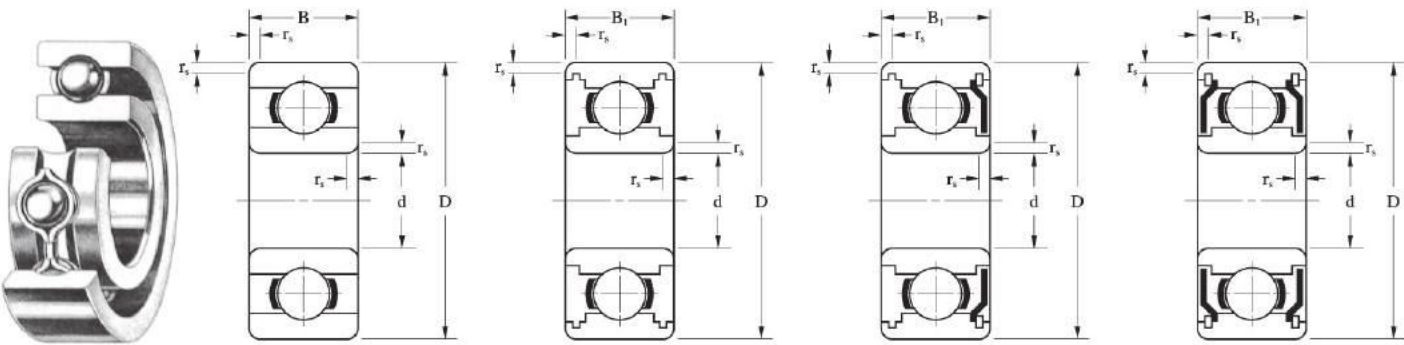
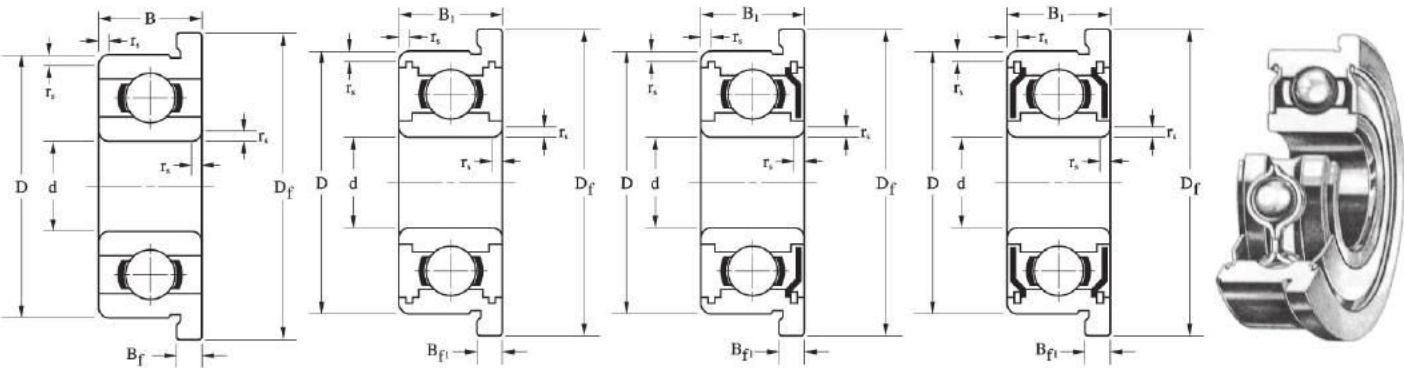


Metric series (5≤d≤9mm)



Bore Diameter: d	Outer Diameter: D	Flange Diameter: Df	Chamfer rs(min)	Open Bearings				Seal, Shield Bearings							
				Width: B		Flange Width: Bf		Bearing Reference							
				mm	inch	mm	inch	Open		Flange Open		2 Shields		Flange 2 Shields	
mm	inch	mm	inch					Open	Flange Open	2 Shields	Flange 2 Shields	2RS	2RU	2TS	TTS
5	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	MR95ZZ	MF95ZZ
		10	0.3937	11.2	0.4409	0.15	0.0059	3.0	0.1181	0.6	0.0236	MR105	MF105	—	—
		10	0.3937	11.6	0.4567	0.15	0.0059	—	—	—	—	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
		13	0.5118	15.0	0.5906	0.20	0.0079	4.0	0.1575	1.0	0.0394	695 ⁽¹⁾	F695 ⁽¹⁾	695ZZ	F695ZZ
		14	0.5512	16.0	0.6299	0.20	0.0079	5.0	0.1969	1.0	0.0394	605 ⁽¹⁾	F605 ⁽¹⁾	605ZZ	F605ZZ
		16	0.6299	18.0	0.7087	0.30	0.0118	5.0	0.1969	1.0	0.0394	625 ⁽¹⁾	F625 ⁽¹⁾	625ZZ	F625ZZ
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	635 ⁽¹⁾	F635 ⁽¹⁾	635ZZ	F635ZZ
6	0.2362	10	0.3937	11.2	0.4409	0.15	0.0059	2.5	0.0984	0.6	0.0236	MR106	MF106	—	—
		10	0.3937	11.2	0.4409	0.10	0.0039	—	—	—	—	MR106ZZ	MF106ZZ	—	—
		10	0.3937	—	—	0.10	0.0039	3.0	0.1181	—	—	—	—	—	TTS
		12	0.4724	13.2	0.5197	0.20	0.0079	3.0	0.1181	0.6	0.0236	MR126	MF126	—	—
		12	0.4724	13.6	0.5354	0.20	0.0079	—	—	—	—	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
		15	0.5906	17.0	0.6693	0.20	0.0079	5.0	0.1969	1.2	0.0472	696 ⁽¹⁾	F696 ⁽¹⁾	696ZZ	F696ZZ
		16	0.6299	—	—	0.20	0.0079	5.0	0.1969	—	—	696A ⁽¹⁾	—	2RS	2RU
		17	0.6693	19.0	0.7480	0.30	0.0118	6.0	0.2362	1.2	0.0472	606 ⁽¹⁾	F606 ⁽¹⁾	606ZZ	F606ZZ
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	626 ⁽¹⁾	F626 ⁽¹⁾	626ZZ	F626ZZ
		19	0.7480	—	—	0.30	0.0118	6.0	0.2362	—	—	626(TTS)	—	—	TTS
		22	0.8661	—	—	0.30	0.0118	7.0	0.2756	—	—	636 ⁽¹⁾	—	2RS	2RU
7	0.2756	11	0.4331	12.2	0.4803	0.15	0.0059	2.5	0.0984	0.6	0.0236	MR117	MF117	MR117ZZS	MF117ZZS
		13	0.5118	14.2	0.5591	0.20	0.0079	3.0	0.1181	0.6	0.0236	MR137	MF137	—	—
		13	0.5118	14.6	0.5748	0.15	0.0059	—	—	—	—	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
		17	0.6693	19.0	0.7480	0.30	0.0118	5.0	0.1969	1.2	0.0472	697 ⁽¹⁾	F697 ⁽¹⁾	697ZZ	F697ZZ
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	607 ⁽¹⁾	F607 ⁽¹⁾	607ZZ	F607ZZ
		19	0.7480	—	—	0.30	0.0118	6.0	0.2362	—	—	607(TTS)	—	—	TTS
		22	0.8661	25.0	0.9843	0.30	0.0118	7.0	0.2756	1.5	0.0591	627 ⁽¹⁾	F627 ⁽¹⁾	627ZZ	F627ZZ
		26	1.0236	—	—	0.30	0.0118	9.0	0.3543	—	—	637 ⁽¹⁾	—	2RS	2RU
8	0.3150	12	0.4724	13.2	0.5197	0.15	0.0059	2.5	0.0984	0.6	0.0236	MR128	MF128	—	—
		12	0.4724	13.6	0.5354	0.10	0.0039	—	—	—	—	MR128ZZ	MF128ZZ	2RS	2RU
		14	0.5512	15.6	0.6142	0.20	0.0079	3.5	0.1378	0.8	0.0315	MR148	MF148	—	—
		14	0.5512	15.6	0.6142	0.15	0.0059	—	—	—	—	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
		19	0.7480	22.0	0.8661	0.30	0.0118	6.0	0.2362	1.5	0.0591	698 ⁽¹⁾	F698 ⁽¹⁾	698ZZ	F698ZZ
		22	0.8661	25.0	0.9843	0.30	0.0118	7.0	0.2756	1.5	0.0591	608 ⁽¹⁾	F608 ⁽¹⁾	608ZZ	F608ZZ
		24	0.9449	—	—	0.30	0.0118	8.0	0.3150	—	—	628 ⁽¹⁾	—	2RS	2RU
		28	1.1024	—	—	0.30	0.0118	9.0	0.3543	—	—	638 ⁽¹⁾	—	2RS	2RU
9	0.3543	14	0.5512	—	—	0.10	0.0039	3.0	0.1181	—	—	679	—	679ZZS	—
		17	0.6693	19.0	0.7480	0.20	0.0079	4.0	0.1575	1.0	0.0394	689	F689	689ZZ	F689ZZ
		20	0.7874	23.0	0.9055	0.30	0.0118	6.0	0.2362	1.5	0.0591	699 ⁽¹⁾	F699 ⁽¹⁾	699ZZ	F699ZZ
		24	0.9449	27.0	1.0630	0.30	0.0118	7.0	0.2756	1.5	0.0591	609 ⁽¹⁾	F609 ⁽¹⁾	609ZZ	F609ZZ
		26	1.0236	—	—	0.60 ⁽⁴⁾	0.0236 ⁽⁴⁾	8.0	0.3150	—	—	629 ⁽¹⁾	—	2RS	2RU
		30	1.1811	—	—	0.60	0.0236	10.0	0.3937	—	—	639 ⁽¹⁾	—	2RS	2RU

(1) Open type bearings have shield/seal grooves. (2) Single shield or single seal types are also available; suffix Z, RS, RU or TS.
(3) Prefix S or suffix H is added for stainless material types. Load ratings of stainless material types are calculated by Cr×0.85 and Cor×0.80 of SUJ2 material types.
(4) Chamfer dimension (4) is not based on JIS B 1521.
(5) Applicable only for open, single Z, ZZ, single RU and 2RU types in inner ring rotating conditions. Max. speeds for the contact rubber seal(s) types will be around 50-60% of above values.



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	2Shields	Flange 2Shields
mm	inch	mm	inch	(N)		x1000min ⁻¹		pcs.	mm		inch	g					
—	—	—	—	309	121	62	74	W	8	1.000	0.0394	0.26	0.33	—	—		
2.5	0.0984	0.6	0.0236	218	91	63	75	W	9	0.800	0.0315	—	—	0.36	0.42		
3.0	0.1181	0.6	0.0236	432	168	60	71	W	8	1.200	0.0472	0.50	0.58	0.58	0.65		
—	—	—	—	432	168	60	71	W	8	1.200	0.0472	0.94	1.03	—	—		
4.0	0.1575	0.8	0.0315	432	168	60	71	W	8	1.200	0.0472	—	—	1.23	1.38		
4.0	0.1575	0.8	0.0315	716	283	54	64	J	8	1.588	0.0625	—	—	1.54	1.71		
5.0	0.1969	1.0	0.0394	716	283	54	64	J,TW	8	1.588	0.0625	1.18	1.34	1.83	2.03		
4.0	0.1575	1.0	0.0394	1 080	430	50	59	J	8	2.000	0.0787	2.13	2.47	2.28	2.62		
5.0	0.1969	1.0	0.0394	1 330	507	48	56	J,TW	7	2.381	0.0937	3.09	3.52	3.36	3.79		
5.0	0.1969	1.0	0.0394	1 730	670	44	52	J,TW	7	2.778	0.1094	4.30	4.71	4.53	4.94		
6.0	0.2362	1.5	0.0591	2 340	889	38	45	J	6	3.500	0.1378	7.57	8.68	8.11	9.21		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	497	219	54	64	W	10	1.200	0.0472	0.58	0.66	—	—		
3.0	0.1181	0.6	0.0236	497	218	55	64	W	10	1.200	0.0472	—	—	0.71	0.78		
3.0	0.1181	—	—	373	172	55	65	W	11	1.000	0.0394	0.73	—	0.78	—		
—	—	—	—	716	293	50	59	W,J	8	1.588	0.0625	1.24	1.35	—	—		
4.0	0.1575	0.8	0.0315	716	293	50	59	W,J	8	1.588	0.0625	—	—	1.57	1.77		
5.0	0.1969	1.1	0.0433	1 080	438	48	56	J,TW	8	2.000	0.0787	1.85	2.17	2.50	2.86		
5.0	0.1969	1.2	0.0472	1 340	517	46	54	J	7	2.381	0.0937	3.52	3.98	3.82	4.28		
5.0	0.1969	—	—	1 340	517	46	54	J	7	2.381	0.0937	4.46	—	4.76	—		
6.0	0.2362	1.2	0.0472	2 260	838	42	49	J	6	3.500	0.1378	5.43	5.97	5.94	6.47		
6.0	0.2362	1.5	0.0591	2 340	889	38	45	J,TW	6	3.500	0.1378	7.18	8.31	7.70	8.84		
6.0	0.2362	—	—	2 240	912	37	44	J	7	3.175	0.1250	7.50	—	7.72	—		
7.0	0.2756	—	—	3 300	1 370	33	39	J	7	3.969	0.1563	12.2	—	12.8	—		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
3.0	0.1181	0.6	0.0236	456	201	50	59	W	9	1.200	0.0472	0.61	0.70	0.75	0.84		
—	—	—	—	541	276	45	53	W	12	1.200	0.0472	1.55	1.67	—	—		
4.0	0.1575	0.8	0.0315	541	276	45	53	W	12	1.200	0.0472	—	—	2.00	2.25		
5.0	0.1969	1.1	0.0433	1 180	511	44	52	J	9	2.000	0.0787	2.04	2.39	2.77	3.15		
5.0	0.1969	1.2	0.0472	1 610	716	40	47	J,TW	9	2.381	0.0937	4.81	5.35	5.03	5.57		
6.0	0.2362	1.5	0.0591	2 340	889	38	45	J,TW	6	3.500	0.1378	6.76	7.90	7.26	8.40		
6.0	0.2362	—	—	2 240	912	37	44	J	7	3.175	0.1250	6.91	—	7.13	—		
7.0	0.2756	1.5	0.0591	3 300	1 370	33	39	J,TW	7	3.969	0.1563	11.6	13.0	12.2	13.6		
9.0	0.3543	—	—	4 580	1 970	28	33	J	7	4.762	0.1875	22.1	—	23.2	—		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	544	275	46	54	W	12	1.200	0.0472	0.71	0.80	—	—		
3.5	0.1378	0.8	0.0315	544	275	46	54	W	12	1.200	0.0472	—	—	1.01	1.20		
—	—	—	—	818	386	42	50	J	10	1.588	0.0625	1.80	2.01	—	—		
4.0	0.1575	0.8	0.0315	818	386	42	50	J,TW	10	1.588	0.0625	—	—	2.00	2.22		
5.0	0.1969	1.1	0.0433	1 260	590	40	47	J	10	2.000	0.0787	3.16	3.57	3.79	4.25		
6.0	0.2362	1.5	0.0591	2 240	912	37	44	J	7	3.175	0.1250	6.21	7.34	6.72	7.85		
7.0	0.2756	1.5	0.0591	3 300	1 370	33	39	J,TW	7	3.969	0.1563	11.0	12.3	11.6	12.9		
8.0	0.3150	—	—	3 330	1 410	31	37	J	7	3.969	0.1563	16.5	—	17.2	—		
9.0	0.3543	—	—	4 580	1 970	28	33	J	7	4.762	0.1875	27.2	—	28.4	—		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
4.5	0.1772	—	—	919	467	41	48	W	12	1.588	0.0625	1.29	—	1.84	—		
5.0	0.1969	1.1	0.0433	1 330	664	37	44	J	11	2.000	0.0787	3.43	3.86	4.12	4.58		
6.0	0.2362	1.5	0.0591	2 470	1 070	35	42	J	8	3.175	0.1250	7.09	8.27	7.59	8.77		
7.0	0.2756	1.5	0.0591	3 350	1 430	30	36	J	7	3.969	0.1563	13.3	14.7	14.0	15.5		
8.0	0.3150	—	—	4 580	1 970	28	33	J	7	4.762	0.1875	17.8	—	18.9	—		
10.0	0.3937	—	—	5 110	2 390	25	30	RJ	8	4.762	0.1875	33.3	—	34.8	—		