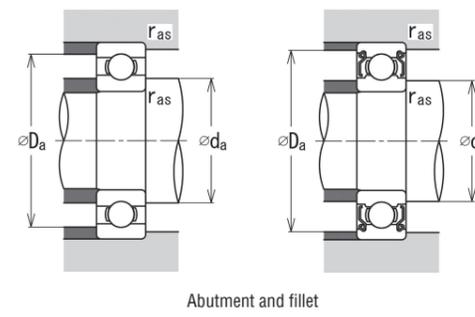
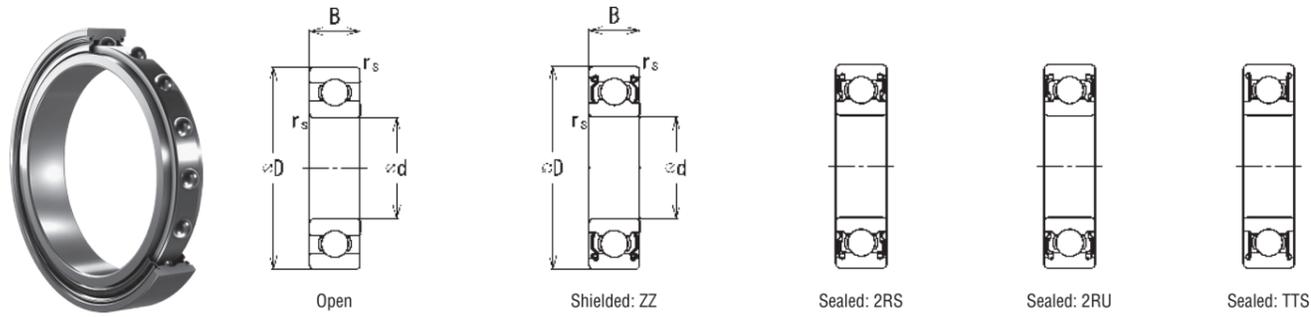


Extra-thin-section bearings [SUJ2]



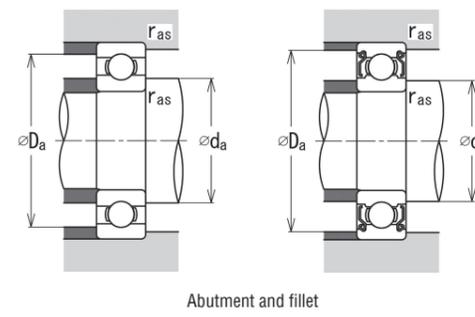
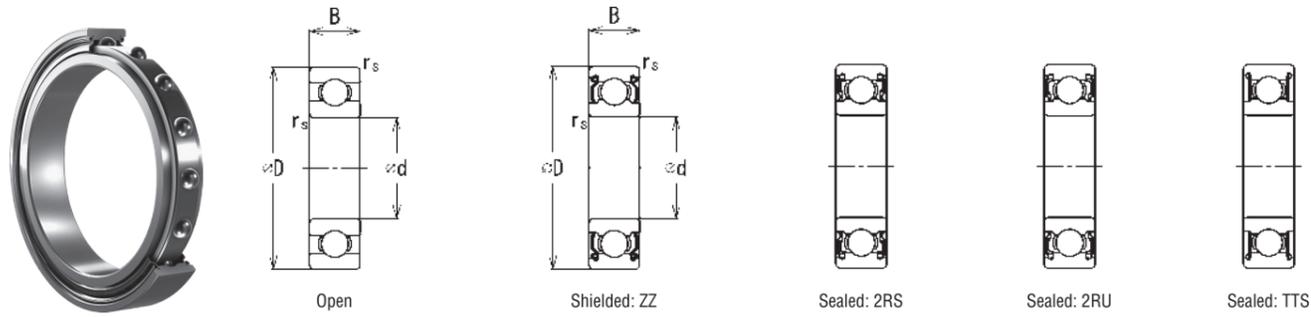
Dimension

Bore diameter d		Outer diameter D		Width B		Chamfer r _s (min)		Bearing number					Load rating		Limiting speed ⁽³⁾		Cage type ⁽⁴⁾		
mm	inch	mm	inch	mm	inch	mm	inch	Open	2 Shields ⁽²⁾	2 Seals ⁽²⁾			Cr	Cor	Grease	Oil			
										2RS	2RU	TTS	N						
10	0.3937	15	0.5906	3	0.1181	0.15	0.0059	6700	—	—	—	—	—	857	435	15 000	17 000	W	
			0.5906	4	0.1575	0.15	0.0059	—	6700ZZ	2RS	—	—	—	—	857	435	15 000	17 000	W
		19	0.7480	5	0.1969	0.30	0.0118	6800 ⁽¹⁾	6800ZZ	2RS	2RU	—	—	—	1 720	840	34 000	40 000	J
			0.7480	7	0.2756	0.30	0.0118	63800 ⁽¹⁾	63800ZZ	2RS	2RU	—	—	—	1 720	840	34 000	40 000	J
12	0.4724	18	0.7087	4	0.1575	0.20	0.0079	6701 ⁽¹⁾	6701ZZ	2RS	—	—	—	928	532	13 000	15 000	W	
			0.8268	5	0.1969	0.30	0.0118	6801 ⁽¹⁾	6801ZZ	2RS	2RU	—	—	—	1 920	1 040	30 000	36 000	J
		21	0.8268	7	0.2756	0.30	0.0118	63801 ⁽¹⁾	63801ZZ	2RS	2RU	—	—	—	1 920	1 040	30 000	36 000	J
			0.9449	6	0.2362	0.30	0.0118	6901 ⁽¹⁾	6901ZZ	2RS	2RU	—	—	—	2 890	1 460	28 000	33 000	J
15	0.5906	21	0.8268	4	0.1575	0.20	0.0079	6702 ⁽¹⁾	6702ZZ	2RS	—	—	—	937	581	11 000	13 000	W	
			0.9449	5	0.1969	0.30	0.0118	6802 ⁽¹⁾	6802ZZ	2RS	2RU	—	—	—	2 070	1 260	26 000	31 000	J
		24	0.9449	7	0.2756	0.30	0.0118	63802 ⁽¹⁾	63802ZZ	2RS	2RU	—	—	—	2 070	1 260	26 000	31 000	J
			1.1024	7	0.2756	0.30	0.0118	6902 ⁽¹⁾	6902ZZ	2RS	2RU	—	—	—	4 330	2 250	24 000	29 000	J
17	0.6693	23	0.9055	4	0.1575	0.20	0.0079	6703 ⁽¹⁾	6703ZZ	2RS	—	—	—	999	657	9 500	11 000	W	
			1.0236	5	0.1969	0.30	0.0118	6803 ⁽¹⁾	6803ZZ	2RS	2RU	—	—	—	2 230	1 460	24 000	29 000	J
		26	1.0236	7	0.2756	0.30	0.0118	63803 ⁽¹⁾	63803ZZ	2RS	2RU	—	—	—	2 230	1 460	24 000	29 000	J
			1.1811	7	0.2756	0.30	0.0118	6903 ⁽¹⁾	6903ZZ	2RS	2RU	—	—	—	4 590	2 560	22 000	26 000	J
20	0.7874	27	1.0630	4	0.1575	0.20	0.0079	6704 ⁽¹⁾	6704ZZ	2RS	—	—	—	1 040	729	8 500	10 000	W	
			1.2598	7	0.2756	0.30	0.0118	6804 ⁽¹⁾	6804ZZ	2RS	2RU	—	—	—	4 020	2 460	21 000	25 000	RJ
		32	1.2598	10	0.3937	0.30	0.0118	63804 ⁽¹⁾	63804ZZ	2RS	2RU	—	—	—	4 020	2 460	21 000	25 000	RJ
			1.4567	9	0.3543	0.30	0.0118	6904 ⁽¹⁾	6904ZZ	2RS	2RU	—	—	—	6 380	3 680	19 000	22 000	RJ
25	0.9843	32	1.2598	4	0.1575	0.20	0.0079	6705 ⁽¹⁾	6705ZZ	2RS	2RU	—	—	1 100	838	7 000	8 000	W	
			1.4567	7	0.2756	0.30	0.0118	6805 ⁽¹⁾	6805ZZ	2RS	2RU	—	—	—	4 300	2 940	18 000	21 000	RJ
		37	1.4567	10	0.3937	0.30	0.0118	63805 ⁽¹⁾	63805ZZ	2RS	2RU	—	—	—	4 300	2 940	18 000	21 000	RJ
			1.6535	9	0.3543	0.30	0.0118	6905 ⁽¹⁾	6905ZZ	2RS	2RU	—	—	—	7 010	4 550	16 000	19 000	RJ
30	1.1811	37	1.4567	4	0.1575	0.20	0.0079	6706 ⁽¹⁾	6706ZZ	2RS	2RU	—	—	1 140	947	5 500	7 000	W	
			1.6535	7	0.2756	0.30	0.0118	6806 ⁽¹⁾	6806ZZ	2RS	2RU	—	—	—	4 540	3 420	15 000	18 000	RJ
		47	1.8504	9	0.3543	0.30	0.0118	6906 ⁽¹⁾	6906ZZ	2RS	2RU	—	—	—	7 240	5 010	14 000	17 000	RJ
			1.3780	44	1.7323	5	0.1969	0.30	0.0118	6707 ⁽¹⁾	—	2RS	—	—	1 860	1 630	4 900	6 000	W
35	1.3780	47	1.8504	7	0.2756	0.30	0.0118	6807 ⁽¹⁾	6807ZZ	2RS	2RU	—	—	4 740	3 820	13 000	16 000	RJ	
			2.1654	10	0.3937	0.60	0.0236	6907 ⁽¹⁾	6907ZZ	2RS	2RU	—	—	—	10 900	7 750	12 000	14 000	RJ
		55	1.9685	6	0.2362	0.30	0.0118	6708 ⁽¹⁾	—	2RS	—	—	—	2 510	2 230	4 300	5 000	W	
			2.0472	7	0.2756	0.30	0.0118	6808 ⁽¹⁾	6808ZZ	2RS	2RU	—	—	—	4 930	4 180	12 000	14 000	RJ
40	1.5748	62	2.4409	12	0.4724	0.60	0.0236	6908 ⁽¹⁾	6908ZZ	2RS	2RU	—	—	—	13 700	9 920	11 000	13 000	RJ
			2.1654	6	0.2362	0.30	0.0118	6709 ⁽¹⁾	—	2RS	2RU	—	—	—	2 570	2 400	3 900	4 600	W
		58	2.2835	7	0.2756	0.30	0.0118	6809 ⁽¹⁾	6809ZZ	2RS	2RU	—	—	—	6 210	5 380	11 000	13 000	RJ
			2.6772	12	0.4724	0.60	0.0236	6909 ⁽¹⁾	6909ZZ	2RS	2RU	—	—	—	14 100	10 900	9 700	11 000	RJ
50	1.9685	62	2.4409	6	0.2362	0.30	0.0118	6710 ⁽¹⁾	—	2RS	—	—	—	2 670	2 650	3 500	4 100	W	
			2.5591	7	0.2756	0.30	0.0118	6810 ⁽¹⁾	6810ZZ	2RS	2RU	—	—	—	6 400	5 830	9 500	11 000	RJ

Ball		Abutment and fillet dimensions					Mass (Ref.)	
Size	Qty.	d _a (min)	d _a (max)	D _a (min)	D _a (max)	r _{as} (max)	Open	2 Shields
mm	pcs.	mm					g	
1.588	11	11.00	11.00	14.00	14.50	0.15	1.34	—
1.588	11	11.00	11.00	14.50	14.50	0.15	—	1.76
2.381	10	11.50	11.50	17.50	17.50	0.30	4.81	5.10
2.381	10	11.50	11.50	17.50	17.50	0.30	6.75	7.04
3.175	9	12.00	13.00	19.50	20.00	0.30	8.80	9.39
1.588	13	13.50	13.50	17.00	17.00	0.20	2.65	2.83
2.381	12	13.50	13.50	19.50	19.50	0.30	5.36	5.70
2.381	12	13.50	13.50	19.50	19.50	0.30	7.59	7.93
3.175	10	14.00	15.00	21.50	22.00	0.30	9.96	10.8
1.588	14	16.50	16.50	20.00	20.00	0.20	3.17	3.37
2.381	14	16.50	16.50	22.50	22.50	0.30	6.28	6.69
2.381	14	16.50	16.50	22.50	22.50	0.30	8.92	9.33
3.969	10	17.00	18.50	25.50	26.00	0.30	14.9	16.0
1.588	16	18.50	18.50	22.00	22.00	0.20	3.53	3.75
2.381	16	18.50	18.50	24.50	24.50	0.30	7.10	7.54
2.381	16	18.50	18.50	24.50	24.50	0.30	9.98	10.4
3.969	11	19.00	20.50	28.00	28.50	0.30	15.6	16.7
1.588	18	21.50	22.00	26.00	26.00	0.20	5.10	5.40
3.500	13	22.00	22.50	30.00	30.50	0.30	15.7	17.1
3.500	13	22.00	22.50	30.00	30.50	0.30	22.4	23.8
4.762	11	22.00	23.50	34.00	35.00	0.30	33.0	35.1
1.588	21	26.50	27.00	31.00	31.00	0.20	6.16	6.53
3.500	15	27.00	28.00	34.50	35.00	0.30	19.6	20.8
3.500	15	27.00	28.00	34.50	35.00	0.30	27.6	28.8
4.762	13	27.00	30.50	39.50	40.00	0.30	39.2	42.0
1.588	24	31.50	32.00	36.00	36.00	0.20	7.34	7.78
3.500	17	32.00	33.00	39.50	40.00	0.30	22.6	23.8
4.762	14	32.00	35.00	44.50	45.00	0.30	43.9	47.9
2.000	26	37.00	37.50	42.50	42.50	0.30	13.7	15.1
3.500	19	37.00	38.00	44.00	45.00	0.30	26.9	28.2
5.953	14	39.00	42.00	52.50	52.50	0.60	69.2	73.3
2.381	25	42.00	43.00	48.00	48.50	0.30	20.9	23.1
3.500	21	42.00	43.00	49.00	50.00	0.30	28.9	30.3
6.747	14	44.00	46.50	58.00	59.50	0.60	101	108
2.381	27	47.00	48.00	53.50	53.50	0.30	22.7	25.3
3.969	21	47.00	48.00	55.00	56.00	0.30	34.3	36.1
6.747	15	49.00	52.00	63.50	64.00	0.60	123	130
2.381	30	52.00	54.00	59.50	60.00	0.30	33.8	36.7
3.969	23	52.00	54.50	62.00	63.00	0.30	47.4	49.5

(1) Open bearings have shield/seal grooves.
 (2) Single-shielded/single-sealed bearings are also available; suffix Z, RS, RU or TS.
 (3) Applicable only for open, single Z, ZZ, single RU and 2RU types in inner ring rotating conditions.
 Limiting speeds for the contact rubber seal(s) types can be lower than the above-mentioned values, so please check the detailed values per item on "products" section of our website.
 (4) Some items are also available with the TW cage. Please contact us for details.

Extra-thin-section bearings [SUJ2]



Dimension

Extra-thin-section bearings [SUJ2]

Bore diameter d		Outer diameter D		Width B		Chamfer r _s (min)		Bearing number				Load rating		Limiting speed ⁽³⁾		Cage type ⁽⁴⁾	
mm	inch	mm	inch	mm	inch	mm	inch	Open	2 Shields ⁽²⁾	2RS	2RU	TTS	Cr	Cor	Grease		Oil
								N				min ⁻¹					
50	1.9685	72	2.8346	12	0.4724	0.60	0.0236	6910 ⁽¹⁾	6910ZZ	2RS	2RU	—	14 500	11 700	9 000	11 000	RJ
55	2.1654	72	2.8346	9	0.3543	0.30	0.0118	6811 ⁽¹⁾	6811ZZ	2RS	2RU	—	8 800	8 080	8 600	10 000	RJ
		80	3.1496	13	0.5118	1.00	0.0394	6911 ⁽¹⁾	6911ZZ	2RS	2RU	—	16 600	14 100	8 100	9 600	RJ
60	2.3622	78	3.0709	10	0.3937	0.30	0.0118	6812 ⁽¹⁾	6812ZZ	2RS	2RU	—	11 500	10 600	7 900	9 400	RJ
		85	3.3465	13	0.5118	1.00	0.0394	6912 ⁽¹⁾	6912ZZ	2RS	2RU	—	20 200	17 300	7 500	8 900	RJ
65	2.5591	85	3.3465	10	0.3937	0.60	0.0236	6813 ⁽¹⁾	6813ZZ	2RS	—	—	11 900	11 500	7 300	8 600	RJ
		90	3.5433	13	0.5118	1.00	0.0394	6913 ⁽¹⁾	6913ZZ	2RS	—	—	17 300	16 000	7 000	8 300	RJ
70	2.7559	90	3.5433	10	0.3937	0.60	0.0236	6814 ⁽¹⁾	6814ZZ	2RS	2RU	—	11 600	11 800	6 800	8 100	RJ
		100	3.9370	16	0.6299	1.00	0.0394	6914 ⁽¹⁾	6914ZZ	2RS	—	—	23 700	21 100	6 400	7 600	RJ
75	2.9528	95	3.7402	10	0.3937	0.60	0.0236	6815 ⁽¹⁾	6815ZZ	2RS	—	—	12 300	12 800	6 400	7 600	RJ
		105	4.1339	16	0.6299	1.00	0.0394	6915 ⁽¹⁾	6915ZZ	2RS	—	—	24 000	22 600	6 000	7 100	RJ
80	3.1496	100	3.9370	10	0.3937	0.60	0.0236	6816 ⁽¹⁾	6816ZZ	2RS	2RU	—	12 600	13 300	6 000	7 100	RJ
		110	4.3307	16	0.6299	1.00	0.0394	6916 ⁽¹⁾	6916ZZ	2RS	—	—	24 800	23 900	5 700	6 700	RJ
85	3.3465	110	4.3307	13	0.5118	1.00	0.0394	6817 ⁽¹⁾	6817ZZ	2RS	—	—	18 700	19 000	5 600	6 600	RJ
		120	4.7244	18	0.7087	1.10	0.0433	6917 ⁽¹⁾	6917ZZ	2RS	—	—	31 900	29 600	5 300	6 200	RJ
90	3.5433	115	4.5276	13	0.5118	1.00	0.0394	6818 ⁽¹⁾	6818ZZ	2RS	—	—	18 300	19 500	5 300	6 200	RJ
		125	4.9213	18	0.7087	1.10	0.0433	6918 ⁽¹⁾	—	2RS	—	—	32 400	31 600	5 000	5 900	RJ
95	3.7402	120	4.7244	13	0.5118	1.00	0.0394	6819 ⁽¹⁾	—	—	2RU	—	18 800	20 300	5 000	5 900	RJ

Ball		Abutment and fillet dimensions					Mass (Ref.)	
Size	Qty.	d _a (min)	d _a (max)	D _a (min)	D _a (max)	r _{as} (max)	Open	2 Shields
mm	pcs.	mm					g	
6.747	16	54.00	56.50	68.00	68.50	0.60	123	131
4.762	22	57.00	60.00	69.00	70.00	0.30	74.7	78.3
7.144	17	60.00	62.50	75.50	75.50	1.00	168	177
5.556	21	62.00	65.00	75.00	76.00	0.30	93.9	99.4
7.938	17	65.00	67.50	80.50	80.50	1.00	180	186
5.556	23	69.00	71.00	81.00	81.50	0.60	118	125
7.144	19	70.00	72.50	85.00	85.00	1.00	198	208
5.556	24	74.00	76.00	86.00	86.50	0.60	127	135
8.731	17	75.00	79.00	94.00	95.00	1.00	320	335
5.556	26	79.00	81.00	91.00	91.50	0.60	135	143
8.731	18	80.00	84.00	99.00	100.00	1.00	342	357
5.556	27	84.00	86.00	96.00	96.50	0.60	144	152
8.731	19	85.00	89.00	103.50	105.00	1.00	364	379
7.144	23	90.00	92.50	105.50	105.50	1.00	244	258
10.319	17	91.50	96.00	113.00	113.50	1.00	508	526
7.144	24	95.00	97.50	110.00	110.00	1.00	251	267
10.319	18	96.50	101.00	118.50	119.50	1.00	537	561
7.144	25	100.00	102.50	115.50	115.50	1.00	267	284

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