

Technical

Dimension

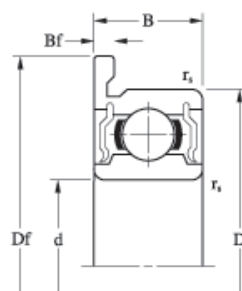
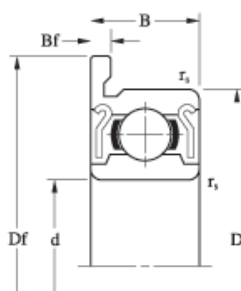
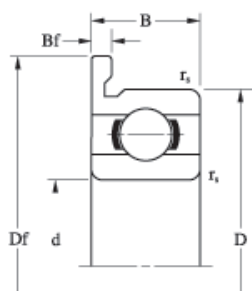
Bore Diameter: d		Outer Diameter: D		Flange Diameter: Df		Radius rs(min)		Width: B		Flange Width: Bf		Bearing Reference			
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	Open	Flange Open	Shield	Flange Shield
10	0.3937	15	0.5906	16.5	0.6496	0.15	0.0059	3	0.1181	0.8	0.0315	6700	F6700	—	—
		15	0.5906	16.5	0.6496	0.15	0.0059	4	0.1575	0.8	0.0315	—	—	6700ZZS	F6700ZZS
		19	0.7480	21.0	0.8268	0.30	0.0118	5	0.1969	1.0	0.0394	6800	F6800	6800ZZ	F6800ZZ
		19	0.7480	21.0	0.8268	0.30	0.0118	7	0.2756	1.5	0.0591	63800	F63800	63800ZZ	F63800ZZ
		22	0.8661	25.0	0.9843	0.30	0.1181	6	0.2362	1.5	0.0591	6900	F6900	6900ZZ	F6900ZZ
12	0.4724	18	0.7087	19.5	0.7677	0.20	0.0079	4	0.1575	0.8	0.0315	6701	F6701	6701ZZS	F6701ZZS
		21	0.8268	23.0	0.9055	0.30	0.0118	5	0.1969	1.1	0.0433	6801	F6801	6801ZZ	F6801ZZ
		21	0.8268	23.0	0.9055	0.30	0.0118	7	0.2756	1.5	0.0591	63801	F63801	63801ZZ	F63801ZZ
		24	0.9449	26.5	1.0433	0.30	0.0118	6	0.2362	1.5	0.0591	6901	F6901	6901ZZ	F6901ZZ
15	0.5906	21	0.8268	22.5	0.8858	0.20	0.0079	4	0.1575	0.8	0.0315	6702	F6702	6702ZZS	F6702ZZS
		24	0.9449	26.0	1.0236	0.30	0.0118	5	0.1969	1.1	0.0433	6802	F6802	6802ZZ	F6802ZZ
		24	0.9449	26.0	1.0236	0.30	0.0118	7	0.2756	1.5	0.0591	63802	F63802	63802ZZ	F63802ZZ
		28	1.1024	30.5	1.2008	0.30	0.0118	7	0.2756	1.5	0.0591	6902	F6902	6902ZZ	F6902ZZ
17	0.6693	23	0.9055	24.5	0.9646	0.20	0.0079	4	0.1575	0.8	0.0315	6703	F6703	6703ZZS	F6703ZZS
		26	1.0236	28.0	1.1024	0.30	0.0118	5	0.1969	1.1	0.0433	6803	F6803	6803ZZ	F6803ZZ
		26	1.0236	28.0	1.1024	0.30	0.0118	7	0.2756	1.5	0.0591	63803	F63803	63803ZZ	F63803ZZ
		30	1.1811	32.5	1.2795	0.30	0.0118	7	0.2756	1.5	0.0591	6903	F6903	6903ZZ	F6903ZZ
20	0.7874	27	1.0630	28.5	1.1220	0.20	0.0079	4	0.1575	0.8	0.0315	6704	F6704	6704ZZS	F6704ZZS
		32	1.2598	35.0	1.3780	0.30	0.0118	7	0.2756	1.5	0.0591	6804	F6804	6804ZZ	F6804ZZ
		32	1.2598	35.0	1.3780	0.30	0.0118	10	0.3937	2.0	0.0787	63804	F63804	63804ZZ	F63804ZZ
		37	1.4567	40.0	1.5748	0.30	0.0118	9	0.3543	2.0	0.0787	6904	F6904	6904ZZ	F6904ZZ
25	0.9843	32	1.2598	34.0	1.3386	0.20	0.0079	4	0.1575	1.0	0.0394	6705	F6705	—	—
		37	1.4567	40.0	1.5748	0.30	0.0118	7	0.2756	1.5	0.0591	6805	F6805	6805ZZ	F6805ZZ
		37	1.4567	40.0	1.5748	0.30	0.0118	10	0.3937	2.0	0.0787	63805	F63805	63805ZZ	F63805ZZ
		42	1.6535	45.0	1.7717	0.30	0.0118	9	0.3543	2.0	0.0787	6905	F6905	6905ZZ	F6905ZZ
30	1.1811	37	1.4567	39.0	1.5354	0.20	0.0079	4	0.1575	1.0	0.0394	6706	F6706	—	—
		42	1.6535	45.0	1.7717	0.30	0.0118	7	0.2756	1.5	0.0591	6806	F6806	6806ZZ	F6806ZZ
		42	1.6535	45.0	1.7717	0.30	0.0118	10	0.3937	2.0	0.0787	63806	F63806	63806ZZ	F63806ZZ
		47	1.8504	50.0	1.9685	0.30	0.0118	9	0.3543	2.0	0.0787	6906	F6906	6906ZZ	F6906ZZ

1) Bearings also available with single shield or seal : suffix Z, RS, RU or TS

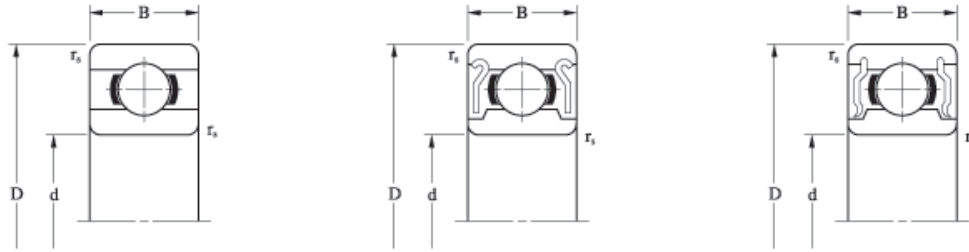
2) Bearings also available with stainless material : suffix H

3) SUJ2 bearings use RJ type retainer, stainless bearings use J type retainer.

Extra thin metric series: 6700,6800,6900



Seal			Load Rating		Max. Speed		Cage Type	Ball Complement			Weight (Ref.)	
			Cr(N)	Cor(N)	Grease	Oil		Qty.:Z	Size:Dw		Shield	Flange Shield
2RS	2RU	TTS	855	435	x1000rpm		W	11	1.588	0.0625	1.4	1.6
–	–	–	855	435	15	17	W	11	1.588	0.0625	1.4	1.6
2RS	–	TTS	855	435	15	17	W	11	1.588	0.0625	1.9	2.1
2RS	2RU	–	1716	840	37	43	J,TW	10	2.381	0.0937	5.6	6.1
2RS	2RU	–	1716	840	37	43	J,TW	10	2.381	0.0937	7.4	8.1
2RS	2RU	–	2695	1273	34	41	J	9	3.175	0.1250	10.0	11.3
2RS	–	TTS	926	530	13	15	W	13	1.588	0.0625	3.1	3.4
2RS	2RU	–	1915	1041	33	39	J,TW	12	2.381	0.0937	6.5	7.1
2RS	2RU	–	1915	1041	33	39	J,TW	12	2.381	0.0937	8.5	9.3
2RS	2RU	–	2886	1466	31	36	J	10	3.175	0.1250	12.0	13.2
2RS	–	TTS	937	582	11	13	W	14	1.588	0.0625	3.6	3.9
2RS	2RU	–	2073	1253	28	33	J,TW	14	2.381	0.0937	7.6	8.3
2RS	2RU	–	2073	1253	28	33	J,TW	14	2.381	0.0937	10.0	10.9
2RS	2RU	–	4321	2259	26	30	J	10	3.969	0.1563	19.0	19.9
2RS	–	TTS	1000	658	9.5	11	W	16	1.588	0.0625	4.0	4.4
2RS	2RU	–	2233	1456	26	30	J,TW	16	2.381	0.0937	8.2	8.9
2RS	2RU	–	2233	1456	26	30	J,TW	16	2.381	0.0937	11.0	12.0
2RS	2RU	–	4588	2565	23	38	J	11	3.969	0.1563	20.0	21.4
2RS	–	TTS	1402	729	8.5	10	W	18	1.588	0.0625	5.9	6.3
2RS	2RU	–	4015	2462	21	25	J,RJ ³⁾	13	3.500	0.1378	18.0	19.8
2RS	2RU	–	4015	2462	21	25	J,RJ ³⁾	13	3.500	0.1378	24.0	26.5
2RS	2RU	–	6381	3682	19	23	RJ	11	4.762	0.1875	40.0	42.8
2RS	–	–	1091	838	7	8	W	21	1.588	0.0625	7.1	7.9
2RS	2RU	–	4303	2932	18	21	J,RJ ³⁾	15	3.500	0.1378	24.0	26.1
2RS	2RU	–	4303	2932	18	21	J,RJ ³⁾	15	3.500	0.1378	32.0	34.1
2RS	2RU	–	7001	4540	16	19	RJ	13	4.762	0.1875	47.0	50.2
–	2RU	–	1143	947	5.5	7	W	24	1.588	0.0625	8.3	9.2
2RS	2RU	–	4538	3402	15	18	J,RJ ³⁾	17	3.500	0.1378	27.0	29.4
2RS	2RU	–	4538	3402	15	18	J,RJ ³⁾	17	3.500	0.1378	36.0	39.2
2RS	2RU	–	7242	5003	14	17	RJ	14	4.762	0.1875	53.0	56.6



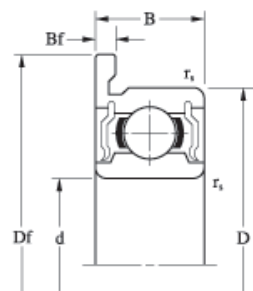
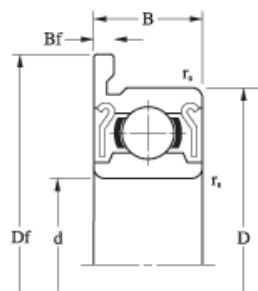
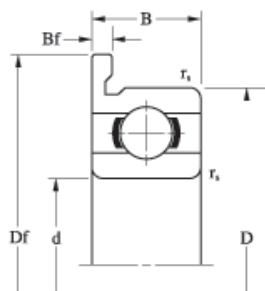
Bore Diameter: d		Outer Diameter: D		Flange Diameter: Df		Radius r _s (min)		Width: B		Flange Width: B _f		Bearing Reference			
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	Open	Flange Open	Shield	Flange Shield
35	1.3780	44	1.7323	—	—	0.30	0.0118	5	0.1969	—	—	6707	—	—	—
		47	1.8504	50.0	1.9685	0.30	0.0118	7	0.2756	1.5	0.0591	6807	F6807	6807ZZ	F6807ZZ
		55	2.1654	58.0	2.2835	0.60	0.0236	10	0.3937	2.5	0.0984	6907	F6907	6907ZZ	F6907ZZ
40	1.5748	50	1.9685	—	—	0.30	0.0118	6	0.2362	—	—	6708	—	—	—
		52	2.0472	55.0	2.1654	0.30	0.0118	7	0.2756	1.5	0.0591	6808	F6808	6808ZZ	F6808ZZ
		62	2.4409	65.0	2.5591	0.60	0.0236	12	0.4724	2.5	0.0984	6908	F6908	6908ZZ	F6908ZZ
45	1.7717	55	2.1654	—	—	0.3	0.0118	6	0.2362	—	—	6709	—	—	—
		58	2.2835	61	2.4016	0.3	0.0118	7	0.2756	1.5	0.0591	6809	F6809	6809ZZ	F6809ZZ
		68	2.6772	71	2.7953	0.6	0.0236	12	0.4724	2.5	0.0984	6909	F6909	6909ZZ	F6909ZZ
50	1.9685	62	2.4409	—	—	0.3	0.0118	6	0.2362	—	—	6710	—	—	—
		65	2.5591	68	2.6772	0.3	0.0118	7	0.2756	1.5	0.0591	6810	F6810	6810ZZ	F6810ZZ
		72	2.8346	75	2.9528	0.6	0.0236	12	0.4724	2.5	0.0984	6910	F6910	6910ZZ	F6910ZZ
55	2.1654	72	2.8346	—	—	0.3	0.0118	9	0.3543	—	—	6811	—	6811ZZ	—
		80	3.1496	—	—	1.0	0.0394	13	0.5118	—	—	6911	—	6911ZZ	—
60	2.3622	78	3.0709	—	—	0.3	0.0118	10	0.3937	—	—	6812	—	6812ZZ	—
		85	3.3465	—	—	1.0	0.0394	13	0.5118	—	—	6912	—	6912ZZ	—
65	2.5591	85	3.3465	—	—	0.6	0.0236	10	0.3937	—	—	6813	—	6813ZZ	—
		90	3.5433	—	—	1.0	0.0394	13	0.5118	—	—	6913	—	6913ZZ	—
70	2.7559	90	3.5433	—	—	0.6	0.0236	10	0.3937	—	—	6814	—	6814ZZ	—
		100	3.9370	—	—	1.0	0.0394	16	0.6299	—	—	6914	—	6914ZZ	—
75	2.9528	95	3.7402	—	—	0.6	0.0236	10	0.3937	—	—	6815	—	6815ZZ	—
		105	4.1339	—	—	1.0	0.0394	16	0.6299	—	—	6915	—	6915ZZ	—
80	3.1496	100	3.9370	—	—	0.6	0.0236	10	0.3937	—	—	6816	—	6816ZZ	—
		110	4.3307	—	—	1.0	0.0394	16	0.6299	—	—	6916	—	6916ZZ	—
85	3.3465	110	4.3307	—	—	1.0	0.0394	13	0.5118	—	—	6817	—	6817ZZ	—
		120	4.7244	—	—	1.1	0.0433	18	0.7087	—	—	6917	—	6917ZZ	—
90	3.5433	115	4.5276	—	—	1.0	0.0394	13	0.5118	—	—	6818	—	6818ZZ	—
		125	4.9213	—	—	1.1	0.0433	18	0.7087	—	—	6918	—	6918ZZ	—

1) Bearings also available with single shield or seal : suffix Z, RS, RU or TS

2) Bearings also available with stainless material : suffix H

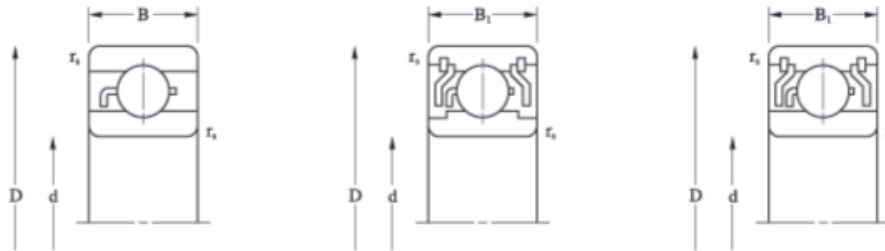
3) SUJ2 bearings use RJ type retainer, stainless bearings use J type retainer.

Extra thin metric series: 6700, 6800, 6900



Seal			Load Rating		Max. Speed		Cage Type	Ball Complement			Weight (Ref.)	
			Cr(N)	Cor(N)	Grease	Oil		Qty.:Z	Size:Dw		Shield	Flange Shield
2RS	2RU	TTS			x1000rpm			pcs.	mm	inch	g	
2RS	—	—	1866	1635	4.9	6	W	26	2.000	0.0787	15.0	—
2RS	2RU	—	4729	3821	13	16	J,RJ ³⁾	19	3.500	0.1378	32.0	34.7
2RS	2RU	—	10900	7818	12	14	RJ	14	5.953	0.2344	87.0	92.2
2RS	—	—	2516	2233	4.3	5	W	25	2.381	0.0937	23.0	—
2RS	2RU	—	4923	4178	12	14	J	21	3.500	0.1378	35.0	38.0
2RS	2RU	—	13678	9968	11	13	RJ	14	6.747	0.2656	131	137
2RS	—	—	2580	2397	3.9	4.6	W	27	2.381	0.0937	25.0	—
2RS	2RU	—	6187	5381	11.0	13.0	J	21	3.969	0.1563	42.0	45.3
2RS	2RU	—	14100	10830	9.7	11.0	RJ	15	6.747	0.2656	147	153
2RS	—	—	2670	2640	3.5	4.1	W	30	2.381	0.0937	64.0	—
2RS	2RU	—	6610	6090	9.6	11.0	J,RJ ³⁾	24	3.969	0.1563	52.0	—
2RS	2RU	—	14540	11710	9.0	11.0	RJ	16	6.747	0.2656	133	—
2RS	2RU	—	8800	8100	8.7	10.0	RJ	22	4.762	0.1875	83.0	—
2RS	—	—	16600	14100	8.1	9.6	RJ	17	7.144	0.2813	185	—
2RS	—	—	11500	10600	8.0	9.4	RJ	21	5.556	0.2187	104	—
2RS	—	—	20200	17300	7.5	8.9	RJ	17	7.938	0.3125	192	—
2RS	—	—	11900	11500	7.3	8.6	RJ	23	5.556	0.2187	126	—
2RS	—	—	17400	16100	7.1	8.4	RJ	19	7.144	0.2813	211	—
2RS	—	—	12100	11900	6.8	8.1	RJ	24	5.556	0.2187	134	—
2RS	—	—	23700	21200	6.4	7.6	RJ	17	8.731	0.3437	342	—
2RS	—	—	12500	12900	12.5	12.9	RJ	26	5.556	0.2187	142	—
2RS	—	—	24400	22600	6.1	7.2	RJ	18	8.731	0.3437	363	—
2RS	2RU	—	12700	13300	12.7	13.3	RJ	27	5.556	0.2187	150	—
2RS	—	—	25000	24000	5.7	6.8	RJ	19	8.731	0.3437	382	—
2RS	—	—	18700	19000	5.6	6.6	RJ	23	7.144	0.2813	266	—
2RS	—	—	31900	29600	5.3	6.3	RJ	17	10.319	0.4063	535	—
2RS	—	—	19000	19700	5.3	6.3	RJ	24	7.144	0.2813	279	—
2RS	—	—	32800	31600	5.1	6.0	RJ	18	10.319	0.4063	565	—

Extra thin metric series : ET



ET series

Bore Diameter: d		Outer Diameter: D		Open Type Width: B		Seal·Shield Type Width: B ₁		Radius : r _s (min)		Bearing References			Load Rating		Max. Speed		Cage Type	Ball Complement			Weight(Ref.)	
										Open	Shield	Seal	Cr (N)	Cor (N)	Grease	Oil		Qty.: Z	Size: Dw		Shield	Flange Shield
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch								pcs.	mm	inch	g		
15	0.5906	20	0.7874	3.5	0.1378	—	—	0.15	0.0059	ET2015	—	—	942	582	22	26	W	14	1.588	0.0625	2.10	—
		21	0.8268	3.5	0.1378	—	—	0.15	0.0059	ET2115	—	—	939	581	22	26	W	14	1.588	0.0625	2.43	—
16	0.6299	22	0.8661	4.0	0.1575	—	—	0.15	0.0059	ET2216	—	—	968	619	20	24	W	15	1.588	0.0625	3.04	—
		23	0.9055	4.5	0.1772	4.5	0.1772	0.15	0.0059	ET2316	ZZS	TTS	968	619	20	24	W	15	1.588	0.0625	4.03	5.48
18	0.7087	24	0.9445	4.0	0.1575	—	—	0.15	0.0059	ET2418	—	—	988	654	18	21	W	16	1.588	0.0625	4.25	—
20	0.7874	25	0.9843	4.0	0.1575	4.0	0.1575	0.15	0.0059	ET2520	ZZS	TTS	1011	691	17	20	W	17	1.588	0.0625	3.55	4.12