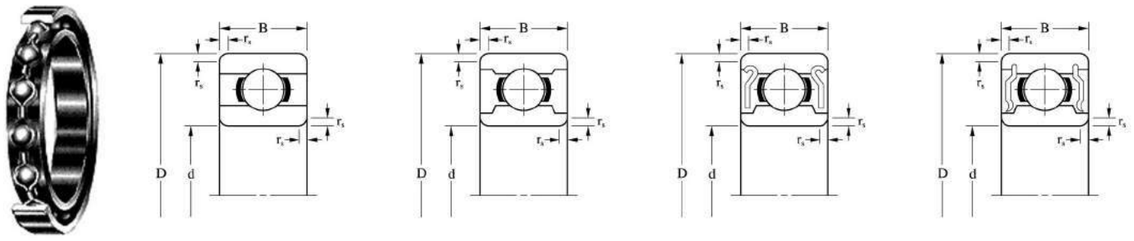
Extra thin metric series : 6700, 6800, 6900 (35≦d≦95mm)



Bore Diameter: d		Outer Diameter: D		Chamfer r's(min)		Width: B Open		Bearing Reference			
								Open	2 Shields	2 Seals	
mm	inch	mm	inch	mm	inch	mm	inch			2RS	2RU
35	1.3780	44	1.7323	0.3	0.0118	5	0.1969	6707(1)	–	2RS	–
		47	1.8504	0.3	0.0118	7	0.2756	6807(1)	6807ZZ	2RS	2RU
		55	2.1654	0.6	0.0236	10	0.3937	6907(1)	6907ZZ	2RS	2RU
40	1.5748	50	1.9685	0.3	0.0118	6	0.2362	6708(1)	–	2RS	–
		52	2.0472	0.3	0.0118	7	0.2756	6808(1)	6808ZZ	2RS	2RU
		62	2.4409	0.6	0.0236	12	0.4724	6908(1)	6908ZZ	2RS	2RU
45	1.7717	55	2.1654	0.3	0.0118	6	0.2362	6709(1)	–	2RS	–
		58	2.2835	0.3	0.0118	7	0.2756	6809(1)	6809ZZ	2RS	2RU
		68	2.6772	0.6	0.0236	12	0.4724	6909(1)	6909ZZ	2RS	2RU
50	1.9685	62	2.4409	0.3	0.0118	6	0.2362	6710(1)	–	2RS	–
		65	2.5591	0.3	0.0118	7	0.2756	6810(1)	6810ZZ	2RS	2RU
		72	2.8346	0.6	0.0236	12	0.4724	6910(1)	6910ZZ	2RS	2RU
55	2.1654	72	2.8346	0.3	0.0118	9	0.3543	6811(1)	6811ZZ	2RS	2RU
		80	3.1496	1.0	0.0394	13	0.5118	6911(1)	6911ZZ	2RS	2RU
60	2.3622	78	3.0709	0.3	0.0118	10	0.3937	6812(1)	6812ZZ	2RS	2RU
		85	3.3465	1.0	0.0394	13	0.5118	6912(1)	6912ZZ	2RS	2RU
65	2.5591	85	3.3465	0.6	0.0236	10	0.3937	6813(1)	6813ZZ	2RS	–
		90	3.5433	1.0	0.0394	13	0.5118	6913(1)	6913ZZ	2RS	–
70	2.7559	90	3.5433	0.6	0.0236	10	0.3937	6814(1)	6814ZZ	2RS	2RU
		100	3.9370	1.0	0.0394	16	0.6299	6914(1)	6914ZZ	2RS	–
75	2.9528	95	3.7402	0.6	0.0236	10	0.3937	6815(1)	6815ZZ	2RS	–
		105	4.1339	1.0	0.0394	16	0.6299	6915(1)	6915ZZ	2RS	–
80	3.1496	100	3.9370	0.6	0.0236	10	0.3937	6816(1)	6816ZZ	2RS	2RU
		110	4.3307	1.0	0.0394	16	0.6299	6916(1)	6916ZZ	2RS	–
85	3.3465	110	4.3307	1.0	0.0394	13	0.5118	6817(1)	6817ZZ	2RS	–
		120	4.7244	1.1	0.0433	18	0.7087	6917(1)	6917ZZ	2RS	–
90	3.5433	115	4.5276	1.0	0.0394	13	0.5118	6818(1)	6818ZZ	2RS	–
		125	4.9213	1.1	0.0433	18	0.7087	6918(1)	–	2RS	–
95	3.7402	120	4.7244	1.0	0.0394	13	0.5118	6819(1)	–	–	2RU

Load Rating		Max. Speed		Cage Type	Ball Complement			Weight(Ref.)
Cr(N)	Cor(N)	Grease	Oil		Qty.:Z	Size:Dw		2 Shields
(N)		x1000min⁻¹			pcs.	mm	inch	g
1 860	1 630	4.9	6.0	W	26	2.000	0.0787	15.0
4 740	3 820	13	16	J,RJ(4)	19	3.500	0.1378	28.2
10 900	7 750	12	14	RJ	14	5.953	0.2344	73.3
2 510	2 230	4.3	5.0	W	25	2.381	0.0937	23.3
4 930	4 180	12	14	RJ	21	3.500	0.1378	30.3
13 700	9 920	11	13	RJ	14	6.747	0.2656	108
2 570	2 400	3.9	4.6	W	27	2.381	0.0937	25.6
6 210	5 380	11	13	RJ	21	3.969	0.1563	35.8
14 100	10 900	10	11	RJ	15	6.747	0.2656	130
2 670	2 650	3.5	4.1	W	30	2.381	0.0937	36.6
6 170	5 760	9.5	11	RJ	23	3.969	0.1563	49.5
14 500	11 700	9.0	11	RJ	16	6.747	0.2656	131
8 800	8 080	8.6	10	RJ	22	4.762	0.1875	78.3
16 600	14 100	8.1	9.6	RJ	17	7.144	0.2813	177
11 500	10 600	7.9	9.4	RJ	21	5.556	0.2187	99.4
20 200	17 300	7.5	8.9	RJ	17	7.938	0.3125	186
11 900	11 500	7.3	8.6	RJ	23	5.556	0.2187	125
17 300	16 000	7.0	8.3	RJ	19	7.144	0.2813	208
11 600	11 800	6.8	8.1	RJ	24	5.556	0.2187	134
23 700	21 100	6.4	7.6	RJ	17	8.731	0.3437	342
12 300	12 800	6.4	7.6	RJ	26	5.556	0.2187	142
24 000	22 600	6.0	7.1	RJ	18	8.731	0.3437	363
12 600	13 300	6.0	7.1	RJ	27	5.556	0.2187	150
24 800	23 900	5.7	6.7	RJ	19	8.731	0.3437	382
18 700	19 000	5.6	6.6	RJ	23	7.144	0.2813	266
31 900	29 600	5.3	6.2	RJ	17	10.319	0.4063	535
18 300	19 500	5.3	6.2	RJ	24	7.144	0.2813	279
32 400	31 600	5.0	5.9	RJ	18	10.319	0.4063	565
18 800	20 300	5.0	5.9	RJ	25	7.144	0.2813	285

(1) Open type bearings have shield/seal grooves.
(2) Single shield or single seal types are also available; suffix Z, RS or RU.
(3) 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) SUJ2 bearings use RJ type retainers, but stainless bearings use J type retainers.
(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.