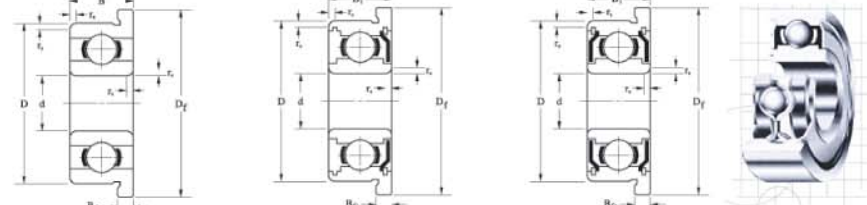
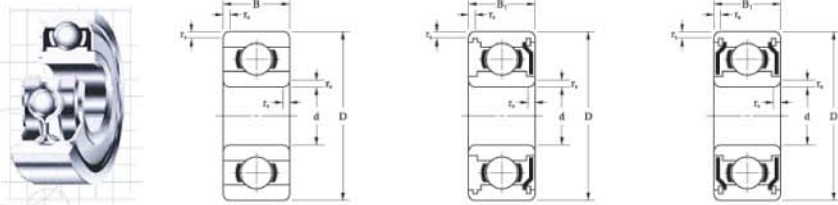


Metric series



Technical

Dimension

Bore Diameter: d		Outer Diameter: D		Flange Diameter: Df		Radius: r (mm)		Open Bearings				Seal, Shield Bearings					
mm	inch	mm	inch	mm	inch	mm	inch	Width: B	Flange Width: Bf	Bearing Reference				Seal			
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	Open	Flange Open	Shield	Flange Shield	2RS	2RU	TTS	
0.6	0.0236	2.5	0.0984	—	—	0.05	0.0020	1.0	0.0394	—	—	680.6	—	—	—	—	
1.0	0.0394	3	0.1181	3.8	0.1496	0.05	0.0020	1.0	0.0394	0.3	0.0118	681	F681	—	—	—	
												MR31	—	—	—	—	
												691	F691	—	—	—	
1.2	0.0472	4	0.1575	4.8	0.1890	0.10	0.0039	1.8	0.0709	0.4	0.0157	MR41X	MF41X	MR41XZZ	—	—	
1.5	0.0591	4	0.1575	5.0	0.1969	0.05	0.0020	1.2	0.0472	0.4	0.0157	681X	F681X	681XZZ	F681XZZ	—	—
												691X	F691X	691XZZ	F691XZZ	—	—
												601X	F601X	601XZZ	F601XZZ	—	—
2.0	0.0787	4	0.1575	—	—	0.05	0.0020	1.2	0.0472	—	—	672	—	672ZZ	—	—	
												682	F682	682ZZ	F682ZZ	—	—
												MR52	MF52	MR52ZZ	MF52ZZ	—	—
												692	F692	692ZZ	F692ZZ	—	TTS
												MR62	MF62	MR62ZZ	—	—	
												MR72	MF72	MR72ZZS	MF72ZZS	—	TTS
												602	F602	602ZZS	F602ZZS	—	TTS
2.5	0.0984	6	0.2362	7.1	0.2795	0.08	0.0031	1.8	0.0709	0.5	0.0197	682X	F682X	682XZZ	F682XZZ	—	—
												692X	F692X	692XZZS	F692XZZS	—	TTS
												MR82X	MF82X	—	—	—	
												602X	F602X	602XZZ	F602XZZ	—	—
3.0	0.1181	6	0.2362	7.2	0.2835	0.10	0.0039	2.0	0.0787	0.6	0.0236	MR83	MF83	MR83ZZ	MF83ZZ	—	—
												683	F683	683ZZ	F683ZZ	—	TTS 4
												MR83	MF83	MR83ZZ	—	—	
												693	F693	693ZZ	F693ZZ	2RS	—
												MR93	MF93	MR93ZZ	MF93ZZ	—	—
												603	F603	603ZZ	F603ZZ	—	—
												623	F623	623ZZ	F623ZZ	2RS	2RU
												633	—	633ZZ	—	2RS	2RU
4.0	0.1575	7	0.2756	8.2	0.3228	0.10	0.0039	2.0	0.0787	0.6	0.0236	MR74	MF74	—	—	—	
												—	—	MR74ZZ	MF74ZZ	—	—
												MR84	MF84	—	—	—	
												—	—	MR84ZZ	MF84ZZ	—	—
												684	F684	684ZZ	F684ZZ	2RS	2RU
												MR104	MF104	—	—	—	
												—	—	MR104ZZ	MF104ZZ	2RS	2RU
												694	F694	694ZZ	F694ZZ	2RS	2RU
												604	F604	604ZZ	F604ZZ	2RS	2RU
												624	F624	624ZZ	F624ZZ	2RS	2RU
												634	F634	634ZZ	F634ZZ	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.

Width: B		Flange Width: Bf1		Load Rating		Max. Speed		Cage Type	Ball Complement		Weight (Reference)				
mm	inch	mm	inch	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			
—	—	—	—	68	16	142	160	W	5	0.500	0.0197	0.02	—	—	—
—	—	—	—	96	26	130	150	W	6	0.600	0.0236	0.03	0.04	—	—
—	—	—	—	96	26	130	150	W	6	0.600	0.0236	0.05	—	—	—
—	—	—	—	141	37	100	120	W	5	0.800	0.0315	0.11	0.14	—	—
2.5	0.0984	—	—	112	33	110	130	W	7	0.600	0.0236	0.10	0.12	0.14	—
2.0	0.0787	0.6	0.0236	112	33	100	120	W	7	0.600	0.0236	0.10	0.12	0.14	0.17
2.6	0.1024	0.8	0.0315	169	50	85	100	W	6	1.000	0.0394	0.20	0.26	0.25	0.33
3.0	0.1181	0.8	0.0315	330	99	75	90	W	6	1.200	0.0472	0.31	0.38	0.40	0.50
2.0	0.0787	—	—	124	40	91	104	W	8	0.600	0.0236	0.05	—	0.07	—
2.3	0.0906	0.6	0.0236	169	50	85	100	W	6	0.800	0.0315	0.15	0.19	0.20	0.24
2.5	0.0984	0.6	0.0236	169	50	85	100	W	6	0.800	0.0315	0.14	0.19	0.20	0.25
3.0	0.1181	0.8	0.0315	330	99	75	90	W, J, TW	6	1.200	0.0472	0.28	0.35	0.35	0.45
2.5	0.0984	—	—	330	99	75	90	W, J	6	1.200	0.0472	0.28	0.34	0.33	—
3.0	0.1181	0.6	0.0236	386	129	63	75	W	7	1.200	0.0472	0.43	0.50	0.53	0.60
3.5	0.1378	0.9	0.0354	386	129	60	71	W	7	1.200	0.0472	0.50	0.60	0.60	0.73
2.6	0.1024	0.8	0.0315	209	74	71	80	W	8	0.800	0.0315	0.20	0.24	0.35	0.42
3.5	0.1378	0.9	0.0354	386	129	63	75	W	7	1.200	0.0472	0.40	0.50	0.55	0.68
—	—	—	—	558	180	60	67	W	6	1.588	0.0625	0.52	0.60	—	—
4.0	0.1575	0.9	0.0354	552	177	60	71	W	6	1.588	0.0625	0.61	0.72	0.85	0.99
2.5	0.0984	0.6	0.0236	209	74	71	80	W	8	0.800	0.0315	0.20	0.26	0.28	0.34
3.0	0.1181	0.8	0.0315	311	112	63	75	W	8	1.000	0.0394	0.32	0.37	0.45	0.53
3.0	0.1181	—	—	395	141	60	67	J	7	1.200	0.0472	0.51	0.59	0.67	—
4.0	0.1575	0.9	0.0354	558	180	60	67	W, J, TW	6	1.588	0.0625	0.60	0.71	0.80	0.94
4.0	0.1575	0.8	0.0315	571	189	56	67	W	6	1.588	0.0625	0.75	0.83	1.15	1.30
5.0	0.1969	1.0	0.0394	571	189	56	67	W	6	1.588	0.0625	0.84	0.96	1.13	1.61
4.0	0.1575	1.0	0.0394	631	219	50	60	J, TW	7	1.588	0.0625	1.45	1.65	1.65	1.85
5.0	0.1969	—	—	1301	488	40	48	J	7	2.381	0.0937	3.27	—	3.43	—
—	—	—	—	311	115	60	67	W	8	1.000	0.0394	0.23	0.30	—	—
2.5	0.0984	0.6	0.0236	255	106	60	67	W	11	0.800	0.0315	—	—	0.33	0.40
3.0	0.1181	0.6	0.0236	395	141	56	67	W, J, TW	7	1.200	0.0472	0.39	0.47	0.56	0.64
4.0	0.1575	1.0	0.0394	641	227	53	63	W, J, TW	7	1.588	0.0625	0.65	0.74	1.00	1.15
4.0	0.1575	0.8	0.0315	711	272	48	56	J	8	1.588	0.0625	0.96	1.04	1.33	1.50
4.0	0.1575	1.0	0.0394	957	350	48	56	J	7	2.000	0.0787	1.69	1.91	1.75	1.97
4.0	0.1575	1.0	0.0394	957	350	48	56	J	7	2.000	0.0787	2.19	2.42	2.34	2.57
5.0	0.1969	1.0	0.0394	1301	488	40	48	J	7	2.381	0.0937	3.10	3.44	3.20	3.54
5.0	0.1969	1.0	0.0394	1340	523	36	43	J	7	2.381	0.0937	5.24	5.66	5.44	5.86