, of almost unlimited versatility in its range of loads and speeds, it offers the most efficient mounting. For Extra-Large Single Row Radial Bearings see page 10.	**6, 7**
Angular-Contact	**7200 7300 7400**		This type is designed for combination loads where the thrust component of load is greater than ordinarily permitted in the standard radial type. A Duplex Bearing is actually two Single Row Angular-Contact Bearings supplied and used as a unit.	**12–14**
Double Row	**5200 5300 5400**		The Double Row Ball Bearing is generally used where small diameters are necessary with heavy load capacity. For equal diameters, the Double Row is capable of greater radial loads since it has two rows of balls, and a large thrust capacity in either direction due to the angularity of ball contact.	**15–17**
Grease Shield	**D DD**		To preserve the initial supply of lubricant as long as possible and to exclude dirt and dust, Shielded Type Ball Bearings with integral steel washers are available and designated by the symbol "D" for Single Shield and "DD" for the Double.	**18**
Felt-Seal echani-Seal	**T, TD, TT L, LD, LL**		For efficent protection of bearing and retention of lubricant the Felt-Seal Bearing has been developed. It consists of an assembly of felt rings and steel baffles. Seals, integral with the bearing, form a trap for grease retention while an external rotating slinger excludes dirt in the design of the Mechani-Seal Bearing.	**19**
Plya-Seal	**P PP W-PP**		The Plya-Seal is a diaphragm type, contact seal composed of two members, a flat, flexible sealing washer of synthetic rubber impregnated fabric, and a split retaining ring of thin spring steel. The two members of the seal can be readily removed for inspection. Single seal (P), double seal (PP). Also available in double row widths (W-PP Type). Extra width affords large area for housing contact and extra space for factory-packed grease supply.	**20**
Extended Inner Ring	**WIR200 WIR300**		The bearing designated by the letters WIR is a standard Single Row Radial Type except that the inner ring is extended on one side to the conventional double row width.	**21**
Wireloc	**G, DG**		The Snap Ring furnished with these standard series bearings provides a shoulder on the outer ring eliminating the need for a housing shoulder. Also furnished with grease shields and designated as series DG.	**21**
elf-Aligning "L" Type (Internal) "S" Type (External)	**L200 L300 L6000 200S 300S**		In the "L" Type the self-aligning feature is secured by an internal self-aligning design where a double row of balls operates on a spherical surface in the outer ring. "S" Type self-alignment is provided by a separate outer ring, having a spherical internal surface which matches a like spherical surface on the O. D. of the bearing.	**22–24**

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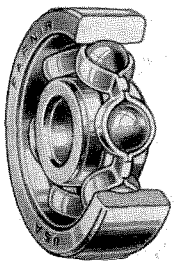
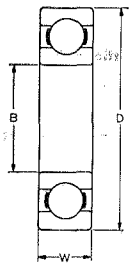
fafnir ball bearings . . .

BEARING DIMENSIONS

EXTRA-SMALL 30 Series Metric Type

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
34K	4	.1575	16	.6299	5	.1969
35K	5	.1969	19	.7480	6	.2362
36K	6	.2362	19	.7480	6	.2362
37K	7	.2756	22	.8661	7	.2756
38K	8	.3150	22	.8661	7	.2756
38KV	8	.3150	24	.9449	7	.2756
39K	9	.3543	26	1.0236	8	.3150





S Series Inch Type

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	Fraction	Decimal	Fraction	Decimal	Fraction	Decimal
33K3	1/8"	.1250	3/8"	.3750	5/32"	.1562
33K4	1/8"	.1250	1/2"	.5000	11/64"	.1719
33K5	3/16"	.1875	1/2"	.5000	5/32"	.1562
S1K7	1/4"	.2500	5/8"	.6250		.1960
S1K	1/4"	.2500	3/4"	.7500	7/32"	.2188
S3K	3/8"	.3750	7/8"	.8750	7/32"	.2188
S5K	1/2"	.5000	1 1/8"	1.1250	1/4"	.2500
S7K	5/8"	.6250	1 3/8"	1.3750	9/32"	.2812
S8K	3/4"	.7500	1 5/8"	1.6250	5/16"	.3125
S10K	1"	1.0000	2"	2.0000	3/8"	.3750
S11K	1 1/8"	1.1250	2 1/8"	2.1250	3/8"	.3750
S12K	1 1/4"	1.2500	2 1/4"	2.2500	3/8"	.3750

LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
Metric Type												
34K	280	222	130	113	107	97	90	85	80	77	67	60
34KD (DD)*	224	178	104	91	86	78	72	68	65	62	54	48
35K	339	269	157	137	129	117	109	103	98	93	81	73
36K	339	269	157	137	129	117	109	103	98	93	81	73
37K	501	398	233	203	191	174	161	152	144	138	121	108
38K	501	398	233	203	191	174	161	152	144	138	121	108
38KV	506	402	235	205	193	176	163	153	146	139	122	109
39K	688	546	319	279	263	238	221	208	198	189	165	148
Inch Type												
33K3	97	77	45	39	37	34	31	29	28	27	23	21
33K4	223	177	104	90	85	77	72	68	64	61	54	48
33K5	198	157	92	80	75	69	64	60	57	54	48	43
S1K	398	316	185	161	152	138	128	121	115	110	96	86
S1K7	224	178	104	91	86	78	72	68	65	62	54	48
S1KD (DD)*	425	337	197	172	162	147	137	129	122	117	102	92
S3K	506	402	235	205	193	176	163	153	146	139	122	109
S5K	709	563	329	288	271	246	228	215	204	195	171	153
S7K	1035	820	480	419	394	358	333	313	297	284	248	223
S8K	1315	1045	610	533	501	456	423	398	378	362	316	283
S10K	1525	1210	708	618	582	529	491	462	439	420	367	328
S11K	1620	1285	751	656	617	561	521	490	465	445	389	348
S12K	1695	1345	788	688	648	588	546	514	488	467	408	366

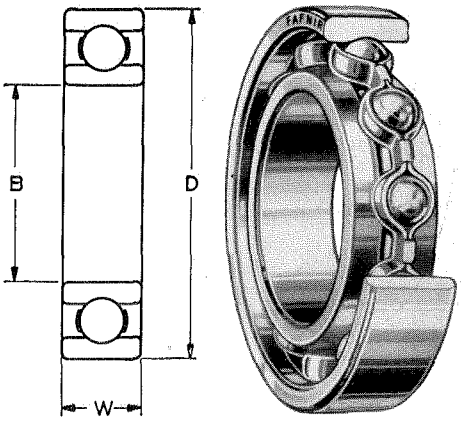
* These are the only variations of the basic bearings in this size the load ratings of which vary from that of the basic size. Variations of all the others have the load ratings of the basic bearing.

SINGLE ROW RADIAL TYPE

BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
9100K	10	.3937	26	1.0236	8	.3150
9101K	12	.4724	28	1.1024	8	.3150
9102K	15	.5906	32	1.2598	9	.3543
9103K	17	.6693	35	1.3780	10	.3937
9104K	20	.7874	42	1.6535	12	.4724
9105K	25	.9843	47	1.8504	12	.4724
9106K	30	1.1811	55	2.1654	13	.5118
9107K	35	1.3780	62	2.4409	14	.5512
9108K	40	1.5748	68	2.6772	15	.5906
9109K	45	1.7717	75	2.9528	16	.6299
9110K	50	1.9685	80	3.1496	16	.6299
9111K	55	2.1654	90	3.5433	18	.7087
9112K	60	2.3622	95	3.7402	18	.7087
9113K	65	2.5591	100	3.9370	18	.7087
9114K	70	2.7559	110	4.3307	20	.7874
9117K	85	3.3465	130	5.1181	22	.8661
9118K	90	3.5433	140	5.5118	24	.9449
9120K	100	3.9370	150	5.9055	24	.9449
9121K	105	4.1339	160	6.2992	26	1.0236
9126K	130	5.1181	200	7.8740	33	1.2992
9134K	170	6.6929	260	10.2362	42	1.6535
9506K	30	1.1811	52	2.0472	13	.5118

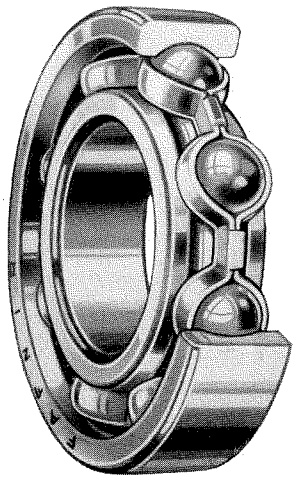
EXTRA-LIGHT 9100K Series

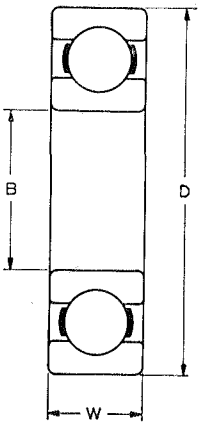


LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
9100K	697	553	323	283	266	242	224	211	200	192	168	150
9101K	709	563	329	288	271	246	228	215	204	195	171	153
9102K	850	675	395	345	325	295	274	258	245	234	204	183
9103K	912	724	423	370	348	316	294	276	262	251	219	196
9104K	1320	1050	613	535	504	458	425	400	380	363	317	284
9105K	1530	1215	711	621	584	531	493	464	440	421	368	330
9106K	2010	1595	933	815	767	697	647	609	578	553	483	433
9107K	2425	1925	1125	984	926	841	781	735	698	668	583	523
9108K	2685	2135	1245	1090	1025	932	865	814	773	740	646	579
9109K	3190	2530	1480	1295	1215	1105	1025	965	917	877	766	687
9110K	3315	2630	1540	1345	1265	1150	1065	1005	954	912	797	714
9111K	4295	3410	1995	1740	1640	1490	1385	1300	1235	1180	1035	925
9112K	4475	3550	2075	1815	1710	1550	1440	1355	1290	1230	1075	964
9113K	4645	3690	2155	1885	1775	1610	1495	1405	1335	1280	1115	1000
9114K	5790	4595	2685	2345	2210	2005	1865	1755	1665	1595	1390	1245
9117K	7530	5980	3495	3055	2875	2610	2425	2280	2165	2070	1810	1620
9118K	8850	7020	4105	3590	3375	3065	2845	2680	2545	2435	2125	
9120K	9150	7260	4245	3710	3490	3170	2945	2770	2630	2515	2200	
9121K	10525	8360	4885	4270	4015	3650	3390	3190	3030	2895	2530	
9126K	15450	12250	7170	6260	5900	5360	4970	4680	4445	4250		
9134K	24450	19400	11350	9920	9330	8480	7870	7410				
9506K	1620	1285	751	656	617	561	521	490	465	445	389	348

LIGHT 200 Series
K and W Types





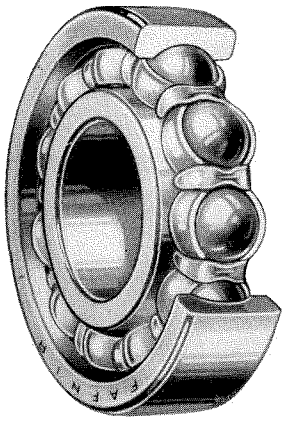
K Type

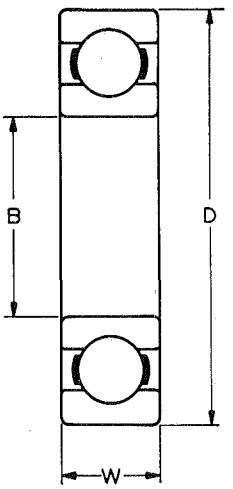
BEARING DIMENSIONS

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
		MM	Inches	MM	Inches	MM	Inches
200K		10	.3937	30	1.1811	9	.3543
201K		12	.4724	32	1.2598	10	.3937
202K	**202W**	15	.5906	35	1.3780	11	.4331
203K		17	.6693	40	1.5748	12	.4724
204K	**204W**	20	.7874	47	1.8504	14	.5512
205K	**205W**	25	.9843	52	2.0472	15	.5906
206K	**206W**	30	1.1811	62	2.4409	16	.6299
207K	**207W**	35	1.3780	72	2.8346	17	.6693
208K	**208W**	40	1.5748	80	3.1496	18	.7087
209K	**209W**	45	1.7717	85	3.3465	19	.7480
210K	**210W**	50	1.9685	90	3.5433	20	.7874
211K	**211W**	55	2.1654	100	3.9370	21	.8268
212K	**212W**	60	2.3622	110	4.3307	22	.8661
	213W	65	2.5591	120	4.7244	23	.9055
214K	**214W**	70	2.7559	125	4.9213	24	.9449
215H	**215W**	75	2.9528	130	5.1181	25	.9843
	216W	80	3.1496	140	5.5118	26	1.0236
	217W	85	3.3465	150	5.9055	28	1.1024
218K	**218W**	90	3.5433	160	6.2992	30	1.1811
	219W	95	3.7402	170	6.6929	32	1.2598
	220W	100	3.9370	180	7.0866	34	1.3386
	221A	105	4.1339	190	7.4803	36	1.4173
	222W	110	4.3307	200	7.8740	38	1.4961
	224W3*	120	4.7244	215	8.4646	40	1.5748
	226W3	130	5.1181	230	9.0551	40	1.5748
	230W*	150	5.9055	270	10.6299	45	1.7717

* Also available in counterbore (WI) type.

MEDIUM 300 Series
K and W Types





W Type

BEARING DIMENSIONS

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
		MM	Inches	MM	Inches	MM	Inches
300K		10	.3937	35	1.3780	11	.4331
301H		12	.4724	37	1.4567	12	.4724
302K		15	.5906	42	1.6535	13	.5118
303K	**303W**	17	.6693	47	1.8504	14	.5512
304K	**304W**	20	.7874	52	2.0472	15	.5906
305K	**305W**	25	.9843	62	2.4409	17	.6693
306K	**306W**	30	1.1811	72	2.8346	19	.7480
307K	**307W**	35	1.3780	80	3.1496	21	.8268
308K	**308W**	40	1.5748	90	3.5433	23	.9055
309K	**309W**	45	1.7717	100	3.9370	25	.9843
310K	**310W**	50	1.9685	110	4.3307	27	1.0630
311K	**311W**	55	2.1654	120	4.7244	29	1.1417
312K	**312W**	60	2.3622	130	5.1181	31	1.2205
313K	**313W**	65	2.5591	140	5.5118	33	1.2992
314K	**314W**	70	2.7559	150	5.9055	35	1.3780
315K	**315W**	75	2.9528	160	6.2992	37	1.4567
316K	**316W**	80	3.1496	170	6.6929	39	1.5354
317K	**317W**	85	3.3465	180	7.0866	41	1.6142
318K	**318W**	90	3.5433	190	7.4803	43	1.6929
	319W	95	3.7402	200	7.8740	45	1.7717
	320W	100	3.9370	215	8.4646	47	1.8504
	321W	105	4.1339	225	8.8583	49	1.9291
	322W	110	4.3307	240	9.4488	50	1.9685
	324W	120	4.7244	260	10.2362	55	2.1654
	330W	150	5.9055	320	12.5984	65	2.5591

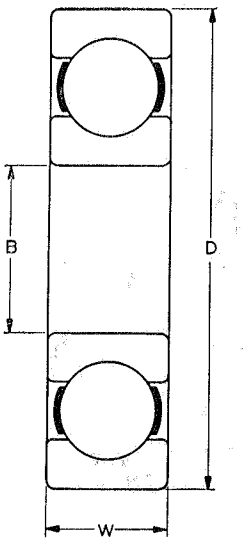
SINGLE ROW RADIAL TYPE

BEARING DIMENSIONS

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
		MM	Inches	MM	Inches	MM	Inches
	403A	17	.6693	62	2.4409	17	.6693
	404A	20	.7874	72	2.8346	19	.7480
405H	**405W**	25	.9843	80	3.1496	21	.8268
406H	**406W**	30	1.1811	90	3.5433	23	.9055
407K	**407W**	35	1.3780	100	3.9370	25	.9843
408H	**408W**	40	1.5748	110	4.3307	27	1.0630
409K	**409W**	45	1.7717	120	4.7244	29	1.1417
410H	**410W**	50	1.9685	130	5.1181	31	1.2205
411K	**411W**	55	2.1654	140	5.5118	33	1.2992
412H	**412W**	60	2.3622	150	5.9055	35	1.3780
413K	**413W**	65	2.5591	160	6.2992	37	1.4567
	414W	70	2.7559	180	7.0866	42	1.6535
	415A	75	2.9528	190	7.4803	45	1.7717
	416W	80	3.1496	200	7.8740	48	1.8898
	417W	85	3.3465	210	8.2677	52	2.0472
	418W	90	3.5433	225	8.8583	54	2.1260
	§419W	95	3.7402	250	9.8425	55	2.1654

§ 419—S.A.E. Std. O.D. is 240 mm.

HEAVY 400 Series
K and W Types



200K · 200P (PP) Series

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
200K	910	722	422	369	347	315	293	275	262	250	219	196
201K	1020	811	474	414	390	354	329	309	294	281	246	220
202K	1180	936	547	478	450	409	380	357	339	325	283	254
203K	1605	1270	744	650	612	556	516	485	461	441	385	345
204K	1950	1550	905	791	744	676	628	591	561	537	469	420
205K	2140	1695	992	867	816	741	688	648	615	588	514	461
206K	3150	2500	1460	1275	1200	1090	1015	954	906	867	757	678
207K	4080	3235	1895	1655	1555	1415	1315	1235	1175	1120	980	879
208K	4980	3955	2310	2020	1900	1730	1605	1510	1435	1370	1200	1075
209K	4980	3955	2310	2020	1900	1730	1605	1510	1435	1370	1200	1075
210K	5340	4235	2480	2165	2035	1850	1720	1615	1535	1470	1285	1150
211K	6600	5240	3065	2675	2520	2290	2125	2000	1900	1815	1585	1420
212K	7980	6330	3700	3235	3045	2765	2565	2415	2295	2195	1920	
214K	9460	7510	4390	3835	3610	3280	3045	2865	2720	2605	2275	
215H	9430	7490	4380	3825	3600	3270	3035	2855	2715	2595	2265	
218K	14600	11575	6770	5920	5565	5055	4695	4420	4195	4015	3505	
200P (PP)	709	563	329	288	271	246	228	215	204	195	171	153
201P (PP)	927	736	430	376	354	321	298	281	267	255	223	200
202P (PP)	1035	820	480	419	394	358	333	313	297	284	248	223
203P (PP)	1125	892	522	456	429	390	362	340	323	309	270	242
206P (PP)	2960	2350	1375	1200	1130	1025	953	897	852	815	712	638

LOAD RATINGS

(Continued on pages 8 and 9)

Load Ratings which Vary from Those of the Basic Size

LOAD RATINGS

200W SERIES

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
202W	1055	919	665	607	572	519	482	454	431	412	360	323
204W	1915	1670	1210	1075	1010	917	852	801	761	728	636	570
205W	2245	1955	1420	1240	1165	1060	983	925	879	840	734	658
206W	3080	2680	1915	1675	1575	1430	1330	1250	1190	1135	993	890
207W	4030	3510	2480	2165	2040	1855	1720	1620	1540	1470	1285	1150
208W	4870	4240	2955	2580	2430	2205	2050	1930	1830	1750	1530	1370
209W	5160	4495	3105	2710	2555	2320	2155	2025	1925	1840	1610	1440
210W	5450	4750	3245	2835	2670	2425	2250	2120	2015	1925	1680	1505
211W	6440	5600	3835	3350	3150	2865	2660	2500	2375	2275	1985	1780
212W	8300	7230	4855	4245	3995	3628	3370	3170	3010	2880	2515	
213W	9930	8650	5770	5040	4740	4305	4000	3760	3575	3420	2985	
214W	10450	9090	6010	5250	4940	4485	4165	3920	3725	3560	3110	
215W	10950	9540	6240	5450	5130	4660	4325	4070	3870	3700	3230	
216W	12900	11250	7310	6380	6010	5460	5070	4770	4530	4330	3785	
217W	14300	12450	8100	7080	6660	6050	5620	5290	5020	4805	4200	
218W	16400	14275	9270	8100	7620	6920	6430	6050	5750	5500	4800	
219W	18725	16300	10500	9170	8630	7840	7280	6850	6510	6220		
220W	21125	18400	11800	10300	9700	8820	8180	7700	7320	7000		
221A	17900	15575	9900	8650	8140	7390	6860	6460	6140	5870		
222W	25600	22300	13925	12150	11450	10400	9650	9080	8630			
224W3	25125	21875	13725	11975	11275	10250	9510	8950				
226W3	30400	26475	16100	14050	13225	12025	11150					
230W	36900	32125	19025	16625	15650	14225						

300K SERIES

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
300K	1230	978	572	500	470	427	397	373	355	339	296	265
301H	1270	1005	589	514	484	440	408	384	365	349	305	273
302K	1790	1420	830	725	683	620	576	542	515	492	430	385
303K	2055	1630	954	833	784	712	661	622	591	565	494	443
304K	2420	1920	1125	982	924	840	779	733	697	666	582	522
305K	3590	2850	1665	1455	1370	1245	1155	1090	1035	988	864	774
306K	4535	3600	2105	1840	1730	1570	1460	1375	1305	1245	1090	976
307K	3080	4035	2360	2060	1940	1765	1635	1540	1465	1400	1225	1095
308K	6740	5350	3130	2735	2570	2335	2170	2040	1940	1855	1620	1450
309K	8030	6370	3725	3255	3065	2780	2585	2430	2310	2210	1930	1730
310K	9400	7460	4365	3810	3585	3260	3025	2845	2705	2585	2260	2025
311K	10850	8620	5040	4400	4145	3765	3495	3290	3125	2985	2610	
312K	12425	9850	5760	5030	4735	4305	3995	3760	3570	3415	2985	
313K	14100	11175	6540	5710	5380	4885	4535	4270	4055	3880	3390	
314K	15850	12575	7350	6420	6050	5490	5100	4800	4560	4360	3810	
315K	17250	13700	8010	7000	6590	5980	5560	5230	4965	4750	4150	
316K	20050	15900	9300	8130	7650	6950	6450	6070	5770	5520	4820	
317K	21550	17100	10000	8740	8230	7470	6940	6530	6200	5930		
318K	23100	18325	10725	9370	8820	8010	7430	7000	6650	6360		

SINGLE ROW RADIAL TYPE

LOAD RATINGS

300W SERIES

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
303W	1650	1440	1040	961	927	875	837	807	782	762	667	597
304W	1935	1685	1220	1125	1085	1025	980	945	916	891	779	698
305W	2775	2415	1750	1615	1555	1470	1405	1355	1310	1255	1095	981
306W	3525	3070	2225	2050	1980	1865	1785	1720	1655	1580	1380	1240
307W	4275	3720	2695	2485	2400	2265	2165	2080	1980	1890	1655	1480
308W	5580	4865	3525	3250	3135	2955	2830	2675	2540	2430	2125	1905
309W	6700	5830	4225	3895	3760	3545	3385	3185	3025	2895	2530	2265
310W	7890	6870	4980	4590	4430	4180	3965	3730	3545	3390	2960	2655
311W	9170	7990	5790	5340	5150	4855	4580	4310	4095	3915	3420	
312W	10550	9190	6660	6140	5920	5590	5240	4925	4680	4475	3910	
313W	12825	11150	8090	7460	7190	6750	6270	5900	5600	5360	4685	
314W	13600	11825	8575	7910	7620	7200	6680	6290	5970	5710	4990	
315W	16425	14300	10350	9550	9220	8420	7820	7360	6990	6690	5840	
316W	17950	15625	11325	10450	10025	9110	8450	7960	7560	7230	6320	
317W	19525	17000	12325	11375	10775	9790	9090	8560	8130	7770		
318W	21200	18475	13375	12275	11550	10500	9740	9170	8710	8330		
319W	22875	19925	14425	13100	12325	11200	10400	9790	9300	8890		
320W	26325	22925	16600	14750	13875	12625	11700	11025	10475	10000		
321W	28200	24550	17775	15650	14725	13375	12425	11675	11100			
322W	30100	26200	18975	16575	15600	14175	13150	12375				
324W	31675	27575	19825	17325	16300	14825	13750					
330W	43625	37975	26150	22850	21500	19525						

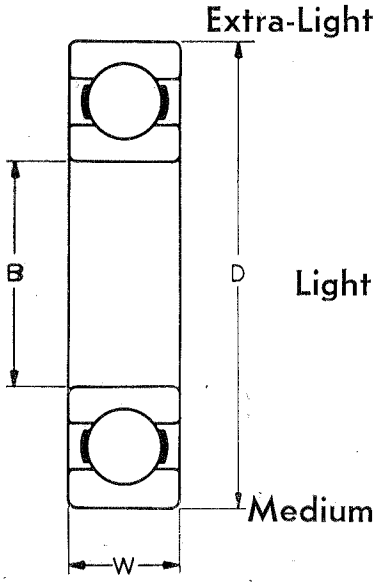
400K SERIES

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
405H	5270	4185	2450	2140	2010	1830	1695	1595	1515	1450	1270	1135
406H	6270	4980	2910	2545	2395	2175	2020	1900	1805	1725	1510	1350
407K	8430	6690	3900	3415	3215	2920	2710	2550	2425	2320	2025	1815
408H	9600	7620	4455	3815	3665	3330	3090	2910	2765	2640	2310	2070
409K	11600	9210	5390	4710	4430	4020	3740	3520	3340	3190	2790	2500
410H	14000	11100	6500	5680	5340	4850	4505	4240	4025	3850	3365	
411K	15250	12100	7070	6180	5820	5280	4905	4615	4385	4195	3665	
412H	17700	14050	8220	7180	6760	6140	5700	5360	5100	4875	4260	
413K	19025	15100	8840	7720	7260	6600	6130	5770	5480	5240	4575	

400W SERIES

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
403A	2265	1975	1430	1320	1270	1200	1150	1105	1075	1046	963	902
404A	2865	2495	1805	1665	1605	1515	1450	1400	1355	1320	1215	1140
405W	4085	3555	2575	2375	2290	2160	2070	1995	1935	1885	1735	1575
406W	5350	4660	3375	3115	3000	2835	2710	2615	2535	2470	2275	2035
407W	6260	5450	3950	3645	3515	3315	3175	3060	2965	2890	2655	2380
408W	7900	6880	4985	4595	4430	4180	4000	3855	3740	3645	3290	2945
409W	8500	7400	5360	4945	4770	4500	4305	4150	4025	3920	3570	3195
410W	10225	8900	6450	5950	5740	5410	5180	4990	4840	4720	4250	
411W	11350	9870	7150	6600	6360	6000	5740	5540	5370	5230	4645	
412W	13525	11775	8530	7860	7580	7160	6850	6600	6400	6160	5380	
413W	14750	12850	9300	8580	8270	7800	7470	7200	6950	6640	5810	
414W	17250	15025	10875	10050	9680	9140	8740	8380	7960	7620	6650	
415A	16225	14125	10225	9440	9100	8590	8220	7920	7640	7310		
416W	19525	17000	12325	11350	10950	10350	9880	9300	8840	8450		
417W	20875	18200	13175	12150	11725	11050	10500	9870	9380	8970		
418W	25575	22275	16150	14875	14350	13400	12450	11725	11125	10650		
419W	27350	23825	17250	15925	15350	14275	13250	12475	11850			

EXTRA-LARGE Series

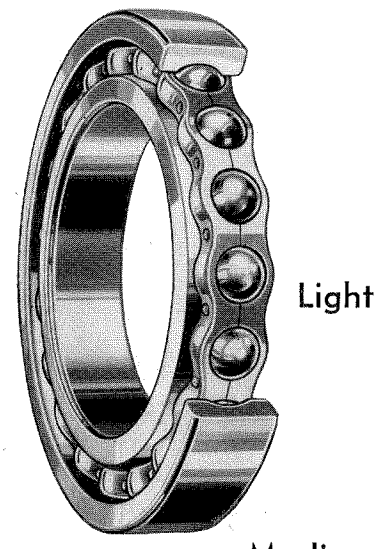


BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)		COUNTERBORE TYPE
	MM	Inches	MM	Inches	MM	Inches	
120W2	100	3.9370	160	6.2992	28	1.1024	
122W	110	4.3307	175	6.8898	30	1.1811	**122WI**
124W	120	4.7244	190	7.4803	32	1.2598	**124WI**
126W	130	5.1181	205	8.0709	34	1.3386	**126WI**
128W	140	5.5118	220	8.6614	36	1.4173	**128WI**
130W	150	5.9055	235	9.2520	38	1.4961	
132W	160	6.2992	250	9.8425	40	1.5748	
134W	170	6.6929	265	10.4331	42	1.6535	
136W	180	7.0866	280	11.0236	44	1.7323	
138W	190	7.4803	300	11.8110	46	1.8110	
224K							
224W	120	4.7244	215	8.4646	42	1.6535	**224WI**
226W	130	5.1181	230	9.0551	46	1.8110	
228K							
228W	140	5.5118	250	9.8425	50	1.9685	**228WI**
236W2	180	7.0866	290	11.4173	54	2.1260	
		8.0000		13.0000		2.5000	**240WI-2**
	215	8.4646	325	12.7953	52	2.0472	**244WI-2**
326W	130	5.1181	280	11.0236	59	2.3228	
328W	140	5.5118	300	11.8110	63	2.4803	

Note: Since these are not made to AFBMA standard dimensions, they are not preferred for new designs. Available for replacement only.

LOAD RATINGS



BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.								
	50	100	500	750	900	1200	1500	1800	2100
120W2	12300	10700	6800	5940	5590	5080	4715	4435	4215
122W	13275	11550	7410	6470	6090	5540	5140	4835	4595
122WI	17125	13600	7950	6940	6540	5940	5510	5190	4925
124W	16125	14050	8870	7750	7290	6620	6150	5790	5500
124WI	20425	16200	9480	8280	7790	7080	6570	6190	
126W	17375	15125	9380	8190	7710	7000	6500	6120	
126WI	20850	16550	9670	8450	7950	7230	6710	6310	
128W	19475	16950	10375	9060	8530	7750	7190	6770	
128WI	23825	18900	11050	9660	9090	8260	7660	7210	
130W	21900	19075	11750	10275	9660	8780	8150		
132W	24700	21525	13200	11525	10850	9860	9160		
134W	27325	23800	14375	12550	11825	10725	9970		
136W	29975	26100	15575	13600	12800	11625	10800		
138W	35825	31050	18150	15875	14925	13575			
224K	23600	18750	10950	9570	9010	8180	7600	7150	
224W	25125	21875	13725	11975	11275	10250	9510	8950	
224WI	29550	23450	13725	11975	11275	10250	9510	8950	
226W	30400	26475	16100	14050	13225	12025	11150		
228K	28975	23000	13450	11750	11050	10050			
228W	33775	29425	17625	15400	14500	13175			
228WI	37975	30125	17625	15400	14500	13175			
236W2	35275	30725	18175	15875	14950				
240WI-2	47675	37825	22125	19325	18200				
244WI-2	43575	34575	20225	17675					
326W	38100	33175	23200	20275	19075	17325	16100		
328W	39500	34400	24000	20975	19725	17925			

ANGULAR-CONTACT TYPE

7000 Series

This series is designed for combined loading with high thrust capacity in one direction, and recommended for applications where the magnitude of the thrust component is high and precludes the use of a single row radial type.

The external dimensions of the Light (7200), Medium (7300), and Heavy (7400) Series Angular-Contact bearings interchange with the corresponding Single Row Radial Bearings. See pages 12–14 for listings of available sizes and the corresponding load ratings.

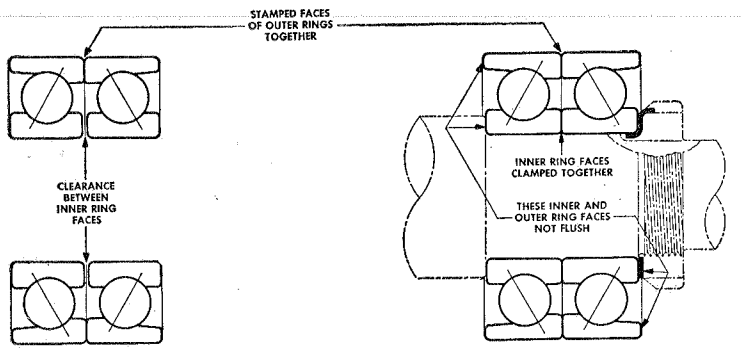
For some types of service these bearings are advantageously used for meeting the demands of Duplex Mountings.

DUPLEX MOUNTINGS

A Duplex Mounting consists of two flush-ground single row bearings used as a unit. In effect, it is the same as a double row bearing having the same bore and outside diameter, but with twice the single row bearing width.

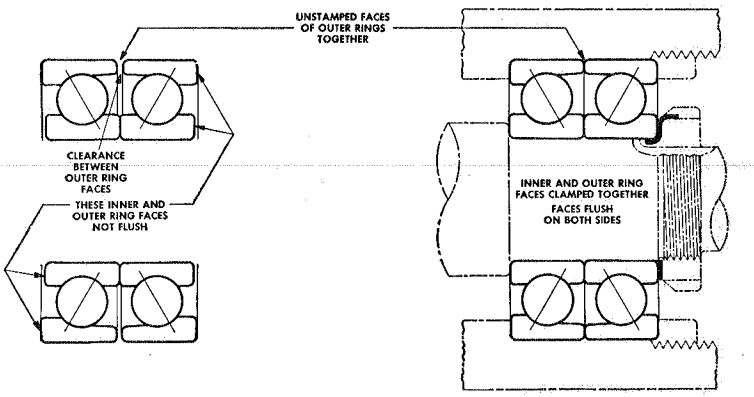
There are three basic arrangements for Duplex Mountings: Back-to-Back (DB), Face-to-Face (DF), and Tandem (DT). These are illustrated below.

BACK-TO-BACK (DB)



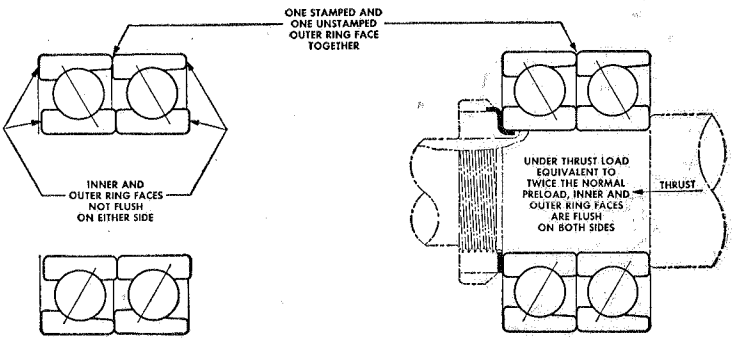
BEFORE MOUNTING — MOUNTED

FACE-TO-FACE (DF)



BEFORE MOUNTING — MOUNTED

TANDEM (DT)

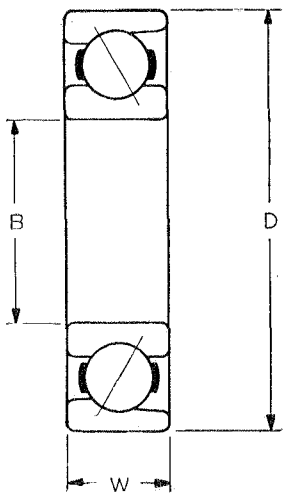


BEFORE MOUNTING — MOUNTED

Note: * When ordering bearings for Duplex Mounting, specify two (bearing number) followed by suffix FS120. Example: Two 7216PW FS120.

* Does not apply to Special or Super-Precision Bearings listed on pages 26–29.

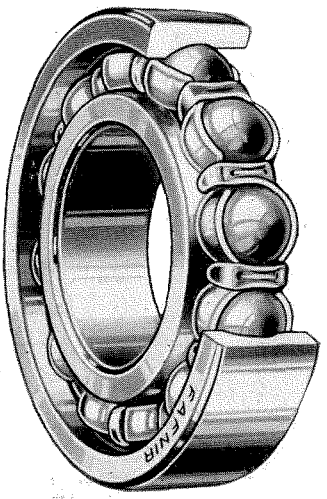
LIGHT
7200 Series



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
7201K	12	.4724	32	1.2598	10	.3937
7202W	15	.5906	35	1.3780	11	.4331
7203W	17	.6693	40	1.5748	12	.4724
7204W	20	.7874	47	1.8504	14	.5512
7205W	25	.9843	52	2.0472	15	.5906
7206W	30	1.1811	62	2.4409	16	.6299
7207W	35	1.3780	72	2.8346	17	.6693
7208W	40	1.5748	80	3.1496	18	.7087
7209W	45	1.7717	85	3.3465	19	.7480
7210W	50	1.9685	90	3.5433	20	.7874
7211W	55	2.1654	100	3.9370	21	.8268
7212W	60	2.3622	110	4.3307	22	.8661
7213W	65	2.5591	120	4.7244	23	.9055
7214W	70	2.7559	125	4.9213	24	.9449
7215W	75	2.9528	130	5.1181	25	.9843
7216PW	80	3.1496	140	5.5118	26	1.0236
7217PW	85	3.3465	150	5.9055	28	1.1024
7218PW	90	3.5433	160	6.2992	30	1.1811
7219PW	95	3.7402	170	6.6929	32	1.2598
7220PW	100	3.9370	180	7.0866	34	1.3386
7222PW	110	4.3307	200	7.8740	38	1.4961

LOAD RATINGS



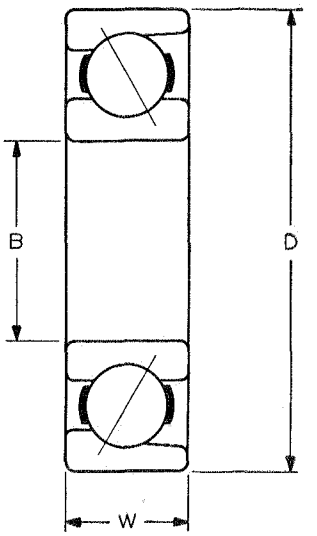
BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
7201K	990	786	460	402	378	343	319	300	285	273	238	213
7202W	1445	1145	671	586	551	501	465	438	416	398	347	311
7203W	1905	1515	885	773	727	661	614	577	548	525	458	411
7204W	2555	2025	1185	1035	975	885	822	774	735	703	614	550
7205W	2930	2325	1360	1190	1120	1015	943	888	843	806	705	631
7206W	3975	3155	1845	1610	1515	1380	1280	1205	1145	1095	956	857
7207W	5140	4085	2390	2085	1965	1785	1655	1560	1480	1415	1235	1110
7208W	6090	4835	2830	2470	2325	2115	1960	1845	1755	1675	1465	1315
7209W	6400	5080	2970	2595	2440	2220	2060	1935	1840	1760	1540	1380
7210W	6680	5300	3100	2705	2545	2315	2150	2020	1920	1835	1605	1440
7211W	7890	6260	3660	3200	3010	2735	2540	2390	2270	2170	1895	1700
7212W	10000	7940	4640	4055	3815	3465	3220	3030	2875	2750	2405	2155
7213W	11875	9420	5510	4815	4530	4115	3820	3595	3415	3265	2855	
7214W	12350	9800	5730	5010	4715	4280	3975	3740	3555	3400	2970	
7215W	12825	10175	5950	5200	4890	4445	4125	3880	3685	3525	3080	
7216PW	12350	9810	5740	5010	4715	4285	3980	3745	3555	3400	2970	
7217PW	14300	11350	6630	5800	5450	4955	4600	4330	4110	3930	3435	
7218PW	15650	12425	7270	6355	5980	5430	5040	4745	4510	4310	3765	
7219PW	17725	14050	8220	7180	6760	6140	5700	5370	5100	4875		
7220PW	19900	15800	9240	8070	7600	6900	6410	6030	5730	5480		
7222PW	22400	17800	10400	9090	8550	7770	7210	6790	6450			

ANGULAR—CONTACT TYPE

BEARING DIMENSIONS

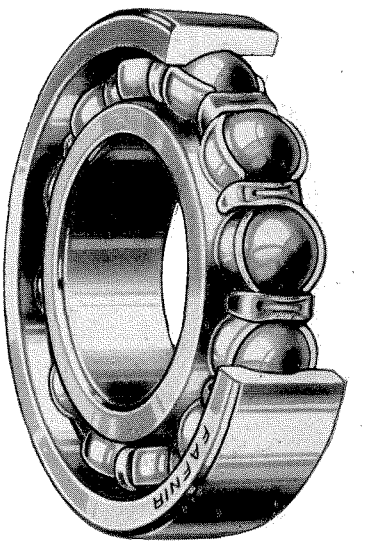
BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
7303W	17	.6693	47	1.8504	14	.5512
7304W	20	.7874	52	2.0472	15	.5906
7305W	25	.9843	62	2.4409	17	.6693
7306W	30	1.1811	72	2.8346	19	.7480
7307W	35	1.3780	80	3.1496	21	.8268
7308W	40	1.5748	90	3.5433	23	.9055
7309W	45	1.7717	100	3.9370	25	.9843
7310W	50	1.9685	110	4.3307	27	1.0630
7311PW	55	2.1654	120	4.7244	29	1.1417
7312PW	60	2.3622	130	5.1181	31	1.2205
7313PW	65	2.5591	140	5.5118	33	1.2992
7314PW	70	2.7559	150	5.9055	35	1.3780
7315PW	75	2.9528	160	6.2992	37	1.4567
7316PW	80	3.1496	170	6.6929	39	1.5354
7317PW	85	3.3465	180	7.0866	41	1.6142
7318PW	90	3.5433	190	7.4803	43	1.6929
7319PW	95	3.7402	200	7.8740	45	1.7717
7320PW	100	3.9370	215	8.4646	47	1.8504
7321PW	105	4.1339	225	8.8583	49	1.9291
7322PW	110	4.3307	240	9.4488	50	1.9685

MEDIUM
7300 Series

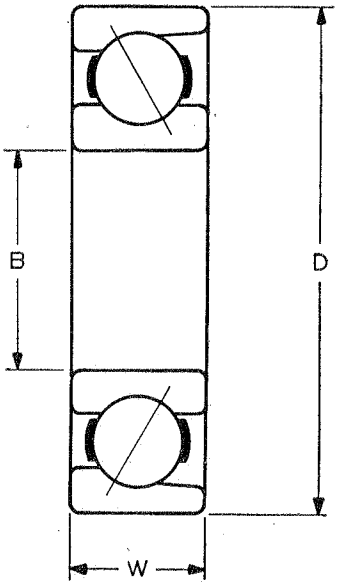


LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
7303W	2690	2135	1250	1090	1025	933	867	815	775	741	647	580
7304W	3155	2505	1465	1280	1205	1095	1015	955	907	868	758	679
7305W	4425	3510	2055	1795	1690	1535	1425	1340	1275	1220	1065	953
7306W	5570	4425	2585	2260	2125	1930	1795	1690	1605	1535	1340	1200
7307W	6650	5280	3085	2695	2535	2305	2140	2015	1915	1830	1600	1430
7308W	8540	6780	3965	3465	3260	2960	2750	2585	2455	2350	2055	1840
7309W	10150	8060	4710	4115	3875	3520	3265	3075	2920	2795	2440	2185
7310W	11875	9430	5520	4820	4535	4120	3825	3600	3420	3270	2855	2560
7311PW	11850	9410	5500	4810	4525	4110	3815	3590	3410	3260	2850	
7312PW	13550	10750	6280	5490	5170	4695	4355	4100	3895	3725	3255	
7313PW	15325	12150	7110	6210	5850	5310	4930	4640	4410	4215	3685	
7314PW	17200	13650	7990	6980	6570	5970	5540	5210	4950	4735	4135	
7315PW	19050	15125	8840	7720	7270	6600	6130	5770	5480	5240	4580	
7316PW	20575	16325	9540	8340	7850	7130	6620	6230	5920	5660	4945	
7317PW	22100	17525	10250	8960	8430	7660	7110	6690	6360	6080		
7318PW	24975	19775	11575	10100	9510	8640	8020	7550	7170	6860		
7319PW	26900	21350	12500	10900	10250	9330	8660	8150	7740	7400		
7320PW	30400	24125	14100	12325	11600	10525	9780	9200	8740	8360		
7321PW	30150	23925	14000	12225	11500	10450	9700	9130	8680			
7322PW	34000	26975	15775	13775	12975	11775	10950	10300				

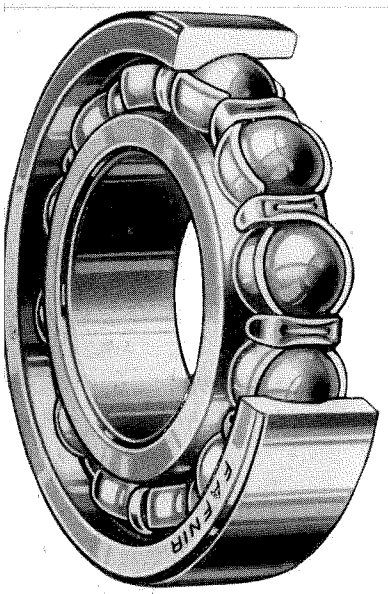


HEAVY
7400 Series



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
7405W	25	.9843	80	3.1496	21	.8268
7406W	30	1.1811	90	3.5433	23	.9055
7407W	35	1.3780	100	3.9370	25	.9843
7408W	40	1.5748	110	4.3307	27	1.0630
7409W	45	1.7717	120	4.7244	29	1.1417
7410PW	50	1.9685	130	5.1181	31	1.2205
7411PW	55	2.1654	140	5.5118	33	1.2992
7412PW	60	2.3622	150	5.9055	35	1.3780
7413PW	65	2.5591	160	6.2992	37	1.4567
7414PW	70	2.7559	180	7.0866	42	1.6535
7415PW	75	2.9528	190	7.4803	45	1.7717
7416PW	80	3.1496	200	7.8740	48	1.8898
7418PW	90	3.5433	225	8.8583	54	2.1260
7420PW	100	3.9370	265	10.4331	60	2.3622



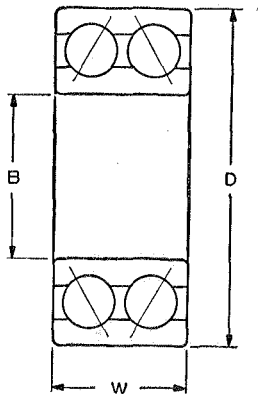
LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
7405W	7180	5700	3335	2915	2740	2490	2310	2175	2065	1975	1725	1545
7406W	9230	7320	4280	3740	3520	3200	2970	2795	2655	2540	2220	1985
7407W	10800	8570	5010	4375	4120	3740	3475	3270	3105	2970	2595	2325
7408W	13350	10600	6190	5410	5090	4630	4295	4040	3840	3670	3210	2875
7409W	14425	11450	6700	5850	5510	5000	4645	4370	4155	3970	3470	3110
7410PW	15275	12125	7090	6190	5830	5290	4915	4625	4395	4200	3670	
7411PW	16250	12900	7550	6590	6210	5640	5230	4925	4680	4475	3910	
7412PW	18700	14850	8680	7590	7140	6490	6020	5670	5388	5150	4500	
7413PW	19075	15125	8850	7730	7280	6610	6140	5770	5480	5250	4580	
7414PW	23300	18500	10825	9450	8890	8080	7500	7060	6700	6410	5600	
7415PW	26225	20800	12175	10625	10000	9090	8440	7940	7540	7220		
7416PW	27825	22100	12925	11275	10625	9650	8960	8430	8010	7660		
7418PW	32625	25900	15150	13235	12450	11300	10500	9880	9390	8980		
7420PW	42250	33525	19600	17125	16125	14650	13600	12800	12150	11625		

BEARING DIMENSIONS

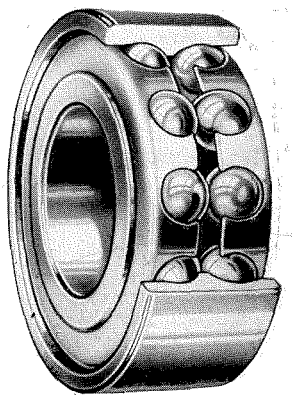
LIGHT
5200 Series

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W) 5200	
	MM	Inches	MM	Inches	Inches	Decimal
5200K	10	.3937	30	1.1811	9/16	.5625
5201K	12	.4724	32	1.2598	5/8	.6250
5202K	15	.5906	35	1.3780	5/8	.6250
5203K	17	.6693	40	1.5748	11/16	.6875
5204K	20	.7874	47	1.8504	13/16	.8125
5205K	25	.9843	52	2.0472	13/16	.8125
5206W	30	1.1811	62	2.4409	15/16	.9375
5207W	35	1.3780	72	2.8346	1 1/16	1.0625
5208W	40	1.5748	80	3.1496	1 3/16	1.1875
5209W	45	1.7717	85	3.3465	1 3/16	1.1875
5210W	50	1.9685	90	3.5433	1 3/16	1.1875
5211W	55	2.1654	100	3.9370	1 5/16	1.3125
5212	60	2.3622	110	4.3307	1 7/16	1.4375
5213A	65	2.5591	120	4.7244	1 1/2	1.5000
5214	70	2.7559	125	4.9213	1 9/16	1.5625
5215	75	2.9528	130	5.1181	1 5/8	1.6250
5216	80	3.1496	140	5.5118	1 3/4	1.7500
5217	85	3.3465	150	5.9055	1 15/16	1.9375
5218W	90	3.5433	160	6.2992	2 1/16	2.0625
5219	95	3.7402	170	6.6929	2 3/16	2.1875
5220W	100	3.9370	180	7.0866	2 3/8	2.3750
5222	110	4.3307	200	7.8740	2 3/4	2.7500

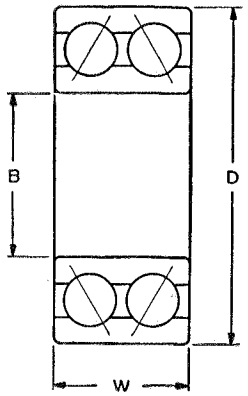


LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
5200K	1390	1105	646	565	531	483	448	422	401	383	335	300
5201K	1200	951	556	486	457	415	386	363	345	330	288	256
5202K	1750	1390	812	710	668	607	563	530	504	482	421	377
5203K	2080	1650	964	842	793	720	669	629	598	572	500	448
5204K	2980	2365	1385	1210	1140	1035	959	903	858	820	717	642
5205K	3255	2585	1510	1320	1245	1130	1050	986	937	896	783	702
5206W	4995	3965	2320	2025	1905	1730	1610	1515	1440	1375	1200	
5207W	6590	5230	3060	2675	2515	2285	2120	1995	1895	1815	1585	
5208W	7850	6230	3645	3185	2995	2725	2525	2380	2260	2160	1890	
5209W	8200	6510	3805	3325	3130	2840	2640	2485	2360	2255	1970	
5210W	8520	6760	3955	3455	3250	2950	2740	2580	2450	2345	2045	
5211W	10700	8490	4965	4335	4080	3705	3440	3240	3075	2940		
5212W	13100	10400	6080	5310	4995	4540	4215	3965	3765	3605		
5213A	12700	10075	6900	5150	4845	4405	4090	3845	3655	3495		
5214	17800	14125	8260	7220	6800	6170	5730	5390	5120	4900		
5215	18450	14650	8560	7480	7040	6400	5940	5590	5310	5080		
5216	21625	17150	10025	8770	8250	7500	6960	6550	6220	5950		
5217	24000	19050	11150	9740	9160	8320	7730	7270	6910	6610		
5218W	27475	21825	12750	11150	10500	9530	8850	8320	7910			
5219	31200	24750	14475	12650	11900	10825	10050	9450	8970			
5220W	33050	26225	15350	13400	12625	11450	10650	10000				
5222	41350	32825	19200	16775	15775	14325	13300	12525				



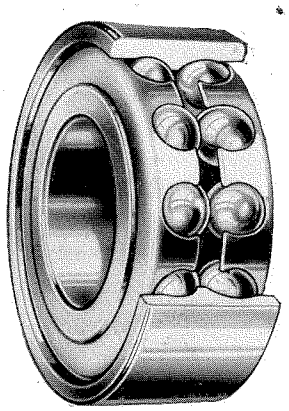
MEDIUM
5300 Series



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (D)	
	MM	Inches	MM	Inches	Inches	Decimal
5302K	15	.5906	42	1.6535	¾	.7500
5303K	17	.6693	47	1.8504	⅞	.8750
5304K	20	.7874	52	2.0472	⅞	.8750
5305K	25	.9843	62	2.4409	1	1.0000
5306W	30	1.1811	72	2.8346	1 3/16	1.1875
5307W	35	1.3780	80	3.1496	1 ⅜	1.3750
5308W	40	1.5748	90	3.5433	1 7/16	1.4375
5309W	45	1.7717	100	3.9370	1 9/16	1.5625
5310W	50	1.9685	110	4.3307	1 ¾	1.7500
5311W	55	2.1654	120	4.7244	1 15/16	1.9375
5312W	60	2.3622	130	5.1181	2 ⅛	2.1250
5313W	65	2.5591	140	5.5118	2 5/16	2.3125
5314W	70	2.7559	150	5.9055	2 ½	2.5000
5315W	75	2.9528	160	6.2992	2 11/16	2.6875
5316W	80	3.1496	170	6.6929	2 11/16	2.6875
5317W	85	3.3465	180	7.0866	2 ⅞	2.8750
5318W	90	3.5433	190	7.4803	2 ⅞	2.8750
5319	95	3.7402	200	7.8740	3 1/16	3.0625
5320W	100	3.9370	215	8.4646	3 ¼	3.2500
5322W	110	4.3307	240	9.4488	3 5/8	3.6250
5324W	120	4.7244	260	10.2362	4 ⅛	4.1250
5328W	140	5.5118	300	11.8110	4 ½	4.5000

LOAD RATINGS



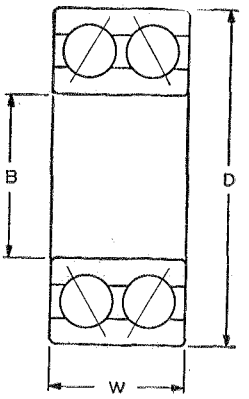
BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
5302K	2080	1650	964	842	793	720	669	629	598	572	499	448
5303K	3155	2505	1465	1280	1205	1095	1015	956	908	868	758	680
5304K	3715	2950	1725	1505	1420	1290	1195	1125	1070	1020	893	800
5305K	4940	3920	2295	2005	1885	1715	1590	1495	1420	1360	1190	1065
5306W	7900	6270	3670	3205	3015	2740	2545	2395	2275	2175	1900	
5307W	8840	7020	4105	3585	3375	3065	2845	2680	2545	2435	2125	
5308W	11450	9080	5310	4640	4370	3970	3685	3465	3295	3150	2750	
5309W	13275	10550	6170	5390	5070	4605	4275	4025	3825	3655	3195	
5310W	15775	12525	7320	6400	6020	5470	5080	4775	4540	4340		
5311W	18450	14650	8560	7480	7040	6400	5940	5590	5310	5080		
5312W	24275	19250	11275	9840	9260	8410	7810	7350	6980	6680		
5313W	27500	21825	12750	11150	10500	9530	8850	8330	7910	7560		
5314W	30900	24525	14350	12525	11800	10700	9940	9360	8890	8500		
5315W	33900	26900	15750	13750	12950	11750	10925	10275	9760	9330		
5316W	36450	28925	16925	14775	13900	12625	11725	11050	10475			
5317W	39325	31225	18250	15950	15000	13625	12650	11900	11325			
5318W	42275	33550	19625	17150	16125	14650	13600	12800				
5319	45675	36250	21200	18525	17425	15825	14700	13825				
5320W	48325	38350	22425	19600	18450	16750	15550	14650				
5322W	57750	45850	26800	23425	22050	20025	18575					
5324	60425	47975	28050	24500	23050	20950	19450					
5328W	74675	59275	34675	30275	28500	25900						

DOUBLE ROW TYPE

BEARING DIMENSIONS

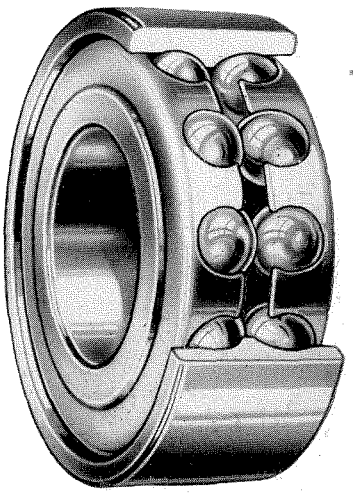
BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	Inches	Decimal
5404	20	.7874	72	2.8346	1 3/8	1.3750
5405W	25	.9843	80	3.1496	1 3/8	1.3750
5406W	30	1.1811	90	3.5433	1 9/16	1.5625
5407W	35	1.3780	100	3.9370	1 3/4	1.7500
5408	40	1.5748	110	4.3307	1 15/16	1.9375
5409	45	1.7717	120	4.7244	2 1/8	2.1250
5410	50	1.9685	130	5.1181	2 5/16	2.3125
5411	55	2.1654	140	5.5118	2 1/2	2.5000
5412W	60	2.3622	150	5.9055	2 5/8	2.6250
5413W	65	2.5591	160	6.2992	2 13/16	2.8125
5414W	70	2.7559	180	7.0866	3 1/8	3.1250
5415W	75	2.9528	190	7.4803	3 1/4	3.2500
5416W	80	3.1496	200	7.8740	3 7/16	3.4375
5417W	85	3.3465	210	8.2677	3 5/8	3.6250
5418W	90	3.5433	225	8.8583	3 7/8	3.8750

HEAVY
5400 Series



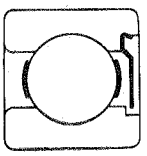
LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.								
	50	100	500	750	900	1200	1800	2400	3600
5404	7910	6280	3675	3210	3020	2745	2395	2180	1905
5405W	9320	7400	4330	3780	3560	3230	2825	2565	2240
5406W	11950	9480	5550	4845	4560	4145	3620	3290	2875
5407W	15850	12575	7360	6430	6050	5490	4800	4360	3810
5408	19850	15750	9220	8050	7580	6880	6010	5460	4775
5409	21350	16950	9920	8660	8150	7410	6470	5880	
5410	25450	20200	11825	10325	9720	8830	7710	7010	
5411	27775	22050	12900	11275	10600	9630	8410	7640	
5412W	29400	23325	13650	11925	11225	10200	8900	8090	
5413W	34825	27625	16150	14125	13300	12075	10550	9580	
5414W	36900	29300	17125	14975	14075	12800	11175		
5415W	42025	33350	19500	17050	16050	14575	12725		
5416W	42500	33725	19725	17225	16225	14725	12875		
5417W	47600	37800	22100	19300	18175	16500			
5418W	53125	42175	24650	21550	20275	18425			

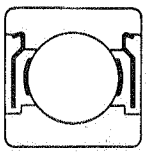


GREASE SHIELD TYPE

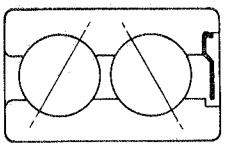
On these pages are shown various shielded and sealed variations of the bearing types previously illustrated. Dimensions other than those listed here are the same as for the basic bearing. Load ratings for the various sealed and shielded bearing types are the same as the load ratings of the corresponding basic bearings. For example, the load ratings of the 9101D is the same as that of the 9101.



Single Shield (D)



Double Shield (DD)



Double Row Shielded

SINGLE ROW

extra-small—inch type

SINGLE SHIELD	WIDTH (INCHES)		DOUBLE SHIELD
	FRACTIONAL	DECIMAL	
33KD3	5/32	.1562	**33KDD3**
33KD5	5mm	.1970	**33KDD5**
S1KD7		.1960	**S1KDD7**
S1KD		.2812	**S1KDD**
S3KD	9/32	.2812	**S3KDD**
S5KD	5/16	.3125	**S5KDD**
S7KD	11/32	.3438	**S7KDD**
S8KD	7/16	.4375	**S8KDD**

extra-small—metric type

SINGLE SHIELD	DOUBLE SHIELD
34KD	**34KDD**
35KD	**35KDD**
36KD	**36KDD**
37KD	**37KDD**
38KD	**38KDD**
39KD	**39KDD**

extra-light

SINGLE SHIELD	DOUBLE SHIELD
9101D	**9101DD**
9102D	

light

SINGLE SHIELD	DOUBLE SHIELD
200D	**200DD**
201D	**201DD**
202D	**202DD**
203D	**203DD**
204D	**204DD**
205D	**205DD**
206D	**206DD**
207D	**207DD**
208D	**208DD**
209D	**209DD**
210D	**210DD**
211D	**211DD**
212D	**212DD**
214D	**213DD**
215D	**214DD**
216D	**216DD**
217D	**217DD**
218D	
219D	
220D	
221D	
222D	

medium

SINGLE SHIELD	DOUBLE SHIELD
300D	**300DD**
301D	**301DD**
302D	**302DD**
303D	**303DD**
304D	**304DD**
305D	**305DD**
306D	**306DD**
307D	**307DD**
308D	**308DD**
309D	**309DD**
310D	**310DD**
311D	**311DD**
312D	
313D	
314D	**314DD**
315D	
316D	**316DD**
317D	
320D	

heavy

SINGLE SHIELD	DOUBLE SHIELD
409D	
411D	
413D	
414D	
415D	**415DD**

DOUBLE ROW

extra-large

SINGLE SHIELD	WIDTH	
	MM	INCHES
120WD2N	28	1.1024
122WD2	35	1.3780
124WD	32	1.2598
128WD	36	1.4173
130WD	38	1.4961
132WD	40	1.5748
136WD2N	49	1.9291

light

SINGLE SHIELD	WIDTH INCHES
5201D	5/8
5203D	11/16
5204D	13/16
5205D	7/8
5206D	1 1/16
5207D	1 3/16
5208D	1 3/16
5209D	1 3/16
5210D	1 5/16
5211D	1 5/16
5212D	1 9/16
5214D	1 9/16
***5216**	1 7/8
5218D	2 1/16

medium

SINGLE SHIELD	WIDTH INCHES
5306D	1 5/16
5307D	1 1/2
5308D	1 13/16
5309D	1 11/16
5310D	1 7/8
5311D	2 1/16
5312D	2 1/4
5313D	2 7/16

Capacity is equivalent to that of the corresponding Single Row Radial or Double Row Bearing. *Double Shield only.

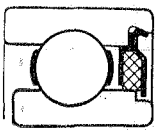
SHIELDED AND SEALED TYPES

FELT-SEAL TYPE

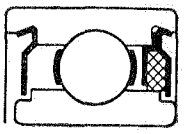
EXTRA-SMALL LIGHT (200) Series

BEARING NUMBER		BORE		OUTSIDE DIAMETER		WIDTH INCHES		NOM. INNER RING OFFSET INCHES	BEARING NUMBER	WIDTH INCHES	
SINGLE FELT SEAL (T)	SINGLE FELT SEAL SINGLE SHIELD (TD)	MM	Inches	MM	Inches	Outer Ring	Inner Ring		DOUBLE FELT SEAL (TT)	Inner Ring	Outer Ring
		5	.1969	19	.7480				**35KTT**	.5625	.5625
36KT		6	.2362	19	.7480	.406	.386	.020	**36KTT**	.5625	.5625
36KVT	**36KVTD**	6	.2362	24	.9449	.406	.386	.020			
37KT	**37KTD**	7	.2756	22	.8661	.406	.386	.020			
37KVT	**37KVTD**	7	.2756	24	.9449	.406	.386	.020			
38KT	**38KTD**	8	.3150	22	.8661	.406	.386	.020	**38KTT**	.5625	.5625
38KVT	**38KVTD**	8	.3150	24	.9449	.406	.386	.020	**38KVTT**	.5625	.5625
	39KTD	9	.3543	26	1.0236	.453	.437	.016	**39KTT**	.5625	.5625
39KVT	**39KVTD**	9	.3543	30	1.1811	.500	.480	.020			
200KT	**200KTD**	10	.3937	30	1.1811	.500	.480	.020	**200KTT**	.656	.656
201KT	**201KTD**	12	.4724	32	1.2598	.500	.480	.020	**201KTT**	.656	.656
201KT2	**201KTD2**	13	.5118	32	1.2598	.500	.480	.020	**201KTT3**	.656	.656
202KT	**202KTD**	15	.5906	35	1.3780	.500	.480	.020	**202KTT**	.656	.656
202KT3 *	**202KTD3**	16	.6299	35	1.3780	.500	.480 *	.020			
203KT	**203KTD**	17	.6693	40	1.5748	.563	.538	.025	**203KTT**	.718	.718
204KT	**204KTD**	20	.7874	47	1.8504	.625	.600	.025	**204KTT**	.8125	.8125
205KT	**205KTD**	25	.9843	52	2.0472	.625	.600	.025	**205KTT**	.8125	.8125
206KT	**206KTD**	30	1.1811	62	2.4409	.7874	.7480	.039	**206KTT**	.9449	.9449
207KT		35	1.3780	72	2.8346	.8268	.7874	.039	**207KTT**	.9843	.9843
		35	1.3780	72	2.8346				**207KTT2**	.9843	.6693

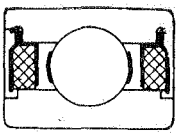
* 202KT3 has .484 inner ring width. Capacity is equivalent to that of the corresponding Single Row Radial Bearing.



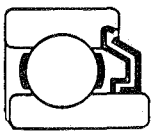
Single Seal (T)



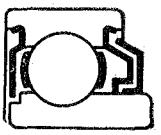
Single Seal and Shield (TD)



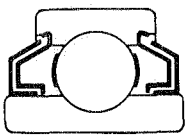
Double Seal (TT)



Single Seal (L)



Single Shield and Seal (LD)



Double Seal (LL)

MECHANI-SEAL TYPE

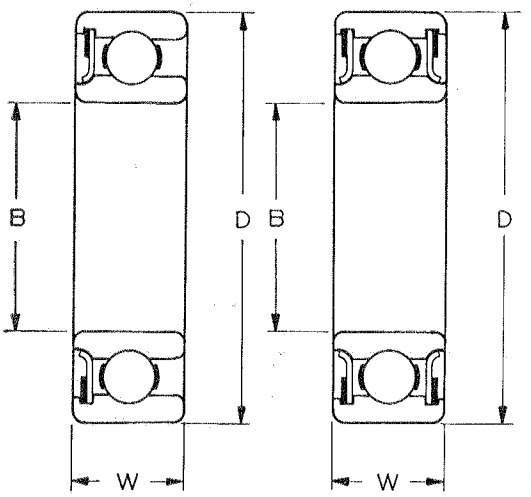
EXTRA-SMALL Series

LIGHT (200) Series

BEARING NUMBER		BORE		OUTSIDE DIAMETER		OVERALL WIDTH	WIDTH INCHES		NOM. INNER RING OFFSET	SEAL PROJECTION INCHES		BEARING NUMBER	WIDTH INCHES		SEAL PROJECTION INCHES	
Single Mechani-Seal	Single Seal and Shield	MM	Inches	MM	Inches	Inches	Inner Ring	Outer Ring		Width	O. D.	DOUBLE MECHANI-SEAL	Inner Ring	Outer Ring	Width	O. D.
36KL	**36KLD**	6	.2362	19	.7480	.406	.386	.3150	.020	.372	21/32	**36KLL**	.562	.315	.428	21/32
36KVL		6	.2362	24	.9449	.406	.386	.3150	.020	.377	3/4					
37KL	**37KLD**	7	.2756	22	.8661	.406	.386	.3150	.020	.378	47/64					
37KVL	**37KVLD**	7	.2756	24	.9449	.406	.386	.3150	.020	.377	3/4					
38KL	**38KLD**	8	.3150	22	.8661	.406	.386	.3150	.020	.378	47/64	**38KLL**	.562	.315	.440	47/64
		8	.3150	22	.8661							**38KLL2**	.497	.315	.440	47/64
38KVL	**38KVLD**	8	.3150	24	.9449	.406	.386	.3150	.020	.377	3/4	**38KVLL**	.562	.315	.438	3/4
39KL2	**39KLD2**	9	.3543	26	1.0236	.406	.386	.3150	.020	.378	27/32					
		9	.3543	30	1.1811							**39KVLL2**	.6457	.3543	.629	1
200KL	**200KLD**	10	.3937	30	1.1811	.500	.480	.3543	.020	.481	1	**200KLL2**	.6457	.3543	.613	1
201KL	**201KLD**	12	.4724	32	1.2598	.500	.480	.3937	.020	.480	1 1/16	**201KLL2** *	.6063	.3937	.567	1 1/16
201KL2	**201KLD2**	13	.5118	32	1.2598	.500	.480	.3937	.020	.480	1 1/16	**201KLL3**	.6063	.3937	.567	1 1/16
202KL4	**202KLD4**	14	.5512	35	1.3780	.500	.480	.4331	.020	.487	1 3/16					
202KL	**202KLD**	15	.5906	35	1.3780	.500	.480	.4331	.020	.487	1 3/16	**202KLL2** *	.5669	.4331	.543	1 3/16
202KL3	**202KLD3**	16	.6299	35	1.3780	.500	.480	.4331	.020	.487	1 3/16	**202KLL3**	.5669	.4331	.543	1 3/16
203KL	**203KLD**	17	.6693	40	1.5748	.563	.538	.4724	.025	.551	1 3/8	**203KLL2** **	.6536	.4724	.630	1 3/8
204KL	**204KLD**	20	.7874	47	1.8504	.625	.600	.5512	.025	.613	13 7/64	**204KLL2**	.6988	.5512	.675	13 7/64
205KL	**205KLD**	25	.9843	52	2.0472	.625	.600	.5906	.025	.613	15 1/64	**205KLL2** †	.6594	.5906	.635	15 1/64
206KL	**206KLD**	30	1.1811	62	2.4409	.7874	.7480	.6299	.039	.767	2 9/64	**206KLL**	.9449	.6299	.905	2 9/16
207KL		35	1.3780	72	2.8346	.8268	.7874	.6693	.039	.807	21 5/32	**207KLL**	.9843	.6693	.944	21 5/32
		40	1.5748	80	3.1496							**208KLL**	1.1811	.7087	1.127	2 3/4
209KL	**209KLD**	45	1.7717	85	3.3465	1.0236	1.0236	.7480	x	.954	23 1/32	**209KLL**	1.1811	.7480	1.160	22 1/32
211KL	**211KLD**	55	2.1654	100	3.9370	1.0630	1.0630	.8268	x	1.050	3 1/2					

x Faces of inner and outer rings flush on side opposite seal. ** Also available as 203KLL with .7180 inner ring width.
* Also available as 201KLL, 202KLL with .656 inner ring width. † Also available as 205KLL with .8125 inner ring width.
Capacity is equivalent to that of the corresponding Single Row Radial Bearing.

PLYA-SEAL Type



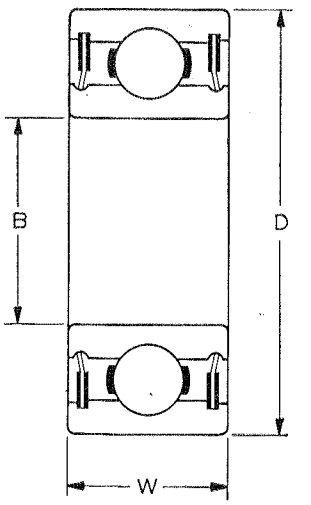
Single Seal Double Seal

BEARING DIMENSIONS

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
SINGLE SEAL	DOUBLE SEAL	MM	Inches	MM	Inches	MM	Inches
34P	34PP	4	.1575	16	.6299	10	.3937
36P	36PP	6	.2362	19	.7480	10	.3937
37P	37PP	7	.2756	22	.8661	10	.3937
38P	38PP	8	.3150	22	.8661	10	.3937
9100NP*	9100NPP*	10	.3937	26	1.0236	8	.3150
9101NP*	9101NPP*	12	.4724	28	1.1024	8	.3150
9102P	9102PP	15	.5906	32	1.2598	9	.3543
9103P	9103PP	17	.6693	35	1.3780	10	.3937
9104P	9104PP	20	.7874	42	1.6535	12	.4724
9105P	9105PP	25	.9843	47	1.8504	12	.4724
9106P	9106PP	30	1.1811	55	2.1654	13	.5118
9107P	9107PP	35	1.3780	62	2.4409	14	.5512
9108P	9108PP	40	1.5748	68	2.6772	15	.5906
9109P	9109PP	45	1.7717	75	2.9528	16	.6299
9110P	9110PP	50	1.9685	80	3.1496	16	.6299
9111P	9111PP	55	2.1654	90	3.5433	18	.7087
9112P	9112PP	60	2.3622	95	3.7402	18	.7087
9113P	9113PP	65	2.5591	100	3.9370	18	.7087
9506P	9506PP	30	1.1811	52	2.0472	13	.5118
200P	200PP	10	.3937	30	1.1811	9	.3543
201P	201PP	12	.4724	32	1.2598	10	.3937
202P	202PP	15	.5906	35	1.3780	11	.4331
203P	203PP	17	.6693	40	1.5748	12	.4724
204P	204PP	20	.7874	47	1.8504	14	.5512
205P	205PP	25	.9843	52	2.0472	15	.5906
206P	206PP	30	1.1811	62	2.4409	16	.6299
207NP*	207NPP*	35	1.3780	72	2.8346	17	.6693
208NP*	208NPP*	40	1.5748	80	3.1496	18	.7087
209NP*	209NPP*	45	1.7717	85	3.3465	19	.7480
210P	210PP	50	1.9685	90	3.5433	20	.7874
300P		10	.3937	35	1.3780	11	.4331

Capacity is equivalent to that of the corresponding Single Row Radial Bearing, except for those sizes separately listed. *Non-removable seals.

WIDE Type PLYA-SEAL



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)
	MM	Inches	MM	Inches	Inches
W9100PP	10	.3937	26	1.0236	.4724(12MM)
W200PP	10	.3937	30	1.1811	.5625
W201PP	12	.4724	32	1.2598	.6250
W202PP	15	.5906	35	1.3780	.6250
W203PP	17	.6693	40	1.5748	.6875
W204PP	20	.7874	47	1.8504	.8125
W205PP	25	.9843	52	2.0472	.8125
W206PP	30	1.1811	62	2.4409	.9375
W207PP	35	1.3780	72	2.8346	1.0625
W208PP	40	1.5748	80	3.1496	1.1875
W209PP	45	1.7717	85	3.3465	1.1875
W210PP	50	1.9685	90	3.5433	1.1875
W214PP	70	2.7559	125	4.9213	1.5625
W305PP	25	.9843	62	2.4409	1.0000
W306PP	30	1.1811	72	2.8346	1.1875
W307PP	35	1.3780	80	3.1496	1.3750
W308PP	40	1.5748	90	3.5433	1.4375
W309PP	45	1.7717	100	3.9370	1.5625
W310PP	50	1.9685	110	4.3307	1.7500
W311PP	55	2.1654	120	4.7244	1.9375
W312PP	60	2.3622	130	5.1181	2.1250
W313PP	65	2.5591	140	5.5118	2.3125
W314PP	70	2.7559	150	5.9055	2.5000

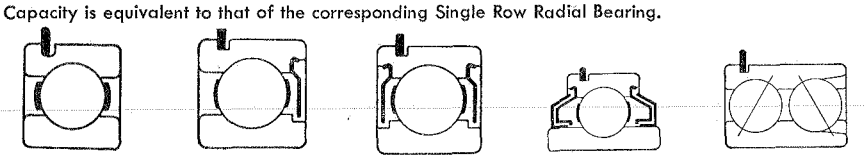
Capacity is equivalent to that of the corresponding Single Row Radial Bearing.

ball bearings . . .

BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (C)		WIDTH (W)	O.D. of INNER (M)
	MM	Inches	MM	Inches	MM	Inches	Inches	Inches
WIR204 (K)	20	.7874	47	1.8504	14	.5512	.8125	1.079
WIR207 (K)	35	1.3780	72	2.8346	17	.6693	1.0625	1.825
WIR208 (W)	40	1.5748	80	3.1496	18	.7087	1.1875	2.063
WIR209 (W)	45	1.7717	85	3.3465	19	.7480	1.1875	2.260
WIR210 (K, W)	50	1.9685	90	3.5433	20	.7874	1.1875	2.456
WIR211 (W)	55	2.1654	100	3.9370	21	.8268	1.3125	2.714
WIR212 (W)	60	2.3622	110	4.3307	22	.8661	1.4375	2.972
WIR213 (W)	65	2.5591	120	4.7244	23	.9055	1.5000	3.230
WIR305 (K)	25	.9843	62	2.4409	17	.6693	1.0000	1.432
WIR306 (K)	30	1.1811	72	2.8346	19	.7480	1.1875	1.690
WIR307 (K)	35	1.3780	80	3.1496	21	.8268	1.3750	1.927
WIR308 (W)	40	1.5748	90	3.5433	23	.9055	1.4375	2.185
WIR309 (K)	45	1.7717	100	3.9370	25	.9843	1.5625	2.442
WIR210 (K)	50	1.9685	110	4.3307	27	1.0630	1.7500	2.700
WIR311 (W)	55	2.1654	120	4.7244	29	1.1417	1.9375	2.958
WIR312 (W)	60	2.3622	130	5.1181	31	1.2205	2.1250	3.210
WIR313 (K)	65	2.5591	140	5.5118	33	1.2992	2.3125	3.478
WIR314 (W)	70	2.7559	150	5.9055	35	1.3780	2.5000	3.731
WIR315 (W)	75	2.9528	160	6.2992	37	1.4567	2.6875	3.951
WIR316 (W)	80	3.1496	170	6.6929	39	1.5354	2.6875	4.209
WIR318 (W)	90	3.5433	190	7.4803	43	1.6929	2.8750	4.729
WIR319 (W)	95	3.7402	200	7.8740	45	1.7717	3.0625	4.987
WIR320 (W)	100	3.9370	215	8.4646	47	1.8504	3.2500	5.306

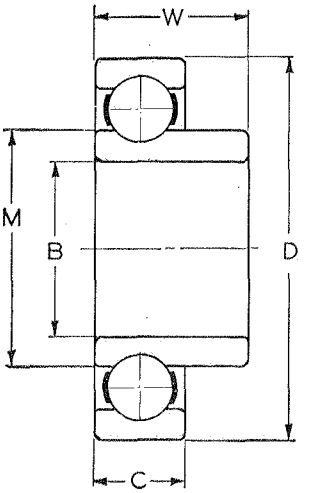
Capacity is equivalent to that of the corresponding Single Row Radial Bearing.



SINGLE ROW WITH SNAP RING	SINGLE ROW WITH SNAP RING AND SINGLE SHIELD	SINGLE ROW WITH SNAP RING AND DOUBLE SHIELD	SINGLE ROW WITH SNAP RING AND SINGLE OR DOUBLE SEALS	DOUBLE ROW WITH SNAP RING
203G	**204DG**	**202DDG**	**202LLG2†**	**5209G**
204G	**205DG**	**204DDG**	**204LLG2†**	**5210G**
205G	**206DG**	**205DDG**	**205LLG2†**	**5211G**
206G	**207DG**	**206DDG**	**206LLG†**	**5212G**
207G	**208DG**	**305DDG**	**201TG2***	**5213G**
208G	**209DG**	**306DDG**		**5215G**
209G	**210DG**			**5216G**
210G	**211DG**			**5219G**
211G	**212DG**			**5308G**
212G	**215DG**			**5309G**
216G	**216DG**			**5312G**
218G	**304DG**			**5313G**
304G	**305DG**			**5314G**
305G	**306DG**			**5409G**
306G	**307DG**			**5411G**
307G	**308DG**			
308G	**309DG**			
309G	**310DG**			
310G	**311DG**			
311G	**312DG**			
312G	**313DG**			
313G				
403G				
410G				
412G				

† Double Mechani-Seal. * Single Felt-Seal.
Capacity is equivalent to that of the corresponding Single Row Radial or Double Row Bearing.

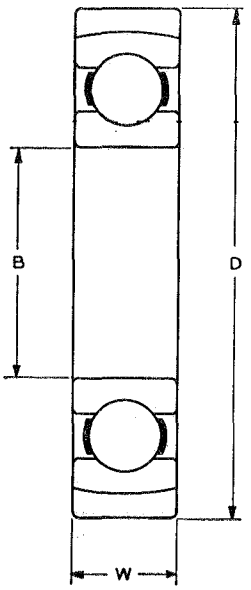
EXTENDED INNER RING Type



SNAP RING (WIRELOC Type)

EXTERNAL SELF-ALIGNING

Light Series



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
200KS	10	0.3937	33	1.2992	9	0.3543
201KS	12	0.4724	35	1.3780	10	0.3937
202KS	15	0.5906	38	1.4961	11	0.4331
203KS	17	0.6693	44	1.7323	12	0.4724
204KS	20	0.7874	52	2.0472	14	0.5512
205KS	25	0.9843	57	2.2441	15	0.5906
206KS	30	1.1811	68	2.6772	16	0.6299
207KS	35	1.3780	79	3.1102	17	0.6693
208KS	40	1.5748	88	3.4646	18	0.7087
209KS	45	1.7717	93	3.6614	19	0.7480
210WS	50	1.9685	100	3.9370	20	0.7874
211WS	55	2.1654	110	4.3307	21	0.8268
212KS	60	2.3622	120	4.7244	22	0.8661
215HS (WS)	75	2.9528	145	5.7087	25	0.9843
216WS	80	3.1496	155	6.1024	26	1.0236
219WS	95	3.7402	190	7.4803	32	1.2598
220WS	100	3.9370	200	7.8740	34	1.3386
222WS	110	4.3307	220	8.6614	38	1.4961

Note: Because each external "S" ring is closely matched to its respective bearing outer ring, the "S" ring of one bearing will not fit the outer ring of another bearing, and no attempt should be made to do so.

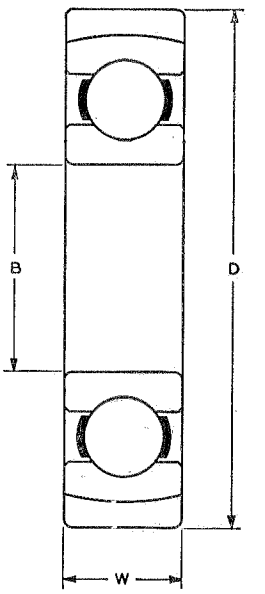
LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
200KS	910	722	422	369	347	315	293	275	262	250	219	196
201KS	1020	811	474	414	390	354	329	309	294	281	246	220
202KS	1180	936	547	478	450	409	380	357	339	325	283	254
203KS	1605	1270	744	650	612	556	516	485	461	441	385	345
204KS	1950	1550	905	791	744	676	628	591	561	537	469	420
205KS	2140	1695	992	867	816	741	688	648	615	588	514	461
206KS	3150	2500	1460	1275	1200	1090	1015	954	906	867	757	678
207KS	4080	3235	1895	1655	1555	1415	1315	1235	1175	1120	980	879
208KS	4980	3955	2310	2020	1900	1730	1605	1510	1435	1370	1200	1075
209KS	4980	3955	2310	2020	1900	1730	1605	1510	1435	1370	1200	1075
210WS	5450	4750	3245	2835	2670	2425	2250	2120	2015	1925	1680	1505
211WS	6440	5600	3835	3350	3150	2865	2660	2500	2375	2275	1985	1780
212KS	7980	6330	3700	3235	3045	2765	2565	2415	2295	2195	1920	
215HS	9430	7490	4380	3825	3600	3270	3035	2855	2715	2595	2265	
215WS	10950	9540	6240	5450	5130	4660	4325	4070	3870	3700	3230	
216WS	12900	11250	7310	6380	6010	5460	5070	4770	4530	4330	3785	
219WS	18725	16300	10500	9170	8630	7840	7280	6850	6510	6220		
220WS	21125	18400	11800	10300	9700	8820	8180	7700	7320	7000		
222WS	25600	22300	13925	12150	11450	10400	9650	9080	8630			

ball bearings . . .

EXTERNAL SELF-ALIGNING

Medium Series



BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
304KS	20	0.7874	57	2.2441	15	0.5906
305KS	25	0.9843	68	2.6772	17	0.6693
306KS	30	1.1811	80	3.1496	19	0.7480
307KS (WS)	35	1.3780	88	3.4646	21	0.8268
308KS (WS)	40	1.5748	100	3.9370	23	0.9055
309KS	45	1.7717	110	4.3307	25	0.9843
310WS	50	1.9685	120	4.7244	27	1.0630
311KS	55	2.1654	130	5.1181	29	1.1417
312WS	60	2.3622	145	5.7087	31	1.2205
313KS	65	2.5591	155	6.1024	33	1.2992
314KS (WS)	70	2.7559	165	6.4961	35	1.3780
315HS (WS)	75	2.9528	175	6.8898	37	1.4567
316WS	80	3.1496	190	7.4803	39	1.5354
322WS	110	4.3307	265	10.4331	50	1.9685

Note: Because each external "S" ring is closely matched to its respective bearing outer ring, the "S" ring of one bearing will not fit the outer ring of another bearing, and no attempt should be made to do so.

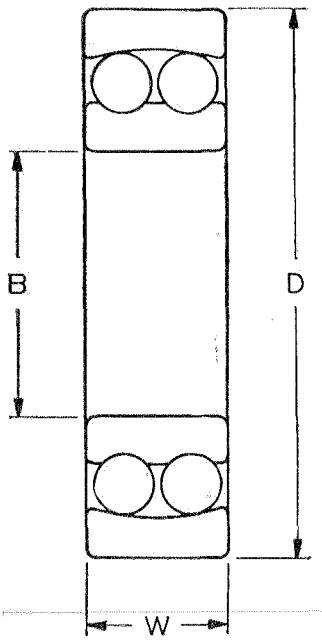
LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
304KS	2420	1920	1125	982	924	840	779	733	697	666	582	522
305KS	3590	2850	1665	1445	1370	1245	1155	1090	1035	988	864	774
306WS	3525	3070	2225	2050	1980	1865	1785	1720	1655	1580	1380	1240
307KS	3080	4035	2360	2060	1940	1765	1635	1540	1465	1400	1225	1095
307WS	4275	3720	2695	2485	2400	2265	2165	2080	1980	1890	1655	1480
308KS	6740	5350	3130	2735	2570	2335	2170	2040	1940	1855	1620	1450
308WS	5580	4865	3525	3250	3135	2955	2830	2675	2540	2430	2125	1905
309KS	8030	6370	3725	3255	3065	2780	2585	2430	2310	2210	1930	1730
310WS	7890	6870	4980	4590	4430	4180	3965	3730	3545	3390	2960	2655
311KS	10850	8620	5040	4400	4145	3765	3495	3290	3125	2985	2610	
312WS	10550	9190	6660	6140	5920	5590	5240	4925	4680	4475	3910	
313KS	14100	11175	6540	5710	5380	4885	4535	4270	4055	3880	3390	
314KS	15850	12575	7350	6420	6050	5490	5100	4800	4560	4360	3810	
314WS	13600	11825	8575	7910	7620	7200	6680	6290	5970	5710	4990	
315HS	17250	13700	8010	7000	6590	5980	5560	5230	4965	4750	4150	
315WS	16425	14300	10350	9550	9220	8420	7820	7360	6990	6690	5840	
316WS	17950	15625	11325	10450	10025	9110	8450	7960	7560	7230	6320	
322WS	30100	26200	18975	16575	15600	14175	13150	12375				

INTERNAL SELF-ALIGNING

L Type

Single Row Width



Wide Type

6000 Series

BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
L204	20	.7874	47	1.8504	14	.5512
L205	25	.9843	52	2.0472	15	.5906
L206	30	1.1811	62	2.4409	16	.6299
L207	35	1.3780	72	2.8346	17	.6693
L208	40	1.5748	80	3.1496	18	.7087
L209	45	1.7717	85	3.3465	19	.7480
L210	50	1.9685	90	3.5433	20	.7874
L211	55	2.1654	100	3.9370	21	.8268
L212	60	2.3622	110	4.3307	22	.8661
L213	65	2.5591	120	4.7244	23	.9055
L215	75	2.9528	130	5.1181	25	.9843
L304	20	.7874	52	2.0472	15	.5906
L305	25	.9843	62	2.4409	17	.6693
L306	30	1.1811	72	2.8346	19	.7480
L307	35	1.3780	80	3.1496	21	.8268
L308	40	1.5748	90	3.5433	23	.9055
L309	45	1.7717	100	3.9370	25	.9843
L310	50	1.9685	110	4.3307	27	1.0630
L311	55	2.1654	120	4.7244	29	1.1417
L313	65	2.5591	140	5.5118	33	1.2992
L314	70	2.7559	150	5.9055	35	1.3780
L315	75	2.9528	160	6.2992	37	1.4567
L318	90	3.5433	190	7.4803	43	1.6929
L6209	45	1.7717	85	3.3465	23	.9055
L6217	85	3.3465	150	5.9055	36	1.4173
L6301	12	.4724	37	1.4567	17	.6693
L6302-2	15	.5906	42	1.6535	17	.6693
L6307	35	1.3780	80	3.1496	31	1.2205
L6308	40	1.5748	90	3.5433	33	1.2992
L6309	45	1.7717	100	3.9370	36	1.4173
L6310	50	1.9685	110	4.3307	40	1.5748
L6311	55	2.1654	120	4.7244	43	1.6929
L6312	60	2.3622	130	5.1181	46	1.8110
L6314	70	2.7559	150	5.9055	51	2.0079
L6317	85	3.3465	180	7.0866	60	2.3622

LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
L204	1400	1110	649	567	533	484	450	423	402	384	336	301
L205	1815	1440	843	736	693	629	584	550	522	500	436	391
L206	2355	1870	1095	956	900	817	759	714	678	649	567	508
L207	2390	1895	1110	969	912	828	769	724	687	657	574	515
L208	2910	2310	1350	1180	1110	1010	936	881	837	800	700	627
L209	3300	2620	1530	1340	1260	1145	1060	1000	949	908	793	711
L210	3435	2725	1595	1395	1310	1190	1105	1040	988	945	826	740
L211	4045	3210	1875	1640	1545	1400	1300	1225	1165	1115	972	871
L212	4560	3620	2120	1850	1740	1580	1470	1380	1315	1255	1095	983
L213	4665	3705	2165	1890	1780	1620	1500	1415	1345	1285	1120	
L215	5870	4660	2725	2380	2240	2035	1890	1780	1690	1615	1410	
L304	1820	1445	844	737	694	630	585	551	523	500	437	392
L305	2670	2120	1240	1085	1020	926	860	809	769	735	642	576
L306	3200	2540	1485	1295	1220	1110	1030	968	920	880	769	689
L307	3775	2300	1755	1530	1440	1310	1215	1145	1085	1040	908	814
L308	4455	3535	2070	1805	1700	1545	1435	1350	1280	1225	1070	960
L309	5730	4545	2660	2325	2185	1985	1845	1735	1650	1575	1375	1235
L310	6520	5170	3025	2645	2485	2260	2100	1975	1875	1795	1565	1405
L311	7740	6140	3590	3135	2950	2680	2490	2345	2225	2130	1860	1665
L313	9360	7430	4345	3795	3575	3245	3015	2835	2695	2575	2250	
L314	11225	8900	5210	4550	4280	3890	3610	3395	3225	3085	2695	
L315	11950	9480	5550	4845	4560	4145	3845	3620	3440	3290	2875	
L318	17575	13950	8150	7120	6700	6090	5650	5320	5050	4835		
L6209	3385	2690	1570	1375	1290	1175	1090	1025	974	932	814	730
L6217	8810	6990	4090	3570	3360	3055	2835	2670	2535	2425		
L6301	1685	1340	782	684	643	584	543	511	485	464	405	363
L6302-2	1740	1380	808	706	664	604	560	527	501	479	419	375
L6307	5750	4565	2670	2330	2195	1995	1850	1740	1655	1580	1380	1240
L6308	6600	5240	3065	2675	2520	2290	2125	2000	1900	1815	1585	1420
L6309	7990	6340	3705	3240	3050	2770	2570	2420	2300	2200	1920	1720
L6310	9460	7510	4390	3835	3610	3280	3045	2865	2720	2605	2275	2035
L6311	11075	8780	5140	4485	4220	3835	3560	3350	3185	3045	2660	2385
L6312	12800	10150	5940	5190	4885	4435	4120	3875	3680	3520	3075	2755
L6314	16200	12850	7520	6570	6180	5620	5210	4905	4660	4455	3895	
L6317	20800	16525	9660	8440	7940	7220	6700	6300	5990	5730		

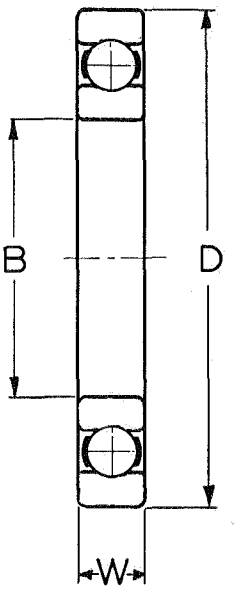
ball bearings . . .

BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
102A	10	.3937	32	1.2598	9	.3543
1H	12	.4724	37	1.4567	9	.3543
103K	15	.5906	37	1.4567	9	.3543
3A	20	.7874	52	2.0472	10	.3937
4CH	20	.7874	42	1.6535	10	.3937
104K	20	.7874	42	1.6535	9	.3543
5C	25	.9843	52	2.0472	12	.4724
105K	25	.9843	52	2.0472	9	.3543
106K	30	1.1811	62	2.4409	10	.3937
7C	35	1.3780	70	2.7559	14	.5512
107A	35	1.3780	70	2.7559	10	.3937
108W	40	1.5748	80	3.1496	11	.4331
110A	50	1.9685	90	3.5433	11	.4331
111W	55	2.1654	100	3.9370	12	.4724
***112AFT**	60	2.3622	105	4.1339	12	.4724
****114ART**	70	2.7559	120	4.7244	14	.5512
115A	75	2.9528	130	5.1181	16	.6299
116W	80	3.1496	135	5.3150	16	.6299
117K	85	3.3465	145	5.7087	18	.7087

* Full Type—No retainer. **Also made as full type (114AFT)

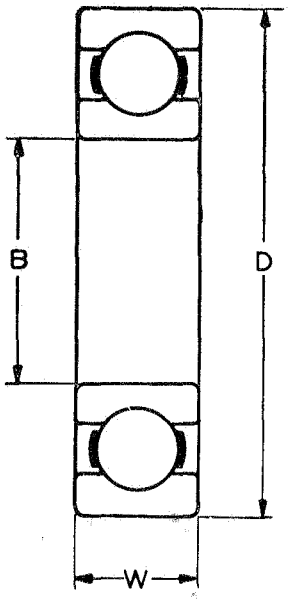
NARROW 100 Series



LOAD RATINGS

BEARING NUMBER	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
	50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
102A	1180	936	547	478	450	409	380	357	339	325	283	254
1H	1280	1020	595	520	489	444	413	388	369	353	308	276
103K	1180	936	547	478	450	409	380	357	339	325	283	254
3A	2575	2040	1195	1045	982	892	828	779	740	708	619	554
4CH	1320	1045	612	535	503	457	425	400	380	363	317	284
104K	1320	1045	612	535	503	457	425	400	380	363	317	284
5C	1910	1515	886	774	729	662	615	578	549	526	459	411
105K	1525	1210	708	619	582	529	491	462	439	420	367	329
106K	2285	1815	1060	927	872	793	736	692	658	629	550	492
7C	3980	3155	1845	1615	1520	1380	1280	1205	1145	1095	956	857
107A	3980	3155	1845	1615	1520	1380	1280	1205	1145	1095	956	857
108W	4320	3430	2005	1750	1650	1500	1390	1310	1245	1190	1040	931
110A	4935	3915	2290	2000	1885	1710	1590	1495	1420	1360	1185	1065
111W	6110	4845	2835	2475	2330	2115	1965	1850	1755	1680	1470	1315
112AFT	5880	4670	2730	2385								
114A	8550	6780	3965	3465	3260	2965	2750	2590	2460	2350	2055	
115A	8970	7120	4165	3640	3425	3110	2885	2715	2580	2470	2155	
116W	8630	6850	4010	3500	3295	2995	2780	2615	2485	2375	2075	
117K	8850	7030	4110	3590	3380	3070	2850	2680	2550	2435	2130	

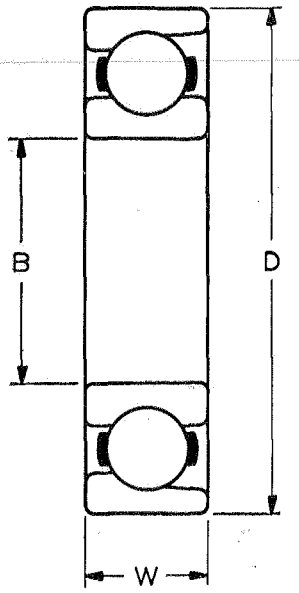
SPECIAL—PRECISION Type (ABEC-3)



Extra-Small Series

Extra-Light 9100 and 9300 Series

Non-Filling Slot Type



Light 200 Series

Counterbore Type

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)		BEARING NUMBER	
	MM	Inches	MM	Inches	MM	Inches	SINGLE SHIELD	DOUBLE SHIELD
M36K	6	.2362	19	.7480	6	.2362		
		.1250		.3750		.1562		**M33KDD3**
		.1875		.5000		.1970		**M33KDD5**
M51K7		.2500		.6250		.1960	**M51KD7**	**M51KDD7**
M51K		.2500		.7500		.2188		
M53K		.3750		.8750		.2188		
M55K		.5000		1.1250		.2500		
M57K		.6250		1.3750		.2812		
M58K		.7500		1.6250		3125		

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
M9103K	17	.6693	35	1.3780	10	.3937
M9104K	20	.7874	42	1.6535	12	.4724
M9106K	30	1.1811	55	2.1654	13	.5118
M9108K	40	1.5748	68	2.6772	15	.5906
M9302K	15	.5906	28	1.1024	7	.2756
M9303K	17	.6693	30	1.1811	7	.2756
M9304K	20	.7874	37	1.4567	9	.3543
M9305K	25	.9843	42	1.6535	9	.3543
M9306K	30	1.1811	47	1.8504	9	.3543
M9307K	35	1.3780	55	2.1654	10	.3937
M9308K	40	1.5748	62	2.4409	12	.4724
M9311K	55	2.1654	80	3.1496	13	.5118

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)		BEARING NUMBER
NON-FILLING SLOT TYPE	COUNTERBORE TYPE*	MM	Inches	MM	Inches	MM	Inches	SINGLE SHIELD
M200K	**M200WI-CR**	10	.3937	30	1.1811	9	.3543	**M200KD**
M201K		12	.4724	32	1.2598	10	.3937	
M202K	**M202WI-CR**	15	.5906	35	1.3780	11	.4331	
M203K	**M203WI-CR**	17	.6693	40	1.5748	12	.4724	**M203KD**
M204K	**M204WI-CR**	20	.7874	47	1.8504	14	.5512	
M205K	**M205WI-CR**	25	.9843	52	2.0472	15	.5906	
M206K	**M206WI-CR**	30	1.1811	62	2.4409	16	.6299	**M206KD**
M207K	**M207WI-CR**	35	1.3780	72	2.8346	17	.6693	
M208K		40	1.5748	80	3.1496	18	.7087	
M209K	**M209WI-CR**	45	1.7717	85	3.3465	19	.7480	
M210K		50	1.9685	90	3.5433	20	.7874	
M211K	**M211WI-CR**	55	2.1654	100	3.9370	21	.8268	
M212K	**M212WI-CR**	60	2.3622	110	4.3307	22	.8661	
M217W	**M217WI-CR**	85	3.3465	150	5.9055	28	1.1024	
	M220WI-CR	100	3.9370	180	7.0866	34	1.3386	
	M222WI-CR	110	4.3307	200	7.8740	38	1.4961	

* Counterbore type bearings can be supplied for use in all duplex mountings described on page 11. Order as one pair (bearing number) followed by suffix "DU". Example: One pair M209WI-CR DU.

r load ratings consult the Fafnir Bearing Co.
ote: Speeds at which bearings are to be operated should e included with the bearing order.

ball bearings . . .

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)		BEARING NUMBER
	MM	Inches	MM	Inches	MM	Inches	SINGLE SHIELD
M301K	12	.4724	37	1.4567	12	.4724	**M301KD**
	15	.5906	42	1.6535	13	.5118	**M302KD**
M305K*	25	.9843	62	2.4409	17	.6693	
M306K*	30	1.1811	72	2.8346	19	.7480	
M307K*	35	1.3780	80	3.1496	21	.8268	
M308K*	40	1.5748	90	3.5433	23	.9055	
M309K*	45	1.7717	100	3.9370	25	.9843	
M310K*	50	1.9685	110	4.3307	27	1.0630	
M311K*	55	2.1654	120	4.7244	29	1.1417	
M312K*	60	2.3622	130	5.1181	31	1.2205	
M313K*	65	2.5591	140	5.5118	33	1.2992	
M314K*	70	2.7559	150	5.9055	35	1.3780	

* Also available with bronze or composition retainers for woodworking machinery.

SPECIAL—PRECISION Type (ABEC-3)

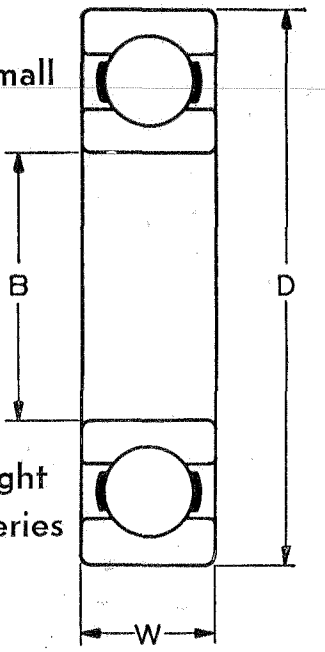
Medium
300 Series

BEARING DIMENSIONS

SUPER—PRECISION Type (ABEC-7)

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
MM33KDD3 *		.1250		.3750		.1562
MM36WI-CR †	6	.2362	19	.7480	6	.2362
MM38WI-CR †	8	.3150	22	.8661	7	.2756
MM53K		.3750		.8750		.2188
MM55K		.5000		1.1250		.2500
MM57K		.6250		1.3750		.2813
MM58K		.7500		1.6250		.3125
Counterbore Type †						
MM9100-CR	10	.3937	26	1.0236	8	.3150
MM9103-CR	17	.6693	35	1.3780	10	.3937
MM9104-CR	20	.7874	42	1.6535	12	.4724
MM9105-CR	25	.9843	47	1.8504	12	.4724
MM9106-CR	30	1.1811	55	2.1654	13	.5118
MM9107-CR	35	1.3780	62	2.4409	14	.5512
MM9108-CR	40	1.5748	68	2.6772	15	.5906
MM9109-CR	45	1.7717	75	2.9528	16	.6299
MM9110-CR	50	1.9685	80	3.1496	16	.6299
MM9111-CR	55	2.1654	90	3.5433	18	.7087
MM9112-CR	60	2.3622	95	3.7402	18	.7087
MM9113-CR	65	2.5591	100	3.9370	18	.7087
MM9115-CR	75	2.9528	115	4.5276	20	.7874
MM9116-CR	80	3.1496	125	4.9213	22	.8661
MM9118-CR	90	3.5433	140	5.5118	24	.9449
MM9122-CR	110	4.3307	170	6.6929	28	1.1024
MM9124-CR	120	4.7244	180	7.0866	28	1.1024
MM9126-CR	130	5.1181	200	7.8740	33	1.2992
MM9130-CR	150	5.9055	225	8.8583	35	1.3780
MM9134-CR	170	6.6929	260	10.2362	42	1.6535
MM9138-CR	190	7.4803	290	11.4173	46	1.8110
MM9140-CR	200	7.8740	310	12.2047	51	2.0079

Extra-Small Series



Extra-Light 9100 Series

Non-Filling Slot Type

* Double shield.

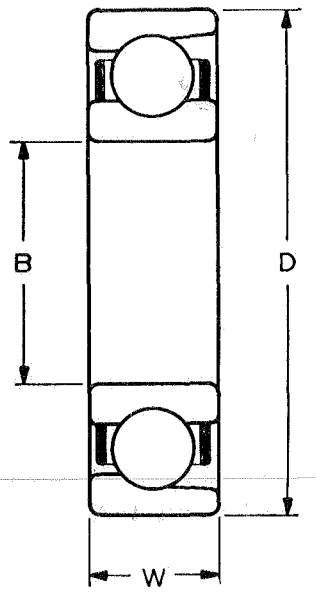
† Counterbore type bearings can be supplied for use in all duplex mountings described on page 11. Order as one pair (bearing number) followed by suffix "DU". Example: One pair MM9110-CR DU.

For load ratings consult the Fafnir Bearing Co.
Note: Speeds at which bearings are to be operated should be included with the bearing order.

SUPER-PRECISION Type (ABEC-7)

9500 Series

BEARING NUMBER (Counterbore Type *)	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
	MM	Inches	MM	Inches	MM	Inches
MM9504	20	.7874	40	1.5748	11	.4331
MM9506	30	1.1811	52	2.0472	13	.5118
MM9508	40	1.5748	72	2.8346	16	.6299
MM9509	45	1.7717	80	3.1496	18	.7087
MM9510	50	1.9685	85	3.3465	19	.7480
MM9511	55	2.1654	90	3.5433	20	.7874
MM9512	60	2.3622	100	3.9370	21	.8268
MM9513	65	2.5591	105	4.1339	22	.8661
MM9514	70	2.7559	110	4.3307	23	.9055
MM9515	75	2.9528	120	4.7244	23	.9055
MM9516	80	3.1496	125	4.9213	24	.9449
MM9517	85	3.3465	130	5.1181	24	.9449
MM9518	90	3.5433	140	5.5118	26	1.0236
MM9520	100	3.9370	160	6.2992	28	1.1024
MM9521	105	4.1339	160	6.2992	28	1.1024



Counterbore Type

Light 200 Series

BEARING DIMENSIONS

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)		BEARING NUMBER
NON-FILLING SLOT TYPE	COUNTERBORE TYPE *	MM	Inches	MM	Inches	MM	Inches	HIGH SPEED MM—WIX TYPE ‡
	MM200WI-CR	10	.3937	30	1.1811	9	.3543	
	MM201WI-CR	12	.4724	32	1.2598	10	.3937	
MM202K	**MM202WI-CR**	15	.5906	35	1.3780	11	.4331	**MM202WIX**
MM203K	**MM203WI-CR**	17	.6693	40	1.5748	12	.4724	**MM203WIX**
MM204K	**MM204WI-CR**	20	.7874	47	1.8504	14	.5512	**MM204WIX**
MM205K	**MM205WI-CR**	25	.9843	52	2.0472	15	.5906	**MM205WIX**
MM206K	**MM206WI-CR**	30	1.1811	62	2.4409	16	.6299	**MM206WIX**
MM207K	**MM207WI-CR**	35	1.3780	72	2.8346	17	.6693	**MM207WIX**
MM208K	**MM208WI-CR**	40	1.5748	80	3.1496	18	.7087	**MM208WIX**
MM209K	**MM209WI-CR**	45	1.7717	85	3.3465	19	.7480	**MM209WIX**
	MM210WI-CR	50	1.9685	90	3.5433	20	.7874	
MM211K	**MM211WI-CR**	55	2.1654	100	3.9370	21	.8268	
MM212K	**MM212WI-CR**	60	2.3622	110	4.3307	22	.8661	
	MM213WI-CR	65	2.5591	120	4.7244	23	.9055	
MM214K	**MM214WI-CR**	70	2.7559	125	4.9213	24	.9449	
	MM215WI-CR	75	2.9528	130	5.1181	25	.9843	
	MM216WI-CR	80	3.1496	140	5.5118	26	1.0236	
	MM217WI-CR	85	3.3465	150	5.9055	28	1.1024	
	MM218WI-CR	90	3.5433	160	6.2992	30	1.1811	
	MM219WI-CR	95	3.7402	170	6.6929	32	1.2598	
	MM220WI-CR	100	3.9370	180	7.0866	34	1.3386	
	MM222WI-CR	110	4.3307	200	7.8740	38	1.4961	
	MM224WI3-CR	120	4.7244	215	8.4646	40	1.5748	
	MM230WI-CR	150	5.9055	270	10.6299	45	1.7717	

For load ratings consult the Fafnir Bearing Co.
Note: Speeds at which bearings are to be operated should be included with the bearing order.

* Counterbore type bearings can be supplied for use in all duplex mountings described on page 11. Order as one pair (bearing number) followed by suffix "DU". Example: One pair MM207WI-CR DU.

‡ Furnished as complete Duplex Units. Width of unit is twice that shown in table above. See page 11 for information regarding Duplex arrangements.

BEARING DIMENSIONS

SUPER-PRECISION

Type (A B E C-7)

Medium

300 Series

BEARING NUMBER		BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (W)	
NON-FILLING SLOT TYPE	COUNTERBORE TYPE †	MM	Inches	MM	Inches	MM	Inches
	MM301WI-CR*	12	.4724	37	1.4567	12	.4724
	MM302WI-CR	15	.5706	42	1.6535	13	.5118
	MM303WI-CR	17	.6693	47	1.8504	14	.5512
	MM304WI-CR	20	.7874	52	2.0472	15	.5906
MM305K-CR	**MM305WI-CR**	25	.9843	62	2.4409	17	.6693
MM306K-CR	**MM306WI-CR**	30	1.1811	72	2.8346	19	.7480
MM307K-CR	**MM307WI-CR**	35	1.3780	80	3.1496	21	.8268
MM308K-CR	**MM308WI-CR**	40	1.5748	90	3.5433	23	.9055
MM309K-CR	**MM309WI-CR**	45	1.7717	100	3.9370	25	.9843
MM310K-CR	**MM310WI-CR**	50	1.9685	110	4.3307	27	1.0630
MM311K-CR	**MM311WI-CR**	55	2.1654	120	4.7244	29	1.1417
MM312K-CR	**MM312WI-CR**	60	2.3622	130	5.1181	31	1.2205
MM313K-CR	**MM313WI-CR**	65	2.5591	140	5.5118	33	1.2992
	MM314WI-CR	70	2.7559	150	5.9055	35	1.3780
	MM319WI-CR	95	3.7402	200	7.8740	45	1.7717

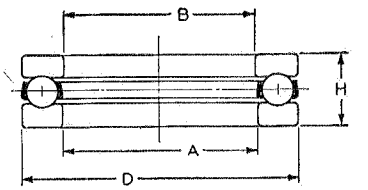
* Also available as MM301WIX for high-speed grinding spindles.

† Counterbore type bearings can be supplied for use in all duplex mountings described on page 11. Order as one pair (bearing number) followed by suffix "DU". Example: One pair MM306WI-CR DU.

THRUST TYPE

1500 Series

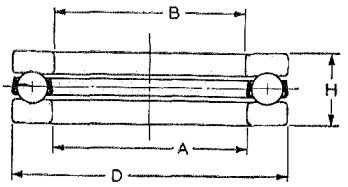
BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		WIDTH (H)	
	MM	Inches	MM	Inches	MM	Inches
1502	10	.3937	26	1.0236	12	.4724
1502A	12	.4724	28	1.1024	12	.4724
1503	15	.5906	31	1.2205	12	.4724
1503A	18	.7087	35	1.3780	12	.4724
1504	20	.7874	37	1.4567	12	.4724
1504A	22	.8661	42	1.6535	14	.5512
1505	25	.9843	45	1.7717	14	.5512
1506	30	1.1811	50	1.9685	14	.5512
1507*	35	1.3780	55	2.1654	16	.6299
1508	40	1.5748	60	2.3622	16	.6299
1509	45	1.7717	68	2.6772	16	.6299
1510	50	1.9685	74	2.9134	18	.7087
1511	55	2.1654	78	3.0709	18	.7087
1512	60	2.3622	82	3.2283	18	.7087
1513	65	2.5591	90	3.5433	20	.7874
1515	75	2.9528	100	3.9370	20	.7874
1516	80	3.1496	110	4.3307	22	.8661
1518	90	3.5433	120	4.7244	22	.8661
1519	95	3.7402	130	5.1181	25	.9843
1520	100	3.9370	135	5.3150	25	.9843
1521	105	4.1339	140	5.5118	25	.9843
1522	110	4.3307	145	5.7087	25	.9843
1524	120	4.7244	160	6.2992	27	1.0630



Bore (A) is .5 MM larger than Bore (B) in every case. * Retainer projection .015" per side.

THRUST TYPE

N1800 Series



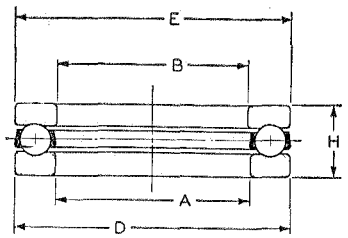
BEARING DIMENSIONS

BEARING NUMBER	BORE (B)		OUTSIDE DIAMETER (D)		HEIGHT (H)	
	MM	Inches	MM	Inches	MM	Inches
N1803S	15	.5906	35	1.3780	14	.5512
N1804S	20	.7874	40	1.5748	14	.5512
N1805S	25	.9843	48	1.8898	15.5	.6103
N1806S	30	1.1811	53	2.0866	15.5	.6103
N1807S	35	1.3780	62	2.4409	18	.7087
N1808S	40	1.5748	64	2.5197	18	.7087
N1809S	45	1.7717	73	2.8740	22	.8661
N1810S	50	1.9685	78	3.0709	22	.8661
N1811S	55	2.1654	88	3.4646	24.5	.9646
N1812S	60	2.3622	90	3.5433	24.5	.9646
N1813S *	65	2.5591	100	3.9370	27	1.0630
N1814S	70	2.7559	103	4.0551	27	1.0630
N1815S	75	2.9528	110	4.3307	27	1.0630
N1816S *	80	3.1496	115	4.5276	29	1.1417
N1817	85	3.3465	125	4.9213	30.5	1.2008
N1818S	90	3.5433	135	5.3150	30.5	1.2008
N1819S	95	3.7402	140	5.5118	32.5	1.2795
N1820S	100	3.9370	150	5.9055	32.5	1.2795
N1821S	105	4.1339	155	6.1024	40	1.5748
N1822	110	4.3307	160	6.2992	40	1.5748
N1823S	115	4.5276	165	6.4961	43	1.6929
N1824	120	4.7244	170	6.6929	46	1.8110
N1825 *	125	4.9213	175	6.8898	46.5	1.8307
N1828S	140	5.5118	200	7.8740	52	2.0472

*Retainer projection: N1813—.016″ per side. N1816—.003″ per side. N1825—.093″ per side.

Bore (A) is 1 MM larger than Bore (B) in every case.

4300 Series

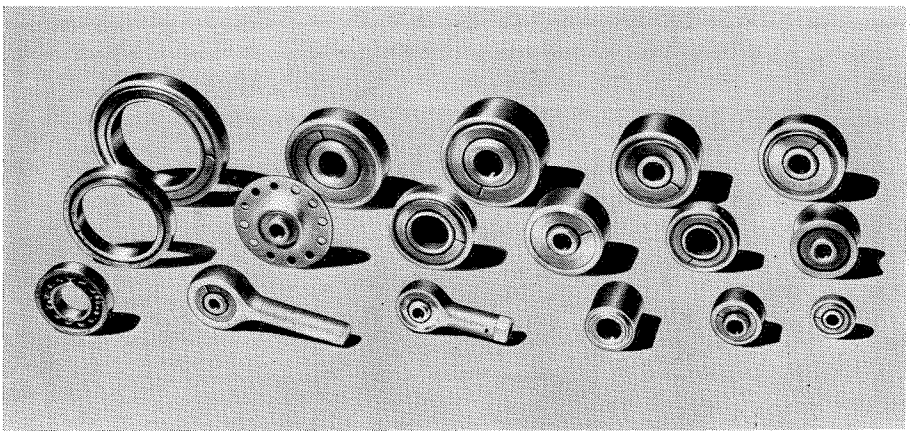


BEARING NUMBER	BORE (A) INCHES	BORE (B) INCHES	OUTSIDE DIAMETER (D) INCHES	OUTSIDE DIAMETER (E) INCHES	HEIGHT (H) INCHES
4303S	3/8	3/8	1	1	17/32
4304S	1/2	1/2	1 9/32	1 9/32	5/8
4305S	5/8	5/8	1 13/32	1 13/32	5/8
4306S*	3/4	3/4	1 17/32	1 17/32	5/8
4307S†	7/8	7/8	1 21/32	1 21/32	5/8
4308S†	1	1	1 25/32	1 25/32	5/8
4309S†	1 1/8	1 1/8	1 29/32	1 29/32	5/8
4310S†	1 1/4	1 1/4	2 3/32	2 3/32	23/32
4311S†	1 3/8	1 3/8	2 7/32	2 7/32	23/32
4312S†*	1 1/2	1 1/2	2 11/32	2 11/32	23/32
4313S†	1 5/8	1 5/8	2 15/32	2 15/32	23/32
4314S	1 3/4	1 3/4	2 11/16	2 11/16	3/4
4315S	1 7/8	1 7/8	2 13/16	2 13/16	3/4
4316S	2 1/32	2	2 31/32	2 15/16	3/4
4317S	2 5/32	2 1/8	3 7/32	3 3/16	7/8
4318S	2 9/32	2 1/4	3 11/32	3 5/16	7/8
4319S	2 13/32	2 3/8	3 19/32	3 9/16	1
4320	2 17/32	2 1/2	3 23/32	3 11/16	1
4321	2 21/32	2 5/8	3 27/32	3 13/16	1
4322S	2 25/32	2 3/4	4 1/32	4	1
4324S	3 1/16	3	4 3/8	4 5/16	1 1/8
4326S	3 5/16	3 1/4	4 13/16	4 3/4	1 1/4
4328	3 9/16	3 1/2	5 1/16	5	1 1/4
4330	3 13/16	3 3/4	5 5/16	5 1/4	1 1/4
4332S	4 1/16	4	5 13/16	5 3/4	1 3/8
4336S	4 9/16	4 1/2	6 9/16	6 1/2	1 3/4
4340	5 1/16	5	7 5/16	7 1/4	
4344S	5 9/16	5 1/2	8 1/16	8	2 3/16
4348	6 1/16	6	8 11/16	8 5/8	2 3/8

* Retainer projection; 4306S-.010″ per side; 4312S-.021″ per side.

† Also furnished on order to TBEC Standards with "A" dimension 1/32″ larger than "B"; i.e., one washer bore to figures shown, and the other 1/32″ larger. Designated as 4300SM Series—as 4307SM.

ball bearings . . .



AIRCRAFT Type

A complete line of ball bearings to meet the special and exacting requirements of the aircraft industry has been developed by Fafnir. Many commercial applications, where motion is reciprocating rather than rotational, have been found and the range of usage is being rapidly broadened. Manufacturers of farm machinery, railway lighting equipment, lawn mowers, and automatic machinery, to mention a few, have found the solution to a bearing problem in the Aircraft Series.

Available types of Fafnir Aircraft Bearings are listed on the following pages. For more detailed information, contact the Fafnir District Representative or the Aircraft Division at the factory.

ROD ENDS

BEARING NUMBER	BORE +.0000 −.0005 Inches	Outside Diameter +.010 −.010 Inches	Width Inner Ring +.000 −.005 Inches	Width Outer Ring +.010 −.010 Inches	BORE Center to End of Shank +.010 −.010 Inches	Overall Dimension +.010 −.010 Inches	Thread Length or Shank Hole Depth Inches	Bead or Hex. Diameter Across Flats Inches	Shank Diam +.010 −.010 Inches	NF3 THREAD OR DRILL SIZE INCHES Size	NF3 THREAD OR DRILL SIZE INCHES Pitch Diam.	BALLS No.	BALLS Size	Maximum Static Non-Brinell Rating Radial Pounds	Weight Pounds (Approx.)	REMARKS
MALE THREAD																
RE3ML3A*	.1900	.781	.245	.213	1.375	1.766	.750			10-32	.1697–.1667	12	1/8"	1000	.08	L.H. Thread
RE3ML3	.1900	.781	.437	.328	1.375	1.766	.750			10-32	.1697–.1667	20	1/8"	800	.04	L.H. Thread
RE3MR3	.1900	.781	.437	.328	1.375	1.766	.750			10-32	.1697–.1667	20	1/8"	800	.04	R.H. Thread
RA3M4-2	.1900	.781	.500	.438	1.812	2.203	.938			1/4"-28	.2268–.2238	20	1/8"	800	.10	R.H. Thread Plya-Seal
RE3M6A	.1900	.969	.500	.407	2.031	2.516	1.313			3/8"-24	.3479–.3449	24	1/8"	900	.05	R.H. Thread
RE3M6-2N	.1900	.781	.437	.328	1.375	1.766	.750			3/8"-24	.3479–.3449	20	1/8"	800	.05	R.H. Thread
RE3ML6-2N	.1900	.781	.437	.328	1.375	1.766	.750			3/8"-24	.3479–.3449	20	1/8"	800	.05	L.H. Thread
RE4M6	.2500	.938	.593	.438	1.875	2.344	1.125			3/8"-24	.3479–.3449	22	5/32"	1300	.07	R.H. Thread
RE4ML6	.2500	.938	.593	.438	1.875	2.344	1.125			3/8"-24	.3479–.3449	22	5/32"	1300	.07	L.H. Thread
RE5M7	.3125	1.250	.870	.656	2.438	3.063	1.563			7/16"-20	.4050–.3980	26	3/16"	2200	.24	R.H. Thread Plya-Seal
RE5M10	.3125	1.250	.870	.656	2.438	3.063	1.563			5/8"-18	.5889–.5818	26	3/16"	2200	.24	R.H. Thread Plya-Seal
RA10M10	.6250	2.000	1.125	.938	2.750	3.750	1.500			5/8"-18	.5889–.5859	28	5/32"	5700	.71	R.H. Thread Plya-Seal
FEMALE THREAD																
REB3N	.1900	.781	.437	.328	1.375	1.766	.750	.438	.375	1/4"-28	.2298–.2268	20	1/8"	800	.05	Beaded Shank End R.H.
REB3N2	.1900	.781	.437	.328	1.375	1.766	.750	.438	.438	5/16"-24	.2884–.2854	20	1/8"	800	.06	Hex End R.H. Thread
RE3F4	.1900	.781	.500	.328	1.375	1.766	.750	.438	.375	1/4"-28	.2298–.2268	20	1/8"	800	.05	Beaded Shank End R.H.
RE3FL4	.1900	.781	.500	.328	1.375	1.766	.750	.438	.375	1/4"-28	.2298–.2268	20	1/8"	800	.05	Beaded Shank End L.H.
RE3FL4-3	.1900	.781	.437	.328	1.375	1.766	.750	.438	.375	1/4"-28	.2298–.2268	20	1/8"	800	.05	Beaded Shank End L.H.
RE4F5	.2500	.938	.593	.438	1.469	1.938	.750	.438	.438	5/16"-24	.2884–.2854	22	5/32"	1300	.07	Hex End R.H. Thread
RE4F7	.2500	.938	.593	.438	1.875	2.344	1.125	.625	.625	7/16"-20	.4080–.4050	22	5/32"	1300	.08	R.H. Thread
RE4FL7	.2500	.938	.593	.438	1.875	2.344	1.125	.625	.625	7/16"-20	.4080–.4050	22	5/32"	1300	.08	L.H. Thread
SOLID AND HOLLOW SHANK																
RE3H5	.1900	.781	.437	.328	1.375	1.766	.875		.435§	"I"	.272	20	1/8"	800	.06	Plain Shank—Hollow
RE4H6	.2500	.938	.593	.438	1.875	2.344	1.219		.625‡	"W"	.386	22	5/32"	1300	.12	Plain Shank—Hollow
RE4S10	.2500	.938	.593	.438	1.875	2.344			.625§			22	5/32"	1300	.16	Plain Shank—Solid

* Rigid Type—not alignable ‡ +.005–.005 § +.000–.002

fafnir ball bearings . . .

AIRCRAFT Type

BEARING NUMBER	BORE	O. D.	WIDTH INNER RING	WIDTH OUTER RING	O. D. INNER RING APPROX.	BALLS		REMARKS
	+.0000−.0005 (Except as noted)		+.000−.005 (Except as noted)			No.	Size	
K3L*	.1900	.6250	.245	.203	.280	10	1/8"	
KP3	.1900	.7774	.297	.270	.331	12	1/8"	
KP4	.2500	.9014	.484	.335	.390	11	5/32"	Full Type
KP5	.3125	1.2500	.558	.375	.469	9	1/4"	Plya-Seal
KP6	.3750	1.4375	.620	.469	.591	9	9/32"	Prelubricated
KP8	.5000	1.6875	.620	.500	.768	10	11/32"	
KP10	.6250	1.9375	.620	.500	.850	10	3/8"	
KP3A	.1900	.6250	.297	.234	.297	10	1/8"	
KP4A	.2500	.7500	.281	.219	.380	12	1/8"	
KP5A	.3125	.8125	.297	.234	.415	14	1/8"	
KP6A	.3750	.8750	.313	.250	.495	16	1/8"	Medium Duty
KP8A	.5000	1.1250	.375	.313	.616	16	5/32"	Full Type
KP10A	.6250	1.3750	.406	.344	.768	14	7/32"	Plya-Seal
KP12A	.7500	1.6250	.437	.375	.919	16	15/64"	Prelubricated
KP16A	1.0000	2.0000	.500	.438	1.241	19	1/4"	
KP20A	1.2500	2.2500	.500	.438	1.478	22	1/4"	
KP21B	1.3130**	2.0625**	.437	.375	1.454	28	3/16"	
KP23B	1.4380**	2.1875**	.437	.375	1.574	30	3/16"	Medium Duty
KP25B	1.5630**	2.3125**	.437	.375	1.693	32	3/16"	Torque Tube
KP29B	1.8130**	2.5625**	.437	.375	1.931	36	3/16"	Type
KP33B	2.0630**	2.8125**	.437	.375	2.231	41	3/16"	Full
KP37B	2.3130**	3.0625**	.437	.375	2.468	45	3/16"	Type
KP47B†	2.9380**	3.8750**	.531	.469	3.093	45	15/64"	Plya-Seal
KP49B†	3.0630**	4.0000**	.531	.469	3.222	44	1/4"	Prelubricated
FL3C3	.1905	.798**	.297	.234	.244	7	3/32"	
FL3C6	.1905**	1.2500	.484	.350	.330	5	.162	Fairlead Type
KS3	.1900	.7774	.297	.270	.342	12	1/8"	
KS3L	.1900	.6250	.245	.203	.257	13	3/32"	
KS4	.2500	.9014	.484	.335	.400	12	5/32"	Self-Aligning
KS5	.3125	1.2500	.558	.375	.562	13	3/16"	Metal Shield
KS6	.3750	1.4375	.620	.469	.612	13	7/32"	Prelubricated
KS8	.5000	1.6875	.620	.500	.792	16	7/32"	
KS10	.6250	1.9375	.813	.625	.917	14	9/32"	
DP3	.1900	.7774	.495	.473	.302	20	5/32"	
DP4	.2500	.9014	.620	.491	.410	22	5/32"	Heavy Duty
DP5	.3125	1.2500	.745	.687	.469	20	1/4"	Double Row
DP6	.3750	1.4375	.870	.794	.551	18	5/16"	Rigid Type
DP8	.5000	1.6875	.932	.856	.735	20	11/32"	Plya-Seal
DP10	.6250	1.9375	.995	.920	.890	24	11/32"	Prelubricated
DSP3	.1900	.7774	.500	.392	.304	24	1/8"	
DSP4	.2500	.9014	.687	.464	.430	30	1/8"	Double Row
DSP5	.3125	1.2500	.812	.656	.515	28	3/16"	Self-Aligning
DSP6	.3750	1.4375	.937	.750	.564	28	7/32"	Plya-Seal
DSP8	.5000	1.6875	1.000	.812	.775	30	1/4"	Prelubricated
DSP10	.6250	1.9375	1.125	.937	.869	30	9/32"	
B538	.6250[1]	1.0625**	.281	.250	.777	21	1/8"	
B539	.7500[1]	1.1875**	.281	.250	.895	24	1/8"	
B540	.8750[1]	1.3125**	.281	.250	1.016	27	1/8"	Light Duty
B541	1.0625[1]	1.5000**	.281	.250	1.216	32	1/8"	Torque Tube
B542	1.3125[1]	1.7500**	.281	.250	1.451	38	1/8"	Type
B543	1.5625[1]	2.0000**	.281	.250	1.702	44	1/8"	Unshielded
B544	1.8125‡	2.2500[2]	.281	.250	1.970	51	1/8"	Full Type
B545	2.0625‡	2.6250[2]	.281	.250	2.286	59	1/8"	
B546	2.3125‡	2.8750[2]	.281	.250	2.527	65	1/8"	
DW4	.2500	.7500	.875	.750	.435	14	9/64"	
DW4-2	.2500	.6250	.562	.500	.344	16	3/32"	Wide Double
DW5	.3125	.8750	.938	.813	.472	26	9/64"	Row, for Bell
DW6	.3750	1.0625	1.188	1.063	.576	24	3/16"	Crank Mountings
DW8	.5000	1.4375	1.500	1.375	.715	22	17/64"	(eliminates spacers)
K3L2	.1900	.6875	.245	.203	.280	10	1/8"	
K3L3	.1900	.6356	.245	.203	.280	10	1/8"	
KP3AR11-2	.1900	.718	.297	.265	.297	10	1/8"	
K3LR48	.1900	.6875	.245	.203	.280	10	1/8"	
KP4R16	.2500	.9014	.484	.335	.390	11	5/32"	Track Roller Type
KP4R16-2	.2500	1.000	.390	.335	.390	11	5/32"	
D7R6-2	.4375	1.2507	.625	.6007	.545	28	5/32"	
D7R48-3	.4375	1.2507	.630	.5707	.545	28	5/32"	
K8AR4	.5000	1.250	.344	.375	.610	16	5/32"	
DP8A3	.5000	1.2258	.625	.527	.610	32	5/32"	
G4Y17	.2500	1.032**	.625	.563	.410	12	5/32"	Push-Pull Tube Guide Bearing
Y64PWI(DB)	4.000**	5.12504	.6259	.6259	4.252	36	5/16"	Retainer Type
Y80PWI(DB)	5.000**	6.1250**	.6259	.6259	5.252	44	5/16"	Medium Duty
Y96PWI(DB)	6.000**	7.1250**	.6259	.6259	6.252	52	5/16"	Duplex (DB) Plya-Seal
BCP4W10	.2500	1.6253	.6250	.5007	.404	14	9/64"	Bell Crank
BCP5W11	.3125	1.6873	.6875	.5627	.453	14	.153	Type, Plya-Seal

* Metal Shield ** +.0000−.0010

† Also available with "Ball Separator" (Retainer) for use on ROTATIONAL applications. These are identified as K47BK and K49BK.

‡ +.0010−.0010

[1] +.0007−.0007

[2] +.0000−.0015

[3] Outside Flange Diameter +.010−.010

[4] +.0000−.0008

[5] +.000−.002

[6] +.000−.003

[7] +.005−.005

[8] +.000−.005

[9] Width for Duplex pair 2 x .625

MOUNTING DATA

SHAFT FITS

Extra-Small 30 and S Series

BASIC NUMBER	BEARING BORE		SHAFT ROTATING			SHAFT STATIONARY		
			SHAFT DIAMETER		MEAN FIT TIGHT	SHAFT DIAMETER		MEAN FIT LOOSE
	Max.	Min.	Max.	Min.		Max.	Min.	
33K3	.1250	.1247	.1252	.1250	.0002	.1248	.1245	.0002
33K4	.1250	.1247	.1252	.1250	.0002	.1248	.1245	.0002
33K5	.1875	.1872	.1877	.1875	.0002	.1873	.1870	.0002
34K	.1575	.1572	.1577	.1575	.0002	.1573	.1570	.0002
35K	.1969	.1966	.1971	.1969	.0002	.1967	.1964	.0002
36K	.2362	.2359	.2364	.2362	.0002	.2360	.2357	.0002
37K	.2756	.2753	.2758	.2755	.0002	.2754	.2750	.0003
38K	.3150	.3147	.3152	.3149	.0002	.3148	.3144	.0003
39K	.3543	.3540	.3545	.3542	.0002	.3541	.3537	.0003
S1K	.2500	.2497	.2502	.2499	.0002	.2498	.2494	.0002
S3K	.3750	.3747	.3752	.3749	.0002	.3748	.3744	.0003
S5K	.5000	.4997	.5002	.4999	.0002	.4998	.4993	.0003
S7K	.6250	.6247	.6252	.6249	.0002	.6248	.6243	.0003
S8K	.7500	.7496	.7504	.7501	.0005	.7497	.7492	.0004
S10K	1.0000	.9996	1.0004	1.0001	.0005	.9997	.9992	.0004
S12K	1.2500	1.2495	1.2505	1.2501	.0006	1.2496	1.2490	.0005

9100, 200, 300, 400, 7200, 7300, 7400, 5200, 5300, 5400 Series

BASIC NUMBER	BEARING BORE		SHAFT ROTATING			SHAFT STATIONARY		
			SHAFT DIAMETER		MEAN FIT TIGHT	SHAFT DIAMETER		MEAN FIT LOOSE
	Max.	Min.	Max.	Min.		Max.	Min.	
00	.3937	.3934	.3939	.3936	.0002	.3935	.3931	.0003
01	.4724	.4721	.4726	.4723	.0002	.4722	.4717	.0003
02	.5906	.5903	.5908	.5905	.0002	.5904	.5899	.0003
03	.6693	.6690	.6695	.6692	.0002	.6691	.6686	.0003
04	.7874	.7870	.7878	.7875	.0005	.7871	.7866	.0004
05	.9843	.9839	.9847	.9844	.0005	.9840	.9835	.0004
06	1.1811	1.1807	1.1815	1.1812	.0005	1.1808	1.1803	.0004
07	1.3780	1.3775	1.3785	1.3781	.0006	1.3776	1.3770	.0005
08	1.5748	1.5743	1.5753	1.5749	.0006	1.5744	1.5738	.0005
09	1.7717	1.7712	1.7722	1.7718	.0006	1.7713	1.7707	.0005
10	1.9685	1.9680	1.9690	1.9686	.0006	1.9681	1.9675	.0005
11	2.1654	2.1648	2.1660	2.1655	.0007	2.1650	2.1643	.0005
12	2.3622	2.3616	2.3628	2.3623	.0007	2.3618	2.3611	.0005
13	2.5591	2.5585	2.5597	2.5592	.0007	2.5587	2.5580	.0005
14	2.7559	2.7553	2.7565	2.7560	.0007	2.7555	2.7548	.0005
15	2.9528	2.9522	2.9534	2.9529	.0007	2.9524	2.9517	.0005
16	3.1496	3.1490	3.1502	3.1497	.0007	3.1492	3.1485	.0005
17	3.3465	3.3457	3.3472	3.3466	.0008	3.3460	3.3452	.0005
18	3.5433	3.5425	3.5440	3.5434	.0008	3.5428	3.5420	.0005
19	3.7402	3.7394	3.7409	3.7403	.0008	3.7397	3.7389	.0005
20	3.9370	3.9362	3.9377	3.9371	.0008	3.9365	3.9357	.0005
21	4.1339	4.1331	4.1346	4.1340	.0008	4.1334	4.1326	.0005
22	4.3307	4.3299	4.3314	4.3308	.0008	4.3302	4.3294	.0005

Extra-Large Series

BASIC NUMBER	BEARING BORE		SHAFT ROTATING			SHAFT STATIONARY		
			SHAFT DIAMETER		MEAN FIT TIGHT	SHAFT DIAMETER		MEAN FIT LOOSE
	Max.	Min.	Max.	Min.		Max.	Min.	
224	4.7244	4.7236	4.7251	4.7245	.0008	4.7239	4.7231	.0005
224W4	4.7500	4.7492	4.7507	4.7501	.0008	4.7495	4.7487	.0005
226W	5.1181	5.1171	5.1189	5.1182	.0010	5.1175	5.1166	.0006
228	5.5118	5.5108	5.5126	5.5119	.0010	5.5112	5.5103	.0006
130W, 230W, 330W	5.9055	5.9045	5.9063	5.9056	.0010	5.9049	5.9040	.0006
134W	6.6929	6.6919	6.6937	6.6930	.0010	6.6923	6.6914	.0006
136W, 236W2	7.0866	7.0856	7.0874	7.0867	.0010	7.0860	7.0851	.0006
138W	7.4803	7.4791	7.4813	7.4805	.0012	7.4797	7.4786	.0006
240WI-2	8.0000	7.9988	8.0010	8.0002	.0012	7.9994	7.9983	.0006
244WI-2	8.4646	8.4634	8.4656	8.4648	.0012	8.4640	8.4629	.0006
266K2	13.0000	12.9984	13.0012	13.0002	.0015	12.9993	12.9979	.0006
276K2	15.0000	14.9984	15.0012	15.0002	.0015	14.9993	14.9979	.0006

HOUSING FITS

9100, 200, 300, 400, 7200, 7300, 7200, 5200, 5300, 5400, Extra-Large Series

BASIC NUMBER				BEARING O.D.		HOUSING STATIONARY			HOUSING ROTATING		
						HOUSING BORE		MEAN FIT LOOSE	HOUSING BORE		MEAN FIT TIGHT
EXTRA LIGHT	LIGHT	MEDIUM	HEAVY	Max.	Min.	Min.	Max.		Min.	Max.	
9100				1.0236	1.0232	1.0236	1.0241	.0004	1.0228	1.0236	.0002
9101				1.1024	1.1020	1.1024	1.1029	.0004	1.1016	1.1024	.0002
	200			1.1811	1.1807	1.1811	1.1816	.0004	1.1803	1.1811	.0002
9102	201			1.2598	1.2593	1.2598	1.2604	.0005	1.2588	1.2598	.0003
9103	202	300		1.3780	1.3775	1.3780	1.3786	.0005	1.3770	1.3780	.0003
		301		1.4567	1.4562	1.4567	1.4573	.0005	1.4557	1.4567	.0003
	203			1.5748	1.5743	1.5748	1.5754	.0005	1.5738	1.5748	.0003
9104		302		1.6535	1.6530	1.6535	1.6541	.0005	1.6525	1.6535	.0003
9105	204	303		1.8504	1.8499	1.8504	1.8510	.0005	1.8494	1.8504	.0003
	205	304		2.0472	2.0467	2.0472	2.0479	.0006	2.0460	2.0472	.0003
9106				2.1654	2.1649	2.1654	2.1661	.0006	2.1642	2.1654	.0003
9506				2.0472	2.0467	2.0472	2.0479	.0006	2.0460	2.0472	.0003
9107	206	305	403	2.4409	2.4404	2.4409	2.4416	.0006	2.4397	2.4409	.0003
9108				2.6772	2.6767	2.6772	2.6779	.0006	2.6760	2.6772	.0003
	207	306	404	2.8346	2.8341	2.8346	2.8353	.0006	2.8334	2.8346	.0003
9109				2.9528	2.9523	2.9528	2.9535	.0006	2.9516	2.9528	.0003
9110	208	307	405	3.1496	3.1491	3.1496	3.1503	.0006	3.1484	3.1496	.0003
	209			3.3465	3.3459	3.3465	3.3474	.0008	3.3451	3.3465	.0004
9111	210	308	406	3.5433	3.5427	3.5433	3.5442	.0008	3.5419	3.5433	.0004
9112				3.7402	3.7396	3.7402	3.7411	.0008	3.7388	3.7402	.0004
9113	211	309	407	3.9370	3.9364	3.9370	3.9379	.0008	3.9356	3.9370	.0004
9114	212	310	408	4.3307	4.3301	4.3307	4.3316	.0008	4.3293	4.3307	.0004
	213	311	409	4.7244	4.7238	4.7244	4.7253	.0008	4.7230	4.7244	.0004
	214			4.9213	4.9205	4.9213	4.9223	.0009	4.9197	4.9213	.0004
9117	215	312	410	5.1181	5.1173	5.1181	5.1191	.0009	5.1165	5.1181	.0004
9118	216	313	411	5.5118	5.5110	5.5118	5.5128	.0009	5.5102	5.5118	.0004
9120	217	314	412	5.9055	5.9047	5.9055	5.9065	.0009	5.9039	5.9055	.0004
120	218	315		6.2992	6.2982	6.2992	6.3002	.0009	6.2976	6.2992	.0003
9121			413	6.2992	6.2982	6.2992	6.3002	.0009	6.2976	6.2992	.0003
9122	219	316		6.6929	6.6919	6.6929	6.6939	.0009	6.6913	6.6929	.0003
122				6.8898	6.8888	6.8898	6.8908	.0009	6.8882	6.8898	.0003
9124	220	317	414	7.0866	7.0856	7.0866	7.0876	.0009	7.0850	7.0866	.0003
124	221	318	415	7.4803	7.4791	7.4803	7.4814	.0012	7.4785	7.4803	.0003
9126	222	319	416	7.8740	7.8728	7.8740	7.8751	.0012	7.8722	7.8740	.0003
126				8.0709	8.0697	8.0709	8.0720	.0012	8.0691	8.0709	.0003
9128			417	8.2677	8.2665	8.2677	8.2688	.0012	8.2659	8.2677	.0003
	224	320		8.4646	8.4634	8.4646	8.4657	.0012	8.4628	8.4646	.0003
128				8.6614	8.6602	8.6614	8.6625	.0012	8.6596	8.6614	.0003
9130		321	418	8.8583	8.8571	8.8583	8.8594	.0012	8.8565	8.8583	.0003
	226			9.0551	9.0539	9.0551	9.0562	.0012	9.0533	9.0551	.0003
130				9.2520	9.2508	9.2520	9.2531	.0012	9.2502	9.2520	.0003
9132		322		9.4488	9.4476	9.4488	9.4499	.0012	9.4470	9.4488	.0003
132	228		419	9.8425	9.8413	9.8425	9.8436	.0012	9.8407	9.8425	.0003
9134		324		10.2362	10.2348	10.2362	10.2375	.0014	10.2342	10.2362	.0003
134				10.4331	10.4317	10.4331	10.4344	.0014	10.4311	10.4331	.0003
9136	230			10.6299	10.6285	10.6299	10.6312	.0014	10.6279	10.6299	.0003
136		326		11.0236	11.0222	11.0236	11.0249	.0014	11.0216	11.0236	.0003
9138	236			11.4173	11.4159	11.4173	11.4186	.0014	11.4153	11.4173	.0003
138		328		11.8110	11.8096	11.8110	11.8123	.0014	11.8090	11.8110	.0003
146K2				12.0000	11.9986	12.0000	12.0013	.0014	11.9980	12.0000	.0003
9140				12.2047	12.2033	12.2047	12.2060	.0014	12.2027	12.2047	.0003
		330		12.5984	12.5968	12.5984	12.5998	.0015	12.5962	12.5984	.0003
	244			12.7953	12.7937	12.7953	12.7967	.0015	12.7931	12.7953	.0003
	240WI-2 / 240WI-3			13.0000	12.9984	13.0000	13.0014	.0015	12.9978	13.0000	.0003
	266-2			17.0000	16.9982	17.0000	17.0016	.0017	16.9975	17.0000	.0003
	276-2			19.0000	18.9982	19.0000	19.0016	.0017	18.9975	19.0000	.0003

MOUNTING DATA

HOUSING FITS

Extra-Small Series

BASIC NUMBER	BEARING OUTSIDE DIAMETER		HOUSING STATIONARY			HOUSING ROTATING		
			HOUSING BORE		MEAN FIT LOOSE	HOUSING BORE		MEAN FIT TIGHT
	Max.	Min.	Min.	Max.		Min.	Max.	
34K	.6299	.6295	.6299	.6303	.0004	.6292	.6299	.0002
35K	.7480	.7476	.7480	.7485	.0004	.7472	.7480	.0002
36K	.7480	.7476	.7480	.7485	.0004	.7472	.7480	.0002
37K	.8661	.8657	.8661	.8666	.0004	.8653	.8661	.0002
38K	.8661	.8657	.8661	.8666	.0004	.8653	.8661	.0002
38KV	.9449	.9445	.9449	.9454	.0004	.9441	.9449	.0002
39K	1.0236	1.0232	1.0236	1.0241	.0004	1.0228	1.0236	.0002
33K3	.3750	.3746	.3750	.3754	.0004	.3743	.3750	.0002
33K4	.5000	.4996	.5000	.5004	.0004	.4993	.5000	.0002
33K5	.5000	.4996	.5000	.5004	.0004	.4993	.5000	.0002
S1K7	.6250	.6246	.6250	.6254	.0004	.6243	.6250	.0002
S1K	.7500	.7496	.7500	.7505	.0004	.7492	.7500	.0002
S3K	.8750	.8746	.8750	.8755	.0004	.8742	.8750	.0002
S5K	1.1250	1.1246	1.1250	1.1255	.0004	1.1242	1.1250	.0002
S7K	1.3750	1.3745	1.3750	1.3756	.0005	1.3740	1.3750	.0003
S8K	1.6250	1.6245	1.6250	1.6256	.0005	1.6240	1.6250	.0003
S10K	2.0000	1.9995	2.0000	2.0007	.0006	1.9988	2.0000	.0003
S12K	2.2500	2.2495	2.2500	2.2507	.0006	2.2488	2.2500	.0003

SHOULDER DIAMETERS

Extra-Small Series

EXTRA SMALL SERIES

BASIC NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER	
	Max.	Min.	Max.	Min.
34K	.26	.25	.56	.55
35K	.37	.36	.67	.66
36K	.37	.36	.67	.66
37K	.44	.42	.79	.77
38K	.45	.43	.79	.77
38KV	.45	.43	.79	.77
39K	.51	.49	.91	.89
33K3	.20	.19	.32	.31
33K4	.24	.23	.44	.43
33K5	.26	.25	.44	.43
S1K7	.34	.32	.56	.54
S1K	.37	.35	.69	.67
S3K	.50	.48	.80	.78
S5K	.63	.61	.99	.97
S7K	.84	.80	1.24	1.20
S8K	.97	.93	1.46	1.40
S10K	1.24	1.20	1.84	1.80
S11K	1.34	1.30	1.95	1.91
S12K	1.55	1.51	2.20	2.00

Extra-Light Series

EXTRA LIGHT (9100) SERIES

BEARING NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER	
	Max.	Min.	Max.	Min.
9100	.52	.47	.95	.91
9101	.71	.55	1.02	.97
9102	.75	.67	1.18	1.11
9103	.81	.75	1.30	1.23
9104	.98	.89	1.46	1.44
9105	1.18	1.08	1.65	1.62
9106	1.38	1.34	1.92	1.90
9107	1.63	1.53	2.21	2.19
9108	1.81	1.73	2.44	2.42
9109	2.03	1.94	2.72	2.69
9110	2.22	2.13	2.91	2.90
9111	2.48	2.33	3.27	3.22
9112	2.67	2.53	3.47	3.43
9113	2.84	2.72	3.66	3.65
9114	3.11	2.91	4.06	3.97
9115	3.31	3.11	4.25	4.16
9116	3.56	3.31	4.65	4.50
9117	3.75	3.50	4.84	4.71
9118	4.03	3.84	5.16	5.13
9120	4.38	4.23	5.55	5.44
9121	4.66	4.53	5.91	5.75
9122	4.91	4.73	6.30	6.18
9124	5.28	5.12	6.69	6.50
9126	5.81	5.51	7.48	7.16
9130	6.59	6.38	8.39	8.13
9134	7.56	7.17	9.76	9.34
9138	8.38	7.95	10.95	10.50
9140	8.84	8.35	11.73	11.22
9506	1.38	1.31	1.91	1.84

SHOULDER DIAMETERS

200
300
400
Series

LIGHT (200) SERIES					MEDIUM (300) SERIES					HEAVY (400) SERIES				
BASIC NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER		BASIC NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER		BASIC NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER	
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.
200	.56	.50	.98	.97	**300**	.59	.50	1.18	1.15	**403**	1.06	.95	2.17	2.03
201	.64	.58	1.06	1.05	**301**	.69	.63	1.22	1.21	**404**	1.25	1.06	2.56	2.50
202	.75	.69	1.18	1.15	**302**	.81	.75	1.42	1.40	**405**	1.47	1.34	2.80	2.63
203	.84	.77	1.37	1.34	**303**	.91	.83	1.61	1.60	**406**	1.72	1.54	3.19	3.00
204	1.00	.94	1.61	1.60	**304**	1.06	.94	1.77	1.75	**407**	1.93	1.73	3.58	3.38
205	1.22	1.14	1.81	1.80	**305**	1.31	1.14	2.17	2.09	**408**	2.19	1.97	3.94	3.69
206	1.47	1.34	2.21	2.16	**306**	1.56	1.34	2.56	2.44	**409**	2.44	2.17	4.33	4.00
207	1.72	1.53	2.56	2.47	**307**	1.78	1.69	2.80	2.72	**410**	2.69	2.44	4.65	4.38
208	1.94	1.73	2.87	2.78	**308**	2.00	1.93	3.19	3.06	**411**	2.93	2.64	5.04	4.75
209	2.13	1.94	3.07	2.97	**309**	2.28	2.13	3.58	3.41	**412**	3.19	2.84	5.43	5.13
210	2.34	2.13	3.27	3.19	**310**	2.50	2.36	3.94	3.75	**413**	3.50	3.03	5.83	5.50
211	2.54	2.41	3.68	3.56	**311**	2.75	2.56	4.33	4.13	**414**	3.69	3.31	6.54	6.13
212	2.81	2.67	3.98	3.87	**312**	2.94	2.84	4.65	4.44	**415**	3.93	3.50	6.93	6.44
213	3.03	2.86	4.37	4.19	**313**	3.19	3.03	5.04	4.81	**416**	4.13	3.70	7.32	6.81
214	3.22	3.06	4.57	4.41	**314**	3.44	3.23	5.43	5.13	**417**	4.44	4.06	7.56	7.13
215	3.44	3.25	4.76	4.59	**315**	3.88	3.43	5.83	5.50	**418**	4.69	4.25	8.15	7.75
216	3.69	3.55	5.12	4.93	**316**	3.94	3.62	6.22	5.88					
217	3.88	3.75	5.51	5.31	**317**	4.13	3.90	6.54	6.19					
218	4.16	3.94	5.91	5.62	**318**	4.38	4.09	6.93	6.50					
219	4.38	4.22	6.22	6.06	**319**	4.63	4.29	7.32	6.88					
220	4.63	4.41	6.61	6.31	**320**	4.88	4.49	7.91	7.38					
221	4.88	4.61	7.01	6.88	**321**	5.13	4.69	8.31	7.75					
222	5.13	4.80	7.40	7.06	**322**	5.50	4.88	8.90	8.25					
224	5.63	5.20	7.99	7.56	**324**	6.00	5.28	9.69	8.93					
226	6.00	5.67	8.50	8.13	**326**	6.44	5.83	10.32	9.69					
228	6.50	6.06	9.29	8.81	**328**	6.93	6.22	11.10	10.38					
230	6.97	6.46	10.08	9.50	**330**	7.44	6.61	11.89	11.06					

Extra-Large Series and Mechani-Seal Type

NON-STANDARD EXTRA LARGE SERIES

BASIC NUMBER	SHAFT SHOULDER DIAMETER		HOUSING SHOULDER DIAMETER	
	Max.	Min.	Max.	Min.
120W2	4.63	4.40	5.91	5.75
122W	4.91	4.73	6.41	6.25
124W	5.28	5.12	7.01	6.87
126W	5.82	5.50	7.60	7.31
128W	6.19	5.91	8.18	7.96
130W	6.59	6.38	8.78	8.51
132W	7.44	6.85	9.24	8.81
134W	7.52	7.29	9.83	9.61
136W	8.00	7.69	10.42	10.15
138W	8.44	8.08	11.21	10.87
146K2	9.70	9.50	11.50	11.30
224W4	5.63	5.21	8.00	7.56
236W2	8.32	7.80	10.70	10.53
266-2	13.83	13.75	16.25	16.17
276-2	15.82	15.75	18.25	18.17

MECHANI-SEAL KL-KLD-KLL TYPES

BASIC NUMBER	HOUSING SHOULDER DIAMETER	
	Max.	Min.
36	.67	.66
36V	.67	.66
37	.79	.77
37V	.79	.77
38	.79	.77
38V	.79	.77
39	.91	.89
39V	.91	.89
200	1.09	1.03
201	1.16	1.09
201-3	1.16	1.09
202	1.28	1.22
202-3	1.28	1.22
203	1.44	1.41
204	1.72	1.62
205	1.91	1.84
206	2.28	2.22
207	2.66	2.53
208	2.97	2.81
209	3.16	3.03
211	3.69	3.56

fafnir

WIDE INNER RING BEARINGS and BALL BEARING POWER TRANSMISSION UNITS

TYPES

This general type of bearing is incorporated in all Fafnir Ball Bearing Power Transmission Units, as well as being used for machine applications. These bearings are made in two general types—the Rigid ("A" type) and Self-Aligning ("B" type). The Rigid Type has a straight surface on the outside diameter for mounting in straight-bored housings. The Self-Aligning type has a spherical surface on the outside diameter for mounting in a housing with a corresponding spherical seat. This type is designed to compensate for shaft or housing misalignment in any direction due to set-up. Both types can be furnished with various types of sealing arrangements as shown on the following pages.

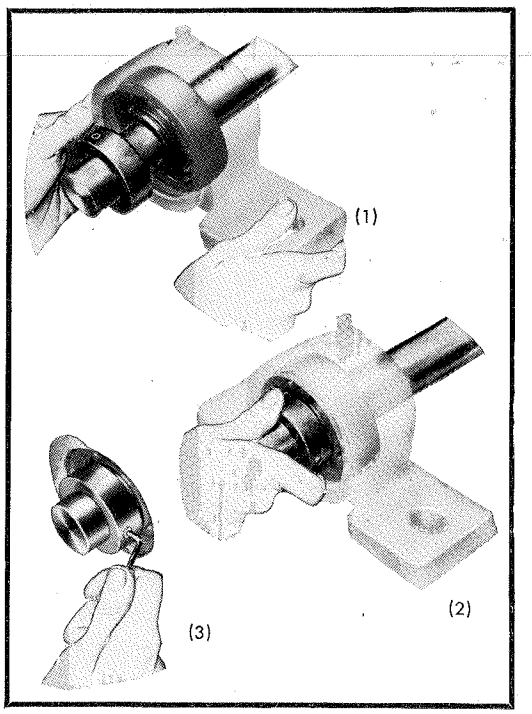
MOUNTING

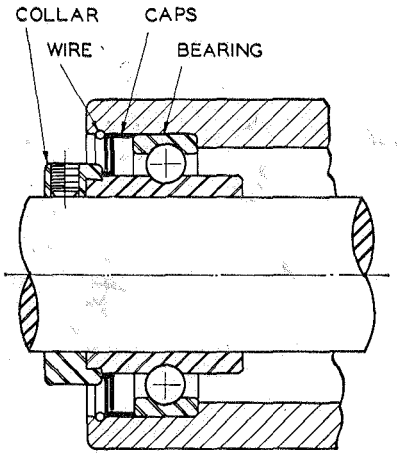
There are only three easy steps to follow when mounting Fafnir Wide Inner Ring Bearings and Power Transmission Units.

1. Slip the bearing and collar on the shaft.

2. Turn collar in direction of shaft rotation until its cam drops over the cam on the inner ring. Continue turning until the two cams engage and securely lock the bearing to the shaft.

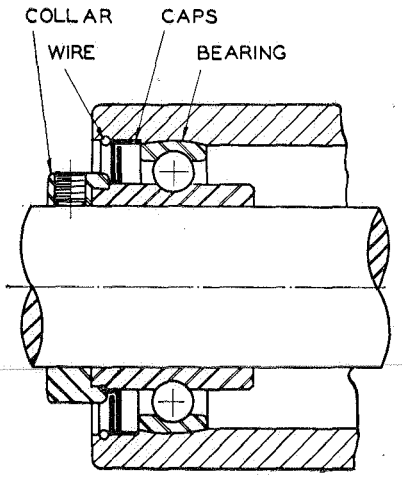
3. Tighten the set-screw in the collar as a precautionary measure to hold the collar in the locked position. (IMPORTANT: When mounting a Wide Inner Ring Bearing which is incorporated in any one of the types of pillow blocks, or cartridges, be sure to fasten the unit securely to its base *before* tightening the self-locking collar.)





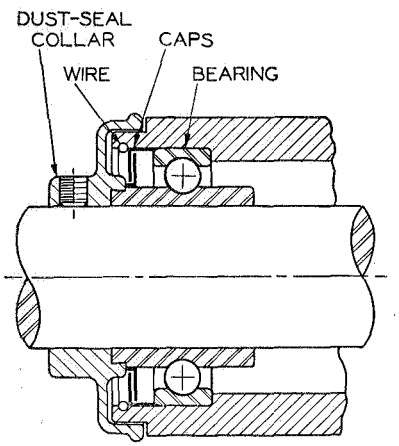
A Type
(Fig. 1)

Figure 1 shows a "Machine Unit" with an "A" type bearing carrying the designation MUA (Standard Series) and MUOA (Heavy Series). It consists of a Wide Inner Ring Bearing, Collar, Caps, and Wire. The "caps" are two steel members which comprise the frictionless labyrinth seal. The inner member is pressed on the outside diameter of the inner ring and rotates with it. The outer member is pressed in the housing against the face of the outer ring and is held in place by the round snap wire.



B Type
(Fig. 2)

Figure 2 is the same as Figure 1 except that the bearing is "B" type. The designation for the "Machine Unit" is MUB (Standard Series) and MUOB (Heavy Series). The housing is machined with a spherical seat to fit the spherical outside diameter of the bearing, and two slots are milled diametrically opposite each other in the housing so the bearing can be inserted at right angles and swiveled into position. No additional shoulders or snap rings are required to locate this type.



Mounting with Dust-Seal Collar
(Fig. 3)

Figure 3 shows a "Machine Unit" plus an external rotating slinger that is made integral with the locking collar. This is called a "Dust-Seal Collar" and is very effective on unusually dirty applications because dust and dirt are thrown off by centrifugal action. This dust-seal collar is applicable to all "A" or "B" type machine units in standard or heavy series. Machine units equipped with dust-seal collars are designated as MUAD, MUOAD, MUBD and MUOBD, depending upon the series and type of bearing required.

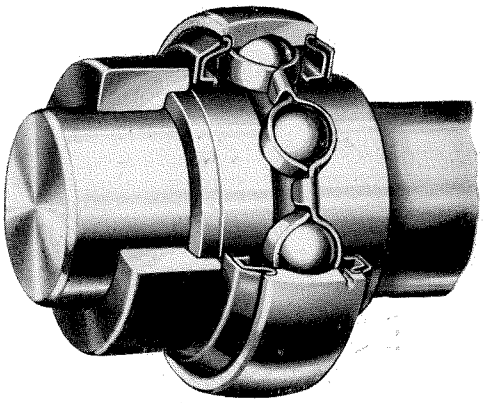
WIDE INNER RING TYPE

A more recent exclusive development by Fafnir is the application of the Mechani-Seal to Wide Inner Ring Bearings and Power Transmission Units.

The Mechani-Seal is made up of two "dished" steel plates. The inner member is fixed securely in the outer ring of the bearing, and provides an ample grease chamber plus effective grease retention. The outer member is pressed on the outside diameter of the inner ring so there is close running clearance between the two seal members. This outer member rotates with the inner ring, and acts as a slinger to throw off dust and dirt that come in contact with it. Because the seal is frictionless, it cannot wear, yet it allows the bearing to "breathe" and relieve itself of excess grease in the event of over-lubrication.

As shown in the tables on the following pages, these are available in seven types, namely "KL" and "KLB" Types (Single Seal), "KLL" and "N-KLL" Types (Double Seal—no provision for relubrication), "G-KLL" Type (Double Seal—straight outer ring—provision for relubrication), "G-KLLB" and "GN-KLLB" Types (Double Seal, spherical O.D., provision for relubrication).

As listed in the table below, Fafnir Wide Inner Ring Bearings are incorporated in a complete line of Power Transmission Units.

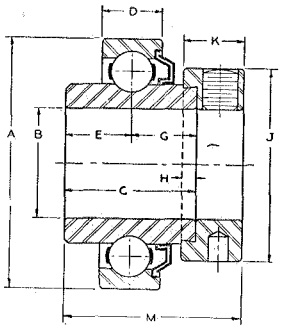


Fafnir Wide Inner Ring Ball Bearing with Self-Locking Collar

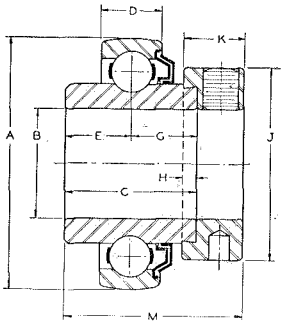
BEARING TYPE	PAGE	UNITS IN WHICH USED
Mechani-Seal, KL, and G-KLLB Types	34, 35	LAK, LAS, LCJ, LC, LTU, DRN Flangette
Mechani-Seal, GN-KLLB Types	35	LAO, LCJO
Standard, SM1000 Series	36	MU-A, MU-B, SA, DSA, C, TU, F, SCS. SAL (takes PSM1000S Series)
Heavy, SMN000 Series	37	MUO-A, MUO-B, SAO, DSAO, CO, MC. SAOL (takes PSMN000S Series)

fafnir ball bearings . . .

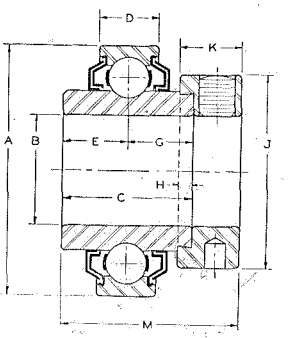
KL and KLL Types



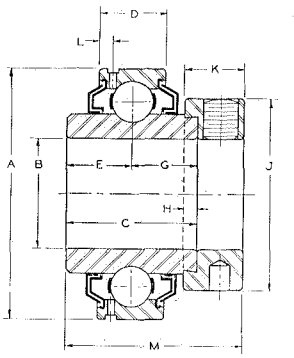
KL Type
Single Seal



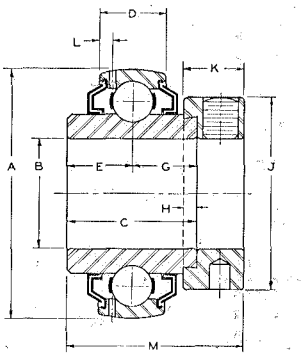
KLB Type
Single Seal



KLL Type
Double Seal



G-KLL Type
Double Seal



G-KLLB Type
Double Seal

With Provision for Relubrication

BEARING DIMENSIONS

* BEARING NUMBER		COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER		C INNER RING WIDTH Inches	D OUTER RING WIDTH		INCHES				
Single Seal	Double Seal				MM	Inches		MM	Inches	E & G	H	J	K	M
1008KL (KLB) **1010KL (KLB)** **1011KL (KLB)**	**1008KLL** **1010KLL** **1011KLL**	**S1008K** **S1010K** **S1011K**	203	½ ⅝ 11/16	40	1.5748	1 3/32	12	.4724	35/64	5/32	1 3/16	1 7/32	1 15/32
1012KL (KLB)	**1012KLL**	**S1012H**	204	¾	47	1.8504	1 11/32	14	.5512	43/64	5/32	1 5/16	1 7/32	1 23/32
1014KL (KLB) **1015KL (KLB)** **1100KL (KLB)**	**1014KLL** **1015KLL** **1100KLL**	**S1014K** **S1015K** **S1100K**	205	⅞ 15/16 1	52	2.0472	1 3/8	15	.5906	1 1/16	5/32	1 1/2	1 7/32	1 ¾
1102KL (KLB) **1103KL (KLB)**	**1102KLL** **1103KLL**	**S1102K** **S1103K**	206	1 1/8 1 3/16	62	2.4409	1 7/16	16	.6299	23/32	5/32	1 ¾	⅝	1 29/32
1104KL (KLB) **1107KL (KLB)**	**1104KLL** **1105KLL** **1107KLL**	**S1104K** **S1105K** **S1107K**	207	1 ¼ 1 5/16 1 7/16	72	2.8346	1 31/64	17	.6693	.742	5/32	2 3/16	1 1/16	2 1/64
1108KL (KLB)	**1108KLL**	**S1108KT**	208	1 ½	80	3.1496	1 11/16	18	.7037	27/32	3/16	2 ⅜	23/32	2 7/32
1110KL (KLB) **1111KL (KLB)** **1112KL (KLB)**	**1111KLL** **1112KLL**	**S1110K** **S1111K** **S1112K**	209	1 ⅝ 1 11/16 1 ¾	85	3.3465	1 11/16	19	.7480	27/32	3/16	2 ½	23/32	2 7/32
1115KL (KLB)	**1115KLL**	**S1115K**	210	1 15/16	90	3.5433	1 15/16	20	.7874	31/32	3/16	2 ¾	23/32	2 15/32
1203KL (KLB)	**1203KLL**	**S1203K**	211	2 3/16	100	3.9370	2 3/16	21	.8268	1 3/32	3/16	3	1 3/16	2 11/16
1207KL (KLB)		**S1207K**	212	2 7/16	110	4.3307	2 7/16	22	.8661	1 7/32	¼	3 5/16	⅞	3 1/16

* Complete bearing number appears on seal only. Intermediate sizes available on special order.
When ordering specify number followed by "and collar". Example: 1015KLL and collar.

WIDE INNER RING (MECHANI-SEAL) TYPE

BEARING DIMENSIONS

G-KLL and G-KLLB Types

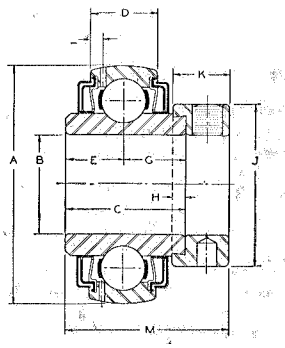
(See preceding page for illustrations)

* BEARING NUMBER		COLLAR NUMBER	Basic Outer Ring Size	B BORE Inches	A OUTSIDE DIAMETER		C INNER RING WIDTH Inches	D OUTER RING WIDTH		INCHES					
G-KLL Type	G-KLLB Type				MM	Inches		MM	Inches	E & G	H	J	K	L	M
	G1008KLLB	S1008K		1/2											
	G1009KLLB	S1009K		9/16											
	G1010KLLB	S1010K	G203	5/8	40	1.5748	1 3/32	12	.4724	35/64	5/32	1 3/16	17/32	.107	1 15/32
G1011KLL	G1011KLLB	S1011K		11/16											
G1012KLL	G1012KLLB	S1012H	G204	3/4	47	1.8504	1 11/32	14	.5512	43/64	5/32	1 5/16	17/32	.135	1 23/32
	G1013KLLB	S1013K		13/16											
G1014KLL	G1014KLLB	S1014K	G205	7/8	52	2.0472	1 3/8	15	.5906	11/16	5/32	1 1/2	17/32	.152	1 3/4
G1015KLL	G1015KLLB	S1015K		15/16											
G1100KLL	G1100KLLB	S1100K		1											
G1101KLL	G1101KLLB	S1101K		1 1/16											
G1102KLL	G1102KLLB	S1102K	G206	1 1/8	62	2.4409	1 7/16	18	.7087	23/32	5/32	1 3/4	5/8	.156	1 29/32
G1103KLL	G1103KLLB	S1103K		1 3/16											
G1104KLL	G1104KLLB	S1104K		1 1/4											
	G1105KLLB	S1105K	G207	1 5/16	72	2.8346	1 31/64	19	.7480	.742	5/32	2 3/16	11/16	.135	2 1/64
G1106KLL	G1106KLLB	S1106K		1 3/8											
G1107KLL	G1107KLLB	S1107K		1 7/16											
G1108KLL	G1108KLLB	S1108KT	G208	1 1/2	80	3.1496	1 11/16	21	.8268	27/32	3/16	2 3/8	23/32	.160	2 7/32
	G1109KLLB	S1109KT		1 9/16											
G1110KLL	G1110KLLB	S1110K		1 5/8											
G1111KLL	G1111KLLB	S1111K	G209	1 11/16	85	3.3465	1 11/16	22	.8661	27/32	3/16	2 1/2	23/32	.179	2 7/32
G1112KLL	G1112KLLB	S1112K		1 3/4											
	G1113KLLB	S1113K		1 13/16											
	G1114KLLB	S1114K	G210	1 7/8	90	3.5433	1 15/16	23	.9055	31/32	3/16	2 3/4	23/32	.185	2 15/32
G1115KLL	G1115KLLB	S1115K		1 15/16											
G1200KLL	G1200KLLB	S1200K		2											
	G1201KLLB	S1201K	G211	2 1/16	100	3.9370	2 3/16	25	.9843	1 3/32	3/16	3	13/16	.197	2 13/16
	G1202KLLB	S1202K		2 1/8											
G1203KLL	G1203KLLB	S1203K		2 3/16											
	G1204KLLB	S1204K		2 1/4											
	G1205KLLB	S1205K	G212	2 5/16	110	4.3307	2 7/16	27	1.0630	1 7/32	1/4	3 5/16	7/8	.202	3 1/16
	G1206KLLB	S1206K		2 3/8											
	G1207KLLB	S1207K		2 7/16											

* Complete bearing number appears on seal only. Intermediate sizes available on special order. When ordering specify number followed by "and collar". Example: G1107KLL and collar.

BEARING DIMENSIONS

N-KLL and GN-KLLB Types HEAVY Series



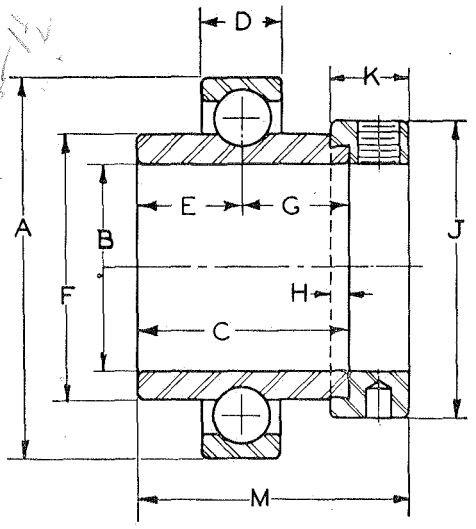
BEARING NUMBER		COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER		INNER RING WIDTH Inches	D OUTER RING WIDTH				INCHES					
N-KLL *	GN-KLLB				MM	Inches		N-KLL MM	Inches	GN-KLLB MM	Inches	E	G	H	J	K	L	M
N103KLL	GN103KLLB	SN103K	306	13/16	72	2.8346	1 7/16	19	.7480	20	.7874	11/16	3/4	5/32	1 15/16	11/16	.142	1 31/32
N107KLL	GN107KLLB	SN107K	307	1 7/16	80	3.1496	1 1/2	21	.8260	22	.8661	23/32	25/32	5/32	2 3/16	11/16	.156	2 1/32
	GN108KLLB	SN108K	308	1 1/2	90	3.5433	1 3/8			25	.9843	25/32	27/32	3/16	2 1/2	13/16	.182	2 1/4
	GN109KLLB	SN109K	308	1 9/16														
N110KLL		SN110K	309	1 5/8	100	3.9370	1 11/16	25	.9843	27	1.0630	25/32	29/32	3/16	2 3/4	13/16	.189	2 5/16
	GN111KLLB	SN111K	309	1 11/16														
	GN115KLLB	SN115K	310	1 15/16	110	4.3307	1 15/16			29	1.1417	31/32	31/32	3/16	3	7/8	.203	2 5/8
N200KLL		SN200K	311	2	120	4.7244	2 3/16	29	1.1417	31	1.2205	1 3/32	1 3/32	3/16	3 1/4	7/8	.216	2 7/8
	GN203KLLB	SN203K	311	2 3/16														
N207KLL	GN207KLLB	SN207K	312	2 7/16	130	5.1181	2 7/16	31	1.2205	33	1.2992	1 7/32	1 7/32	1/4	3 1/2	2 15/16	.230	3 1/8
	GN211KLLB	SN211K	314	2 11/16	150	5.9055	2 11/16			37	1.4567	1 11/32	1 11/32	1/4	4	1 1/16	.265	3 1/2
	GN215KLLB	SN215K	315	2 15/16	160	6.2992	2 15/16			39	1.5354	1 13/32	1 15/32	1/4	4 7/16	1 1/4	.255	3 15/16

* Non-Relubricatable "A" Type Bearing.

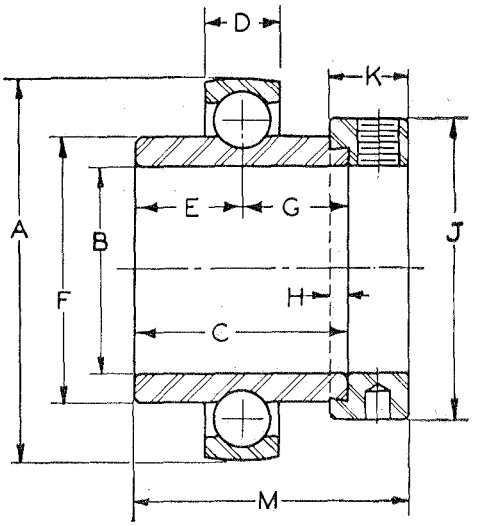
These bearings, except N107KLL and GN107KLLB, are available with felt inserts in seals. Add suffix letter "F" to complete Bearing number, viz. GN103KLLBF.

fafnir ball bearings . . .

STANDARD
SM Series
A and B Types



A Type



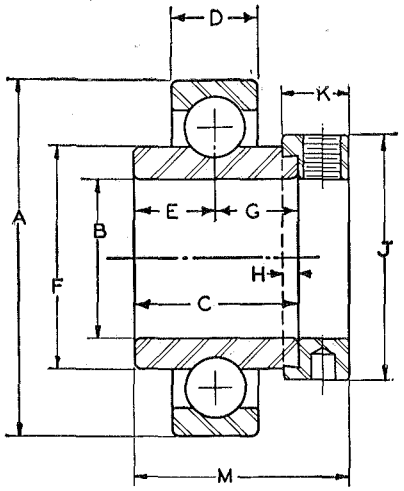
B Type

BEARING DIMENSIONS

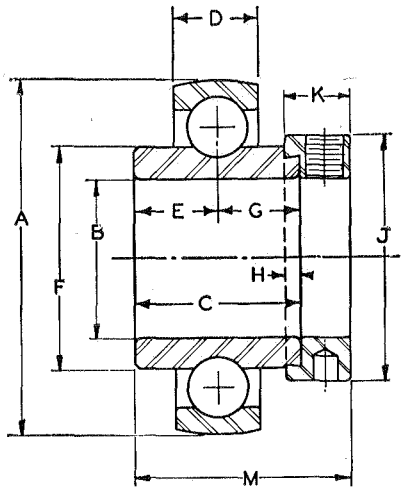
BEARING NUMBER		COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER		C INNER RING WIDTH	D OUTER RING WIDTH		INCHES					
A Type	B Type				MM	Inches	Inches	MM	Inches	E & G	F	H	J	K	M
*SM1008K	SM1008KB	S1008K	203	1/2 9/16 5/8 11/16	40	1.5748	1 3/32	12	.4724	35/64	.900	5/32	1 3/16	1 7/32	1 15/32
SM1009K	SM1009KB	S1009K													
*SM1010K	SM1010KB	S1010K													
SM1011K	SM1011KB	S1011K													
*SM1012K	SM1012KB	S1012H	204	3/4	47	1.8504	1 11/32	14	.5512	43/64	1.096	5/32	1 5/16	1 7/32	1 23/32
SM1013K	SM1013KB	S1013K	205	13/16 7/8 15/16 1	52	2.0472	1 3/8	15	.5906	11/16	1.293	5/32	1 1/2	1 7/32	1 3/4
SM1014K	SM1014KB	S1014K													
*SM1015K	SM1015KB	S1015K													
*SM1100K	SM1100KB	S1100K													
SM1101K	SM1101KB	S1101K	206	1 1/16 1 1/8 1 3/16	62	2.4409	1 7/16	16	.6299	23/32	1.540	5/32	1 3/4	5/8	1 29/32
SM1102K	SM1102KB	S1102K													
*SM1103K	SM1103KB	S1103K													
*SM1104K	SM1104KB	S1104K	207	1 1/4 1 5/16 1 3/8 1 7/16	72	2.8346	1 31/64	17	.6693	0.742	1.816	5/32	2 3/16	1 1/16	2 1/64
SM1105K	SM1105KB	S1105K													
SM1106K	SM1106KB	S1106K													
*SM1107K	SM1107KB	S1107K													
*SM1108KT	SM1108KTB	S1108KT	208	1 1/2 1 9/16	80	3.1496	1 11/16	18	.7087	27/32	2.058	3/16	2 3/8	23/32	2 7/32
SM1109KT	SM1109KTB	S1109KT													
SM1110K	SM1110KB	S1110K	209	1 5/8 1 11/16 1 3/4	85	3.3465	1 11/16	19	.7480	27/32	2.280	3/16	2 1/2	23/32	2 7/32
*SM1111K	SM1111KB	S1111K													
SM1112K	SM1112KB	S1112K													
SM1113K	SM1113KB	S1113K	210	1 13/16 1 7/8 1 15/16	90	3.5433	1 15/16	20	.7874	31/32	2.474	3/16	2 3/4	23/32	2 15/32
SM1114K	SM1114KB	S1114K													
*SM1115K	SM1115KB	S1115K													
SM1200K	SM1200KB	S1200K	211	2 2 1/16 2 1/8 2 3/16	100	3.9370	2 3/16	21	.8268	1 3/32	2.747	3/16	3	13/16	2 13/16
SM1201K	SM1201KB	S1201K													
SM1202K	SM1202KB	S1202K													
*SM1203K	SM1203KB	S1203K													
SM1204K	SM1204KB	S1204K	212	2 1/4 2 5/16 2 3/8 2 7/16	110	4.3307	2 7/16	22	.8661	1 7/32	3.011	1/4	3 5/16	7/8	3 1/16
SM1205K	SM1205KB	S1205K													
SM1206K	SM1206KB	S1206K													
*SM1207K	SM1207KB	S1207K													
SM1208K	SM1208KB	S1208K	213	2 1/2	120	4.7244	2 11/16	23	.9055	1 11/32	3.330	1/4	3 13/16	15/16	3 3/8
SM1211KT	SM1211KTB	S1211K	214	2 11/16	125	4.9213	2 11/16	24	.9449	1 11/32	3.422	1/4	3 13/16	15/16	3 3/8
SM1215K	SM1215KB	S1215K	215	2 15/16	130	5.1181	2 15/16	25	.9843	1 15/32	3.619	1/4	4	15/16	3 5/8
SM1303K	SM1303KB	S1303K	216	3 3/16	140	5.5118	3 3/16	26	1.0236	1 19/32	3.874	1/4	4 3/8	1	3 15/16
SM1307K	SM1307KB	S1307K	217	3 7/16	150	5.9055	3 7/16	28	1.1024	1 23/32	4.127	1/4	4 7/16	1	4 3/16
SM1311K	SM1311KB	S1311K	219	3 11/16	170	6.6929	3 11/16	32	1.2598	1 27/32	4.659	1/4	5	1 1/16	4 1/2
SM1315K	SM1315KB	S1315	220	3 15/16	180	7.0866	3 15/16	34	1.3386	1 31/32	4.876	1/4	5 1/2	1 1/4	4 15/16

*Preferred sizes.
These bearings also available with caps and dust seal collars when required.
When ordering, specify number on inner ring followed by "and collar". Examples: SM1203K and collar or SM1207KB and collar ("B" appears on outer ring only).
Note: In some instances "W" may replace "K" on the inner and outer rings.

WIDE INNER RING TYPE



A Type



B Type

HEAVY
SMN Series
A and B Types

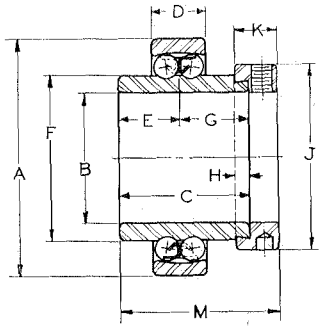
BEARING DIMENSIONS

BEARING NUMBER		COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER		C INNER RING WIDTH Inches	D OUTER RING WIDTH		INCHES						
A Type	B Type				MM	Inches		MM	Inches	E	G	F	H	J	K	M
SMN010K	SMN010KB	SN010H	303	5/8	47	1.8504	1 11/32	14	.5512	43/64	43/64	1.021	5/32	1 3/8	5/8	1 13/16
SMN011K	SMN011KB	SN011H		1 1/16												
*SMN012K	SMN012KB	SN012H	304	3/4	52	2.0472	1 3/8	15	.5906	5/8	3/4	1.151	5/32	1 7/16	5/8	1 27/32
SMN013K	SMN013KB	SN013K	305	13/16	62	2.4409	1 3/8	17	.6693	21/32	23/32	1.437	5/32	1 11/16	5/8	1 27/32
SMN014K	SMN014KB	SN014K		7/8												
*SMN015K	SMN015KB	SN015K		15/16												
*SMN100K	SMN100KB	SN100K		1												
SMN101K	SMN101KB	SN101K	306	1 1/16	72	2.8346	1 7/16	19	.7480	1 1/16	3/4	1.702	5/32	1 15/16	1 1/16	1 31/32
SMN102K	SMN102KB	SN102K		1 1/8												
*SMN103K	SMN103KB	SN103K		1 3/16												
*SMN104K	SMN104KB	SN104K	307	1 1/4	80	3.1496	1 1/2	21	.8268	23/32	25/32	1.927	5/32	2 3/16	1 1/16	2 1/32
SMN105K	SMN105KB	SN105K		1 5/16												
SMN106K	SMN106KB	SN106K		1 3/8												
*SMN107K	SMN107KB	SN107K		1 7/16												
*SMN108K	SMN108KB	SN108K	308	1 1/2	90	3.5433	1 5/8	23	.9055	25/32	27/32	2.185	3/16	2 1/2	1 3/16	2 1/4
SMN109K	SMN109KB	SN109K		1 9/16												
SMN110K	SMN110KB	SN110K	309	1 5/8	100	3.9370	1 11/16	25	.9843	25/32	29/32	2.443	3/16	2 3/4	1 3/16	2 5/16
*SMN111K	SMN111KB	SN111K		1 11/16												
SMN112K	SMN112KB	SN112K		1 3/4												
SMN113K	SMN113KB	SN113K	310	1 13/16	110	4.3307	1 15/16	27	1.0630	31/32	31/32	2.708	3/16	3	7/8	2 5/8
SMN114K	SMN114KB	SN114K		1 7/8												
*SMN115K	SMN115KB	SN115K		1 15/16												
SMN200K	SMN200KB	SN200K	311	2	120	4.7244	2 3/16	29	1.1417	1 3/32	1 3/32	2.953	3/16	3 1/4	7/8	2 7/8
SMN201K	SMN201KB	SN201K		2 1/16												
SMN202K	SMN202KB	SN202K		2 1/8												
*SMN203K	SMN203KB	SN203K		2 3/16												
SMN204K	SMN204KB	SN204K	312	2 1/4	130	5.1181	2 7/16	31	1.2205	1 7/32	1 7/32	3.210	1/4	3 1/2	1 5/16	3 1/8
SMN205K	SMN205KB	SN205K		2 5/16												
SMN206K	SMN206KB	SN206K		2 3/8												
*SMN207K	SMN207KB	SN207K		2 7/16												
SMN208K	SMN208KB	SN208K	313	2 1/2	140	5.5118	2 9/16	33	1.2992	1 9/32	1 9/32	3.478	1/4	3 13/16	1 1/16	3 3/8
SMN211K	SMN211KB	SN211K	314	2 11/16	150	5.9055	2 11/16	35	1.3780	1 11/32	1 11/32	3.731	1/4	4	1 1/16	3 5/8
SMN215K	SMN215KB	SN215K	315	2 15/16	160	6.2992	2 15/16	37	1.4567	1 15/32	1 15/32	3.952	1/4	4 7/16	1 1/4	3 15/16
SMN303K	SMN303KB	SN303K	316	3 3/16	170	6.6929	3 3/16	39	1.5354	1 19/32	1 19/32	4.209	1/4	4 11/16	1 1/4	4 3/16
SMN304K	SMN304KB	SN304K	317	3 1/4	180	7.0866	3 3/16	41	1.6142	1 21/32	1 21/32	4.471	1/4	5	1 1/4	4 5/16
SMN307K	SMN307KB	SN307K	318	3 7/16	190	7.4803	3 7/16	43	1.6929	1 23/32	1 23/32	4.729	5/16	5 1/4	1 7/16	4 7/16
SMO311K	SMO311KB	SO311K	319	3 11/16	200	7.8740	3 11/16	45	1.7717	1 17/32	2 5/32	4.987	5/16	5 1/2	1 7/16	4 13/16
SMN315K	SMN315KB	SN315K	320	3 15/16	215	8.4646	3 15/16	47	1.8504	1 31/32	1 31/32	5.306	5/16	5 3/4	1 7/16	5 1/16
SMN403K	SMN403KB	SN403K	321	4 3/16	225	8.8583	4 1/8	49	1.9291	1 29/32	2 7/32	5.560	5/16	6 3/16	1 11/16	5 1/2
SMN407K	SMN407KB	SN407K	322	4 7/16	240	9.4488	4 3/16	50	1.9685	1 15/16	2 1/4	5.920	5/16	6 5/8	1 11/16	5 9/16
SMN415K	SMN415KB	SN415K	326	4 15/16	280	11.0236	4 9/16	59	2.3228	2 1/8	2 7/16	6.951	5/16	8 1/8	1 11/16	5 15/16

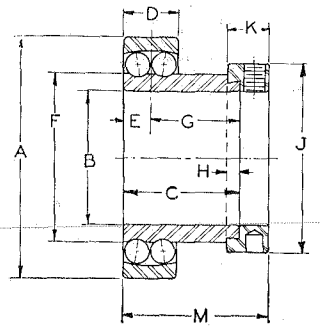
* Preferred sizes. These bearings also available with caps and dust seal collars when required.
When ordering, specify number on inner ring followed by "and collar". Examples: SMN115K and collar or SMN211KB and collar ("B" appears on outer ring only).

INTERNAL SELF-ALIGNING

L1000 Series



L1000-4 Series



BEARING DIMENSIONS

BEARING NUMBERS	B SHAFT DIAMETER Inches	A OUTSIDE DIAMETER	C WIDTH	D OUTER RING WIDTH	E	F	G	H	J	K	M	OUTER RING NO.
	Sizes in Light Type Made to order only	MM Inches	MM Inches	MM Inches								
L1013 to **L1100**	13/16, 7/8, 15/16, 1	52 2.0472	32 1.2598	15 .5906	.4785	1.307	.7813	5/32	1 1/2	.510	1.613	**L205**
L1101 to **L1103**	1 1/16, 1 1/8, 1 3/16	62 2.4409	34 1.3386	16 .6299	.4948	1.570	.8438	5/32	1 3/4	.510	1.693	**L206**
L1104 to **L1107**	1 1/4, 1 5/16, 1 3/8, 1 7/16	72 2.8346	39 1.5354	17 .6693	.6604	1.878	.8750	5/32	2 1/16	.589	1.968	**L207**
L1108 to **L1109**	1 1/2, 1 5/8	80 3.1496	43 1.6929	18 .7087	.7713	2.128	.9217	3/16	2 5/16	.719	2.225	**L208**
L1110 to **L1112**	1 5/8, 1 11/16, 1 3/4	85 3.3465	43 1.6929	19 .7480	.7554	2.279	.9375	3/16	2 1/2	.621	2.127	**L209**
L1113 to **L1115**	1 13/16, 1 7/8, 1 15/16	90 3.5433	49 1.9291	20 .7874	.8978	2.473	1.0313	3/16	2 3/4	.621	2.363	**L210**
L1200 to **L1203**	2, 2 1/16, 2 1/8, 2 3/16	100 3.9370	56 2.2047	21 .8268	1.1024	2.769	1.1023	3/16	3	.621	2.639	**L211**

BEARING DIMENSIONS

BEARING NUMBERS	B SHAFT DIAMETER Inches	A OUTSIDE DIAMETER	C WIDTH	D OUTER RING WIDTH	E	F	G	H	J	K	M	OUTER RING NO.
	Sizes in Light Type Made to order only	MM Inches	Inches	MM Inches								
L1013-4 to **L1100-4**	13/16, 7/8, 15/16, 1	52 2.0472	1.3890	15 .5906	.2953	1.307	1.0937	5/32	1 1/2	.510	1.743	**L205**
L1101-4 to **L1103-4**	1 1/16, 1 1/8, 1 3/16	62 2.4409	1.4712	16 .6299	.3150	1.569	1.1562	5/32	1 3/4	.510	1.825	**L206**
L1104-4 to **L1107-4**	1 1/4, 1 5/16, 1 3/8, 1 7/16	72 2.8346	1.6159	17 .6693	.3350	1.878	1.2809	5/32	2 1/16	.589	2.049	**L207**
L1110-4 to **L1112-4**	1 5/8, 1 11/16, 1 3/4	85 3.3465	1.7802	19 .7480	.3740	2.274	1.4062	3/16	2 1/2	.621	2.214	**L209**
L1113-4 to **L1115-4**	1 13/16, 1 7/8, 1 15/16	90 3.5433	1.9250	20 .7874	.3937	2.474	1.5313	3/16	2 3/4	.621	2.359	**L210**
L1200-4 to **L1203-4**	2, 2 1/16, 2 1/8, 2 3/16	100 3.9370	1.9447	21 .8268	.4134	2.768	1.5313	3/16	3	.621	2.379	**L211**
L1204-4 to **L1207-4**	2 1/4, 2 5/16, 2 3/8, 2 7/16	110 4.3307	2.4375	22 .8661	.4330	3.072	2.0045	1/4	3 5/16	7/8	3.063	**L212**
L1208-4 to **L1211-4**	2 1/2, 2 5/16, 2 5/8, 2 11/16	120 4.7244	2.6875	23 .9055	.4527	3.363	2.2348	1/4	3 13/16	1 5/16	3.375	**L213**
L1212-4 to **L1215-4**	2 3/4, 2 13/16, 2 7/8, 2 15/16	130 5.1181	2.9375	25 .9843	.4921	3.670	2.4454	1/4	4 1/16	1 5/16	3.625	**L215**

Caps can be obtained separately, but Bearing and Collar furnished as a unit.
Cap differs from that supplied with A and B Type Bearing.
As with other Wide Inner Ring Types, the last three digits in the bearing number designate the bore—for example, L1013 indicates a bore of 13/16", L1014 is 7/8", L1015 is 15/16", L1100 is 1", etc.

LOAD RATINGS

BEARING NUMBERS	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.										
	50	100	500	750	900	1200	1500	1800	2100	2400	3600
L1013 to **L1100**	1720	1370	800	700	660	600	555	520	495	475	415
L1101 to **L1103**	2490	1980	1160	1010	955	865	800	755	720	685	600
L1104 to **L1107**	2830	2250	1320	1150	1080	985	915	860	815	780	680
L1108 to **L1109**	3580	2840	1660	1450	1370	1240	1150	1080	1030	985	860
L1110 to **L1112**	3900	3100	1810	1580	1490	1350	1260	1180	1120	1100	940
L1113 to **L1115**	4230	3360	1970	1720	1620	1470	1360	1280	1220	1150	
L1200 to **L1203**	4980	3950	2310	2020	1900	1730	1600	1510	1430	1370	
L1204 to **L1207**	5560	4420	2580	2260	2120	1930	1800	1690	1600	1530	
L1208 to **L1211**	5900	4690	2740	2400	2260	2050	1900	1790	1700	1630	
L1212 to **L1215**	7080	5620	3290	2870	2700	2450	2280	2150	2040	1950	

Load ratings shown are based upon a life expectancy of 3500 hours.
Not recommended where thrust exceeds 10% of radial load.

WIDE INNER RING TYPE

BEARING DIMENSIONS

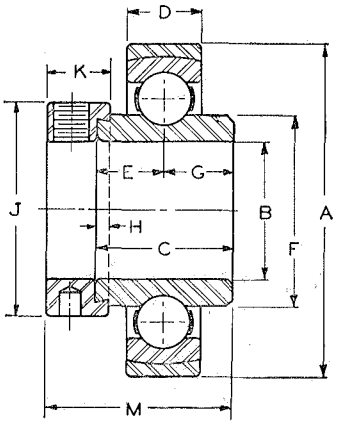
BEARING NUMBER	COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER MM	A OUTSIDE DIAMETER Inches	C INNER RING WIDTH Inches	D OUTER RING WIDTH MM	D OUTER RING WIDTH Inches	INCHES E & G	F	H	J	K	M
SM1100S	**S1100K**	205S	1	57	2.2441	1 3/8	15	.5906	1 1/16	1.293	5/32	1 1/2	1 7/32	1 3/4
SM1101S	**S1101K**		1 1/16											
SM1102S	**S1102K**	206S	1 1/8	68	2.6772	1 7/16	16	.6299	2 3/32	1.540	5/32	1 3/4	5/8	1 29/32
SM1103S	**S1103K**		1 3/16											
SM1104S	**S1104K**		1 1/4											
SM1105S	**S1105K**		1 5/16											
SM1106S	**S1106K**	207S	1 3/8	79	3.1102	1 31/64	17	.6693	.742	1.816	5/32	2 3/16	1 1/16	2 1/64
SM1107S	**S1107K**		1 7/16											
SM1108TS	**S1108KT**	208S	1 1/2	88	3.4646	1 11/16	18	.7087	2 7/32	2.058	3/16	2 3/8	2 3/32	2 7/32
SM1109TS	**S1109KT**		1 9/16											
SM1110S	**S1110K**		1 5/8											
SM1111S	**S1111K**	209S	1 11/16	93	3.6614	1 11/16	19	.7480	2 7/32	2.280	3/16	2 1/2	2 3/32	2 7/32
SM1112S	**S1112K**		1 3/4											
SM1115S	**S1115K**	210S	1 15/16	100	3.9370	1 15/16	20	.7874	3 1/32	2.474	3/16	2 3/4	2 3/32	2 13/32
SM1200S	**S1200K**	211S	2	110	4.3307	2 3/16	21	.8268	1 3/32	2.747	3/16	3	1 3/16	2 13/16
SM1203S	**S1203K**		2 3/16											
SM1207S	**S1207K**	212S	2 7/16	120	4.7244	2 7/16	22	.8661	1 7/32	3.011	1/4	3 5/16	7/8	3 1/16
SM1208S	**S1208K**	213S	2 1/2	135	5.3150	2 11/16	23	.9055	1 11/32	3.330	1/4	3 13/16	1 5/16	3 3/8
SM1211TS	**S1211K**	214S	2 11/16	140	5.5118	2 11/16	24	.9449	1 11/32	3.422	1/4	3 13/16	1 5/16	3 3/8
SM1213S	**S1213K**	215S	2 13/16	145	5.7087	2 15/16	25	.9843	1 15/32	3.619	1/4	4	1 5/16	3 5/8
SM1215S	**S1215K**		2 15/16											
SM1303S	**S1303K**	216S	3 3/16	155	6.1024	3 3/16	26	1.0236	1 19/32	3.874	1/4	4 3/8	1	3 15/16
SM1307S	**S1307K**	217S	3 7/16	165	6.4961	3 7/16	28	1.1024	1 23/32	4.127	1/4	4 7/16	1	4 3/16
SM1311S	**S1311K**	219S	3 11/16	190	7.4803	3 11/16	32	1.2598	1 27/32	4.659	1/4	5	1 1/16	4 1/2
SM1315S	**S1315K**	220S	3 15/16	200	7.8740	3 15/16	34	1.3386	1 31/32	4.876	1/4	5 1/2	1 1/4	4 15/16
SM1407S	**S1407K**	222S	4 7/16	220	8.6614	3 5/8	38	1.4961	1 11/16*	5.446	1/4	6 3/16	1 15/32	4 27/32

* G Dimension for this bearing is 1 15/16.

EXTERNAL SELF-ALIGNING "S" Type

STANDARD

SM Series



BEARING DIMENSIONS

BEARING NUMBER	COLLAR NUMBER	BASIC OUTER RING SIZE	B BORE Inches	A OUTSIDE DIAMETER MM	A OUTSIDE DIAMETER Inches	C INNER RING WIDTH Inches	D OUTER RING WIDTH MM	D OUTER RING WIDTH Inches	INCHES E	G	F	H	J	K	M
SMN015S	**SN015K**	305S	1 5/16	68	2.6772	1 3/8	17	.6693	2 1/32	2 3/32	1.437	5/32	1 11/16	5/8	1 27/32
SMN103S	**SN103K**	306S	1 3/16	80	3.1496	1 7/16	19	.7480	1 1/16	3/4	1.702	5/32	1 15/16	1 1/16	1 31/32
SMN104S	**SN104K**		1 1/4												
SMN105S	**SN105K**		1 5/16												
SMN106S	**SN106K**	307S	1 3/8	88	3.4646	1 1/2	21	.8268	2 3/32	2 5/32	1.927	5/32	2 3/16	1 1/16	2 1/32
SMN107S	**SN107K**		1 7/16												
SMN108S	**SN108K**	308S	1 1/2	100	3.9370	1 5/8	23	.9055	2 5/32	2 7/32	2.185	3/16	2 1/2	1 3/16	2 1/4
SMN111S	**SN111K**	309S	1 11/16	110	4.3307	1 11/16	25	.9843	2 5/32	2 9/32	2.443	3/16	2 3/4	1 3/16	2 5/16
SMN112S	**SN112K**		1 3/4												
SMN115S	**SN115K**	310S	1 15/16	120	4.7244	1 15/16	27	1.0630	3 1/32	3 1/32	2.708	3/16	3	7/8	2 3/8
SMN200S	**SN200K**	311S	2	130	5.1181	2 3/16	29	1.1417	1 3/32	1 3/32	2.953	3/16	3 1/4	7/8	2 7/8
SMN203S	**SN203K**		2 3/16												
SMN207S	**SN207K**	312S	2 7/16	145	5.7087	2 7/16	31	1.2205	1 7/32	1 7/32	3.210	1/4	3 1/2	1 5/16	3 1/8
SMN211S	**SN211K**	314S	2 11/16	165	6.4961	2 11/16	35	1.3780	1 11/32	1 11/32	3.731	1/4	4	1 1/16	3 5/8
SMN215S	**SN215K**	315S	2 15/16	175	6.8898	2 15/16	37	1.4567	1 15/32	1 15/32	3.952	1/4	4 7/16	1 1/4	3 15/16
SMN303S	**SN303K**	316S	3 3/16	190	7.4803	3 3/16	39	1.5354	1 19/32	1 19/32	4.209	1/4	4 11/16	1 1/4	4 3/16
SMN307S	**SN307K**	318S	3 7/16	210	8.2677	3 7/16	43	1.6929	1 23/32	1 23/32	4.729	5/16	5 1/4	1 7/16	4 9/16
SMO311S	**SO311K**	319S	3 11/16	220	8.6614	3 11/16	45	1.7717	1 17/32	2 5/32	4.987	5/16	5 1/2	1 7/16	4 13/16
SMN315S	**SN315K**	320S	3 15/16	235	9.2520	3 15/16	47	1.8504	1 31/32	1 31/32	5.306	5/16	5 3/4	1 7/16	5 1/16
SMN403S	**SN403K**	321S	4 3/16	250	9.8425	4 1/8	49	1.9291	1 29/32	2 7/32	5.560	5/16	6 3/16	1 11/16	5 1/2
SMN407S	**SN407K**	322S	4 7/16	265	10.4331	4 3/16	50	1.9685	1 15/16	2 1/4	5.920	5/16	6 5/8	1 11/16	5 9/16
SMN415S	**SN415K**	326S	4 13/16	300	11.8110	4 9/16	59	2.3228	2 1/8	2 7/16	6.951	5/16	8 1/8	1 11/16	5 15/16

HEAVY

SMN Series

LOAD RATINGS

MECHANI-SEAL—KL, KLB, KLL, G-KLLB Types

STANDARD SM Series, A, B & S Types

BEARING NUMBERS					SHAFT SIZE Inches	BASIC OUTER RING SIZE	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
							50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
1008KL (KLB)	1008KLL		G1008KLLB	SM1008K	½													
			G1009KLLB	SM1009K	9/16													
1010KL (KLB)	1010KLL		G1010KLLB	SM1010K	5/8	203	1605	1270	744	650	612	556	516	485	461	441	385	345
1011KL (KLB)	1011KLL	G1011KLL	G1011KLLB	SM1011K	11/16													
1012KL (KLB)	1012KLL	G1012KLL	G1012KLLB	SM1012K	¾	204	1950	1550	905	791	744	676	628	591	561	537	469	420
			G1013KLLB	SM1013K	13/16													
1014KL (KLB)	1014KLL	G1014KLL	G1014KLLB	SM1014K	7/8	205	2140	1695	992	867	816	741	688	648	615	588	514	461
1015KL (KLB)	1015KLL	G1015KLL	G1015KLLB	SM1015K	15/16													
1100KL (KLB)	1100KLL	G1100KLL	G1100KLLB	SM1100K	1													
		G1101KLL	G1101KLLB	SM1101K	1 1/16													
1102KL (KLB)	1102KLL	G1102KLL	G1102KLLB	SM1102K	1 1/8	206	3150	2500	1460	1275	1200	1090	1015	954	906	867	757	678
1103KL (KLB)	1103KLL	G1103KLL	G1103KLLB	SM1103K	1 3/16													
1104KL (KLB)	1104KLL	G1104KLL	G1104KLLB	SM1104K	1 1/4													
	1105KLL		G1105KLLB	SM1105K	1 5/16	207	4080	3235	1895	1655	1555	1415	1315	1235	1175	1120	980	879
		G1106KLL	G1106KLLB	SM1106K	1 3/8													
1107KL (KLB)	1107KLL	G1107KLL	G1107KLLB	SM1107K	1 7/16													
1108KL (KLB)	1108KLL	G1108KLL	G1108KLLB	SM1108KT	1½	208	4980	3955	2310	2020	1900	1725	1605	1510	1435	1370	1200	1075
			G1109KLLB	SM1109KT	1 9/16													
1110KL (KLB)		G1110KLL	G1110KLLB	SM1110K	1 5/8													
1111KL (KLB)	1111KLL	G1111KLL	G1111KLLB	SM1111K	1 11/16	209	4980	3955	2310	2020	1900	1725	1605	1510	1435	1370	1200	1075
1112KL (KLB)	1112KLL	G1112KLL	G1112KLLB	SM1112K	1 ¾													
			G1113KLLB	SM1113K	1 13/16													
			G1114KLLB	SM1114K	1 7/8	210	5340	4235	2480	2165	2035	1850	1720	1615	1535	1470	1285	1150
1115KL (KLB)	1115KLL	G1115KLL	G1115KLLB	SM1115K	1 15/16													
		G1200KLL	G1200KLLB	SM1200K	2													
			G1201KLLB	SM1201K	2 1/16	211	6600	5240	3065	2675	2520	2290	2125	2000	1900	1815	1585	1420
			G1202KLLB	SM1202K	2 1/8													
1203KL (KLB)	1203KLL	G1203KLL	G1203KLLB	SM1203K	2 3/16													
			G1204KLLB	SM1204K	2 1/4													
			G1205KLLB	SM1205K	2 5/16													
			G1206KLLB	SM1206K	2 3/8	212	7980	6330	3700	3235	3045	2765	2565	2415	2295	2195	1920	
1207KL (KLB)			G1207KLLB	SM1207K	2 7/16													
				SM1208K	2½	213	7950	6310	3690	3225	3035	2755	2560	2410	2290	2190	1910	
				SM1211KT	2 11/16	214	9460	7510	4390	3835	3610	3280	3045	2865	2720	2605	2275	
				SM1215K	2 15/16	215	9430	7490	4380	3825	3600	3270	3035	2855	2715	2595	2265	
				SM1303K	3 3/16	216	11050	8770	5130	4480	4215	3830	3555	3345	3180	3040	2655	
				SM1307K	3 7/16	217	11000	8730	5110	4460	4200	3815	3540	3330	3165	3030	2645	
				SM1311K	3 11/16	219	14550	11550	6750	5900	5550	5040	4680	4405	4185	4000		
				MS1315K	3 15/16	220	16475	13075	7650	6680	6290	5710	5310	4990	4740	4535		

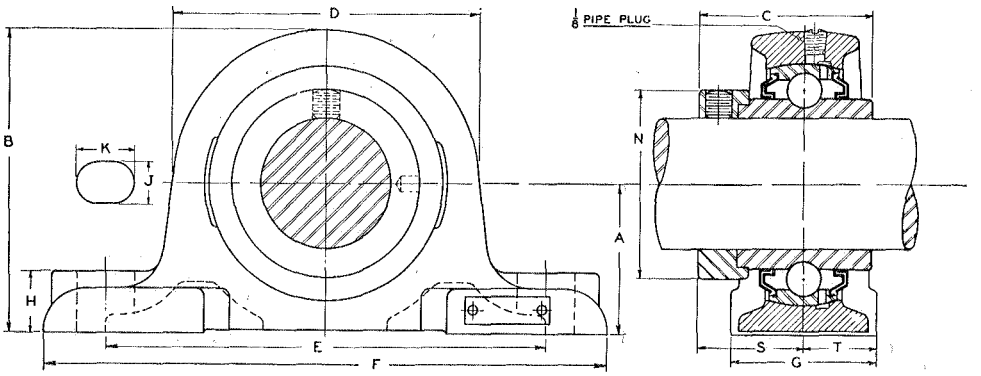
LOAD RATINGS

HEAVY N-KLL, GN-KLLB Series

HEAVY SMN Series, A, B & S Types

BEARING NUMBERS			SHAFT SIZE Inches	BASIC OUTER RING SIZE	RATED RADIAL LOAD CAPACITY IN POUNDS AT VARIOUS R.P.M.											
					50	100	500	750	900	1200	1500	1800	2100	2400	3600	5000
		SMN010K SMN011K	5/8 11/16	303	2055	1630	954	833	784	712	661	622	591	565	494	443
		SMN012K	3/4	304	2420	1920	1125	983	924	840	779	733	697	666	582	522
		SMN013K SMN014K SMN015K SMN100K	13/16 7/8 15/16 1	305	3590	2850	1665	1455	1370	1245	1155	1090	1035	988	864	774
N103KLL	GN103KLLB	SMN101K SMN102K SMN103K	1 1/16 1 1/8 1 3/16	306	4535	3600	2105	1840	1730	1570	1460	1375	1305	1245	1090	976
N107KLL	GN107KLLB	SMN104K SMN105K SMN106K SMN107K	1 1/4 1 5/16 1 3/8 1 7/16	307	5080	4035	2360	2060	1940	1765	1635	1540	1465	1400	1225	1095
	GN108KLLB GN109KLLB	SMN108K SMN109K	1 1/2 1 9/16	308	6740	5350	3130	2735	2570	2335	2170	2040	1940	1855	1620	1450
N110KLL	GN111KLLB	SMN110K SMN111K SMN112K	1 5/8 1 11/16 1 3/4	309	8030	6370	3725	3255	3065	2780	2585	2430	2310	2210	1930	1730
	GN115KLLB	SMN113K SMN114K SMN115K	1 13/16 1 7/8 1 15/16	310	9400	7460	4365	3810	3585	3260	3025	2845	2705	2585	2260	2025
N200KLL	GN203KLLB	SMN200K SMN201K SMN202K SMN203K	2 2 1/16 2 1/8 2 3/16	311	10850	8620	5040	4400	4145	3765	3495	3290	3125	2985	2610	
N207KLL	GN207KLLB	SMN204K SMN205K SMN206K SMN207K	2 1/4 2 5/16 2 3/8 2 7/16	312	12425	9850	5760	5030	4735	4305	3995	3760	3570	3415	2985	
		SMN208K	2 1/2	313	14100	11175	6540	5710	5380	4885	4535	4270	4055	3880	3390	
	GN211KLLB	SMN211K	2 11/16	314	15850	12575	7350	6420	6050	5490	5100	4800	4560	4360	3810	
	GN215KLLB	SMN215K	2 15/16	315	17250	13700	8010	7000	6590	5980	5560	5230	4965	4750	4150	
		SMN303K	3 3/16	316	20150	15900	9300	8130	7650	6950	6450	6070	5770	5520	4820	
		SMN304K	3 1/4	317	21550	17100	10000	8740	8230	7470	6940	6530	6200	5930		
		SMN307K	3 7/16	318	23100	18325	10725	9370	8820	8010	7430	7000	6650	6360		
		SMN311K	3 11/16	319	21825	17325	10125	8840	8320	7560	7020	6605	6280	6000		
		SMN315K	3 15/16	320	24850	19725	11550	10075	9490	8620	8000	7530	7150	6840		
		SMN403K	4 3/16	321	26475	21000	12275	10725	10100	9180	8520	8020	7620			
		SMN407K	4 7/16	322	28125	22325	13050	11400	10725	9750	9050	8520				
		SMN415K	4 15/16	326	38175	30300	17725	15475	14575	13225	12275					

LAK Type STANDARD Series



Fafnir LAK Type pillow blocks are recommended for all general industrial applications where normal loads are encountered. In wide use in many industries, they assure the user these positive advantages:

1. Compact, one-piece housing which can be mounted in any position.

2. Deep-groove single row Wide Inner Ring Ball Bearing with Self-Locking collar for mounting on straight shafts, and with ability to carry radial, thrust, or combined loads. Capacity is equivalent to 200K Series single row radial bearing.

3. Frictionless, integral, Mechani-Seals effectively retain lubricant and repel the entrance of foreign matter.

4. Self-aligning—the spherical outside diameter of the bearing mounted in a corresponding spherical housing seat provides self-alignment in any direction.

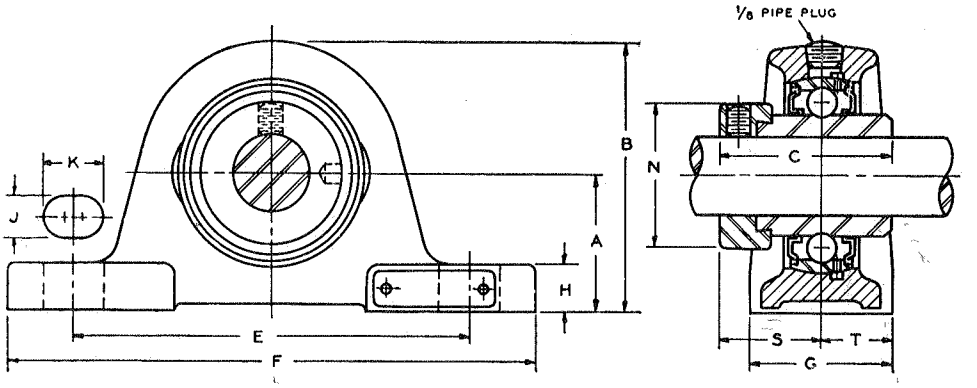
5. Pre-lubricated and ready for immediate installation. A grease fitting installed in place of the standard pipe plug will provide means of relubrication through a groove on the inside surface of the housing which conducts the grease to either of two holes in the bearing's outer ring.

DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAMETER Inches	INCHES													BOLT SIZE Inches	BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER
	A	B	C	D	E	F	G	H	J	K	N	S	T				
1/2 9/16 * 5/8 11/16	1 1/16	2 1/8	1 15/32	2 1/8	3 1/2	4 3/4	1 3/8	1/2	7/16	9/16	1 3/16	59/64	1 1/16	3/8	G1008KLLB G1009KLLB G1010KLLB G1011KLLB	S1008K S1009K S1010K S1011K	T-16600 T-16600 T-16600 T-16600
* 3/4	1 1/4	2 1/2	1 23/32	2 1/2	3 7/8	5 1/4	1 5/8	9/16	7/16	9/16	1 5/16	1 3/64	13/16	3/8	G1012KLLB	S1012K	T-16602
13/16 7/8 * 15/16 *1	1 5/16	2 11/16	1 3/4	2 3/4	4 1/8	5 1/2	1 3/4	5/8	7/16	9/16	1 1/2	1 1/16	7/8	3/8	G1013KLLB G1014KLLB G1015KLLB G1100KLLB	S1013K S1014K S1015K S1100K	T-16603 T-16603 T-16603 T-16603
1 1/16 1 1/8 *1 3/16	1 9/16	3 5/32	1 29/32	3 3/16	4 3/4	6 5/16	1 7/8	1 1/16	9/16	3/4	1 3/4	1 3/16	15/16	1/2	G1101KLLB G1102KLLB G1103KLLB	S1101K S1102K S1103K	T-16605 T-16605 T-16605
1 1/4 1 5/16 1 3/8 *1 7/16	1 13/16	3 5/8	2 1/64	3 5/8	5	6 9/16	1 7/8	3/4	9/16	3/4	2 3/16	1 9/32	15/16	1/2	G1104KLLB G1105KLLB G1106KLLB G1107KLLB	S1104K S1105K S1106K S1107K	T-16475 T-16475 T-16475 T-16475
*1 1/2 1 9/16	1 15/16	3 15/16	2 7/32	4	5 1/2	7 1/8	2 1/8	3/4	9/16	3/4	2 3/8	1 3/8	1 1/16	1/2	G1108KLLB G1109KLLB	S1108K S1109K	T-16607 T-16608
1 5/8 *1 11/16 1 3/4	2 1/16	4 3/16	2 7/32	4 1/4	5 3/4	7 1/2	2 1/8	1 3/16	9/16	3/4	2 1/2	1 3/8	1 1/16	1/2	G1110KLLB G1111KLLB G1112KLLB	S1110K S1111K S1112K	T-16589 T-16589 T-16589
1 13/16 1 7/8 *1 15/16	2 3/16	4 7/16	2 15/32	4 1/2	6 1/4	8	2 1/4	7/8	9/16	3/4	2 3/4	1 1/2	1 1/8	1/2	G1113KLLB G1114KLLB G1115KLLB	S1113K S1114K S1115K	T-16609 T-16609 T-16609
2 2 1/16 2 1/8 *2 3/16	2 7/16	4 29/32	2 13/16	4 15/16	7 1/8	9 1/8	2 3/8	1	1 1/16	1 5/16	3	1 23/32	1 3/16	5/8	G1200KLLB G1201KLLB G1202KLLB G1203KLLB	S1200K S1201K S1202K S1203K	T-16611 T-16611 T-16611 T-16611
2 1/4 2 5/16 2 3/8 *2 7/16	2 11/16	5 3/8	3 1/16	5 3/8	7 1/2	9 1/2	2 1/2	1 1/8	1 1/16	1 5/16	3 5/16	1 27/32	1 1/4	5/8	G1204KLLB G1205KLLB G1206KLLB G1207KLLB	S1204K S1205K S1206K S1207K	T-17570 T-17570 T-17570 T-17570
2 15/16	3 5/16	6 17/32	3 5/8	6 7/16	9 1/2	12	3 1/4	1 1/2	7/8	1 1/4	4	2 5/32	1 5/8	3/4	G1215KLLB	S1215K	T-20134

* Preferred sizes. Recommended shaft tolerances: 1/2"–2", nominal to —.0005"; 2 1/16"–2 7/16", nominal to —.0010".
When ordering, specify shaft size. Example: LAK 1 3/16".
Note: LAK Pillow Blocks are equipped with type G-KLLB bearings which are listed on page 41, with load ratings on page 46.

PILLOW BLOCKS • MECHANI-SEAL TYPE



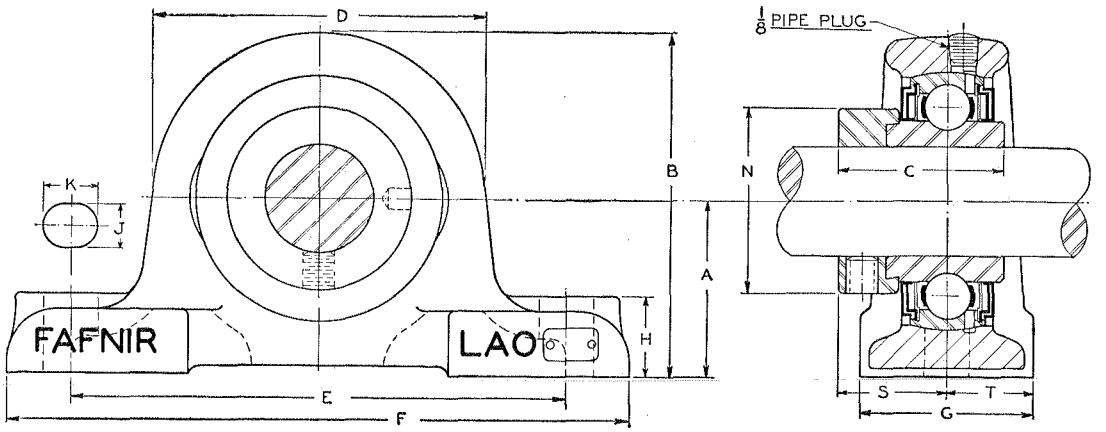
LAS Type

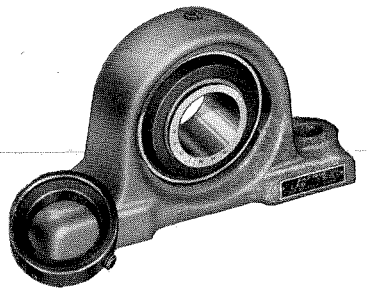
DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAM. Inches	INCHES												BOLT SIZE Inches	BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER
	A	B	C	E	F	G	H	J	K	N	S	T				
1/2 9/16 * 5/8 11/16	1 3/16	2 1/4	1 15/32	3 3/4	5	1 1/2	3/8	7/16	3/4	1 3/16	59/64	3/4	3/8	G1008KLLB G1009KLLB G1010KLLB G1011KLLB	S1008K S1009K S1010K S1011K	T-20285 T-20285 T-20285 T-20285
* 3/4	1 5/16	2 9/16	1 23/32	3 3/4	5	1 1/2	1/2	7/16	3/4	1 5/16	1 3/64	3/4	3/8	G1012KLLB	S1012K	T-20287
13/16 7/8 * 15/16 *1	1 7/16	2 13/16	1 3/4	4 1/8	5 1/2	1 1/2	1/2	7/16	5/8	1 1/2	1 1/16	3/4	3/8	G1013KLLB G1014KLLB G1015KLLB G1100KLLB	S1013K S1014K S1015K S1100K	T-20240 T-20240 T-20240 T-20240
1 1/16 1 1/8 *1 3/16	1 11/16	3 3/32	1 29/32	4 3/4	6 1/2	1 7/8	9/16	9/16	13/16	1 3/4	1 3/16	15/16	1/2	G1101KLLB G1102KLLB G1103KLLB	S1101K S1102K S1103K	T-20238 T-20238 T-20238
1 1/4 1 5/16 1 3/8 *1 7/16	1 7/8	3 11/16	2 1/64	5	6 9/16	1 7/8	5/8	9/16	13/16	2 3/16	1 9/32	15/16	1/2	G1104KLLB G1105KLLB G1106KLLB G1107KLLB	S1104K S1105K S1106K S1107K	T-20236 T-20236 T-20236 T-20236
*1 1/2 1 9/16	1 15/16	3 15/16	2 7/32	5 3/8	7 1/4	2 1/8	1 1/16	9/16	1	2 3/8	1 3/8	1 1/16	1/2	G1108KLLB G1109KLLB	S1108K S1109K	T-20289 T-20289
1 5/8 *1 11/16 1 3/4	2 1/8	4 1/4	2 7/32	5 3/4	7 1/2	2 1/8	1 1/16	9/16	13/16	2 1/2	1 3/8	1 1/16	1/2	G1110KLLB G1111KLLB G1112KLLB	S1110K S1111K S1112K	T-20234 T-20234 T-20234
1 13/16 1 7/8 *1 15/16	2 1/4	4 1/2	2 15/32	6 1/4	8 1/8	2 3/8	3/4	1 1/16	7/8	2 3/4	1 1/2	1 3/16	5/8	G1113KLLB G1114KLLB G1115KLLB	S1113K S1114K S1115K	T-20232 T-20232 T-20232
2 2 1/16 2 1/8 *2 3/16	2 1/2	4 31/32	2 13/16	6 3/4	8 5/8	2 3/8	3/4	1 1/16	7/8	3	1 23/32	1 3/16	5/8	G1200KLLB G1201KLLB G1202KLLB G1203KLLB	S1200K S1201K S1202K S1203K	T-20291 T-20291 T-20291 T-20291
2 1/4 2 5/16 2 3/8 *2 7/16	2 3/4	5 1/2	3 1/16	7 1/4	9 1/2	2 3/4	7/8	1 1/16	1	3 5/16	1 27/32	1 3/8	5/8	G1204KLLB G1205KLLB G1206KLLB G1207KLLB	S1204K S1205K S1206K S1207K	T-20293 T-20293 T-20293 T-20293

* Preferred sizes.
When ordering, specify shaft size. Example: LAS 1 3/16".
Note: LAS Pillow Blocks are equipped with type G-KLLB bearings which are listed on page 41, with load ratings on page 46.

LAO Type
HEAVY Series





Fafnir LAO Type Pillow Blocks meet the demand for a compact, economical, heavy-duty ball bearing power transmission unit. Designed to incorporate the tested and proved features of the Fafnir LAK (Standard) Series Pillow Block, it utilizes a high capacity Wide Inner Ring Bearing. The famous Self-Locking Collar eliminates shaft shoulders, machining, adapters, sleeves and locknuts — assures ease of mounting.

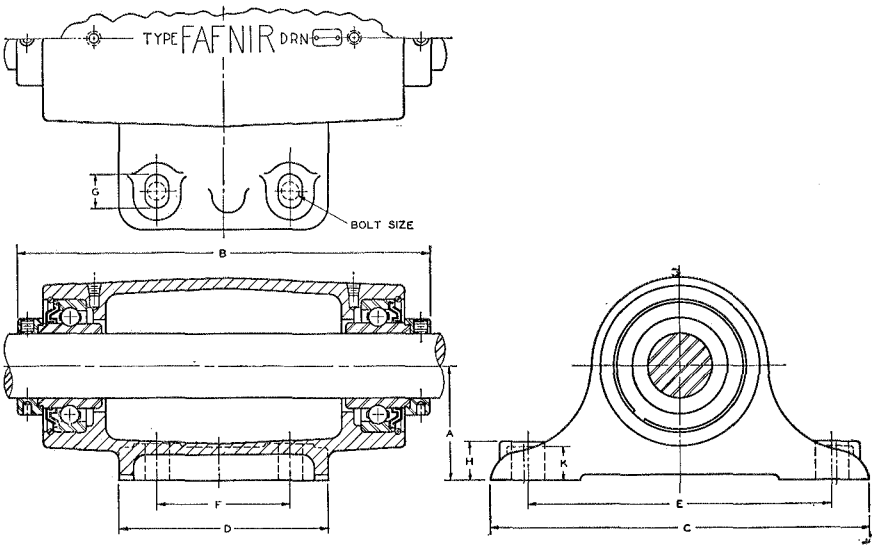
For unusually dirty applications, LAO Pillow Blocks, equipped with mechani-seal bearings, incorporating an internal felt and rubber washer, are available on special order. Specify as LAOF (shaft size).

DIMENSIONS AND REPLACEMENT PARTS

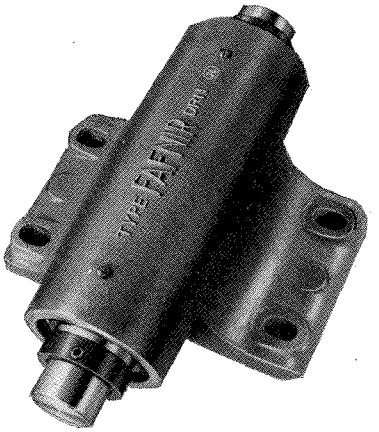
SHAFT DIAM. Inches	INCHES													BOLT SIZE Inches	BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER
	A	B	C	D	E	F	G	H	J	K	N	S	T				
1 3/16	1 7/8	3 11/16	1 31/32	3 9/16	5 3/8	6 13/16	1 15/16	7/8	5/8	3/4	1 15/16	1 9/32	31/32	9/16	**GN103KLLB**	**SN103K**	**T-18798**
1 7/16	2 1/8	4 3/32	2 1/32	4	6	7 9/16	2 1/8	1 5/16	5/8	3/4	2 3/16	1 5/16	1 1/16	9/16	**GN107KLLB**	**SN107K**	**T-18626**
1 1/2	2 3/8	4 5/8	2 1/4	4 1/2	6 3/4	8 1/2	2 3/8	1 1/16	3/4	1	2 1/2	1 15/16	1 3/16	11/16	**GN108KLLB**	**SN108K**	**T-18800**
1 11/16	2 5/8	5 1/8	2 5/16	5	7 1/2	9 7/16	2 5/8	1 3/16	3/4	1	2 3/4	1 17/32	1 5/16	11/16	**GN111KLLB**	**SN111K**	**T-18802**
1 15/16	2 13/16	5 9/16	2 5/8	5 7/16	8 1/4	10 7/16	2 7/8	1 5/16	3/4	1	3	1 21/32	1 7/16	11/16	**GN115KLLB**	**SN115K**	**T-18804**
2 3/16	3 1/16	6 1/32	2 7/8	5 15/16	9	11 5/16	3 1/8	1 7/16	7/8	1 1/8	3 1/4	1 25/32	1 9/16	13/16	**GN203KLLB**	**SN203K**	**T-18806**
2 7/16	3 5/16	6 17/32	3 1/8	6 7/16	9 3/4	12 5/16	3 5/16	1 1/2	7/8	1 1/8	3 1/2	1 29/32	1 21/32	13/16	**GN207KLLB**	**SN207K**	**T-18808**
2 11/16	3 13/16	7 9/16	3 1/2	7 7/16	11 1/4	14 3/16	3 13/16	1 3/4	1	1 5/16	4	2 5/32	1 29/32	15/16	**GN211KLLB**	**SN211K**	**T-18810**
2 15/16	4 1/8	8 1/16	3 15/16	7 15/16	12	15 1/8	4 1/16	1 7/8	1	1 5/16	4 7/16	2 13/32	2 1/32	15/16	**GN215KLLB**	**SN215K**	**T-18601**

When ordering replacement bearings for an LAO pillow block, always specify bearing and collar. Example: Replacement for LAO 1 7/16" is GN107KLLB bearing and collar.
Load ratings for LAO Pillow Blocks on page 47.
Recommended shaft tolerances: 1 3/16"–2" = Nominal to —.0005"
2 1/16"–2 15/16" = Nominal to —.0010"

PILLOW BLOCKS • MECHANI-SEAL TYPE



DOUBLE RIGID
DRN Type



The Fafnir Double Rigid Pillow Block, Type DRN, is specifically designed to provide a sturdy two-bearing mounting for fans and blowers, bench grinders, buffers, vertical shafts and similar heavy-duty applications.

A streamlined, one-piece housing is equipped with two Fafnir Wide Inner Ring Ball Bearings, widely spaced for maximum rigidity, and incorporating integral frictionless Mechani-Seals.

Individual grease chambers are provided for each bearing, and close-clearance baffles allow excess grease to work into the spacious center chamber of the housing.

Type DRN Pillow Blocks can be mounted in any position, and ample radial and thrust capacity is assured at all times.

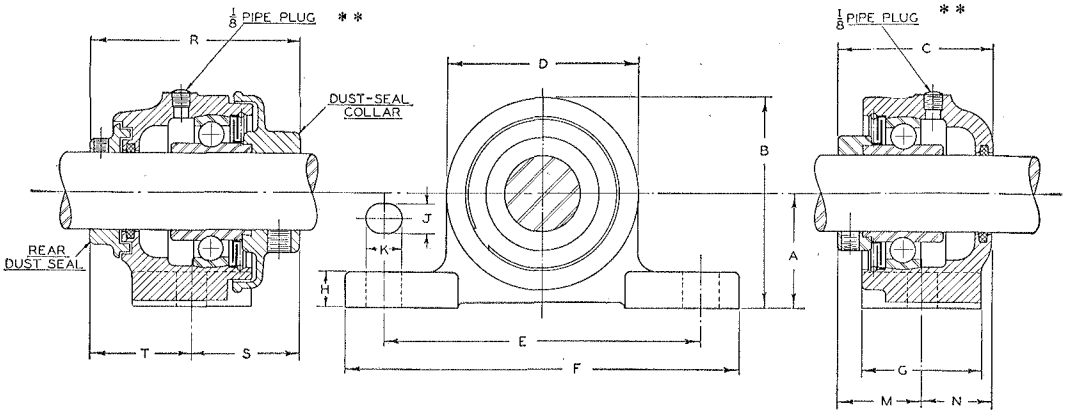
DIMENSIONS AND REPLACEMENT PARTS

SHAFT SIZE Inches	INCHES									BOLT SIZE Inches	BEARING NUMBER (2 Req'd)	COLLAR NUMBER (2 Req'd)	WIRE NUMBER (2 Req'd)	HOUSING NUMBER	RATED RADIAL LOAD CAPACITY IN LBS. AT VARIOUS R.P.M.				
	A	B	C	D	E	F	G	H	K						100	500	1200	1800	3600
1 5/16	2 1/2	7 7/8	7 3/4	4 1/4	6 1/4	2 3/4	5/8	3/4	1 1/16	3/8	**1015KL**	**S1015K**	1	**T-19189**	3390	1984	1482	1296	1028
1 3/16	2 1/2	8	7 3/4	4 1/4	6 1/4	2 3/4	5/8	7/8	1 3/16	3/8	**1103KL**	**S1103K**	2	**T-19191**	5000	2920	2180	1908	1514
1 7/16	3	10 7/8	10	5 1/2	8	3 1/2	7/8	1	7/8	1/2	**1107KL**	**S1107K**	3	**T-19193**	6470	3790	2830	2470	1960
1 11/16	3	11	10	5 1/2	8	3 1/2	7/8	1	7/8	1/2	**1111KL**	**S1111K**	4	**T-19197**	7910	4620	3460	3200	2400
1 15/16	3 1/2	13 7/8	12	7	9 1/2	4 1/2	1 1/8	1 1/8	1	5/8	**1115KL**	**S1115K**	5	**T-19195**	8470	4960	3700	3230	2570
2 3/16	3 1/2	14	12	7	9 1/2	4 1/2	1 1/8	1 1/4	1 1/16	5/8	**1203KL**	**S1203K**	6	**A-9598**	10480	6130	4580	4000	3170

Thrust rating is 50% of Radial Rating.

Note: For unusually dirty applications, extra Dust-seal collars can be furnished on special order at slight additional costs.

SA-SAD SADD Types STANDARD Series



DIMENSIONS

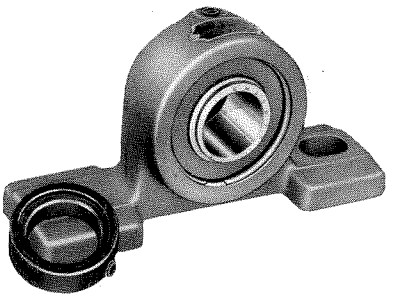
SHAFT DIAMETER Inches	INCHES															BOLT SIZE Inches (2 Required)
	A	B	C	D	E	F	G	H	J	K	M †	N †	R	S †	T †	
9/16 *5/8 11/16	1 1/4	2 3/8	2 1/32	2 1/4	3 13/16	4 13/16	1 1/4	3/8	7/16	7/16	1	1	2 7/8	1 3/8	1 1/2	3/8
*3/4	1 3/4	3 1/16	2 3/8	2 5/8	5	6 1/2	2	5/8	9/16	3/4	1 3/8	1	3 9/32	1 23/32	1 9/16	7/16
13/16 7/8 *15/16 *1	2	3 3/8	2 29/64	2 3/4	5 1/2	7	2 1/8	5/8	9/16	3/4	1 25/64	1 1/16	3 5/16	1 11/16	1 5/8	1/2
1 1/16 1 1/8 *1 3/16	2	3 5/8	2 3/4	3 1/4	5 1/2	7	2 1/8	1 1/16	5/8	3/4	1 1/2	1 1/4	3 33/64	1 45/64	1 13/16	1/2
*1 1/4 1 5/16 1 3/8 *1 7/16	2 3/8	4 3/16	3 3/64	3 5/8	6 1/4	8 1/4	2 5/8	3/4	3/4	1 1/4	1 47/64	1 5/16	4	2 1/8	1 7/8	5/8
*1 1/2 1 9/16	2 3/8	4 3/8	3 15/64	4	6 5/8	8 1/4	2 3/8	3/4	5/8	3/4	1 43/64	1 9/16	4 21/64	2 9/64	2 3/16	1/2
1 5/8 *1 11/16 1 3/4	2 3/8	4 7/16	3 3/8	4 1/8	6 5/8	8 1/4	2 3/8	3/4	5/8	3/4	1 11/16	1 11/16	4 19/32	2 3/32	2 1/2	1/2
1 13/16 1 7/8 *1 15/16	2 3/4	4 15/16	3 19/32	4 3/8	8 1/4	10 5/8	2 3/4	7/8	3/4	15/16	1 29/32	1 11/16	4 13/16	2 5/16	2 1/2	5/8
2 2 1/16 2 1/8 *2 3/16	3 1/8	5 11/16	4	5 1/8	9	11 3/8	3 1/8	13/16	3/4	1	1 23/32	2 3/32	5 3/16	2 1/32	3 5/32	5/8
2 1/4 2 5/16 2 3/8 *2 7/16	3 1/8	5 13/16	4 21/64	5 3/8	9	11 3/8	3 1/8	13/16	3/4	1	1 27/32	2 31/64	5 21/32	2 11/32	3 5/16	5/8
*2 1/2	3 3/4	6 11/16	4 37/64	5 7/8	10 1/4	12 5/8	3 1/2	1 1/16	7/8	1 1/4	2 1/32	2 35/64	6 7/64	2 19/32	3 33/64	3/4
*2 11/16	3 3/4	6 3/4	4 49/64	6	10 1/4	12 5/8	3 1/2	1 1/16	7/8	1 1/4	2 1/32	2 47/64	6 21/64	2 19/32	3 47/64	3/4
*2 15/16	3 3/4	7	4 7/8	6 1/2	10 1/4	12 5/8	3 1/2	1	7/8	1 1/4	2 5/32	2 23/32	6 3/16	2 19/32	3 19/32	3/4
*3 3/16	4 1/8	7 5/8	5 29/64	7	11 1/4	13 3/4	4	1 1/16	7/8	1 1/4	2 11/32	3 7/64	6 63/64	2 13/16	4 11/64	3/4
*3 7/16	4 5/16	8 5/16	5 23/32	7 1/2	12 3/8	15 3/8	4 3/8	1 1/4	1	1 5/16	2 15/32	3 1/4	6 27/32	2 13/16	4 1/32	7/8
*3 11/16	4 5/16	8 3/4	6 13/32	8 3/8	12 3/8	15 3/8	4 3/8	1 1/4	1	1 5/16	2 21/32	3 3/4	7 27/32	3 5/32	4 11/16	7/8
*3 15/16	5 1/8	9 11/16	6 55/64	9 1/8	13 3/8	16 1/8	4 3/4	1 1/4	1	1 5/16	2 31/32	3 57/64	8 3/64	3 7/32	4 53/64	7/8

* Preferred sizes. * * 3 3/16" and larger use 1/4 pipe plug.
† Dimensions M, N, S and T are measured from center of bolt.
Recommended shaft tolerances: 9/16"–2" = Nominal to —.0005"
2 1/16"–3 15/16" = Nominal to —.0010"
When ordering, specify shaft size. Example: SA 1 7/16".
Note: SA Pillow Blocks are equipped with MUB machine units, described on page 38 with load ratings on pages 46 and 47.

PILLOW BLOCKS

The Standard Series Single Pillow Block, Type SA, incorporates design features similar to the LAK Pillow Block, but has the standard pressed-steel labyrinth seal. The B Type Standard (SM) Series Wide Inner Ring Bearing is employed, which aligns as a unit in the housing.

This type of pillow block is used generally where loads are relatively moderate in proportion to the shaft diameter. At a slight additional cost it can be fitted with a dust-seal collar and a rear dust seal, being known then as SADD Type. If only the dust-seal collar is added, without the rear dust seal, the unit is termed SAD Type. For positions where it is undesirable to have the shaft extend through the block, the unit can be furnished with the side opposite the collar closed, *if so specified.* All units likewise can be supplied with blank bases (no bolt holes) if desired *and specified.*



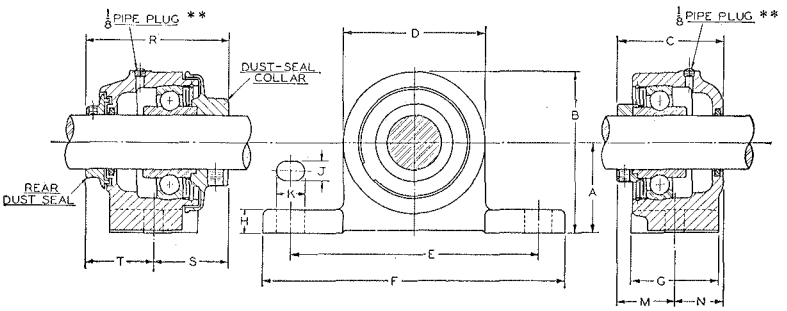
HOUSING and REPLACEMENT PARTS

SA • SAD • SADD Types

SHAFT DIAM. Inches	SA and SAD HOUSING NUMBER	SADD HOUSING NUMBER	REPLACEMENT BEARING UNIT †	BEARING NUMBER	SA COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER	SAD and SADD DUST-SEAL COLLAR NUMBER	REAR DUST SEAL
9/16	T-6686	T-6686	MUB 9/16	SM1009KB	S1009K	11/16K (A&B)	11/16		
5/8	T-6686	T-6686	MUB 5/8	SM1010KB	S1010K	11/16K (A&B)	11/16	S1010KD	5/8
11/16	T-6686	T-6686	MUB 11/16	SM1011KB	S1011K	11/16K (A&B)	11/16	S1011KD	11/16
3/4	T-5166	T-5166	MUB 3/4	SM1012KB	S1012H	3/4H (A&B)	3/4	S1012HD	3/4
13/16	T-5096	T-5096	MUB 13/16	SM1013KB	S1013K	1K (A&B)	1	S1013KD	13/16
7/8	T-5096	T-5096	MUB 7/8	SM1014KB	S1014K	1K (A&B)	1	S1014KD	7/8
15/16	T-5096	T-5096	MUB 15/16	SM1015KB	S1015K	1K (A&B)	1	S1015KD	15/16
1	T-5096	T-5096	MUB 1	SM1100KB	S1100K	1K (A&B)	1	S1100KD	1
1 1/16	T-5094	T-5094D	MUB 1 1/16	SM1101KB	S1101K	2K (A&B)	2	S1101KD	1 1/16
1 1/8	T-5094	T-5094D	MUB 1 1/8	SM1102KB	S1102K	2K (A&B)	2	S1102KD	1 1/8
1 3/16	T-5094	T-5094D	MUB 1 3/16	SM1103KB	S1103K	2K (A&B)	2	S1103KD	1 3/16
1 1/4	T-5087	T-5087D	MUB 1 1/4	SM1104KB	S1104K	3K (A&B)	3	S1104KD	1 1/4
1 5/16	T-5087	T-5087D	MUB 1 5/16	SM1105KB	S1105K	3K (A&B)	3	S1105KD	1 5/16
1 3/8	T-5087	T-5087D	MUB 1 3/8	SM1106KB	S1106K	3K (A&B)	3	S1106KD	1 3/8
1 7/16	T-5087	T-5087D	MUB 1 7/16	SM1107KB	S1107K	3K (A&B)	3	S1107KD	1 7/16
1 1/2	T-6910	T-6910D	MUB 1 1/2	SM1108TKB	S1108KT	3 1/2K (A&B)	3 1/2	S1108KTD	1 1/2
1 9/16	T-6910	T-6910D	MUB 1 9/16	SM1109TKB	S1109KT	3 1/2K (A&B)	3 1/2	S1109KTD	1 9/16
1 5/8	T-5100	T-5100D	MUB 1 5/8	SM1110KB	S1110K	4K (A&B)	4	S1110KD	1 5/8
1 11/16	T-5100	T-5100D	MUB 1 11/16	SM1111KB	S1111K	4K (A&B)	4	S1111KD	1 11/16
1 3/4	T-5100	T-5100D	MUB 1 3/4	SM1112KB	S1112K	4K (A&B)	4	S1112KD	1 3/4
1 13/16	T-5106	T-5106D	MUB 1 13/16	SM1113KB	S1113K	5K (A&B)	5	S1113KD	1 13/16
1 7/8	T-5106	T-5106D	MUB 1 7/8	SM1114KB	S1114K	5K (A&B)	5	S1114KD	1 7/8
1 15/16	T-5106	T-5106D	MUB 1 15/16	SM1115KB	S1115K	5K (A&B)	5	S1115KD	1 15/16
2	T-8517	T-8517	MUB 2	SM1200KB	S1200K	6K (A&B)	6	S1200KD	2
2 1/16	T-8517	T-8517	MUB 2 1/16	SM1201KB	S1201K	6K (A&B)	6	S1201KD	2 1/16
2 1/8	T-8517	T-8517	MUB 2 1/8	SM1202KB	S1202K	6K (A&B)	6	S1202KD	2 1/8
2 3/16	T-8517	T-8517	MUB 2 3/16	SM1203KB	S1203K	6K (A&B)	6	S1203KD	2 3/16
2 1/4	T-8472	T-8472D	MUB 2 1/4	SM1204KB	S1204K	7K (A&B)	7	SA1204KD	2 1/4
2 5/16	T-8472	T-8472D	MUB 2 5/16	SM1205KB	S1205K	7K (A&B)	7	SA1205KD	2 5/16
2 3/8	T-8472	T-8472D	MUB 2 3/8	SM1206KB	S1206K	7K (A&B)	7	SA1206KD	2 3/8
2 7/16	T-8472	T-8472D	MUB 2 7/16	SM1207KB	S1207K	7K (A&B)	7	SA1207KD	2 7/16
2 1/2	T-8376	T-8376D	MUB 2 1/2	SM1208KB	S1208K	7 1/2 (A&B)	7 1/2	S1208KD	2 1/2
2 11/16	T-18934	T-18934D	MUB 2 11/16	SM1211TKB	S1211K	8 C1 (A&B)	8	S1211KD	2 11/16
2 15/16	T-8306	T-8306D	MUB 2 15/16	SM1215KB	S1215K	9K (A&B)	9	S1215KD	2 15/16
3 3/16	T-9259	T-9259D	MUB 3 3/16	SM1303KB	S1303K	10 (A&B)	10	SA1303KD	3 3/16
3 7/16	T-9260	T-9260D	MUB 3 7/16	SM1307KB	S1307K	11 (A&B)	11	SA1307KD	3 7/16
3 11/16	T-9261	T-9261	MUB 3 11/16	SM1311KB	S1311K	* SA1311W	12	SA1311KD	3 11/16
3 15/16	T-9262	T-9262D	MUB 3 15/16	SM1315KB	S1315	13 (A&B)	13	SA1315KD	3 15/16

† For SADD type, specify replacement bearing unit with Dust-Seal Collar. Example: MUB 1 7/16 with Dust-Seal Collar S1107KD.
* One piece cast iron cap with felt seal. When ordering, specify number followed by "Cap." Example: SA1311W Cap.

SAO · SAOD
SAODD
Types
HEAVY Series



DIMENSIONS

SHAFT DIAMETER Inches	INCHES																BOLTS	
	A	B	C	D	E	F	G	H	J	K	L†	M‡	N‡	R	S‡	T‡	No.	Size
* 5/8 1 1/16	1 1/2	2 3/4	2 29/64	2 1/2	4 1/2	6	2	1/2	5/8	7/8		1 9/64	1 5/16	3 15/64	1 27/64	1 51/64	2	1/2
* 3/4	1 5/8	3	2 45/64	2 3/4	5	6 1/2	2	5/8	5/8	7/8		1 7/32	1 31/64	3 33/64	1 15/32	2 3/64	2	1/2
13/16 7/8 * 15/16 *1	2	3 5/8	2 27/32	3 1/4	5 1/2	7	2 1/8	5/8	5/8	7/8		1 3/16	1 21/32	3 23/32	1 9/16	2 5/32	2	1/2
1 1/16 1 1/8 *1 3/16	2 3/8	4 1/4	3 1/8	3 3/4	6 5/8	8 1/4	2 3/8	11/16	5/8	7/8		1 9/16	1 9/16	4 3/16	1 15/16	2 1/4	2	1/2
*1 1/4 1 5/16 1 3/8 *1 7/16	2 3/4	4 7/8	3 15/64	4 1/4	8 1/4	10 5/8	2 3/4	13/16	3/4	1		1 5/16	1 59/64	4 7/16	1 15/16	2 1/2	2	5/8
*1 1/2 1 9/16	3 1/8	5 15/32	3 21/32	4 11/16	9	11 3/8	3 1/8	13/16	3/4	1		1 15/32	2 3/16	4 25/32	1 31/32	2 13/16	2	5/8
1 5/8 *1 11/16 1 3/4	3 1/8	5 11/16	4	5 1/8	9	11 3/8	3 1/8	13/16	3/4	1		1 15/16	2 1/16	5 3/16	2 7/16	2 3/4	2	5/8
1 13/16 1 7/8 *1 15/16	3 1/8	5 7/8	4 11/32	5 1/2	9	11 3/8	3 1/8	13/16	3/4	1		1 21/32	2 11/16	5 5/8	2 5/32	3 15/32	2	5/8
2 2 1/16 2 1/8 *2 3/16	3 3/4	6 27/32	4 49/64	6 3/16	10 1/4	12 5/8	3 1/2	1 1/16	7/8	1 1/4		2 41/64	2 1/8	6 9/64	3 9/64	3	2	3/4
2 1/4 2 5/16 2 3/8 *2 7/16	4 1/8	7 3/8	4 13/16	6 1/2	11 1/4	13 3/4	4	1 1/16	7/8	1 1/4		2 5/8	2 3/16	6 3/8	3 3/8	3	2	3/4
*2 1/2	4 9/16	8 1/16	5 17/32	7	12	15 3/8	4 3/8	1 1/4	1	1 1/4		2 15/32	3 1/16	6 27/32	2 29/32	3 15/16	2	7/8
*2 11/16	4 9/16	8 3/8	6 3/16	7 5/8	12	15 3/8	4 3/8	1 1/4	1	1 1/4		2 23/32	3 15/32	7 1/2	3 5/32	4 11/32	2	7/8
*2 15/16	4 9/16	8 13/16	6 25/64	8 1/2	12 3/8	15 3/8	4 3/8	1 1/4	1	1 1/4		2 15/32	3 59/64	7 49/64	2 29/32	4 5/64	2	7/8
*3 3/16	4 9/16	8 7/8	6 7/16	8 5/8	12 3/8	15 3/8	4 3/8	1 1/4	1	1 1/4	2 1/4	2 19/32	3 27/32	7 61/64	3 1/32	4 5/64	4	7/8
*3 1/4	5	9 1/2	6 49/64	9	13	15 3/4	4 1/2	1 1/4	1	1 1/4	2 1/2	2 21/32	4 7/64	8 13/16	3 3/32	5 7/64	4	7/8
*3 7/16	5 1/8	9 13/16	7	9 3/8	13 3/8	16 1/8	4 3/4	1 1/4	1	1 1/4	3	2 27/32	4 5/32	8 5/32	3 3/32	5 1/16	4	7/8
*3 11/16	5 11/16	10 9/16	7 11/16	9 3/4	14 3/4	17 5/16	4 15/16	1 1/4	1 1/8	1 1/2		4 3/32	3 19/32	9	4 15/32	4 17/32	2	1
*3 15/16	5 11/16	10 15/16	7 3/4	10 1/2	14 3/4	17 5/16	5 1/8	1 3/8	1 1/8	1 1/2		3 3/32	4 21/32	9 3/16	3 19/32	5 19/32	2	1
*4 3/16	6 1/4	11 3/4	8 17/32	11	17 11/16	21 1/4	6 1/4	1 3/4	1 1/4	1 3/4		3 19/32	4 15/16	9 13/16	3 5/8	6 3/16	2	1 1/8
*4 7/16	6 1/4	12 1/4	8 25/32	12	17 11/16	21 1/4	6 1/4	1 7/8	1 1/4	1 3/4		4 3/32	4 11/16	9 31/32	4 3/32	5 7/8	2	1 1/8
*4 15/16	7 1/2	14 1/2	9 11/16	14	20 1/4	24 13/16	6 11/16	2	1 3/8	2		3 13/16	5 7/8	11 1/16	3 15/16	7 1/8	2	1 1/4

*Preferred sizes.
**2 11/16" and larger use 1/4" pipe plug.
†Where 4 bolts are used, L is the distance between centers and Dimensions M, N, S and T are measured from center of base.
‡Dimensions M, N, S and T are measured from center of bolt, except when 4 bolts are used.
Recommended shaft tolerances: 5/8"–2" = Nominal to —.0005"
2 1/16"–3 15/16" = Nominal to —.0010"
Larger sizes—Consult the Fafnir Engineering Dept.

When ordering bearing replacements for these units specify machine unit symbol MUOB followed by shaft size. Example: MUOB 2 7/16". Refer to page 32 for description of machine units. When ordering dust-seal collar (or rear dust seal) replacements, specify as in the following example: Dust-seal collar (or rear dust seal) only for SAODD 2 7/16".

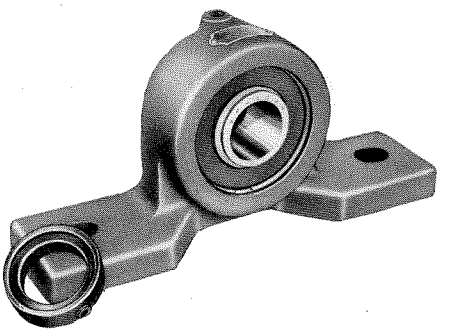
When ordering, specify shaft size. Example: SAO 1 7/16".

Note: SAO Pillow Blocks are equipped with MUOB machine units, described on page 38 with load ratings on page 47.

PILLOW BLOCKS

Similar in design to the standard series SA type pillow block, the SAO type uses a heavier section housing and heavier duty bearing which makes it better suited for installations where the load is heavy in proportion to the shaft diameter or where considerable shock is present.

When fitted with an extra dust-seal collar, it is designated as SAOD Type and when fitted with dust-seal collar and rear dust seal it is designated as SAODD Type. It can also be supplied with the side opposite the collar closed if so specified.



HOUSING and REPLACEMENT PART NUMBERS

SAO • SAOD • SAODD Types

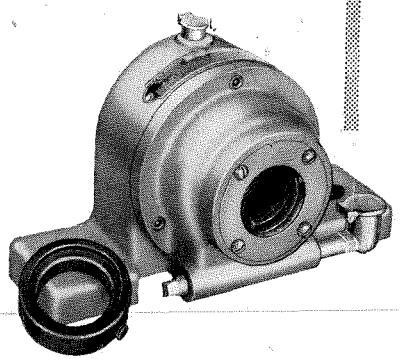
SHAFT DIAM. Inches	SAO and SAOD HOUSING NUMBER	SAODD HOUSING NUMBER	REPLACEMENT BEARING UNIT	BEARING NUMBER	SAO COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER	SAOD and SAODD DUST-SEAL COLLAR NUMBER	REAR DUST SEAL
5/8	T-10181		MUOB 5/8	SMN010KB	SN010K	†SAN011H	3/4		
1 1/16	T-10181		MUOB 1 1/16	SMN011KB	SN011K	†SAN011H	3/4		
3/4	T-11472	T-11472D	MUOB 3/4	SMN012KB	SN012K	N3/4H-2 (A&B)	1	SN012HD	N3/4
13/16	T-6105	T-6105	MUOB 13/16	SMN013KB	SN013K	N1K (A&B)	2	SAN013KD	N13/16
7/8	T-6105	T-6105	MUOB 7/8	SMN014KB	SN014K	N1K (A&B)	2	SAN014KD	N7/8
15/16	T-6105	T-6105	MUOB 15/16	SMN015KB	SN015K	N1K (A&B)	2	SAN015KD	N15/16
1	T-6105	T-6105	MUOB 1	SMN100KB	SN100K	N1K (A&B)	2	SAN100KD	N1
1 1/16	T-6106	T-6106D	MUOB 1 1/16	SMN101KB	SN101K	N2K (A&B)	3	SN101KD	
1 1/8	T-6106	T-6106D	MUOB 1 1/8	SMN102KB	SN102K	N2K (A&B)	3	SN102KD	1 1/8
1 3/16	T-6106	T-6106D	MUOB 1 3/16	SMN103KB	SN103K	N2K (A&B)	3	SN103KD	1 3/16
1 1/4	T-6055	T-6055D	MUOB 1 1/4	SMN104KB	SN104K	N3K (A&B)	3 1/2	SN104KD	1 1/4
1 5/16	T-6055	T-6055D	MUOB 1 5/16	SMN105KB	SN105K	N3K (A&B)	3 1/2	SN105KD	1 5/16
1 3/8	T-6055	T-6055D	MUOB 1 3/8	SMN106KB	SN106K	N3K (A&B)	3 1/2	SN106KD	1 3/8
1 7/16	T-6055	T-6055D	MUOB 1 7/16	SMN107KB	SN107K	N3K (A&B)	3 1/2	SN107KD	1 7/16
1 1/2	T-6949	T-6949	MUOB 1 1/2	SMN108KB	SN108K	N3 1/2K (A&B)	5	SN108KD	1 1/2
1 9/16	T-6949	T-6949	MUOB 1 9/16	SMN109KB	SN109K	N3 1/2K (A&B)	5	SN109KD	1 9/16
1 5/8	T-6107	T-6107D	MUOB 1 5/8	SMN110KB	SN110K	N4K (A&B)	6	SAN110KD	1 5/8
1 11/16	T-6107	T-6107D	MUOB 1 11/16	SMN111KB	SN111K	N4K (A&B)	6	SAN111KD	1 11/16
1 3/4	T-6107	T-6107D	MUOB 1 3/4	SMN112KB	SN112K	N4K (A&B)	6	SAN112KD	1 3/4
1 13/16	T-6108	T-6108D	MUOB 1 13/16	SMN113KB	SN113K	N5K (A&B)	7	SN113KD	1 13/16
1 7/8	T-6108	T-6108D	MUOB 1 7/8	SMN114KB	SN114K	N5K (A&B)	7	SN114KD	1 7/8
1 15/16	T-6108	T-6108D	MUOB 1 15/16	SMN115KB	SN115K	N5K (A&B)	7	SN115KD	1 15/16
2	T-5199	T-5199	MUOB 2	SMN200KB	SN200K	N6K (A&B)	7 1/2	SN200KD	2
2 1/16	T-5199	T-5199	MUOB 2 1/16	SMN201KB	SN201K	N6K (A&B)	7 1/2	SN201KD	
2 1/8	T-5199	T-5199	MUOB 2 1/8	SMN202KB	SN202K	N6K (A&B)	7 1/2	SN202KD	
2 3/16	T-5199	T-5199	MUOB 2 3/16	SMN203KB	SN203K	N6K (A&B)	7 1/2	SN203KD	2 3/16
2 1/4	T-5822	T-5822D	MUOB 2 1/4	SMN204KB	SN204K	N7K (A&B)	9	SN204KD	2 1/4
2 5/16	T-5822	T-5822D	MUOB 2 5/16	SMN205KB	SN205K	N7K (A&B)	9	SN205KD	2 5/16
2 3/8	T-5822	T-5822D	MUOB 2 3/8	SMN206KB	SN206K	N7K (A&B)	9	SN206KD	2 3/8
2 7/16	T-5822	T-5822D	MUOB 2 7/16	SMN207KB	SN207K	N7K (A&B)	9	SN207KD	2 7/16
2 1/2	T-8329	T-8329	MUOB 2 1/2	SMN208KB	SN208K	N7 1/2K (A&B)	10	SN208KD	N2 1/2
2 11/16	T-6890	T-6890	MUOB 2 11/16	SMN211KB	SN211K	N8K (A&B)	11	SN211KD	N2 11/16
2 15/16	T-17900	T-6085D	MUOB 2 15/16	SMN215KB	SN215K	N9K (A&B)	N9	SAN215WD	N2 15/16
3 3/16	T-6290	T-6290	MUOB 3 3/16	SMN303KB	SN303K	N10K (A&B)	12	SN303KD	3 3/16
3 1/4	T-10129	T-10129	MUOB 3 1/4	SMN304KB	SN304K	†SAN305W	13	SAN304KD	
3 7/16	T-8262	T-8262	MUOB 3 7/16	SMN307KB	SN307K	N11K (A&B)	14	SAN307KD	N3 7/16
3 11/16	T-5279	T-5279	MUOB 3 11/16	SMO311KB	SO311K	†SAO311W	15	SO311KD	N3 11/16
3 15/16	T-8564	T-8564	MUOB 3 15/16	SMN315KB	SN315K	†SAN315W	16	SN315KD	N3 15/16
4 3/16	T-8457	T-8457	MUOB 4 3/16	SMN403KB	SN403K	†SAN403W	N14	SN403KD	N4 3/16
4 7/16	T-8359	T-8359	MUOB 4 7/16	SMN407KB	SN407K	†SAN407K	N15	SN407KD	N4 7/16
4 15/16	T-8174	T-8174D	MUOB 4 15/16	SMN415KB	SN415K	†SAN415W	N17	SAN415KD	N4 15/16

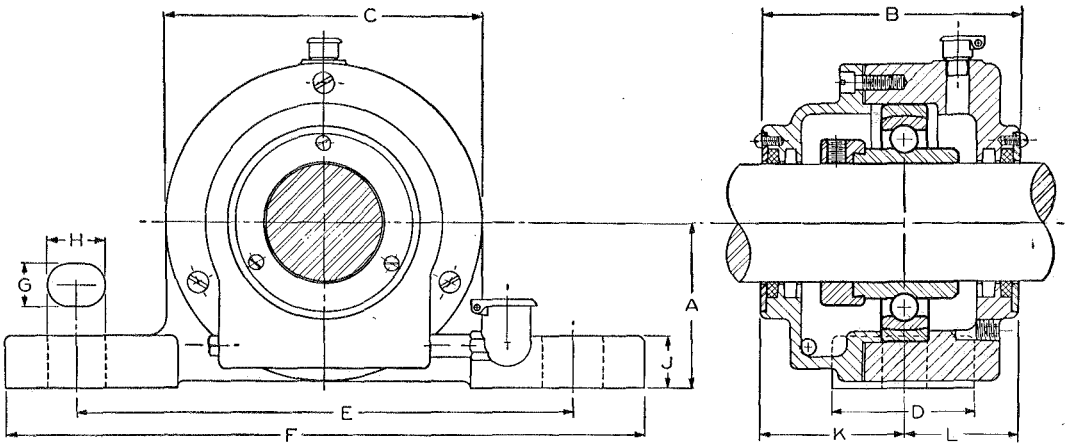
† One-Piece Cast Iron cap with Felt Seal. When ordering, specify number followed by "Cap". Example: SAN403W Cap.
For SAODD Type, specify replacement bearing unit with Dust-Seal Collar. Example: MUOB 1 7/16" with Dust-Seal Collar SN107KD.

SAL Type

STANDARD Series

Fixed and Floating Units





Top half shows floating type; bottom half shows fixed type.

For description of the units shown on these two pages, see opposite page.

DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAM. Inches	INCHES											TOTAL FLOAT Inches	BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER	END CAP NUMBER
	A	B	C	D	E	F	G	H	J	K	L					
1 3/16	2	3 27/32	3 13/16	2 1/8	5 1/2	7	5/8	3/4	1 1/16	2 7/32	1 5/8	1/4	PSM1103S	S1103K	T-12127	T-12128
1 1/4	2 3/8	4 1/8	4 1/4	2 3/8	6 1/4	8 1/4	3/4	1	3/4	2 15/32	1 21/32	1/4	PSM1104S	S1104K	T-13108	T-14491
1 7/16	2 3/8	4 1/8	4 1/4	2 3/8	6 1/4	8 1/4	3/4	1	3/4	2 15/32	1 21/32	1/4	PSM1107S	S1107K	T-13108	T-14491
1 1/2	2 3/8	4 1/4	4 3/4	2 3/8	6 5/8	8 1/4	3/4	1	3/4	2 1/2	1 3/4	5/16	PSM1108TS	S1108K	T-12121	T-12122
1 11/16	2 3/8	4 11/32	4 3/4	2 3/8	6 5/8	8 1/4	3/4	1	3/4	2 19/32	1 3/4	5/16	PSM1111S	S1111K	T-12124	T-12125
1 15/16	2 3/4	4 19/32	5 1/4	2 3/4	8 1/4	10 5/8	3/4	1	7/8	2 23/32	1 7/8	5/16	PSM1115S	S1115K	T-12313	T-12314
2 3/16	3 1/8	5 13/32	5 3/4	3 1/8	9	11 3/8	3/4	1	7/8	3 1/8	2 5/32	5/16	PSM1203S	S1203K	A-5845	B-5845
2 7/16	3 1/8	5 29/32	6 1/4	3 1/8	9	11 3/8	3/4	1	7/8	3 1/2	2 13/16	3/8	PSM1207S	S1207K	A-5083	B-5083
2 1/2	3 3/4	6 5/32	7	3 1/2	10 1/4	12 5/8	7/8	1 1/8	1 1/16	3 5/8	2 17/32	9/32	PSM1208S	S1208K	T-12574	T-12575
2 11/16	3 3/4	6 5/32	6 3/4	3 1/2	10 1/4	12 5/8	7/8	1 1/8	1 1/16	3 5/8	2 17/32	9/32	PSM1211TS	S1211K	T-18940	T-18944
2 15/16	3 3/4	6 27/32	7 1/2	3 1/2	10 1/4	12 5/8	7/8	1 1/8	1 1/16	3 31/32	2 7/8	25/64	PSM1215S	S1215K	A-5088	B-5088
3 3/16	4 1/8	6 29/32	7 7/8	4	11 1/4	13 3/4	7/8	1 1/8	1 1/16	3 29/32	3	3/8	PSM1303S	S1303K	T-16902	T-16903
3 7/16	4 7/16	7 11/32	8 3/8	4 3/8	12 3/8	15 3/8	1	1 1/4	1 1/4	4 7/32	3 1/8	3/8	PSM1307S	S1307K	A-5206	B-5206
3 11/16	4 7/16	8 9/32	9 1/2	4 3/8	12 3/8	15 3/8	1	1 1/4	1 1/4	4 3/4	3 17/32	1/2	PSM1311S	S1311K	T-14201	T-14202
3 15/16	5 1/8	8 17/32	10	4 3/4	13 3/8	16 1/8	1	1 1/4	1 1/4	4 7/8	3 21/32	1/2	PSM1315S	S1315K	A-5183	B-5183

Intermediate sizes furnished on special order.

Recommended shaft tolerances: 1 3/16"–1 15/16" = Nominal to —.0005"

2 3/16"–3 15/16" = Nominal to —.0010"

Load ratings for these units same as those on page 46 for corresponding shaft sizes.

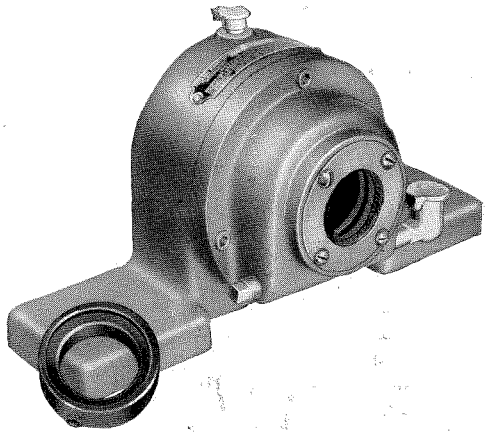
PILLOW BLOCKS

SAL (Standard Series) and SAOL (Heavy Series) pillow blocks are specifically designed for applications involving higher than usual temperatures. They are usually supplied in pairs (one fixed and one floating), the fixed unit locating the shaft, and the floating unit allowing its bearing to move laterally as the shaft expands due to temperature rise.

The SAL Unit is equipped with a wide inner ring bearing of basic 200K Series capacity and having an external self-aligning ring fitted to the spherical surface of the outer ring. The SAOL utilizes the same type bearing but of heavier section and the same capacity as the basic 300K Series. Both are equipped with the self-locking collar.

These units are fitted with oil-tight seals and, though normally fitted for oil lubrication, can be fitted for grease lubrication when specified. For applications requiring termination of the shaft within the housing, they can also be supplied with either end completely closed when specified.

SAOL Type
HEAVY Series
Fixed and Floating Units



DIMENSIONS AND REPLACEMENT PARTS

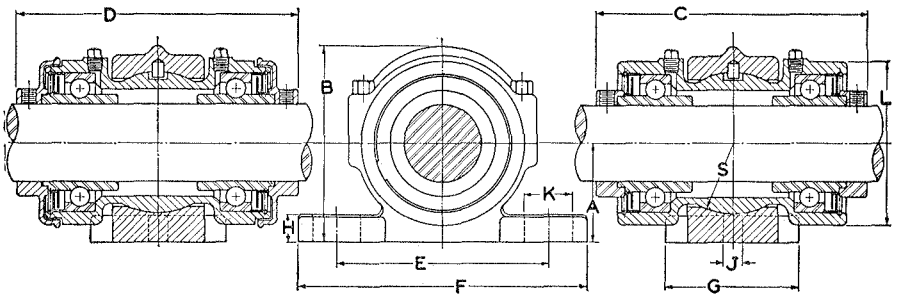
SHAFT DIAM. Inches	INCHES A	B	C	D	E	F	G	H	J	K	L	M †	TOTAL FLOAT Inches	BEARING NUMBER	COLLAR NUMBER	SAOL HOUSING NUMBER	SAOL END CAP NUMBER
1 3/16	2 3/8	4 1/16	4 3/8	2 3/8	6 5/8	8 1/4	5/8	7/8	1 1/16	2 3/8	1 11/16		5/16	PSMN103S	SN103K	T-12389	T-12390
1 1/4	2 3/4	4 3/8	4 3/4	2 3/4	8 1/4	10 5/8	3/4	1	1 3/16	2 23/32	1 21/32		23/64	PSMN104S	SN104K	A-4779	B-4779
1 7/16	2 3/4	4 3/8	4 3/4	2 3/4	8 1/4	10 5/8	3/4	1	1 3/16	2 23/32	1 21/32		23/64	PSMN107S	SN107K	A-4779	B-4779
1 1/2	3 1/8	4 7/8	5 3/4	3 1/8	9	11 3/8	3/4	1	1 3/16	2 15/16	1 15/16		3/8	PSMN108S	SN108K	A-4778A	B-4778A
1 11/16	3 1/8	4 7/8	5 3/4	3 1/8	9	11 3/8	3/4	1	1 3/16	2 15/16	1 15/16		3/8	PSMN111S	SN111K	A-4778	B-4778
1 15/16	3 1/8	4 13/16	6 1/4	3 1/8	9	11 3/8	3/4	1	1 3/16	2 29/32	1 29/32		3/8	PSMN115S	SN115K	A-3818	B-3818
2 3/16	3 3/4	5 1/2	6 3/4	3 1/2	10 1/4	12 5/8	7/8	1 1/4	1 1/16	3 1/4	2 1/4		23/64	PSMN203S	SN203K	A-4755	B-4755
2 7/16	4 1/8	5 29/32	7 1/2	4	11 1/4	13 3/4	7/8	1 1/4	1 1/16	3 19/32	2 5/16		1/32	PSMN207S	SN207K	A-3819	B-3819
2 11/16	4 5/16	6 7/8	8 1/2	4 3/8	12	15 3/8	1	1 1/4	1 1/4	4 5/16	2 5/16		3/8	PSMN211S	SN211K	A-4709	B-4709
2 15/16	4 5/16	7	8 7/8	4 3/8	12 3/8	15 3/8	1	1 1/4	1 1/4	4 1/8	2 7/8		1/2	PSMN215S	SN215K	A-4798	B-4798
3 3/16	4 5/16	7 1/4	9 1/2	4 3/8	12 3/8	15 3/8	1	1 1/4	1 1/4	4 1/4	3	2 1/4	33/64	PSMN303S	SN303K	A-4780	B-4780
3 7/16	5 1/8	7 1/2	10 1/4	4 3/4	13 3/8	16 1/8	1	1 1/4	1 1/4	4 3/8	3 1/8	3	17/32	PSMN307S	SN307K	A-4155	B-4155
3 11/16	5 11/16	8 13/32	11	4 15/16	14 3/4	17 5/16	1 1/8	1 1/2	1 1/4	5 1/4	3 5/32		1/2	PSM0311S	SO311K	A-4156	B-4156
3 15/16	6	8 21/32	11 3/4	5 1/4	15 1/2	18 1/2	1 1/8	1 1/2	1 3/8	5	3 21/32	3 1/4	1 1/16	PSMN315S	SN315K	A-4795	B-4795
4 3/16	6 1/2	8 7/8	12 1/2	6 1/4	17 11/16	21 1/4	1 1/8	1 1/2	1 1/2	5 5/32	3 19/32	4	5/8	PSMN403S	SN403K	T-14342	T-14343
4 7/16	7	9	12 7/8	6 3/4	17 11/16	21 1/4	1 1/4	1 3/4	1 3/4	5 5/16	3 11/16	4 1/4	9/16	PSMN407S	SN407K	T-11469	T-18433
4 15/16	8 1/4	10 5/16	15	7 1/4	20 1/4	24 13/16	1 1/4	1 3/4	2	6	4 5/16	4 3/4	1 15/64	PSMN415S	SN415K	T-11783	T-18434

Recommended shaft tolerances: 1 3/16"–2" = Nominal to —.0005"
2 3/16"–3 15/16" = Nominal to —.0010"
Larger—Consult the Fafnir Engineering Dept.

† Where 4 bolts are used, "M" is the distance between center lines; "K" and "L" being then measured from center of base.
Intermediate sizes furnished on special order.
Load ratings for these units same as those on page 47 for corresponding shaft sizes.

DSA • DSADD Types

STANDARD Series



DSADD Type

DSA Type

DIMENSIONS

SHAFT DIAMETER Inches	INCHES												BOLTS	
	A	B	C	D	E	F	G	H	J	K	L	S	No.	Size
9/16 *5/8 11/16	1 3/16	2 1/2	4 5/16	5 1/16	4 1/4	6	1 3/4	5/8	9/16	1	2 1/16	7/8	2	1/2
*3/4	1 5/16	2 3/4	4 11/16	5 3/8	4 1/2	6 1/4	2	3/4	9/16	1	2 3/8	1 1/32	2	1/2
13/16 7/8 *15/16 *1	1 7/16	3	4 29/32	5 31/64	4 3/4	6 1/2	2	3/4	9/16	1	2 9/16	1 5/32	2	1/2
1 1/16 1 1/8 *1 3/16	1 5/8	3 3/8	5 5/8	6 1/32	5 5/8	7 3/4	2 1/4	3/4	3/4	1 1/4	2 31/32	1 5/16	2	5/8
*1 1/4 1 5/16 1 3/8 *1 7/16	1 13/16	4 1/16	6 11/32	7 7/64	5 7/8	8	2 5/8	13/16	3/4	1 1/4	3 3/8	1 15/32	2	5/8
*1 1/2 1 9/16	2 1/8	4 3/4	6 23/32	7 3/4	6 3/8	8 1/2	3	7/8	3/4	1 1/4	4	1 13/16	2	5/8
1 5/8 *1 11/16 1 3/4	2 1/8	4 3/4	6 3/4	7 9/16	6 3/8	8 1/2	3	7/8	3/4	1 1/4	4	1 13/16	2	5/8
1 13/16 1 7/8 *1 15/16	2 5/16	5 3/16	7 5/64	8 23/32	7 11/16	10 1/4	3 3/8	7/8	7/8	1 1/2	4 5/16	2	2	3/4
2 2 1/16 2 1/8 *2 3/16	2 1/2	5 1/2	7 61/64	8 3 7/64	7 7/8	10 3/8	3 3/4	1	7/8	1 1/2	4 11/16	2 1/8	2	3/4
2 1/4 2 5/16 2 3/8 *2 7/16	2 3/4	6	8 7/16	9 11/16	8 1/4	10 3/4	4	1 1/16	7/8	1 1/2	5 1/4	2 5/16	2	3/4
*2 1/2	2 15/16	6 1/8	9 3/32	10 7/32	8 5/8	11 1/2	4 3/8	1 1/8	7/8	1 3/4	5 5/8	2 15/32	2	3/4
*2 11/16	2 15/16	6 1/8	9 1/8	10 1/4	8 5/8	11 1/2	4 3/8	1 1/8	7/8	1 3/4	5 5/8	2 15/32	2	3/4
*2 15/16	3 3/16	6 7/8	9 63/64	10 55/64	9 1/8	12 1/8	4 3/4	1 3/16	7/8	2	6 1/8	2 11/16	2	3/4
*3 3/16	3 7/8	8	10 31/32	11 2 9/32	9 5/8	12 7/8	5 1/8	1 1/4	1	2 1/8	6 9/16	3	2	7/8
*3 7/16	4 1/2	8 7/8	11 53/64	12 33/64	10	13 1/2	6	1 5/16	1	2 3/8	7 1/8	3 1/8	2	7/8
*3 11/16	4 3/4	9 1/2	12 5/64	13 53/64	10 3/4	14 1/4	6 1/2	1 3/8	1	2 3/8	8	3 1/2	2	7/8
*3 15/16	5 1/8	10 1/8	13 31/32	14 15/32	11	15	7	1 7/16	1	2 1/2	8 3/8	3 5/8	2	7/8

*Preferred sizes.

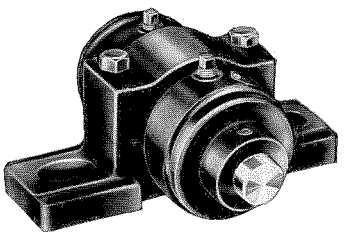
Load ratings for these units twice those on pages 46 and 47 for corresponding shaft sizes.

Recommended shaft tolerances: 9/16"–2" = Nominal to —.0005"

2 1/16"–3 15/16" = Nominal to —.0010"

PILLOW BLOCKS

Standard Series Double Pillow Blocks incorporate two Standard Series Wide Inner Ring Bearings with self-locking collars. The DSA type is equipped with standard labyrinth seals and meets the requirements of normal applications. For unusually dirty applications the DSADD type with dust-seal collars is recommended. Initial self-alignment is provided by means of the spherically surfaced center section of the bearing housing which is free to swivel in the spherical seat of the pillow block before the top cap bolts are tightened.



HOUSING and REPLACEMENT PARTS

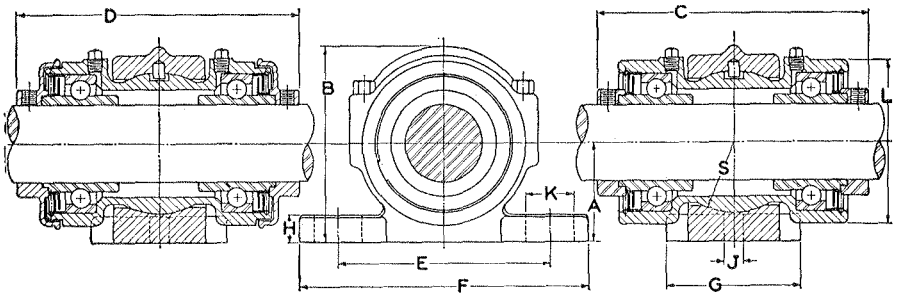
DSA • DSADD Types

SHAFT DIAM. Inches	BEARING HOUSING NUMBER	HOUSING BASE NUMBER	HOUSING TOP CAP NUMBER	REPLACEMENT BEARING UNIT ††	BEARING NUMBER (A Type)	DSA COLLAR NUMBER	WIRE NUMBER	CAPS NUMBER	DSADD DUST-SEAL COLLAR †
9/16	T-10513	T-10511	T-10512	MUA 9/16	SM1009K	S1009K	11/16	11/16K (A&B)	S1009KD
5/8	T-10513	T-10511	T-10512	MUA 5/8	SM1010K	S1010K	11/16	11/16K (A&B)	S1010KD
11/16	T-10513	T-10511	T-10512	MUA 11/16	SM1011K	S1011K	11/16	11/16K (A&B)	S1011KD
3/4	T-13625	T-13623	T-13624	MUA 3/4	SM1012K	S1012K	3/4	3/4H (A&B)	S1012HD
13/16	T-3450	T-3448	T-3449	MUA 13/16	SM1013K	S1013K	1	1K (A&B)	S1013KD
7/8	T-3450	T-3448	T-3449	MUA 7/8	SM1014K	S1014K	1	1K (A&B)	S1014KD
15/16	T-3450	T-3448	T-3499	MUA 15/16	SM1015K	S1015K	1	1K (A&B)	S1015KD
1	T-3450	T-3448	T-3449	MUA 1	SM1100K	S1100K	1	1K (A&B)	S1100KD
1 1/16	T-3305	T-3303	T-3304	MUA 1 1/16	SM1101K	S1101K	2	2K (A&B)	S1101KD
1 1/8	T-3305	T-3303	T-3304	MUA 1 1/8	SM1102K	S1102K	2	2K (A&B)	S1102KD
1 3/16	T-3305	T-3303	T-3304	MUA 1 3/16	SM1103K	S1103K	2	2K (A&B)	S1103KD
1 1/4	T-3129	T-3139	T-3140	MUA 1 1/4	SM1104K	S1104K	3	3K (A&B)	S1104KD
1 5/16	T-3129	T-3139	T-3140	MUA 1 5/16	SM1105K	S1105K	3	3K (A&B)	S1105KD
1 3/8	T-3129	T-3139	T-3140	MUA 1 3/16	SM1106K	S1106K	3	3K (A&B)	S1106KD
1 7/16	T-3129	T-3139	T-3140	MUA 1 7/16	SM1107K	S1107K	3	3K (A&B)	S1107KD
1 1/2	T-6909	T-3240	T-3241	MUA 1 1/2	SM1108KT	S1108KT	3 1/2	3 1/2K (A&B)	S1108KTD
1 9/16	T-6909	T-3240	T-3241	MUA 1 9/16	SM1109KT	S1109KT	3 1/2	3 1/2K (A&B)	S1109KTD
1 5/8	T-3242	T-3240	T-3241	MUA 1 5/8	SM1110K	S1110K	4	4K (A&B)	S1110KD
1 11/16	T-3242	T-3240	T-3241	MUA 1 11/16	SM1111K	S1111K	4	4K (A&B)	S1111KD
1 3/4	T-3242	T-3240	T-3241	MUA 1 3/4	SM1112K	S1112K	4	4K (A&B)	S1112KD
1 13/16	T-596	T-3190	T-3179	MUA 1 13/16	SM1113K	S1113K	5	5K (A&B)	S1113KD
1 7/8	T-596	T-3190	T-3179	MUA 1 7/8	SM1114K	S1114K	5	5K (A&B)	S1114KD
1 15/16	T-596	T-3190	T-3179	MUA 1 15/16	SM1115K	S1115K	5	5K (A&B)	S1115KD
2	T-3260	T-3258	T-3259	MUA 2	SM1200K	S1200K	6	6K (A&B)	S1200KD
2 1/16	T-3260	T-3258	T-3259	MUA 2 1/16	SM1201K	S1201K	6	6K (A&B)	S1201KD
2 1/8	T-3260	T-3258	T-3259	MUA 2 1/8	SM1202K	S1202K	6	6K (A&B)	S1202KD
2 3/16	T-3260	T-3258	T-3259	MUA 2 3/16	SM1203K	S1203K	6	6K (A&B)	S1203KD
2 1/4	T-3127	T-3125	T-3126	MUA 2 1/4	SM1204K	S1204K	7	7K (A&B)	S1204KD
2 5/16	T-3127	T-3125	T-3126	MUA 2 5/16	SM1205K	S1205K	7	7K (A&B)	S1205KD
2 3/8	T-3127	T-3125	T-3126	MUA 2 3/8	SM1206K	S1206K	7	7K (A&B)	S1206KD
2 7/16	T-3127	T-3125	T-3126	MUA 2 7/16	SM1207K	S1207K	7	7K (A&B)	S1207KD
2 1/2	T-3089	T-3087	T-3088	MUA 2 1/2	SM1208K	S1208K	7 1/2	7 1/2 (A&B)	S1208KD
2 11/16	T-18930	T-3087	T-3088	MUA 2 11/16	SM1211KT	S1211K	8	8 C1 (A&B)	S1211D
2 15/16	T-3284	T-3282	T-3283	MUA 2 15/16	SM1215K	S1215K	9	9K (A&B)	S1215KD
3 3/16	T-3279	T-3277	T-3278	MUA 3 3/16	SM1303K	S1303K	10	10 (A&B)	S1303KD
3 7/16	T-3289	T-3287	T-3288	MUA 3 7/16	SM1307K	S1307K	11	11 (A&B)	S1307KD
3 11/16	T-3470	T-3468	T-3469	MUA 3 11/16	SM1311K	S1311K	12	* S1311W	S1311KD
3 15/16	T-3104	T-3109	T-3105	MUA 3 15/16	SM1315K	S1315K	13	13 (A&B)	S1315D

† When ordering Dust-Seal Collars, specify number followed by "Dust-Seal Collar". Example: S1207KD Dust-Seal Collar.
* One-piece cast iron caps with felt seals. When ordering, specify number followed by "Cap". Example: S1403W Cap.
†† Each pillow block takes two bearing units.

DSAO • DSAODD Types

HEAVY Series



DSAODD Type

DSAO Type

DIMENSIONS

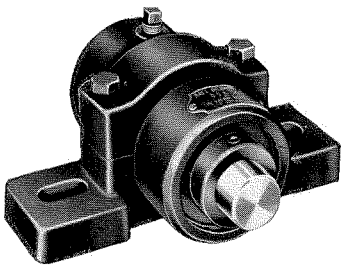
SHAFT DIAMETER Inches	INCHES												BOLTS	
	A	B	C	D	E	F	G	H	J	K	L	S	No.	Size
13/16 7/8 15/16 1	1 5/8	3 5/8	5 45/64	6 29/64	5 5/8	7 3/4	2 1/4	3/4	3/4	1 1/4	2 31/32	1 5/16	2	5/8
1 1/16 1 1/8 1 3/16	1 13/16	4 1/16	6 7/16	7 3/16	5 7/8	8	2 5/8	13/16	3/4	1 1/4	3 3/8	1 15/32	2	5/8
1 1/4 1 5/16 1 3/8 1 7/16	2 1/8	4 3/4	6 55/64	8 7/64	6 3/8	8 1/2	3	7/8	3/4	1 1/4	4	1 13/16	2	5/8
1 1/2 1 9/16	2 5/16	5 3/16	8	9	7 11/16	10 1/4	3 3/8	7/8	7/8	1 1/2	4 5/16	2	2	3/4
1 5/8 1 11/16 1 3/4	2 1/2	5 1/2	7 63/64	8 63/64	7 7/8	10 3/8	3 3/4	1	7/8	1 1/2	4 11/16	2 1/8	2	3/4
1 13/16 1 7/8 1 15/16	2 3/4	6	8 7/32	9 7/32	8 1/4	10 3/4	4	1 1/16	7/8	1 1/2	5 1/4	2 5/16	2	3/4
2 2 1/16 2 1/8 2 3/16	2 15/16	6 1/8	8 53/64	9 53/64	8 5/8	11 1/2	4 3/8	1 1/8	7/8	1 3/4	5 5/8	2 15/32	2	3/4
2 1/4 2 5/16 2 3/8 2 7/16	3 3/16	6 7/8	9 11/16	11 3/16	9 1/8	12 1/8	4 3/4	1 3/16	7/8	2	6 1/8	2 11/16	2	3/4
2 1/2	3 7/8	8	11 31/64	12 23/64	9 5/8	12 7/8	5 1/8	1 1/2	1	2 1/8	6 9/16	3	2	7/8
2 11/16	4 1/2	8 7/8	12 19/32	13 15/32	10	13 1/2	6	1 5/16	1	2 1/4	7 1/8	3 1/8	2	7/8
2 15/16	4 1/2	8 5/8	11 27/32	12 45/64	10	13 1/2	6	1 5/16	1	2 1/4	7 3/8	3	2	7/8
3 3/16	4 3/4	9 1/2	12 31/32	13 27/32	10 3/4	14 1/4	6 1/2	1 3/8	1	2 3/8	8	3 1/2	2	7/8
3 1/4	5 1/8	10 1/8	13 3/8	14 1/2	11	15	7	1 7/16	1	2 1/2	8 3/8	3 5/8	2	7/8
3 7/16	5 3/16	10 7/8	14 1/2	14 3/4	11 1/4	16	7	1 1/2	1 1/4	3 1/4	9	3 15/16	2	1 1/8
3 11/16	5 3/16	10 7/8	15 29/32	16 41/64	12	16	7 1/4	1 1/2	1 1/4	2 3/4	9 3/8	4 1/4	2	1 1/8
3 15/16	5 5/8	11 7/8	15 3/4	16 3/4	15	19 1/2	7 1/2	1 5/8	1 1/4	2 3/4	10 1/4	4 1/2	2	1 1/8
4 3/16	6	12 3/8	17 1/2	17 1/2	16	20 1/2	7 1/2	1 5/8	1 3/8	2 3/4	10 7/8	4 3/4	2	1 1/4
4 7/16	6 1/4	13 1/4	17 31/32	17 31/32	16 1/2	21	8	1 3/4	1 3/8	2 3/4	11 1/2	5	2	1 1/4
4 15/16	7 1/4	15 1/4	19 33/64	19 49/64	19	23 1/2	9	1 3/4	1 3/8	2 3/4	13 1/2	5 1/2	2	1 1/4

Load ratings for these units twice those on page 47 for corresponding shaft sizes.
Recommended shaft tolerances: 9/16"–2" = Nominal to —.0005"
2 1/16"–3 15/16" = Nominal to —.0010"
Larger—Consult the Fafnir Engineering Dept.

*Preferred sizes.

PILLOW BLOCKS

Of the same basic design as the Standard Series Double Pillow Blocks described on page 50, the Heavy Series Double Pillow Blocks use two Heavy Series Wide Inner Ring Bearings with self-locking collars. Particularly suited for heavy duty service, these are available as the DSAO type with standard labyrinth seals, or as the DSAODD type with dust-seal collars for unusually dirty operating conditions.



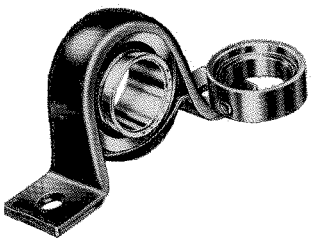
HOUSING and REPLACEMENT PARTS

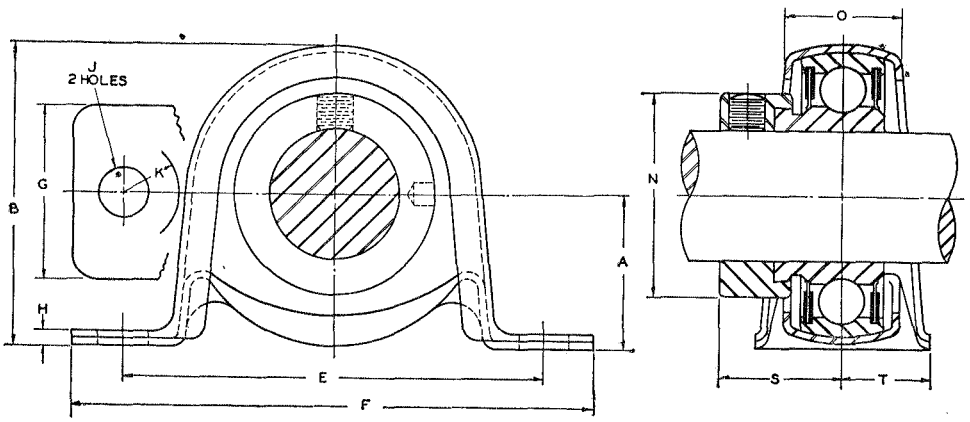
DSAO • DSAODD Types

SHAFT DIAM. Inches	BEARING HOUSING NUMBER	HOUSING BASE NUMBER	HOUSING TOP CAP NUMBER	REPLACEMENT BEARING UNIT ††	BEARING NUMBER	DSAO COLLAR NUMBER	CAPS NUMBER	WIRE NO.	DSAODD DUST-SEAL COLLAR *
13/16	T-3305	T-3303	T-3304	MUOA 13/16	SMN013A	SN013K	N1K (A&B)	2	SN013KD
7/8	T-3305	T-3303	T-3304	MUOA 7/8	SMN014A	SN014K	N1K (A&B)	2	SN014KD
15/16	T-3305	T-3303	T-3304	MUOA 15/16	SMN015A	SN015K	N1K (A&B)	2	SN015KD
1	T-3305	T-3303	T-3304	MUOA 1	SMN100A	SN100K	N1K (A&B)	2	SN100KD
1 1/16	T-3129	T-3139	T-3140	MUOA 1 1/16	SMN101A	SN101K	N2K (A&B)	3	SN101KD
1 1/8	T-3129	T-3139	T-3140	MUOA 1 1/8	SMN102A	SN102K	N2K (A&B)	3	SN102KD
1 3/16	T-3129	T-3139	T-3140	MUOA 1 3/16	SMN103A	SN103K	N2K (A&B)	3	SN103KD
1 1/4	T-6909	T-3240	T-3241	MUOA 1 1/4	SMN104A	SN104K	N3K (A&B)	3 1/2	SN104KD
1 5/16	T-6909	T-3240	T-3241	MUOA 1 5/16	SMN105A	SN105K	N3K (A&B)	3 1/2	SN105KD
1 3/8	T-6909	T-3240	T-3241	MUOA 1 3/8	SMN106A	SN106K	N3K (A&B)	3 1/2	SN106KD
1 7/16	T-6909	T-3240	T-3241	MUOA 1 7/16	SMN107A	SN107K	N3K (A&B)	3 1/2	SN107KD
1 1/2	T-596	T-3190	T-3179	MUOA 1 1/2	SMN108A	SN108K	N3 1/2K (A&B)	5	SN108KD
1 9/16	T-596	T-3190	T-3179	MUOA 1 9/16	SMN109A	SN109K	N3 1/2K (A&B)	5	SN109KD
1 5/8	T-3260	T-3258	T-3259	MUOA 1 5/8	SMN110A	SN110K	N4K (A&B)	6	SN110KD
1 11/16	T-3260	T-3258	T-3259	MUOA 1 11/16	SMN111A	SN111K	N4K (A&B)	6	SN111KD
1 3/4	T-3260	T-3258	T-3259	MUOA 1 3/4	SMN112A	SN112K	N4K (A&B)	6	SN112KD
1 13/16	T-3127	T-3125	T-3126	MUOA 1 13/16	SMN113A	SN113K	N5K (A&B)	7	SN113KD
1 7/8	T-3127	T-3125	T-3126	MUOA 1 7/8	SMN114A	SN114K	N5K (A&B)	7	SN114KD
1 15/16	T-3127	T-3125	T-3126	MUOA 1 15/16	SMN115A	SN115K	N5K (A&B)	7	SN115KD
2	T-3089	T-3087	T-3088	MUOA 2	SMN200A	SN200K	N6K (A&B)	7 1/2	SN200KD
2 1/16	T-3089	T-3087	T-3088	MUOA 2 1/16	SMN201A	SN201K	N6K (A&B)	7 1/2	SN201KD
2 1/8	T-3089	T-3087	T-3088	MUOA 2 1/8	SMN202A	SN202K	N6K (A&B)	7 1/2	SN202KD
2 3/16	T-3089	T-3087	T-3088	MUOA 2 3/16	SMN203A	SN203K	N6K (A&B)	7 1/2	SN203KD
2 1/4	T-3284	T-3282	T-3283	MUOA 2 1/4	SMN204A	SN204K	N7K (A&B)	9	SN204KD
2 5/16	T-3284	T-3282	T-3283	MUOA 2 5/16	SMN205A	SN205K	N7K (A&B)	9	SN205KD
2 3/8	T-3284	T-3282	T-3283	MUOA 2 3/8	SMN206A	SN206K	N7K (A&B)	9	SN206KD
2 7/16	T-3284	T-3282	T-3283	MUOA 2 7/16	SMN207A	SN207K	N7K (A&B)	9	SN207KD
2 1/2	T-3279	T-3277	T-3278	MUOA 2 1/2	SMN208A	SN208K	N7 1/2K (A&B)	10	SN208KD
2 11/16	T-3289	T-3287	T-3288	MUOA 2 11/16	SMN211A	SN211K	N8K (A&B)	11	SN211KD
2 15/16	T-3553	T-8305	T-3278	MUOA 2 15/16	SMN215A	SN215K	N9K (A&B)	N9	SN215KD
3 3/16	T-3470	T-3468	T-3469	MUOA 3 3/16	SMN303A	SN303K	N10K (A&B)	12	SN303KD
3 1/4	T-3104	T-3109	T-3105	MUOA 3 1/4	SMN304A	SN304K	† SN304W	13	SN304KD
3 7/16	T-3493	T-3491	T-3492	MUOA 3 7/16	SMN307A	SN307K	N11K (A&B)	14	SN307KD
3 11/16	T-3299	T-3297	T-3298	MUOA 3 11/16	SMO311A	SO311K	† SO311W	15	SO311KD
3 15/16	T-6936	T-6934	T-6935	MUOA 3 15/16	SMN315A	SN315K	† SN315W	16	SN315KD
4 3/16	T-6922	T-9096	T-6923	MUOA 4 3/16	SMN403A	SN403K	† SN403W	N14	SN403KD
4 7/16	T-5257	T-6815	T-5256	MUOA 4 7/16	SMN407A	SN407K	† SN407W	N15	SN407KD
4 15/16	T-8498	T-8502	T-8506	MUOA 4 15/16	SMN415A	SN415K	† SN415K	N17	SN415KD

* When ordering Dust-Seal Collars, specify number followed by "Dust-Seal Collar". Example: SN207KD Dust-Seal Collar.
† One-piece cast iron caps with felt seals. When ordering, specify number followed by "Cap". Example: SN415K Cap.
†† Each pillow block takes two bearing units.

PB Type





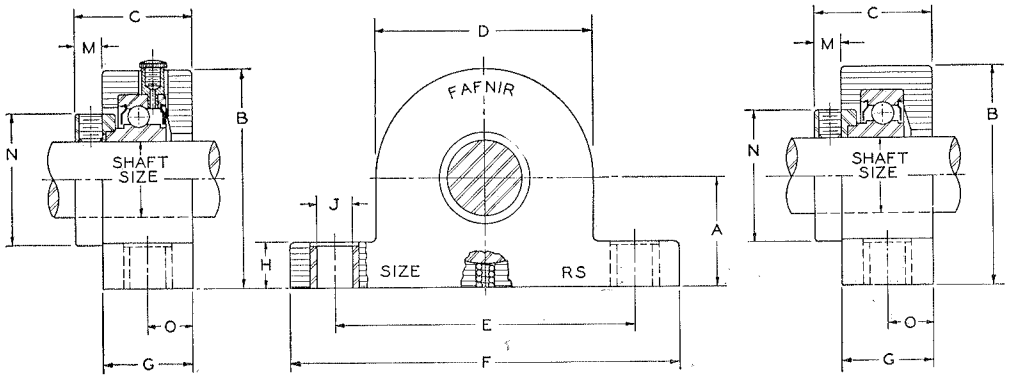
The Type PB Pillow Block is specifically designed for light duty applications to give the advantages of anti-friction bearings at low cost. It consists of a two piece separable steel housing which allows the bearing initial self-alignment in all directions.

The bearing itself is of the Fafnir Wide Inner Ring Type with Self-Locking Collar. Prelubricated, it incorporates the patented Plya-Seal, a diaphragm type contact seal, comprised of three members—a flat flexible sealing washer, which is coated and impregnated with synthetic rubber, between two split retaining rings of thin spring steel.

DIMENSIONS AND REPLACEMENT PARTS

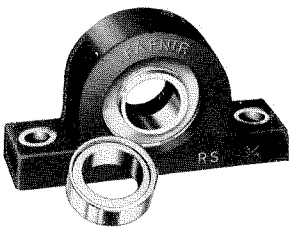
SHAFT DIAMETER Inches	INCHES												BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER	RADIAL LOAD RATING POUNDS †
	A	B	E	F	G	H	J	K	N	O	S	T				
1/2 *9/16 5/8	7/8	1 23/32	2 11/16	3 3/8	1	.100	3/8	13/32	1 3/16	.725	.869	.500	**RA008PPB** **RA009PPB** **RA010PPB**	**S1008K** **S1009K** **S1010K**	**40PB** **40PB** **40PB**	300 300 300
3/4	1	1 63/64	3	3 7/8	1 1/4	.100	3/8	13/32	1 5/16	.850	.923	.625	**RA012PPB**	**S1012K**	**47PB**	350
13/16 7/8 15/16 1	1 1/8	2 13/64	3 3/8	4 1/4	1 1/4	.115	7/16	15/32	1 1/2	.850	.923	.625	**RA013PPB** **RA014PPB** **RA015PPB** **RA100PPB**	**S1013K** **S1014K** **S1015K** **S1100K**	**52PB** **52PB** **52PB** **52PB**	400 400 400 400
1 1/16 1 1/8 1 3/16 1 1/4	1 5/16	2 19/32	3 3/4	4 5/8	1 1/2	.148	7/16	15/32	1 3/4	1.005	1.052	.750	**RA101PPB** **RA102PPB** **RA103PPB** **RA104PPB**	**S1101K** **S1102K** **S1103K** **S1104K**	**62PB** **62PB** **62PB** **62PB**	600 600 600 600

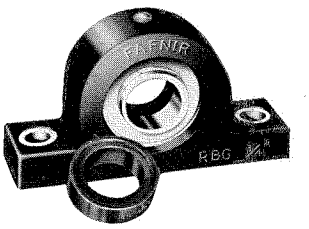
Thrust Rating is 1/3 Radial Rating. Maximum recommended speed is 2400 R.P.M.
When ordering always specify shaft size. Example: PB 1 3/16".
*Not stocked. Will be made as demand justifies tooling.
†Steady loads only.



RUBBER PILLOW BLOCKS

Series RS • RSU RBG • RBGU





Fafnir synthetic rubber pillow blocks are specifically designed for domestic heating, air-conditioning, and ventilating equipment and many industrial applications where low cost, light duty, and noiseless operation are essential. Fafnir Ball Bearings with Self-Locking collar, double shields, and initial supply of long life grease are assembled in the one-piece housings which are made of high grade, long life, molded synthetic rubber.

Rubber pillow blocks without provision for relubrication are designated as the RS series, and with provision for relubrication as the RBG series. Both can be supplied (at a slight additional charge) with a .050 to .062″ thick, corrosion resistant steel strap for applications requiring additional rigidity. When the strap is required add the suffix "U" to the pillow block designation as "RSU" and "RBGU".

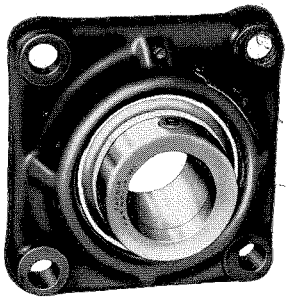
All rubber pillow blocks are packed in pairs—one unit of each being provided with a wire spring in the base for grounding any static electricity which may be generated.

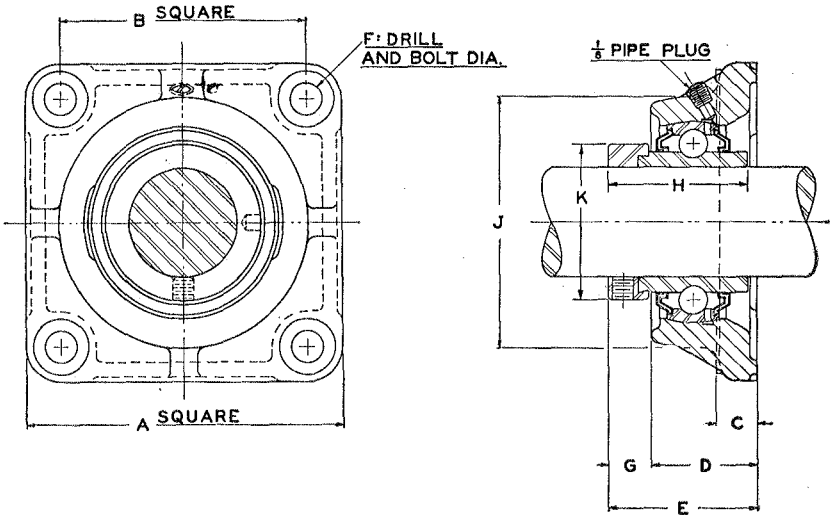
DIMENSIONS AND LOAD RATINGS

SHAFT SIZE Inches	INCHES											Load Ratings lbs. *
	A	B	C	D	E	F	G	H	J	M	N	
½, ⅝	1 1/16	2⅛	1 27/64	2⅛	3⅛	4¼	1 1/16	⅝	31/64	23/64	1 3/16	40
¾	1¼	2½	1 15/32	2½	3½	4⅝	1⅛	⅝	31/64	11/32	1 5/16	50
⅞, 15/16, 1	1 5/16	2 11/16	1 19/32	2¾	3⅞	5	1¼	⅝	31/64	11/32	1½	60
1⅛, 1 3/16	1 9/16	3 3/32	1¾	3 3/16	4½	6	1⅜	¾	39/64	⅜	1 13/16	90

* Load Ratings for the RSU and RBGU Pillow Blocks are approximately twice the above figures.

LCJ Type STANDARD Series Mechani-Seal





DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAMETER Inches	INCHES										BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER
	A	B	C	D	E	F	G	H	J	K			
*½ 9/16 *5/8 11/16	3	2⅛	½	13/32	1 3/64	⅜	31/64	1 15/32	2 1/16	1 3/16	G1008KLLB G1009KLLB G1010KLLB G1011KLLB	S1008K S1009K S1010K S1011K	T-16659 T-16659 T-16659 T-16659
*¾	3⅜	2½	½	1¼	1 51/64	⅜	35/64	1 23/32	2⅜	1 5/16	G1012KLLB	S1012K	T-16661
13/16 ⅞ *15/16 *1	3¾	2¾	9/16	1 5/16	1 27/32	7/16	1/32	1¾	2 9/16	1½	G1013KLLB G1014KLLB G1015KLLB G1100KLLB	S1013K S1014K S1015K S1100K	T-16663 T-16663 T-16663 T-16663
1 1/16 1⅛ *1 3/16	4¼	3¼	⅝	1⅜	2	7/16	⅝	1 29/32	3	1¾	G1101KLLB G1102KLLB G1103KLLB	S1101K S1102K S1103K	T-16664 T-16664 T-16664
*1¼ 1 5/16 1⅜ *1 7/16	4⅝	3⅝	21/32	1 15/32	2⅛	½	21/32	2 1/64	3½	2 3/16	G1104KLLB G1105KLLB G1106KLLB G1107KLLB	S1104K S1105K S1106K S1107K	T-16617 T-16617 T-16617 T-16617
*1½ 1 9/16	5⅛	4	1 1/16	1 19/32	2 5/16	½	23/32	2 7/32	3⅜	2⅜	G1108KLLB G1109KLLB	S1108K S1109K	T-16666 T-16666
1⅝ *1 11/16 1¾	5⅜	4⅛	1 1/16	1⅝	2 5/16	9/16	1 1/16	2 7/32	4⅛	2½	G1110KLLB G1111KLLB G1112KLLB	S1110K S1111K S1112K	T-16667 T-16667 T-16667
1 13/16 1 7/8 *1 15/16	5⅝	4⅜	23/32	1 7/8	2⅝	9/16	¾	2 15/32	4 7/16	2¾	G1113KLLB G1114KLLB G1115KLLB	S1113K S1114K S1115K	T-16668 T-16668 T-16668
2 2 1/16 2⅛ *2 3/16	6⅜	5⅛	25/32	2	2 31/32	⅝	31/32	2 13/16	4¾	3	G1200KLLB G1201KLLB G1202KLLB G1203KLLB	S1200K S1201K S1202K S1203K	T-16683 T-16683 T-16683 T-16683
2¼ 2 5/16 2⅜ *2 7/16	6⅞	5⅝	21/32	2 11/32	3¼	⅝	29/32	3 1/16	5⅜	3 5/16	G1204KLLB G1205KLLB G1206KLLB G1207KLLB	S1204K S1205K S1206K S1207K	T-17648 T-17648 T-17648 T-17648
†*2 11/16	7⅜	5⅞	23/32	2⅝	3½	1 1/16	⅞	3⅜	5⅞	3 13/16	**	**	T-18919

* Preferred sizes.
** MUB 2 11/16" with two sets of caps and wires.
† Not Mechani-Seal Construction. Recommended shaft tolerances: ½"–2" = Nominal to —.0005"
2 1/16"–2 11/16" = Nominal to —.0010"

When ordering, specify shaft size. Example: LCJ 1 7/16".
Note: LCJ Flange Cartridges are equipped with type G-KLLB bearings which are listed on page 41, with load ratings on page 46.

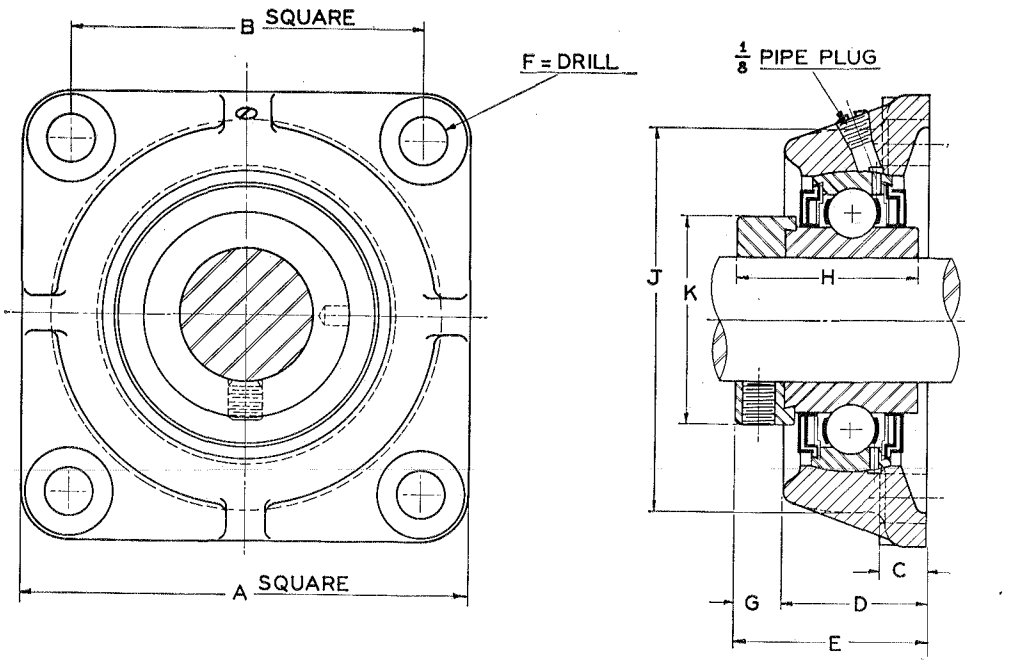
FLANGE CARTRIDGES

LCJO Type
Heavy Series
Mechani-Seal

Fafnir Flange Cartridges are offered for applications where a minimum amount of machining is to be done. The units are supplied completely assembled and are mounted in place by means of bolts through the flange. No boring is necessary.

Flange Cartridges are available in both light and heavy duty types as shown on these pages and incorporate a Fafnir Wide Inner Ring Ball Bearing (Self-Aligning "B" Type) which compensates for shaft misalignment. Integral Mechani-Seals keep lubricant in—dirt out.

For unusually dirty applications, LCJO Flange Cartridges, equipped with mechani-seal bearings, incorporating an internal felt and rubber washer, are available on special order for all sizes except the 1 7/16" shaft size. Specify LCJOF (shaft size).



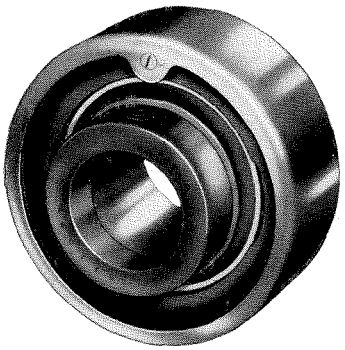
DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAMETER Inches	INCHES										BEARING NUMBER	COLLAR NUMBER	HOUSING NUMBER
	A	B	C	D	E	F	G	H	J	K			
* 1 3/16	4 3/4	3 5/8	9/16	1 1/2	2 3/32	9/16	1 9/32	1 31/32	3 13/16	1 15/16	**GN103KLLB**	**SN103K**	**T-19165**
* 1 7/16	5 1/8	4	5/8	1 19/32	2 5/32	9/16	9/16	2 1/32	4 1/8	2 3/16	**GN107KLLB**	**SN107K**	**T-19167**
† 1 1/2	5 3/8	4 1/8	5/8	1 3/4	2 3/8	5/8	5/8	2 1/4	4 1/2	2 1/2	**GN108KLLB**	**SN108K**	**T-19169**
† 1 11/16	5 5/8	4 3/8	11/16	1 27/32	2 7/16	5/8	1 9/32	2 5/16	4 7/8	2 3/4	**GN111KLLB**	**SN111K**	**T-19171**
† 1 15/16	6 1/2	5 1/8	11/16	2 3/32	2 3/4	11/16	2 1/32	2 5/8	5 5/16	3	**GN115KLLB**	**SN115K**	**T-19173**
† 2 3/16	7	5 5/8	11/16	2 5/16	3	11/16	11/16	2 7/8	6 1/16	3 1/4	**GN203KLLB**	**SN203K**	**T-19175**
† 2 7/16	7 1/2	5 7/8	3/4	2 9/16	3 5/16	13/16	3/4	3 1/8	6 5/16	3 1/2	**GN207KLLB**	**SN207K**	**T-19177**
† 2 11/16	8 7/8	7	7/8	2 27/32	3 11/16	15/16	2 7/32	3 1/2	7 5/16	4	**GN211KLLB**	**SN211K**	**T-19179**
† 2 15/16	9 1/8	7 1/4	7/8	3 1/16	4 1/8	15/16	1 1/16	3 15/16	7 13/16	4 7/16	**GN215HLLB**	**SN215K**	**T-19181**

F = Drill 1/16 larger than bolt.
* Stocked.
† To be made as demand justifies tooling.
When ordering, specify shaft size. Example: LCJO 1 7/16".
Note: LCJO Flange Cartridges are equipped with GN-KLLB bearings, which are listed on page 41 with load ratings on page 47.

LC Type STANDARD Series

DIMENSIONS AND REPLACEMENT PARTS



Fafnir Cylindrical Cartridges are convenient units for mounting in straight bored housings. All types incorporate a Wide Inner Ring bearing with Self-Locking collar and spherical outside diameter which is fitted to a corresponding spherical seat in the cartridge to provide self-alignment.

The "LC" Type incorporates a bearing with integral Mechani-Seals and basic 200K Series capacity. The "C" Type has a frictionless labyrinth type seal as described on page 32 and a bearing of basic 200K Series single row radial capacity. The "CO" Type is similar in design to the "C" Type except that the bearing is basically of 300K Series single row radial capacity. All have provision for relubrication.

SHAFT DIAM. Inches	INCHES A	INCHES B	INCHES C	HOUSING NUMBER	BEARING NUMBER	COLLAR NUMBER
1/2					G1008KLLB	S1008K
9/16					G1009KLLB	S1009K
* 5/8	2 11/16	1 3/16	2 1/64	T-16793	G1010KLLB	S1010K
11/16					G1011KLLB	S1011K
* 3/4	2 15/16	1 7/16	2 1/64	T-16795	G1012KLLB	S1012K
13/16					G1013KLLB	S1013K
7/8					G1014KLLB	S1014K
* 15/16	3 1/8	1 1/2	5/16	T-16797	G1015KLLB	S1015K
*1					G1100KLLB	S1100K
1 1/16					G1101KLLB	S1101K
1 1/8	3 1/2	1 1/2	7/16	T-16798	G1102KLLB	S1102K
*1 3/16					G1103KLLB	S1103K
*1 1/4					G1104KLLB	S1104K
1 5/16					G1105KLLB	S1105K
1 3/8	3 7/8	1 9/16	1/2	T-16686	G1106KLLB	S1106K
*1 7/16					G1107KLLB	S1107K
*1 1/2				T-16800	G1108KLLB	S1108K
1 9/16					G1109KLLB	S1109K
1 5/8	4 3/16	1 3/4	1/2		G1110KLLB	S1110K
*1 11/16				T-16687	G1111KLLB	S1111K
1 3/4					G1112KLLB	S1112K
1 13/16					G1113KLLB	S1113K
1 7/8	4 9/16	2 1/16	15/32	T-16802	G1114KLLB	S1114K
*1 15/16					G1115KLLB	S1115K
2					G1200KLLB	S1200K
2 1/16					G1201KLLB	S1201K
2 1/8	4 15/16	2 5/16	9/16	T-16804	G1202KLLB	S1202K
*2 3/16					G1203KLLB	S1203K
*2 7/16	5 7/8	2 9/16	2 5/32	T-17927	G1207KLLB	S1207K

* Preferred sizes.
Recommended shaft tolerances: 1/2"–2" = Nominal to —.0005"
2 1/16"–2 7/16" = Nominal to —.0010".
When ordering, specify shaft size. Example: LC 1 7/16".
Note: LC Cylindrical Cartridges are equipped with G-KLLB bearings, which are listed on page 41 with load ratings on page 46.

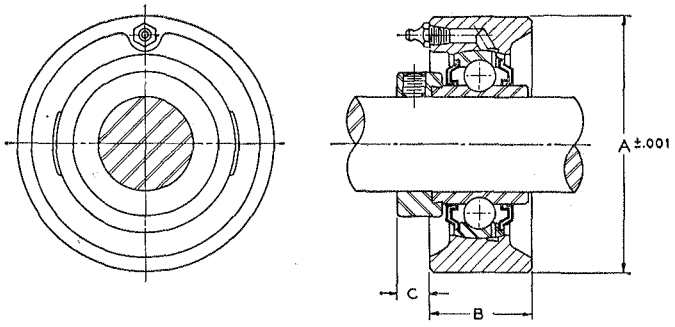
C Type STANDARD Series

DIMENSIONS AND REPLACEMENT PARTS

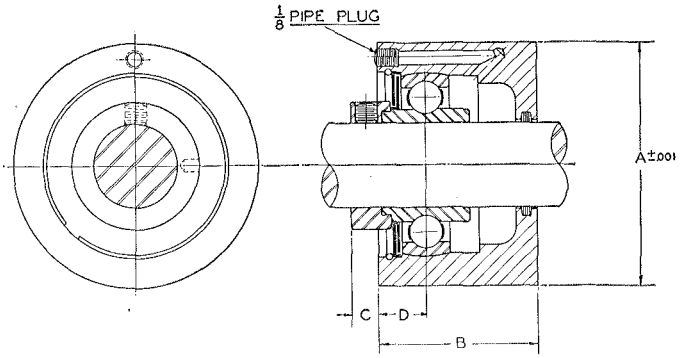
SHAFT DIAM. Inches	INCHES A	INCHES B	INCHES C	INCHES D	HOUSING NUMBER	REPLACEMENT BEARING UNIT	BEARING NUMBER	COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER
*2 7/16	5 7/8	3 1/2	25/32	1 1/16	A-2624	MUB 2 7/16	SM1207B	S1207K	7(A&B)	7
*2 1/2	6 1/4	3 3/4	53/64	1 13/64	Q-2624	MUB 2 1/2	SM1208B	S1208K	7 1/2(A&B)	7 1/2
*2 11/16	6 1/4	3 15/16	53/64	1 13/64	T-18878	MUB 2 11/16	SM1211TB	S1211K	8C1(A&B)	8
*2 15/16	6 5/8	4 1/4	3/4	1 15/32	T-2624	MUB 2 15/16	SM1215B	S1215K	9K(A&B)	9
*3 3/16	7	4 1/2	53/64	1 33/64	T-12941	MUB 3 3/16	SM1303B	S1303K	10(A&B)	10
*3 7/16	7 7/16	4 5/8	29/32	1 9/16	N-2624	MUB 3 7/16	SM1307B	S1307K	11(A&B)	11
*3 11/16	8 3/16	5 1/4	31/32	1 11/16	T-12754	MUB 3 11/16	SM1311B	S1311K	†SA1311W	12
*3 15/16	8 5/8	5 3/8	1 19/64	1 43/64	T-12670	MUB 3 15/16	SM1315B	S1315K	13(A&B)	13

* Preferred sizes.
Recommended shaft tolerance: Nominal to —.0010".
When ordering, specify shaft size. Example: C 2 7/16".
Note: C Cylindrical Cartridges are equipped with MUB machine units, described on page 38, with load ratings on page 46.
Recommended Housing Bore: Shaft Rotating—Nominal +.001 — .003.
Shaft Stationary—Nominal +.000 — .002.
Avoid excessive tightening of anchor bolts.
† One piece cast iron cap with felt seal.
When ordering, specify number followed by "Cap". Example: SA1311W Cap.

CYLINDRICAL CARTRIDGES



LC Type



C and CO Types

DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAM. Inches	INCHES A	B	C	D	HOUSING NUMBER	REPLACEMENT BEARING UNIT	BEARING NUMBER	COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER
* 3/4	3 1/8	2 1/8	15/32	45/64	**O-2624**	MUOB 3/4	**SMN012B**	**SN012K**	**N3/4H2(A&B)**	1
13/16	3 5/8	2 3/8	15/32	23/32	**P-2624**	MUOB 13/16	**SMN013B**	**SN013K**	**N1K(A&B)**	2
7/8						MUOB 7/8	**SMN014B**	**SN014K**	**N1K(A&B)**	2
* 15/16						MUOB 15/16	**SMN015B**	**SN015K**	**N1K(A&B)**	2
* 1						MUOB 1	**SMN100B**	**SN100K**	**N1K(A&B)**	2
1 1/16	3 7/8	2 9/16	1/2	25/32	**M-2624**	MUOB 1 1/16	**SMN101B**	**SN101K**	**N2K(A&B)**	3
1 1/8						MUOB 1 1/8	**SMN102B**	**SN102K**	**N2K(A&B)**	3
* 1 3/16						MUOB 1 3/16	**SMN103B**	**SN103K**	**N2K(A&B)**	3
* 1 1/4	4 3/16	2 3/4	31/64	53/64	**H-2624**	MUOB 1 1/4	**SMN104B**	**SN104K**	**N3K(A&B)**	3 1/2
1 5/16						MUOB 1 5/16	**SMN105B**	**SN105K**	**N3K(A&B)**	3 1/2
1 3/8						MUOB 1 3/8	**SMN106B**	**SN106K**	**N3K(A&B)**	3 1/2
* 1 7/16						MUOB 1 7/16	**SMN107B**	**SN107K**	**N3K(A&B)**	3 1/2
* 1 1/2	4 9/16	3 1/8	19/32	7/8	**I-2624**	MUOB 1 1/2	**SMN108B**	**SN108K**	**N3 1/2K(A&B)**	5
1 9/16						MUOB 1 9/16	**SMN109B**	**SN109K**	**N3 1/2K(A&B)**	5
1 5/8	4 15/16	3 7/16	5/8	29/32	**V-2624**	MUOB 1 5/8	**SMN110B**	**SN110K**	**N4K(A&B)**	6
* 1 11/16						MUOB 1 11/16	**SMN111B**	**SN111K**	**N4K(A&B)**	6
1 3/4						MUOB 1 3/4	**SMN112B**	**SN112K**	**N4K(A&B)**	6
1 13/16	5 7/8	3 11/16	21/32	1	**C-2624**	MUOB 1 13/16	**SMN113B**	**SN113K**	**N5K(A&B)**	7
1 7/8						MUOB 1 7/8	**SMN114B**	**SN114K**	**N5K(A&B)**	7
* 1 15/16						MUOB 1 15/16	**SMN115B**	**SN115K**	**N5K(A&B)**	7
2	6 1/4	3 7/8	45/64	1 5/64	**R-2624**	MUOB 2	**SMN200B**	**SN200K**	**N6K(A&B)**	7 1/2
2 1/16						MUOB 2 1/16	**SMN201B**	**SN201K**	**N6K(A&B)**	7 1/2
2 1/8						MUOB 2 1/8	**SMN202B**	**SN202K**	**N6K(A&B)**	7 1/2
* 2 3/16						MUOB 2 3/16	**SMN203B**	**SN203K**	**N6K(A&B)**	7 1/2
2 1/4	6 5/8	4 1/8	1 1/16	1 7/32	**G-2624**	MUOB 2 1/4	**SMN204B**	**SN204K**	**N7K(A&B)**	9
2 5/16						MUOB 2 5/16	**SMN205B**	**SN205K**	**N7K(A&B)**	9
2 3/8						MUOB 2 3/8	**SMN206B**	**SN206K**	**N7K(A&B)**	9
* 2 7/16						MUOB 2 7/16	**SMN207B**	**SN207K**	**N7K(A&B)**	9
* 2 1/2	7	4 1/2	3/4	1 9/32	**T-12941A**	MUOB 2 1/2	**SMN208B**	**SN208K**	**N7 1/2K(A&B)**	10
* 2 15/16	7 13/16	5 3/8	1 1/64	1 29/64	**K-2624**	MUOB 2 15/16	**SMN215B**	**SN215K**	**N9K(A&B)**	N9
* 3 3/16	8 3/16	5 7/16	1	1 19/32	**T-17527**	MUOB 3 3/16	**SMN303B**	**SN303K**	**N10K(A&B)**	12
* 3 7/16	9	6	1 1/8	1 19/32	**A-5047**	MUOB 3 7/16	**SMN307B**	**SN307K**	**N11K(A&B)**	14

CO Type

HEAVY Series

* Preferred sizes.

Recommended shaft tolerances: 3/4"–2" = Nominal to —.0005";
2 1/16"–3 7/16" = Nominal to —.0010".

When ordering, specify shaft size. Example: CO 1 7/16".

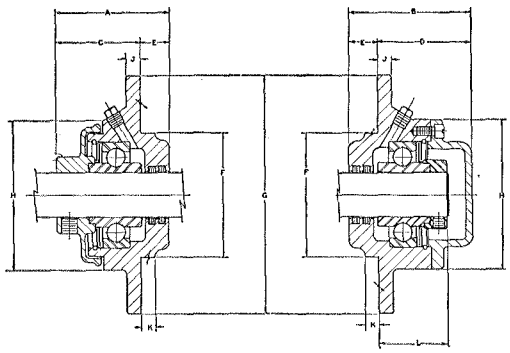
Note: CO Cylindrical Cartridges are equipped with MUOB machine units described on page 38 with load ratings on page 47.

Recommended Housing Bore: Shaft Rotating—Nominal +.001—.003
Shaft Stationary—Nominal +.000—.002

Avoid excessive tightening of anchor bolts.

MOTOR CARTRIDGES

MC Type



Pulley End Closed End

This unit is a flange cartridge developed particularly for electric motor applications.

The Motor Cartridge is furnished complete with Heavy Series Wide Inner Ring Bearing, Collar, Cap, and Wire. Designed to be bolted into the motor end-bell, it provides a very satisfactory and economical mounting, and is particularly advantageous in the replacement of plain bearings with ball bearings, it being necessary simply to bore out the end-bell housing, and bolt or weld the motor cartridge to it.

DIMENSIONS

SHAFT DIAMETER Inches	INCHES										
	A	B	C	D	E	F +.000 −.005	G	H	J	K	L
* 15/16, 3/4, 13/16, 7/8, 1	2 15/16	3 7/32	2 7/32	2 1/2	2 3/32	3	5 11/16	3 5/16	3/8	3/8	1.8500
* 1 3/16, 1 1/16, 1 1/8	3 3/32	3 3/8	2 5/16	2 19/32	2 5/32	3 5/16	6 3/8	4	3/8	3/8	1.9360
* 1 1/4, * 1 7/16, 1 5/16, 1 3/8	3 13/32	3 19/32	2 11/16	2 7/8	2 3/32	3 11/16	6 9/16	4 1/4	7/16	7/16	2.0538
* 1 1/2, 1 9/16	3 1/2	3 27/32	2 23/32	3 1/16	2 5/32	4 1/8	7	4 3/4	7/16	7/16	2.2186
* 1 11/16, 1 5/8, 1 3/4	3 19/32	3 29/32	2 3/4	3 1/16	2 7/32	4 5/8	7 5/8	5 5/16	7/16	7/16	2.2419
* 1 15/16, 1 13/16, 1 7/8	3 5/64	4 5/32	2 39/64	2 7/8	1 9/32	5 5/16	8 1/16	5 3/4	1/2	1/2	2.1096
* 2 3/16, 2, 2 1/16, 2 1/8	4 25/64	4 5/8	2 45/64	2 15/16	1 11/16	5 23/32	9 3/16	6 1/8	1/2	1/2	2.1958
* 2 7/16, 2 1/4, 2 5/16, 2 3/8	5 1/16	5 3/4	3 3/16	3 7/8	1 7/8	6 3/8	9 1/2	6 1/2	1/2	1/2	2.4384
* 2 1/2	5 3/32	5 5/8	3 13/32	3 15/16	1 11/16	6 5/8	10 3/8	6 7/8	9/16	9/16	2.9620
* 2 11/16	5 11/16	5 7/8	3 5/8	3 13/16	2 1/16	7 3/8	11 1/8	7 5/16	9/16	9/16	3.1733
* 2 15/16	5 39/64	6 3/32	3 29/64	3 15/16	2 5/32	7 3/4	12 3/8	8 1/4	1 1/16	1 1/16	3.0096
* 3 1/16	5 27/32	6 13/32	3 1/2	4 1/16	2 11/32	8 1/16	13	9 1/4	1 1/16	1 1/16	3.0645
* 3 1/4	5 63/64	6 17/32	3 49/64	4 5/16	2 7/32	8 1/4	13 3/4	9	3/4	3/4	3.3227
* 3 7/16	6 1/32	6 21/32	3 11/16	4 5/16	2 11/32	9	14 3/8	10 1/16	3/4	3/4	3.4402

REPLACEMENT PARTS

SHAFT DIAM. Inches	HOUSING NUMBER	REPLACEMENT BEARING UNIT Specify Dust-Seal Collar for Pulley End	BEARING NUMBER (A-Type)	COLLAR NUMBER	CLOSED END COVER	CAPS NUMBER	WIRE NO.	DUST-SEAL COLLAR NUMBER ‡	SHAFT DIAM. Inches	HOUSING NUMBER	REPLACEMENT BEARING UNIT Specify Dust-Seal Collar for Pulley End	BEARING NUMBER (A-Type)	COLLAR NUMBER	CLOSED END COVER	CAPS NUMBER	WIRE NO.	DUST-SEAL COLLAR NUMBER ‡
3/4	A-4202A	MUOA 3/4	SMN012K	SN012H	B-4202A	N3/4H2(A&B)	1	SN012HD	1 13/16	A-3698	MUOA 1 13/16	SMN113K	SN113K	B-3698	N5K(A&B)	7	SN113KD
13/16	A-4202	MUOA 13/16	SMN013K	SN013K	B-4202	N1K(A&B)	2	SN013KD	1 7/8	A-3698	MUOA 1 7/8	SMN114K	SN114K	B-3698	N5K(A&B)	7	SN114KD
7/8	A-4202	MUOA 7/8	SMN014K	SN014K	B-4202	N1K(A&B)	2	SN014KD	1 15/16	A-3698	MUOA 1 15/16	SMN115K	SN115K	B-3698	N5K(A&B)	7	SN115KD
15/16	A-4202	MUOA 15/16	SMN015K	SN015K	B-4202	N1K(A&B)	2	SN015KD	2	A-3999	MUOA 2	SMN200K	SN200K	B-3999	N6K(A&B)	7½	SN200KD
1	A-4202	MUOA 1	SMN100K	SN100K	B-4202	N1K(A&B)	2	SN100KD	2 1/16	A-3999	MUOA 2 1/16	SMN201K	SN201K	B-3999	N6K(A&B)	7½	SN201KD
1 1/16	A-3886	MUOA 1 1/16	SMN101K	SN101K	A-3098	N2K(A&B)	3	SN101KD	2 1/8	A-3999	MUOA 2 1/8	SMN202K	SN202K	B-3999	N6K(A&B)	7½	SN202KD
1 1/8	A-3886	MUOA 1 1/8	SMN102K	SN102K	A-3098	N2K(A&B)	3	SN102KD	2 3/16	A-3999	MUOA 2 3/16	SMN203K	SN203K	B-3999	N6K(A&B)	7½	SN203KD
1 3/16	A-3886	MUOA 1 3/16	SMN103K	SN103K	A-3098	N2K(A&B)	3	SN103KD	2 1/4	A-4192	MUOA 2 1/4	SMN204K	SN204K	C-3466	N7K(A&B)	9	SN204KD
1 1/4	A-3907	MUOA 1 1/4	SMN104K	SN104K	C-2749	N3K(A&B)	3½	SN104KD	2 5/16	A-4192	MUOA 2 5/16	SMN205K	SN205K	C-3466	N7K(A&B)	9	SN205KD
1 5/16	A-3907	MUOA 1 5/16	SMN105K	SN105K	C-2749	N3K(A&B)	3½	SN105KD	2 3/8	A-4192	MUOA 2 3/8	SMN206K	SN206K	C-3466	N7K(A&B)	9	SN206KD
1 3/8	A-3907	MUOA 1 3/8	SMN106K	SN106K	C-2749	N3K(A&B)	3½	SN106KD	2 7/16	A-4192	MUOA 2 7/16	SMN207K	SN207K	C-3466	N7K(A&B)	9	SN207KD
1 7/16	A-3907	MUOA 1 7/16	SMN107K	SN107K	C-2749	N3K(A&B)	3½	SN107KD	2½	A-4000	MUOA 2½	SMN208K	SN208K	T-18775	N7½K(A&B)	10	SN208KD
1½	B-3611	MUOA 1½	SMN108K	SN108K	B-3475	N3½K(A&B)	5	SN108KD	2 11/16	T-13360	MUOA 2 11/16	SMN211K	SO211K	T-13361	N8K(A&B)	11	SN211KD
1 9/16	B-3611	MUOA 1 9/16	SMN109K	SN109K	B-3475	N3½K(A&B)	5	SN109KD	2 15/16	A-5069	MUOA 2 15/16	SMN215K	SN215K	C-3467	N9K(A&B)	N9	SN215KD
1 5/8	A-3611	MUOA 1 5/8	SMN110K	SN110K	B-3666	N4K(A&B)	6	SAN110KD	3 3/16	A-5545	MUOA 3 3/16	SMN303K	SN303K	B-5545	N10K(A&B)	12	SN303KD
1 11/16	A-3611	MUOA 1 11/16	SMN111K	SN111K	B-3666	N4K(A&B)	6	SAN111KD	3 1/4	A-4350	MUOA 3 1/4	SMN304K	SN304K	T-17269	SN305W†	13	SAN304WD
1 3/4	A-3611	MUOA 1 3/4	SMN112K	SN112K	B-3666	N4K(A&B)	6	SAN112KD	3 7/16	A-4585	MUOA 3 7/16	SMN307K	SN307W	B-4585	N11K(A&B)	14	SN307WD

* Preferred sizes. Load ratings for these units same as those on page 47 for corresponding shaft sizes.

Recommended shaft tolerances: 3/4"–2" = Nominal to −.0005"
2 1/16"–3 7/16" = Nominal to −.0010"

† One-piece cast iron cap with felt seal. When ordering specify number followed by "Cast Iron Cap". Example: SN305W Cast Iron Cap.

‡ When ordering specify number followed by "Dust-Seal Collar". Example: SN107KD Dust-Seal Collar.

FLANGETTES

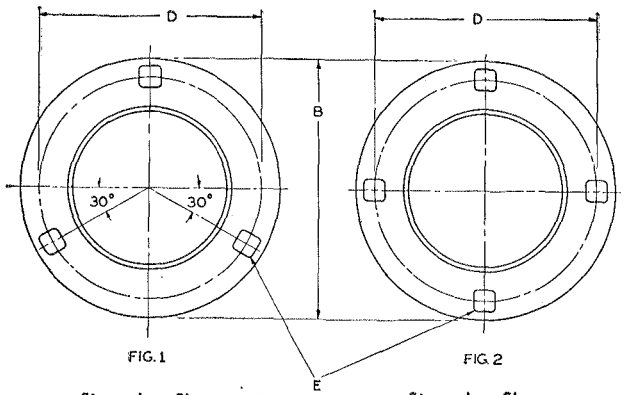


FIG. 1

Stamping Sizes 40MS – 72MS

HOLE WIDTH (SQ) TOLERANCE ±.005

Stamping Sizes 80MS – 100MS

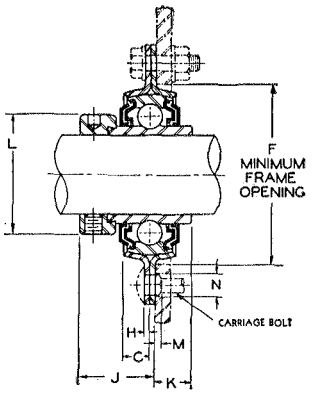
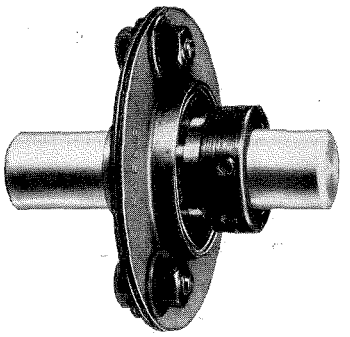


FIG. 2

FLANGETTES



Fafnir Flangettes are comprised of two interchangeable pressed steel flanges which house a standard Fafnir Wide Inner Ring Ball Bearing with self-locking collar, providing a complete, inexpensive housed unit for *light duty, slow speed* applications. Compact, easily installed, and prelubricated, they assure the advantages of ball bearing performance at new low cost.

DIMENSIONS AND REPLACEMENT PARTS (With Mechani-Seal Bearings)

STAMPING SIZE	SHAFT DIAM. (Inches)	BEARING NUMBER	COLLAR NUMBER	INCHES B	C	D	E HOLE WIDTH	F	H	J	K	L	BOLT SIZE	M SHORT SHANK	M LONG SHANK	N FLANGE HOLE DIAM. TO CLEAR SQUARE SHANK	STAMPING RADIAL LOAD RATING LBS.
40MS	1/2	**1008KLLB**	**S1008K**	3 3/16	9/32	2 1/2	9/32	1 15/16	.075	1	1/2	1 3/16	1/4	.026	.120	13/32	400
40MS	5/8	**1010KLLB**	**S1010K**														
47MS	3/4	**1012KLLB**	**S1012K**	3 5/16	5/16	2 13/16	11/32	2 3/16	.083	1 1/8	5/8	1 5/16	5/16	.057	.151	1/2	450
52MS	7/8	**1014KLLB**	**S1014K**	3 3/4	11/32	3	11/32	2 3/8	.083	1 1/8	5/8	1 1/2	5/16	.057	.151	1/2	500
52MS	15/16	**1015KLLB**	**S1015K**														
52MS	1	**1100KLLB**	**S1100K**														
62MS	1 1/8	**1102KLLB**	**S1102K**	4 7/16	11/32	3 9/16	13/32	2 13/16	.104	1 9/32	5/8	1 3/4	3/8	.053	.146	19/32	750
62MS	1 3/16	**1103KLLB**	**S1103K**														
62MS	1 1/4	**1103KLLB3**	**S1103K3**														
72MS	1 5/16	**1105KLLB**	**S1105K**	4 13/16	3/8	3 15/16	13/32	3 3/16	.104	1 3/8	2 1/32	2 3/16	3/8	.053	.146	19/32	950
72MS	1 3/8	**1106KLLB**	**S1106K**														
72MS	1 7/16	**1107KLLB**	**S1107K**														
80MS	1 1/2	**1108KLLB**	**S1108K**	5 13/16	13/32	4 11/16	17/32	3 9/16	.134	1 1/2	3/4	2 3/8	1/2	.063	.157	49/64	1150
80MS	1 9/16	**1109KLLB**	**S1109K**														
85MS	1 5/8	**1110KLLB**	**S1110K**	5 7/8	7/16	4 3/4	17/32	3 13/16	.134	1 1/2	3/4	2 1/2	1/2	.063	.157	49/64	1150
85MS	1 11/16	**1111KLLB**	**S1111K**														
90MS	1 15/16	**1115KLLB**	**S1115K**	6 1/8	7/16	5	17/32	4	.149	1 21/32	2 7/32	2 3/4	1/2	.013	.107	49/64	1250
100MS	2 3/16	**1203KLLB**	**S1203K**	6 9/16	15/32	5 7/16	17/32	4 7/16	.149	1 7/8	3 1/32	3	1/2	.013	.107	49/64	1550

When ordering complete unit, designate as LL Flangette. Specify shaft size. Example: LL 1 3/16" Flangette.

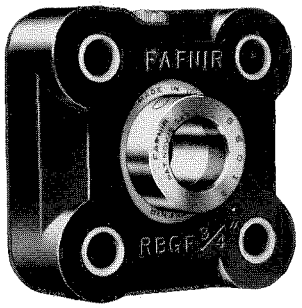
(With Plya-Seal Bearings)

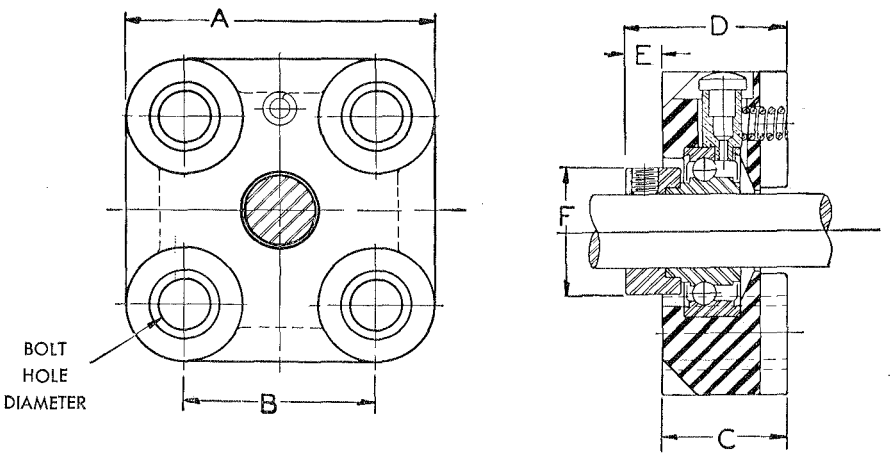
40MS	1/2	**RA008PPB**	**S1008K**	3 3/16	9/32	2 1/2	9/32	1 15/16	.075	15/16	7/32	1 3/16	1/4	.026	.120	13/32	400
40MS	5/8	**RA010PPB**	**S1010K**														
47MS	3/4	**RA012PPB**	**S1012K**	3 5/16	5/16	2 13/16	11/32	2 3/16	.083	63/64	1/4	1 5/16	5/16	.057	.151	1/2	450
52MS	7/8	**RA014PPB**	**S1014K**	3 3/4	11/32	3	11/32	2 3/8	.083	63/64	9/32	1 1/2	5/16	.057	.151	1/2	500
52MS	15/16	**RA015PPB**	**S1015K**														
52MS	1	**RA100PPB**	**S1100K**														
62MS	1 1/16	**RA101PPB**	**S1101K**	4 7/16	11/32	3 9/16	13/32	2 13/16	.104	1 7/64	1 7/64	1 3/4	3/8	.053	.146	19/32	750
62MS	1 1/8	**RA102PPB**	**S1102K**														
62MS	1 3/16	**RA103PPB**	**S1103K**														
62MS	1 1/4	**RA103PPB2**	**S1103K3**														
72MS	*1 5/16	**RA105PPB**	**S1105K**	4 13/16	3/8	3 15/16	13/32	3 3/16	.104	1 1/4	1 7/64	2 3/16	3/8	.053	.146	19/32	950
72MS	*1 3/8	**RA106PPB**	**S1106K**														
72MS	*1 7/16	**RA107PPB**	**S1107K**														

*Not Stocked; Thrust ratings for stampings are 50% of radial ratings.
When ordering complete unit, designate as RA Flangette and specify shaft size. Example: RA 1" Flangette.
Note: Stamped mountings are not recommended for heavier loaded, higher speed applications for which Fafnir standard type LCJ Flange Cartridges are designed.

RUBBER FLANGE CARTRIDGE

Type RBGF



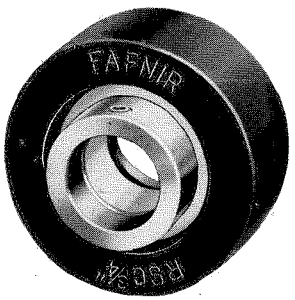


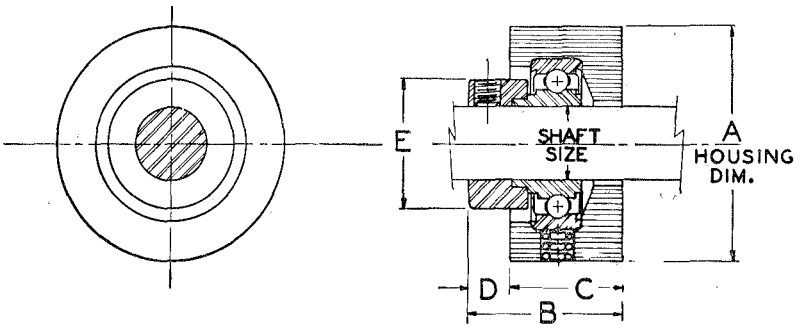
DIMENSIONS AND LOAD RATINGS

SHAFT SIZE Inches	INCHES						BOLT HOLE DIAMETER Inches	LOAD RATINGS lbs.
	A	B	C	D	E	F		
3/4	3 1/8	2	1 7/32	1 9/16	1 1/32	1 5/16	23/64	50
15/16 1	3 3/8	2 1/4	1 7/16	1 23/32	9/32	1 1/2	31/64	60
1 3/16	3 3/4	2 1/2	1 17/32	1 7/8	1 1/32	1 13/16	31/64	90

RUBBER CYLINDRICAL CARTRIDGE

Type RSC

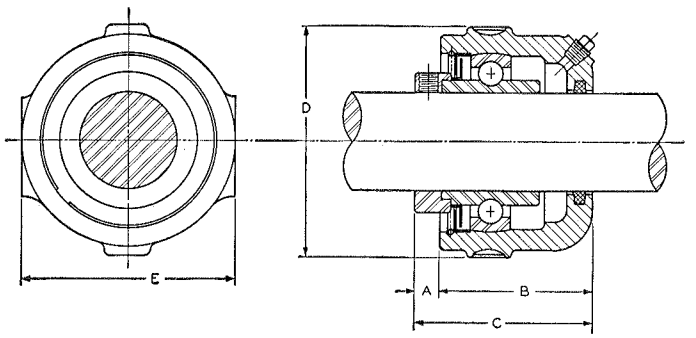




DIMENSIONS AND LOAD RATINGS

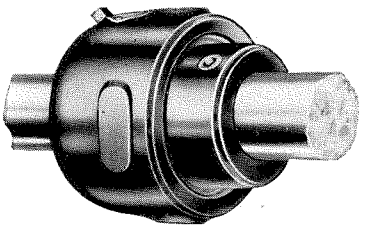
SHAFT SIZE Inches	INCHES					LOAD RATINGS lbs.
	A	B	C	D	E	
3/4	2 1/2	1 15/32	1 1/8	1 1/32	1 5/16	50
7/8 15/16 1	2 3/4	1 17/32	1 1/4	9/32	1 1/2	60

Note: Outside diameter of cartridge is .015" (± .005") larger than "A", or housing dimension.



COUNTERSHAFT BOXES

SCS Type



This unit, virtually a Single Hanger Box, is designed to fill the need for efficient power transmission on light drives where the Double Hanger Box or Lineshaft Box is not required. Recommended applications are small fans, counter-shafts for light machinery, and certain machine applications.

The Fafnir Countershaft Box is designed to fit standard countershaft frames. One Standard Series Wide Inner Ring Bearing of the "B" Type is used, which provides self-alignment within the housing.

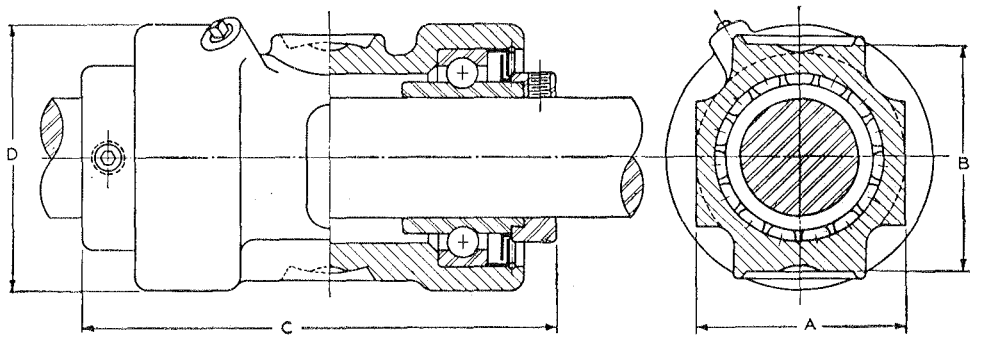
DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAMETER Inches	INCHES					HOUSING NUMBER	REPLACEMENT BEARING UNIT	BEARING NUMBER	COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER
	A	B	C	D	E						
9/16	3/8	1 5/8	2	2 3/8	2 3/8	T-9205	MUB 9/16	**SM1009KB**	**S1009K**	**11/16K (A&B)**	11/16
*5/8						T-9205	MUB 5/8	**SM1010KB**	**S1010K**	**11/16K (A&B)**	11/16
11/16						T-9205	MUB 11/16	**SM1011KB**	**S1011K**	**11/16K (A&B)**	11/16
*3/4	3/8	2	2 3/8	2 13/16	2 1/2	T-9274	MUB 3/4	**SM1012KB**	**S1012K**	**3/4K (A&B)**	3/4
13/16	11/32	2	2 11/32	2 13/16	2 1/2	T-4055	MUB 13/16	**SM1013KB**	**S1013K**	**1K (A&B)**	1
7/8						T-4055	MUB 7/8	**SM1014KB**	**S1014K**	**1K (A&B)**	1
*15/16						T-4055	MUB 15/16	**SM1015KB**	**S1015K**	**1K (A&B)**	1
*1						T-4055	MUB 1	**SM1100KB**	**S1100K**	**1K (A&B)**	1
1 1/16	7/16	2 1/4	2 11/16	3 5/8	3	T-5320	MUB 1 1/16	**SM1101KB**	**S1101K**	**2K (A&B)**	2
1 1/8						T-5320	MUB 1 1/8	**SM1102KB**	**S1102K**	**2K (A&B)**	2
*1 3/16						T-5320	MUB 1 3/16	**SM1103KB**	**S1103K**	**2K (A&B)**	2
*1 1/4	9/16	2 9/16	3 1/8	3 3/4	3 1/2	T-5375	MUB 1 1/4	**SM1104KB**	**S1104K**	**3K (A&B)**	3
1 5/16						T-5375	MUB 1 5/16	**SM1105KB**	**S1105K**	**3K (A&B)**	3
1 3/8						T-5375	MUB 1 3/8	**SM1106KB**	**S1106K**	**3K (A&B)**	3
*1 7/16						T-5375	MUB 1 7/16	**SM1107KB**	**S1107K**	**3K (A&B)**	3
*1 1/2	17/32	2 15/16	3 11/32	4 5/16	4	T-6911	MUB 1 1/2	**SM1108KB**	**S1108K**	**3 1/2K (A&B)**	3 1/2
1 9/16						T-6911	MUB 1 9/16	**SM1109KB**	**S1109K**	**3 1/2K (A&B)**	3 1/2
1 5/8	1/2	2 15/16	3 7/16	4 5/16	4	T-5343	MUB 1 5/8	**SM1110KB**	**S1110K**	**4K (A&B)**	4
*1 11/16						T-5343	MUB 1 11/16	**SM1111KB**	**S1111K**	**4K (A&B)**	4
1 3/4						T-5343	MUB 1 3/4	**SM1112KB**	**S1112K**	**4K (A&B)**	4
1 13/16	9/16	3	3 9/16	4 9/16	4 1/4	T-5346	MUB 1 13/16	**SM1113KB**	**S1113K**	**5K (A&B)**	5
1 7/8						T-5346	MUB 1 7/8	**SM1114KB**	**S1114K**	**5K (A&B)**	5
*1 15/16						T-5346	MUB 1 15/16	**SM1115KB**	**S1115K**	**5K (A&B)**	5
2	19/32	3 5/16	3 29/32	5 1/8	4 3/4	T-4373	MUB 2	**SM1200KB**	**S1200K**	**6K (A&B)**	6
2 1/16						T-4373	MUB 2 1/16	**SM1201KB**	**S1201K**	**6K (A&B)**	6
2 1/8						T-4373	MUB 2 1/8	**SM1202KB**	**S1202K**	**6K (A&B)**	6
*2 3/16						T-4373	MUB 2 3/16	**SM1203KB**	**S1203K**	**6K (A&B)**	6

* Preferred sizes. Load ratings for these units same as those on page 46 for corresponding shaft sizes.
Recommended shaft tolerances: 9/16"–2" = Nominal to —.0005"
2 1/16"–2 3/16" = Nominal to —.0010"

LINESHAFT BOXES

F Type



DIMENSIONS AND REPLACEMENT PARTS

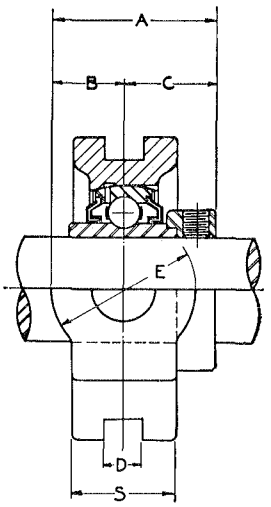
SHAFT DIAMETER Inches	INCHES A	INCHES B	INCHES C	INCHES D	HOUSING NUMBER	REPLACEMENT BEARING UNIT ††	BEARING NUMBER	COLLAR NUMBER	CAPS NUMBER	WIRE NUMBER	DUST-SEAL COLLAR ‡
13/16	2 1/16	2 1/16	4 15/16	2 9/16	T-101	MUA 13/16	**SM1013K**	**S1013K**	**1K (A&B)**	1	**S1013KD**
7/8					T-101	MUA 7/8	**SM1014K**	**S1014K**	**1K (A&B)**	1	**S1014KD**
*15/16					T-101	MUA 15/16	**SM1015K**	**S1015K**	**1K (A&B)**	1	**S1015KD**
*1					T-101	MUA 1	**SM1100K**	**S1100K**	**1K (A&B)**	1	**S1100KD**
1 1/16	2 5/16	2 5/16	5 5/8	2 31/32	T-103	MUA 1 1/16	**SM1101K**	**S1101K**	**2K (A&B)**	2	**S1101KD**
1 1/8					T-103	MUA 1 1/8	**SM1102K**	**S1102K**	**2K (A&B)**	2	**S1102KD**
*1 3/16					T-103	MUA 1 3/16	**SM1103K**	**S1103K**	**2K (A&B)**	2	**S1103KD**
*1 1/4	2 9/16	3 1/16	6 3/8	3 3/8	T-506	MUA 1 1/4	**SM1104K**	**S1104K**	**3K (A&B)**	3	**S1104KD**
1 5/16					T-506	MUA 1 5/16	**SM1105K**	**S1105K**	**3K (A&B)**	3	**S1105KD**
1 3/8					T-506	MUA 1 3/8	**SM1106K**	**S1106K**	**3K (A&B)**	3	**S1106KD**
*1 7/16					T-506	MUA 1 7/16	**SM1107K**	**S1107K**	**3K (A&B)**	3	**S1107KD**
*1 1/2	3 1/16	3 3/16	6 3/4	3 7/8	T-6908	MUA 1 1/2	**SM1108KT**	**S1108KT**	**3 1/2K (A&B)**	3 1/2	**S1108KTD**
1 9/16					T-6908	MUA 1 9/16	**SM1109KT**	**S1109KT**	**3 1/2K (A&B)**	3 1/2	**S1109KTD**
1 5/8	3 1/16	3 3/16	6 3/4	4	107	MUA 1 5/8	**SM1110K**	**S1110K**	**4K (A&B)**	4	**S1110KD**
*1 11/16					107	MUA 1 11/16	**SM1111K**	**S1111K**	**4K (A&B)**	4	**S1111KD**
1 3/4					107	MUA 1 3/4	**SM1112K**	**S1112K**	**4K (A&B)**	4	**S1112KD**
1 13/16	3 3/8	3 3/4	7 3/8	4 5/16	510	MUA 1 13/16	**SM1113K**	**S1113K**	**5K (A&B)**	5	**S1113KD**
1 7/8					510	MUA 1 7/8	**SM1114K**	**S1114K**	**5K (A&B)**	5	**S1114KD**
*1 15/16					510	MUA 1 15/16	**SM1115K**	**S1115K**	**5K (A&B)**	5	**S1115KD**
2	3 5/8	3 7/8	8	4 11/16	512	MUA 2	**SM1200K**	**S1200K**	**6K (A&B)**	6	**S1200KD**
2 1/16					512	MUA 2 1/16	**SM1201K**	**S1201K**	**6K (A&B)**	6	**S1201KD**
2 1/8					512	MUA 2 1/8	**SM1202K**	**S1202K**	**6K (A&B)**	6	**S1202KD**
*2 3/16					512	MUA 2 3/16	**SM1203K**	**S1203K**	**6K (A&B)**	6	**S1203KD**
2 1/4	4 1/8	4 15/32	8 7/16	5 1/4	113	MUA 2 1/4	**SM1204K**	**S1204K**	**7K (A&B)**	7	**S1204KD**
2 5/16					113	MUA 2 5/16	**SM1205K**	**S1205K**	**7K (A&B)**	7	**S1205KD**
2 3/8					113	MUA 2 3/8	**SM1206K**	**S1206K**	**7K (A&B)**	7	**S1206KD**
*2 7/16					113	MUA 2 7/16	**SM1207K**	**S1207K**	**7K (A&B)**	7	**S1207KD**
*2 1/2	4 3/8	4 9/16	9 1/8	5 5/8	115	MUA 2 1/2	**SM1208KT**	**S1208K**	**7 1/2K (A&B)**	7 1/2	**S1208KD**
*2 11/16					T-18885	MUA 2 11/16	**SM1211KT**	**S1211K**	**8C1 (A&B)**	8	**S1211KD**
*2 15/16	4 7/8	5	10	6 1/2	518	MUA 2 15/16	**SM1215K**	**S1215K**	**9K (A&B)**	9	‡**S1215KD**
*3 3/16	5 1/4	5 1/4	11	6 9/16	520	MUA 3 3/16	**SM1303K**	**S1303K**	**10K (A&B)**	10	**S1303KD**
*3 7/16	5 3/4	6 1/2	11 7/8	7 1/8	T-3255	MUA 3 7/16	**SM1307K**	**S1307K**	**11K (A&B)**	11	**S1307KD**
*3 11/16	6 3/16	6 1/2	12 7/8	8	T-8113	MUA 3 11/16	**SM1311K**	**S1311K**	†**S1311W**	12	**S1311KD**
*3 15/16	6 1/2	7 1/8	14	8 11/32	T-918	MUA 3 15/16	**SM1315K**	**S1315K**	**13 (A&B)**	13	**S1315KD**

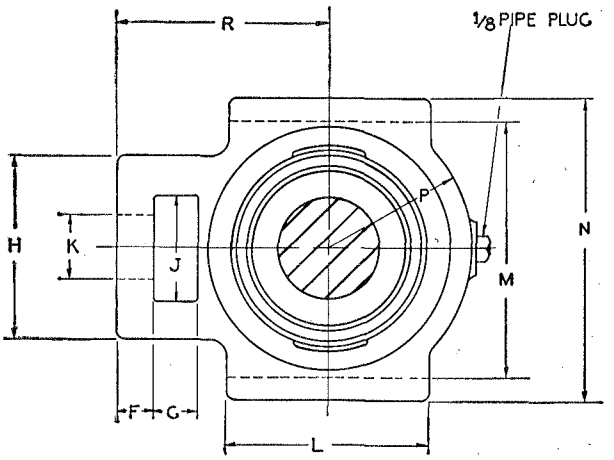
* Preferred sizes. † One-piece cast iron cap with felt seal; specify cast iron cap when ordering. †† Two Bearing Units per Box.

‡ When ordering specify number followed by "Dust-Seal Collar." Examples: S1107KD Dust-Seal Collar. Load ratings for these units twice those on page 46 for corresponding shaft sizes.

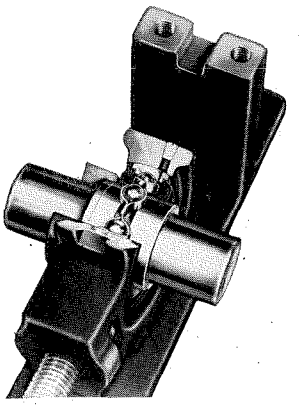
Recommended shaft tolerances: 13/16"–2" = Nominal to −.0005"
2 1/16"–4" = Nominal to −.0010"
4 1/16"–4 15/16" = Nominal to −.0015".

TAKE-UP UNITS





TAKE-UP UNITS
LTU and TU Types



Where shaft adjustment and belt tightening devices are required as on conveyor applications, Ball Bearing Take-Up Units are available. Incorporating self-aligning "B" type bearings with integral frictionless Mechani-Seals and positive Self-locking Collar, these units provide very compact, efficient supports for adjustable shafts and conveyor take-up pulleys. Pre-lubricated with an initial supply of grease, they are ready for immediate installation, and a grease plug is provided so a standard grease fitting can be applied for periodic re-lubrication.

Fafnir Take-Up Frames are also available to fit these Take-Up Units. (See next page.)

DIMENSIONS AND REPLACEMENT PARTS

SHAFT DIAMETER Inches ‡	INCHES																HOUSING NUMBER	BEARING NUMBER	COLLAR NUMBER
	A	B	C	S	D	E	R	H	K	J	F	G	P	L	M	N			
*3/4	1 7/8	13/16	1 1/16	1 11/32	1 7/32	1 5/8	2 21/32	2 1/4	3/4	1 1/4	1/2	5/8	1 5/16	2 1/4	3	3 5/8	T-18832	G1012KLLB	S1012K
13/16																	T-18696	G1013KLLB	S1013K
7/8	1 15/16	7/8	1 1/16	1 15/32	1 7/32	1 3/4	2 21/32	2 1/4	3/4	1 1/4	1/2	5/8	1 3/8	2 1/4	3	3 5/8	T-18696	G1014KLLB	S1014K
*15/16																	T-18696	G1015KLLB	S1015K
*1																	T-18696	G1100KLLB	S1100K
1 1/16																	T-18694	G1101KLLB	S1101K
1 1/8	2 3/16	1	1 3/16	1 1/2	1 7/32	2	2 27/32	2 7/16	7/8	1 7/16	1/2	5/8	1 5/8	2 1/2	3 1/2	4 1/8	T-18694	G1102KLLB	S1102K
*1 3/16																	T-18694	G1103KLLB	S1103K
*1 1/4																	T-18692	G1104KLLB	S1104K
1 5/16																	T-18692	G1105KLLB	S1105K
1 3/8	2 5/32	1	1 5/32	1 7/16	1 7/32	2	2 15/16	2 1/2	7/8	1 7/16	1/2	5/8	1 15/16	2 3/4	3 1/2	4 1/8	T-18692	G1106KLLB	S1106K
*1 7/16																	T-18692	G1107KLLB	S1107K
*1 1/2	2 21/32	1 5/32	1 3/8	1 3/4	1 1/16	2 5/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	T-18834	G1108KLLB	S1108KT
1 5/8																	T-18834	G1109KLLB	S1109KT
1 11/16	2 21/32	1 5/32	1 3/8	1 3/4	1 1/16	2 5/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	T-18762	G1110KLLB	S1110K
1 3/4																	T-18762	G1111KLLB	S1111K
1 13/16																	T-18762	G1112KLLB	S1112K
1 7/8	2 25/32	1 5/32	1 1/2	1 15/16	1 1/16	2 5/16	3 19/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 11/32	3 3/8	3 31/32	4 3/4	T-18690	G1113KLLB	S1113K
*1 15/16																	T-18690	G1114KLLB	S1114K
2																	T-18690	G1115KLLB	S1115K
2 1/16																	T-18828	G1200KLLB	S1200K
2 1/8	3 1/32	1 3/8	1 23/32	2 3/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	T-18828	G1201KLLB	S1201K
*2 3/16																	T-18828	G1202KLLB	S1202K
2 1/4																	T-18828	G1203KLLB	S1203K
2 5/16																	T-18820	G1204KLLB	S1204K
2 3/8	3 7/32	1 3/8	1 27/32	2 1/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	T-18830	G1205KLLB	S1205K
*2 7/16																	T-18830	G1206KLLB	S1206K
																	T-18830	G1207KLLB	S1207K
†*2 1/16	4 25/32	2 3/4	2 1/32	2 7/8	1 13/16	3 3/8	5 1/4	4 3/8	1 5/8	2 3/4	13/16	1 1/4	3	4 3/4	5 29/32	6 11/16	A-1601	MUB 2 11/16	
†*2 15/16	4 7/8	2 23/32	2 5/32	2 15/16	1 13/16	3 3/8	5 1/4	4 3/8	1 5/8	2 3/4	13/16	1 1/4	3 3/16	4 3/4	5 29/32	6 11/16	A-6170	MUB 2 15/16	

Note: LTU Take-up Units are equipped with type G-KLLB bearings which are listed on page 41 with load ratings on page 46.

* Preferred sizes.

† Not Mechani-Seal construction. Designated as TU 2 11/16 and TU 2 15/16. Load ratings for these two units same as those on page 46 for corresponding shaft sizes.

‡ Order complete units as LTU and shaft size. Example: LTU 1 7/16".

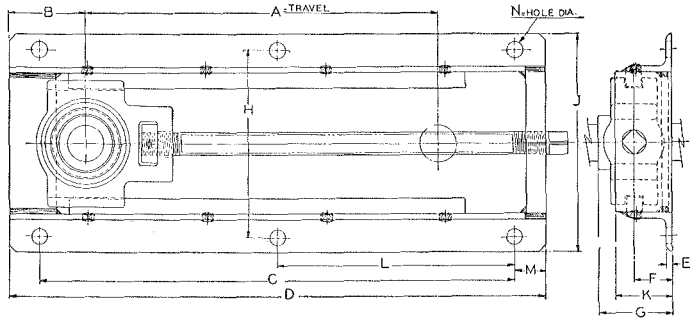
Recommended shaft tolerances: 3/4"–2" = Nominal to —.0005"

2 1/16"–2 15/16" = Nominal to —.0010".

TAKE-UP FRAME

NLTU Type

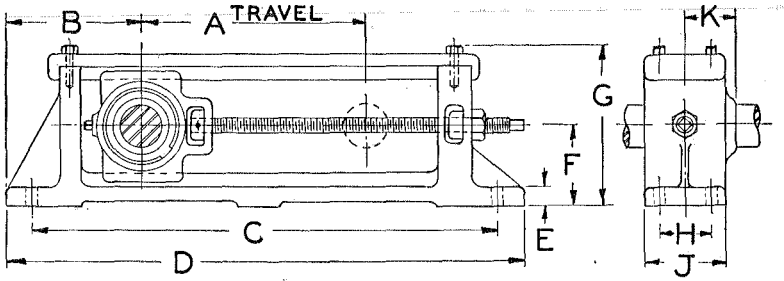
Pressed Steel
for Side Mounting
Incorporates LTU
Take-Up Unit



DIMENSIONS

NLTU FRAME NO.	SHAFT DIAMETER Inches	INCHES													BOLTS REQUIRED
		A	B	C	D	E	F	G	H	J	K	L	M	N	
1	3/4	9 1/8	2 15/32	12 7/8	14 7/8	3/16	1 1/16	2 1/8	5 9/16	6 9/16	1 3/4	6 7/16	1	1/2	6—7/16"
	13/16, 7/8, 15/16, 1	9 1/8	2 15/32	12 7/8	14 7/8	3/16	1 1/16	2 1/8	5 9/16	6 9/16	1 3/4	6 7/16	1	1/2	6—7/16"
3	1 1/16, 1 1/8, 1 3/16	11 7/16	2 17/32	15 7/16	17 7/16	3/16	1 1/4	2 7/16	6 1/16	7 9/16	2	7 23/32	1	1/2	6—7/16"
	1 1/4, 1 5/16, 1 3/8, 1 7/16	11 7/16	2 7/16	15 7/16	17 7/16	3/16	1 1/4	2 17/32	6 1/16	7 9/16	2	7 23/32	1	1/2	6—7/16"
5	1 1/2, 1 9/16	11 3/4	3 21/32	17 1/2	19 3/4	3/16	1 7/16	2 13/16	7 5/16	8 13/16	2 1/4	8 3/4	1 1/8	9/16	6—1/2"
	1 5/8, 1 11/16, 1 3/4	11 3/4	3 21/32	17 1/2	19 3/4	3/16	1 7/16	2 13/16	7 5/16	8 13/16	2 1/4	8 3/4	1 1/8	9/16	6—1/2"
	1 13/16, 1 7/8, 1 15/16	11 3/4	3 17/32	17 1/2	19 3/4	3/16	1 7/16	2 15/16	7 5/16	8 13/16	2 1/4	8 3/4	1 1/8	9/16	6—1/2"
7	2, 2 1/16, 2 1/8, 2 3/16	14 1/4	3 21/32	21 1/2	23 3/4	3/16	1 1/2	3 7/32	8 5/8	10 7/16	2 1/2	10 3/4	1 1/8	5/8	6—9/16"
	2 1/4, 2 5/16, 2 3/8, 2 7/16	14 1/4	3 21/32	21 1/2	23 3/4	3/16	1 1/2	3 11/32	8 5/8	10 7/16	2 1/2	10 3/4	1 1/8	5/8	6—9/16"

When ordering complete assembly, designate NLTU frame number and specify LTU Take-Up Unit required. Example: NLTU5 complete with LTU 1 11/16". If frame only is required order by frame number. Example: NLTU3.



TAKE-UP FRAME

TU Type

Cast Iron
Incorporates LTU
and TU Take-Up
Units

DIMENSIONS

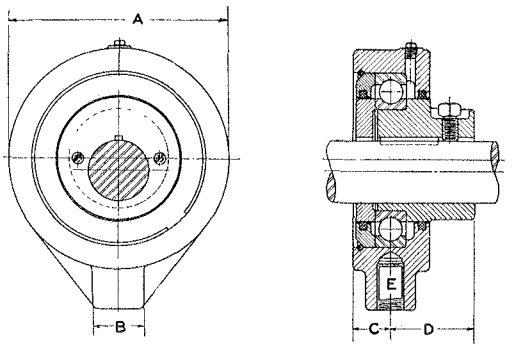
SHAFT DIAMETER Inches	INCHES										BOLTS REQUIRED
	A	B	C	D	E	F	G	H	J	K	
* 3/4	8	4 1/2	16 1/2	18 1/2	9/16	2 1/2	5 5/32	1 3/8	2 1/8		4—3/8"
* 15/16, * 1, 1 3/16, 1 7/8	8	4 1/2	16 1/2	18 1/2	9/16	2 1/2	5 5/32	1 3/8	2 1/8		4—3/8"
* 1 3/16, 1 1/16, 1 1/8	10	5	19 3/8	21 3/8	5/8	2 13/16	5 7/8	1 1/2	2 9/16		4—7/16"
* 1 1/4, * 1 7/16, 1 5/16, 1 3/8	10	5	19 3/8	21 3/8	5/8	2 13/16	5 7/8	1 1/2	2 9/16		4—7/16"
* 1 1/2, 1 9/16	10	5 1/2	20 7/8	22 7/8	3/4	3 1/4	6 3/4	2	3 1/2		4—1/2"
* 1 11/16, 1 5/8, 1 3/4	10	5 1/2	20 7/8	22 7/8	3/4	3 1/4	6 3/4	2	3 1/2		4—1/2"
* 1 15/16, 1 13/16, 1 7/8	10	5 1/2	20 7/8	22 7/8	3/4	3 1/4	6 3/4	2	3 1/2		4—1/2"
* 2 3/16, 2, 2 1/16, 2 1/8	12	6 5/8	25 3/8	27 7/8	7/8	4	8 11/32	2 1/2	4		4—5/8"
* 2 7/16, 2 1/4, 2 5/16, 2 3/8	12	6 5/8	25 3/8	27 7/8	7/8	4	8 11/32	2 1/2	4		4—5/8"
* 2 11/16	12	7 7/8	27 3/8	30 3/8	1	4 5/8	9 19/32	3 1/4	4 3/4	2 9/16	4—5/8"
* 2 15/16	12	7 7/8	27 3/8	30 3/8	1	4 5/8	9 19/32	3 1/4	4 3/4	2 23/32	4—5/8"

* Preferred sizes.

ECCENTRICS

The eccentric application is used to a great extent in cottonseed oil machinery, and in various mechanical shakers such as employed in coal handling and grain milling.

Maximum capacity Single Row Radial Bearings are built into the housing and the application furnished as a complete unit ready for installation. Several of the most widely used combinations of shaft size and throw are available from stock. Other combinations can readily be made up on order.



ECCENTRICS

DIMENSIONS

COMPLETE UNIT NUMBER	SHAFT DIAMETER Inches	THROW Inches	TRAVEL Inches	BEARING NUMBER	INCHES				E		KEYWAY * Inches
					A	B	C	D	THREAD SIZE	DEPTH Inches	
3390	1 3/16	1/2	1	**212W**	5 3/8	1	15/16	2 5/16	1/2–13	7/8	3/16 x 3/32
5261	1 7/16	1/8	1/4	**210W**	4 5/8	1 1/4	59/64	2 5/16	3/4–10	1 1/8	3/8 x 3/16
7884	1 7/16	3/16	3/8	**211W**	5	1 1/4	1 1/16	2 3/8	3/4–10	1 1/8	3/8 x 3/16
7771	1 7/16	1/4	1/2	**214W**	6	1	1 1/16	2 9/16	1/2–13	7/8	7/32 x 7/64
3391	1 7/16	1/2	1	**214W**	6	1	1 1/32	2 9/16	1/2–13	7/8	7/32 x 7/64
3348	1 15/16	3/8	3/4	**216W**	7	1 5/8	1 1/8	2 11/16	7/8–9	1 1/2	1/4 x 1/8
3984	1 15/16	1/2	1	**217W**	7 1/16	1 5/8	1 1/8	2 11/16	7/8–9	1 3/4	1/4 x 1/8
5262	1 15/16	3/16	3/8	**314W**	7	1 1/4	1 1/4	2 3/4	1–8	1 1/8	1/2 x 1/4
9578	1 15/16	1/4	1/2	**116W**	6 5/16	1 1/2	15/16	1 7/8	3/4–10	1 1/4	3/8 x 3/16
9572	1 15/16	3/8	3/4	**116W**	6 5/16	1 1/2	15/16	1 7/8	3/4–10	1 1/4	3/8 x 3/16
3271	2	3/8	3/4	**216W**	7	1 5/8	1 1/8	2 11/16	7/8–9	1 1/2	1/4 x 1/8
3287	2	3/4	1 1/2	**219W**	8 1/4	1 5/8	1 7/16	2 31/32	3/4–10	1 5/8	1/4 x 1/8
3338	2 3/16	3/8	3/4	**216W**	7	1 5/8	1 1/8	2 11/16	7/8–9	1 1/2	1/4 x 1/8
9573	2 3/16	3/8	3/4	**116W**	6 5/16	1 1/2	15/16	1 7/8	3/4–10	1 1/4	1/2 x 1/4
3339	2 1/4	3/4	1 1/2	**220W**	8 5/8	1 5/8	1 1/2	3 1/32	3/4–10	1 1/2	1/4 x 1/8

* Other keyways furnished upon request.

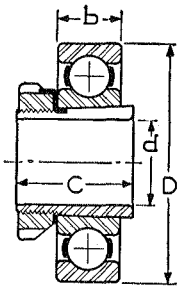
REPLACEMENT PARTS

COMPLETE UNIT NUMBER	HOUSING NUMBER	ECCENTRIC NUMBER	BEARING RETAINING WASHER NUMBER	END CAP	WIRE NUMBER †
3390	**A-3390**	**B-3390**	**C-3390**	**D-3390**	7
5261	**A-5261**	**B-5261**	**C-5261**	**D-5261**	5
7884	**A-7884**	**B-7884**	**C-7884**	**D-7884**	6
7771	**A-3391**	**B-7771**	**C-3391**	**D-3391**	9
3391	**A-3391**	**B-3391**	**C-3391**	**D-3391**	9
3348	**A-3338**	**A-3348**	**B-3348**	**E-3338**	
3984	**A-3984**	**B-3984**	**C-3984**	**E-3984**	
5262	**A-5262**	**B-5262**	**C-5262**	**D-5262**	11
9578	**A-9572**	**B-9572**	**C-9572**	**D-9572**	
9572	**A-9572**	**B-9572**	**C-9572**	**D-9572**	
3271	**A-3338**	**A-3271**	**B-3271**	**E-3338**	
3287	**A-3287**	**B-3287**	**D-3287**	**C-3287**	3 11/16
3338	**A-3338**	**B-3338**	**D-3338**	**E-3338**	
9573	**A-9572**	**B-9573**	**C-9572**	**D-9572**	
3339	**A-3339**	**B-3339**	**D-3339**	**C-3339**	3 15/16

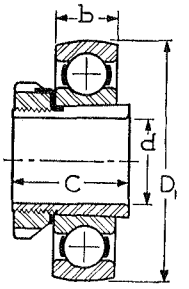
† Where no wire number is shown, end cap is held in place with cap screws.

ADAPTER BEARINGS

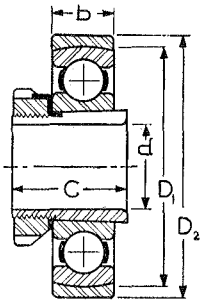
A • B • S • L • Types



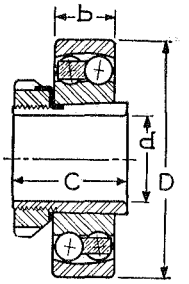
Rigid (A) Type



Self-Aligning (B)Type (without seat)



Self-Aligning (S)Type (with seat)



Internal Self-Aligning (L) Type

DIMENSIONS

• ADAPTER BEARING NUMBER	ADAPTER SLEEVE, LOCKNUT & LOCKWASHER NUMBER	(d) BORE Inches	† BASIC BEARING SIZE A, B, S	‡ BASIC BEARING SIZE L TYPE	(D=D1) OUTSIDE DIAM. MM	(D=D1) OUTSIDE DIAM. Inches	(D2) OVERALL DIAM. (S TYPE) MM	(D2) OVERALL DIAM. (S TYPE) Inches	(b) OUTER RING WIDTH MM	(b) OUTER RING WIDTH Inches	(C) ADAPTER WIDTH Inches ±.010″
STANDARD Series											
5504N	**SNW04**	* 5/8	204		47	1.8504	52	2.0472	14	.5512	1.234
5505N	**SNW05**	* 3/4		L205	52	2.0472	57	2.2441	15	.5906	1.269
5506N	**SNW06**	* 15/16, 7/8, 1	206	L206	62	2.4410	68	2.6772	16	.6299	1.353
5507N	**SNW07**	* 1 3/16, 1 1/16, 1 1/8, 1 1/4	207	L207	72	2.8347	79	3.1102	17	.6693	1.459
5508N	**SNW08**	* 1 5/16, 1 1/4, 1 3/8	208	L208	80	3.1496	88	3.4646	18	.7087	1.504
5509N	**SNW09**	* 1 7/16, 1 3/8, 1 1/2, 1 5/16	209	L209	85	3.3465	93	3.6614	19	.7480	1.584
5510N	**SNW10**	* 1 11/16, 1 5/8, 1 3/4	210	L210	90	3.5433	100	3.9370	20	.7874	1.765
5511N	**SNW11**	* 1 15/16, 1 13/16, 1 7/8, 2	211	L211	100	3.9370	110	4.3307	21	.8268	1.845
5513N	**SNW13**	* 2 3/16, 2 1/8, 2 1/4, 2 5/16, 2 3/8	213	L213	120	4.7244	135	5.3150	23	.9055	2.100
5515N	**SNW15**	* 2 7/16, 2 3/8, 2 1/2, 2 5/16, 2 5/8	215	L215	130	5.1181	145	5.7087	25	.9843	2.296
5516N	**SNW16**	* 2 11/16, 2 5/8, 2 3/4	216		140	5.5118	155	6.1024	26	1.0236	2.376
5517N	**SNW17**	* 2 15/16, 2 7/8, 3	217	L217	150	5.9055	165	6.4961	28	1.1024	2.486
5518N	**SNW18**	* 3 3/16	218		160	6.2992	175	6.8898	30	1.1811	2.646
HEAVY Series											
6605N	**SNW05**	* 3/4		L305	62	2.4409	68	2.6772	17	.6693	1.269
6606N	**SNW06**	* 15/16, 7/8, 1	306	L306	72	2.8347	80	3.1496	19	.7480	1.353
6607N	**SNW07**	* 1 3/16, 1 1/16, 1 1/8, 1 1/4	307	L307	80	3.1496	88	3.4646	21	.8268	1.459
6608N	**SNW08**	* 1 3/8, 1 1/4, 1 5/16	308	L308	90	3.5433	100	3.9370	23	.9055	1.504
6609N	**SNW09**	* 1 7/16, 1 3/8, 1 1/2, 1 5/16	309	L309	100	3.9370	110	4.3307	25	.9843	1.584
6610N	**SNW10**	* 1 11/16, 1 5/8, 1 3/4	310	L310	110	4.3307	120	4.7244	27	1.0630	1.765
6611N	**SNW11**	* 1 15/16, 1 13/16, 1 7/8, 2	311	L311	120	4.7244	130	5.1181	29	1.1417	1.845
6613N	**SNW13**	* 2 3/16, 2 1/8, 2 1/4, 2 5/16, 2 3/8	313	L313	140	5.5118	155	6.1024	33	1.2992	2.100
6615N	**SNW15**	* 2 7/16, 2 3/8, 2 1/2, 2 5/16, 2 5/8	315	L315	160	6.2992	175	6.8898	37	1.4567	2.296
6616N	**SNW16**	* 2 11/16, 2 5/8, 2 3/4		L316	170	6.6929	190	7.4804	39	1.5354	2.376
6617N	**SNW17**	* 2 15/16, 2 7/8, 3		L317	180	7.0866	200	7.8740	41	1.6142	2.486
6618N	**SNW18**	* 3 3/16		L318	190	7.4804	210	8.2678	43	1.6929	2.646

• When ordering Complete Adapter Bearing unit for A, B, & S Types, indicate Adapter Bearing number, Bore Size, and Type.
Example: 5509N x 1 7/16″ A Type.
When "L" Type is ordered, prefix the number with the letter "L". Example: L6615N x 2 7/16″.
* Preferred sizes.
† Load ratings for corresponding 200K and 300K Series bearings on pages 7 and 8.
‡ Load ratings for corresponding L200 and L300 Series bearings on page 24.

CONDENSED INTERCHANGEABILITY CHART

TYPE OF BEARING	FAFNIR	B.C.A.	AHLBERG (CJB)	FEDERAL	HOOVER	M.R.C.	MCGILL	NEW DEPARTURE	NORMA—HOFFMANN	S.K.F.	TORRINGTON
Extra-Small	30	....	C90	9430	....	30	30	30	C90	30	T30
	S-K	....	S-R	S-R	....	S-S	....	R-, F-	S-	EE-	TR-
Single Row Radial (Non-Filling Slot)	9100K	....	....	....	....	100KR	....	3L00	6100	7000	....
	200K	200	6200	1200	200	200S	200	3200	200	6200	T200
	300K	300	6300	1300	300	300S	300	3300	300	6300	T300
	400K	....	6400	1400	400	400S	400	3400	400, 500	6400	....
Single Row Radial (Filling Slot Type)	200W	1200	....	1200M	....	200M, R	....	1200	MT200	....	....
	300W	1300	....	1300M	....	300M, R	....	1300	MT300	....	....
	400W	1400	....	1400M	....	400M, R	....	1400	400SY	....	....
Grease Shield (Non-Filling Slot)	200KD	2005	6200G	1200F	7200	200SF	200F	7500	200P	6200Z	T7200
	300KD	3005	6300G	1300F	7300	300SF	300F	7600	300P	6300Z	T7300
	400KD	....	6400G	1400F	7400	400SF	400F	7700	....	I-76400	....
Grease Shield (Filling Slot)	200WD	....	....	1200MF	....	200MF	....	7200	MT200P	....	....
	300WD	....	....	1300MF	....	300MF	....	7300	MT300P	....	....
	400WD	....	....	1400MF	....	400MF	....	7400	....	....	....
Grease Shield (Extra-Small)	30KD	....	C90P	9430F	....	30F	....	7030	C90P	30Z	T7030
	S-KD	....	....	S-F	....	S-SF	....	7R-	S-RP	....	....
Double Shield	30DD	....	C90PP	9430FF	....	30FF	....	77030	C90PP	R-ZZ	T77030
	S-KDD	....	....	S-FF	....	S-SFF	....	77R-	S-RPP	EE-ZZ	....
	200DD	....	6200GG	1200MFF	77200	200SFF	200FF	77200	200PP	6200ZZ	77200
	300DD	....	6300GG	1300MFF	77300	300SFF	300FF	77300	300PP	6300ZZ	T77300
Felt-Seal	30T	....	....	8090	WC8030	....	....	WC8030	7060	FLB-	....
	30VT	....	....	8000	....	....	....	WC8000	7000	FLB-	....
	200T	7010	....	8010	WC8500	200FS	....	WC8500	7010	FLB-	....
	200TD	....	....	8010F	WC87500	....	....	WC87500	7010P	....	....
Mechani-Seal	30L	....	....	FS8000	8030	30FS	....	8030	....	....	....
	200L	....	....	FS8500	8500	200FS	....	8500	....	....	....
	200LD	....	....	FS87500	87500	....	....	87500	....	....	....
	200LL-2	....	....	FS88500	88500	....	....	88500	....	....	....
Plya-Seal	30P(PP)	....	....	....	....	....	....	....	....	....	....
	9100P(PP)	....	....	....	....	....	....	93L0, 993L0	....	....	....
	200P(PP)	....	....	....	....	200SZ(SZZ)	....	9500, 99500	....	....	....
	W200PP	....	....	....	....	200SFFC	....	....	S3500	....	....
	W300PP	....	....	....	....	300SFFC	....	....	S3600	....	....
Wireloc (Non-Filling Slot)	200KG	200L	6200K	1200CG	200G	200SG	200G	43200	4200	6200NR (1-73200)	T41200
	300KG	300L	6300L	1300CG	300G	300SG	300G	43300	4300	6300NR (1-73300)	T41300
Wireloc (Filling Slot Type)	200WG	....	....	....	....	200MG	....	41200	MT4200	....	....
	300WG	....	....	....	....	300MG	....	41300	MT4300	....	....
Wireloc (with Shield) (Non-Filling Slot)	200KDG	200SL	6200KG	1200GF	7200G	200SFG	200FG	47500	4200P	6200ZNR	T47200
	300KDG	300SL	6300KG	1300GF	7300G	300SFG	300FG	47600	4300P	6300ZNR	T47300
Wireloc (with Shield) (Filling Slot Type)	200WDG	....	....	....	....	200MFG	....	47200	MT4200P	....	....
	300WDG	....	....	....	....	300MFG	....	47300	MT4300P	....	....
Single Row Angular-Contact	7200	7200	4200 7200	7200	0200	7200, P	7200	20200 30200	100AC	7200	....
	7300	7300	4300 7300	7300	....	7300, P	7300	20300 30300	300AC	7300	....
	7400	....	4400 7400	7400	....	7400, P	7400	20400 30400	500AC	7400	....
Double Row	5200	5200	5200	5200	5200	5200S	5200	5200	5200NW	5200R	....
	5300	5300	5300	5300	5300	5300, AS	5300	5300	5300	5300	....
	5400	....	5400	5400	....	5400, AS	5400	....	5400	5400	....
Double Row (Grease Shield)	5200D	....	5200G	5200F	....	5200, F	5200F	5500	5200G	....	....
	5300D	....	5300G	5300F	....	5300, F	5300F	5600	5300G	1-75300	....

A complete "Ball Bearing Conversion Table" is available upon request. This contains a numerical listing of competitive bearing numbers, together with the interchanging Fafnir number, wherever such equivalents are available.

DECIMAL EQUIVALENTS

FRACTIONAL AND DECIMAL PARTS OF AN INCH

FRACTIONAL INCHES	DECIMAL INCHES	FRACTIONAL INCHES	DECIMAL INCHES	FRACTIONAL INCHES	DECIMAL INCHES	FRACTIONAL INCHES	DECIMAL INCHES
1/64	.015625	17/64	.265625	33/64	.515625	49/64	.765625
1/32	.03125	9/32	.28125	17/32	.53125	25/32	.78125
3/64	.046875	19/64	.296875	35/64	.546875	51/64	.796875
1/16	.0625	5/16	.3125	9/16	.5625	13/16	.8125
5/64	.078125	21/64	.328125	37/64	.578125	53/64	.828125
3/32	.09375	11/32	.34375	19/32	.59375	27/32	.84375
7/64	.109375	23/64	.359375	39/64	.609375	55/64	.859375
1/8	.125	3/8	.375	5/8	.625	7/8	.875
9/64	.140625	25/64	.390625	41/64	.640625	57/64	.890625
5/32	.15625	13/32	.40625	21/32	.65625	29/32	.90625
11/64	.171875	27/64	.421875	43/64	.671875	59/64	.921875
3/16	.1875	7/16	.4375	11/16	.6875	15/16	.9375
13/64	.203125	29/64	.453125	45/64	.703125	61/64	.953125
7/32	.21875	15/32	.46875	23/32	.71875	31/32	.96875
15/64	.234375	31/64	.484375	47/64	.734375	63/64	.984375
1/4	.25	1/2	.5	3/4	.75	1	1.

METRIC EQUIVALENTS

MILLIMETERS AND INCHES

NOTE:

To convert inches to millimeters, multiply the inches by 25.4.*
To convert millimeters to inches, divide the millimeters by 25.4.

MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES
1	.0394	**20**	.7874	**40**	1.5748	**60**	2.3622	**80**	3.1496
2	.0787	21	.8268	41	1.6142	61	2.4016	81	3.1890
3	.1181	22	.8661	42	1.6535	62	2.4409	82	3.2283
4	.1575	23	.9055	43	1.6929	63	2.4803	83	3.2677
		24	.9449	44	1.7323	64	2.5197	84	3.3071
5	.1969							**85**	3.3465
6	.2362	**25**	.9843	**45**	1.7717	**65**	2.5591	86	3.3858
7	.2756	26	1.0236	46	1.8110	66	2.5984	87	3.4252
8	.3150	27	1.0630	47	1.8504	67	2.6378	88	3.4646
9	.3543	28	1.1024	48	1.8898	68	2.6772	89	3.5039
		29	1.1417	49	1.9291	69	2.7165		
10	.3937							**90**	3.5433
11	.4331	**30**	1.1811	**50**	1.9685	**70**	2.7559	91	3.5827
12	.4724	31	1.2205	51	2.0079	71	2.7953	92	3.6220
13	.5118	32	1.2598	52	2.0472	72	2.8346	93	3.6614
14	.5512	33	1.2992	53	2.0866	73	2.8740	94	3.7008
		34	1.3386	54	2.1260	74	2.9134		
15	.5906							**95**	3.7402
16	.6299	**35**	1.3780	**55**	2.1654	**75**	2.9528	96	3.7795
17	.6693	36	1.4173	56	2.2047	76	2.9921	97	3.8189
18	.7087	37	1.4567	57	2.2441	77	3.0315	98	3.8583
19	.7480	38	1.4961	58	2.2835	78	3.0709	99	3.8976
		39	1.5354	59	2.3228	79	3.1102		
								100	3.9370

* As established by the American Standards Association.

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