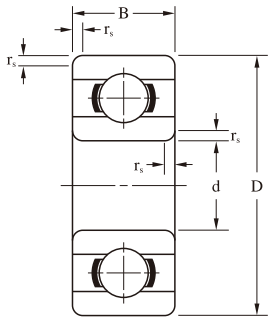
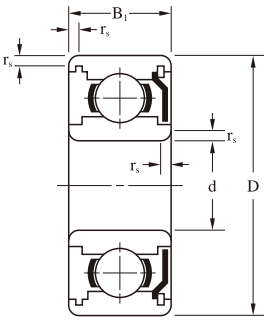
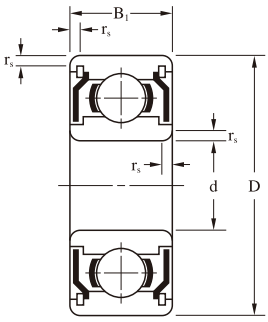
Metric series (continued)



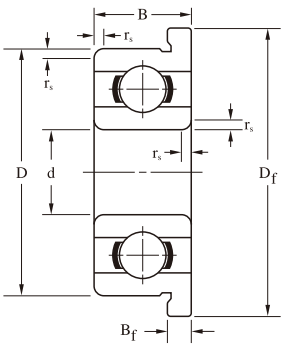


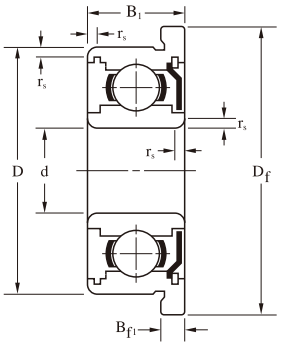


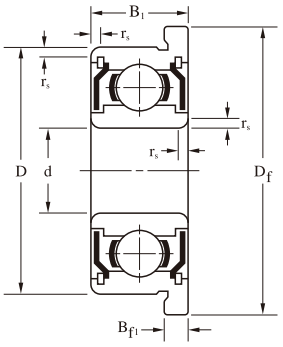


Bore Diameter: d		Outer Diameter: D		Flange Diameter: Df		Radius r's(min)		Open Bearings				Seal, Shield Bearings						
								Width: B		Flange Width: Bf		Bearing Reference						
												Open	Flange Open	Shield	Flange Shield	Seal		
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch					2RS	2RU	TTS
5.0	0.1969	8	0.3150	9.2	0.3622	0.10	0.0039	2.0	0.0787	0.6	0.0236	MR85	MF85	–	–	–	–	–
		8	0.3150	9.2	0.3622	0.10	0.0039	–	–	–	–	–	–	MR85ZZ	MF85ZZ	–	–	TTS
		9	0.3543	10.2	0.4016	0.15	0.0059	2.5	0.0984	0.6	0.0236	MR95	MF95	MR95ZZS	MF95ZZS	–	–	TTS
		10	0.3937	11.2*	0.4409	0.15	0.0059	3.0	0.1181	0.6	0.0236	MR105	MF105	MR105ZZ	MF105ZZ	2RS	2RU	–
		11	0.4331	12.6	0.4961	0.15	0.0059	–	–	–	–	–	–	MR115ZZ	MF115ZZ	2RS	2RU	–
		11	0.4331	12.5	0.4921	0.15	0.0059	3.0	0.1181	0.8	0.0315	685	F685	685ZZ	F685ZZ	2RS	2RU	–
		13	0.5118	15.0	0.5906	0.20	0.0079	4.0	0.1575	1.0	0.0394	695	F695	695ZZ	F695ZZ	2RS	2RU	TTS [4]
		14	0.5512	16.0	0.6299	0.20	0.0079	5.0	0.1969	1.0	0.0394	605	F605	605ZZ	F605ZZ	2RS	2RU	–
		16	0.6299	18.0	0.7087	0.30	0.0118	5.0	0.1969	1.0	0.0394	625	F625	625ZZ	F625ZZ	2RS	2RU	TTS
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	635	F635	635ZZ	F635ZZ	2RS	2RU	–
6.0	0.2362	10	0.3937	11.2	0.4409	0.15 0.10	0.0059 0.0039	2.5	0.0984	0.6	0.0236	MR106	MF106	MR106ZZ	MF106ZZ	–	–	TTS [4]
		12	0.4724	13.2*	0.5197	0.20 0.15	0.0079 0.0059	3.0	0.1181	0.6	0.0236	MR126	MF126	MR126ZZ	MF126ZZ	2RS	2RU	–
		13	0.5118	15.0	0.5906	0.15	0.0059	3.5	0.1378	1.0	0.0394	686	F686	686ZZ	F686ZZ	2RS	2RU	TTS
		15	0.5906	17.0	0.6693	0.20	0.0079	5.0	0.1969	1.2	0.0472	696	F696	696ZZ	F696ZZ	2RS	2RU	TTS
		16	0.6299	–	–	0.20	0.0079	5.0	0.1969	–	–	–	–	696AZZ	–	2RS	2RU	–
		17	0.6693	19.0	0.7480	0.30	0.0118	6.0	0.2362	1.2	0.0472	606	F606	606ZZ	F606ZZ	2RS	2RU	–
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	626	F626	626ZZ	F626ZZ	2RS	2RU	TTS [4]
		22	0.8661	–	–	0.30	0.0118	7.0	0.2756	–	–	636	–	636ZZ	–	2RS	2RU	–
7.0	0.2756	11	0.4331	12.2	0.4803	0.15 0.10	0.0059 0.0039	2.5	0.0984	0.6	0.0236	MR117	MF117	MR117ZZS	MF117ZZS	–	–	TTS
		13	0.5118	14.2*	0.5591	0.20 0.15	0.0079 0.0059	3.0	0.1181	0.6	0.0236	MR137	MF137	MR137ZZ	MF137ZZ	–	–	TTS
		14	0.5512	16.0	0.6299	0.15	0.0059	3.5	0.1378	1.0	0.0394	687	F687	687ZZ	F687ZZ	2RS	2RU	TTS
		17	0.6693	19.0	0.7480	0.30	0.0118	5.0	0.1969	1.2	0.0472	697	F697	697ZZ	F697ZZ	2RS	2RU	–
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	607	F607	607ZZ	F607ZZ	2RS	2RU	TTS [4]
		22	0.8661	25.0	0.9843	0.30	0.0118	7.0	0.2756	1.5	0.0591	627	F627	627ZZ	F627ZZ	2RS	2RU	TTS
		26	1.0236	–	–	0.30	0.0118	9.0	0.3543	–	–	637	–	637ZZ	–	2RS	2RU	–
8.0	0.3150	12	0.4724	13.2*	0.5197	0.15 0.10	0.0059 0.0039	2.5	0.0984	0.6	0.0236	MR128	MF128	MR128ZZ	MF128ZZ	–	–	TTS
		14	0.5512	15.6	0.6142	0.20 0.15	0.0079 0.0059	3.5	0.1378	0.8	0.0315	MR148	MF148	MR148ZZ	MF148ZZ	2RS	2RU	–
		16	0.6299	18.0	0.7087	0.20	0.0079	4.0	0.1575	1.0	0.0394	688	F688	688ZZ	F688ZZ	2RS	2RU	TTS
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	698	F698	698ZZ	F698ZZ	2RS	2RU	–
		22	0.8661	25.0	0.9843	0.30	0.0118	7.0	0.2756	1.5	0.0591	608	F608	608ZZ	F608ZZ	2RS	2RU	TTS
		24	0.9449	–	–	0.30	0.0118	8.0	0.3150	–	–	628	–	628ZZ	–	2RS	2RU	–
		28	1.1024	–	–	0.30	0.0118	9.0	0.3543	–	–	638	–	638ZZ	–	2RS	2RU	–
9.0	0.3543	14	0.5512	15.5	0.6102	0.10	0.0039	3.0	0.1181	0.8	0.0315	679	F679	679ZZS	F679ZZS	–	–	TTS
		17	0.6693	19.0	0.7480	0.20	0.0079	4.0	0.1575	1.0	0.0394	689	F689	689ZZ	F689ZZ	2RS	2RU	–
		20	0.7874	23.0	0.9055	0.30	0.0118	6.0	0.2362	1.5	0.0591	699	F699	699ZZ	F699ZZ	2RS	2RU	–
		24	0.9449	27.0	1.0630	0.30	0.0118	7.0	0.2756	1.5	0.0591	609	F609	609ZZ	F609ZZ	2RS	2RU	–
		26	1.0236	–	–	0.60 [5]	0.0236 [5]	8.0	0.3150	–	–	629	–	629ZZ	–	2RS	2RU	–
		30	1.1811	–	–	0.60	0.0236	10.0	0.3937	–	–	639	–	639ZZ	–	2RS	2RU	–

1) *This dimension is increased by 0.4mm for shielded or seal version.
2) Bearings also available with single shield or seal : suffix Z、RS、RU or TS
3) Bearings also available with stainless material : suffix S or H
4) TTS [4] is used smaller ball,load rating is lower than standard.
5) Value [5] isn't based upon JIS B 1521.









Width: B_1		Flange Width:Bf1		Load Rating		Max. Speed		Cage Type	Ball Complement			Weight (Reference)			
				Cr(N)	Cor(N)	Grease	Oil		Qty.:Z	Size:Dw		Open	Flange Open	Shield	Flange Shield
mm	inch	mm	inch			x1000rpm			pcs.	mm	inch	g			
–	–	–	–	308	120	53	63	W	8	1.000	0.0394	0.25	0.33	–	–
2.5	0.0984	0.6	0.0236	218	90	53	63	W	9	0.800	0.0315	–	–	0.34	0.42
3.0	0.1181	0.6	0.0236	431	169	50	60	W	8	1.200	0.0472	0.54	0.62	0.58	0.66
4.0	0.1575	0.8	0.0315	431	169	50	60	W	8	1.200	0.0472	0.91	1.00	1.26	1.38
4.0	0.1575	0.8	0.0315	716	282	45	53	J	8	1.588	0.0625	–	–	0.62	0.81
5.0	0.1969	1.0	0.0394	716	282	45	53	J,TW	8	1.588	0.0625	1.16	1.33	1.93	2.15
4.0	0.1575	1.0	0.0394	1077	432	43	50	J	8	2.000	0.0787	2.39	2.73	2.31	2.65
5.0	0.1969	1.0	0.0394	1329	507	40	50	J,TW	7	2.381	0.0937	3.46	3.83	3.75	4.12
5.0	0.1969	1.0	0.0394	1729	675	36	43	J,TW	7	2.778	0.1094	4.95	5.37	5.10	5.52
6.0	0.2362	1.5	0.0591	2336	896	32	40	J,TW	6	3.500	0.1378	8.50	9.26	8.89	9.65
3.0	0.1181	0.6	0.0236	496	218	45	53	W	10	1.200	0.0472	0.55	0.64	0.70	0.79
4.0	0.1575	0.8	0.0315	716	295	43	50	W,J,TW	8	1.588	0.0625	1.25	1.44	1.66	1.86
5.0	0.1969	1.1	0.0433	1082	442	40	50	J,TW	8	2.000	0.0787	1.87	2.21	2.68	3.06
5.0	0.1969	1.2	0.0472	1340	523	40	45	J	7	2.381	0.0937	3.85	4.24	3.65	4.04
5.0	0.1969	–	–	1340	523	40	45	J	7	2.381	0.0937			4.59	
6.0	0.2362	1.2	0.0472	2263	846	38	45	J	6	3.500	0.1378	5.94	6.47	6.89	7.42
6.0	0.2362	1.5	0.0591	2336	896	32	40	J,TW	6	3.500	0.1378	8.12	9.25	8.65	9.78
7.0	0.2756	–	–	3333	1423	30	36	J,TW	7	3.969	0.1563	13.9	–	14.5	–
3.0	0.1181	0.6	0.0236	455	202	43	50	W	9	1.200	0.0472	0.59	0.69	0.71	0.81
4.0	0.1575	0.8	0.0315	541	276	40	48	W	12	1.200	0.0472	1.52	1.64	2.01	2.17
5.0	0.1969	1.1	0.0433	1173	513	40	50	J	9	2.000	0.0787	2.03	2.40	2.95	3.35
5.0	0.1969	1.2	0.0472	1605	719	36	43	J	9	2.381	0.0937	5.26	5.79	5.01	5.54
6.0	0.2362	1.5	0.0591	2336	896	36	43	J,TW	6	3.500	0.1378	7.80	8.93	8.24	9.37
7.0	0.2756	1.5	0.0591	3287	1379	30	36	J,TW	7	3.969	0.1563	12.7	14.0	13.1	14.4
9.0	0.3543	–	–	4563	1983	28	34	J	7	4.762	0.1875	24.2	–	25.8	–
3.5	0.1378	0.8	0.0315	543	274	40	48	W	12	1.200	0.0472	0.70	0.81	0.99	1.14
4.0	0.1575	0.8	0.0315	817	386	38	45	J	10	1.588	0.0625	1.90	2.13	2.19	2.42
5.0	0.1969	1.1	0.0433	1252	592	36	43	J,TW	10	2.000	0.0787	3.11	3.53	4.05	4.51
6.0	0.2362	1.5	0.0591	2237	917	36	43	J	7	3.175	0.1250	7.12	8.50	7.57	8.70
7.0	0.2756	1.5	0.0591	3293	1379	34	40	J,TW	7	3.969	0.1563	11.8	13.1	12.9	14.2
8.0	0.3150	–	–	3333	1423	28	34	J	7	3.969	0.1563	17.1	–	18.5	–
9.0	0.3543	–	–	4563	1983	28	34	J	7	4.762	0.1875	28.1	–	30.3	–
4.5	0.1772	0.8	0.0315	919	468	36	42	J	12	1.588	0.0625	1.35	1.57	1.98	2.20
5.0	0.1969	1.1	0.0433	1327	668	36	43	J	11	2.000	0.0787	3.41	3.85	4.38	4.87
6.0	0.2362	1.5	0.0591	2467	1081	34	40	J	8	3.175	0.1250	8.38	9.57	8.54	9.73
7.0	0.2756	1.5	0.0591	3356	1444	32	38	J	7	3.969	0.1563	14.7	16.1	16.0	17.4
8.0	0.3150	–	–	4563	1983	28	34	J	7	4.762	0.1875	19.0	–	21.8	–
10.0	0.3937	–	–	4659	2080	24	30	J	7	4.762	0.1875	36.2	–	37.1	–