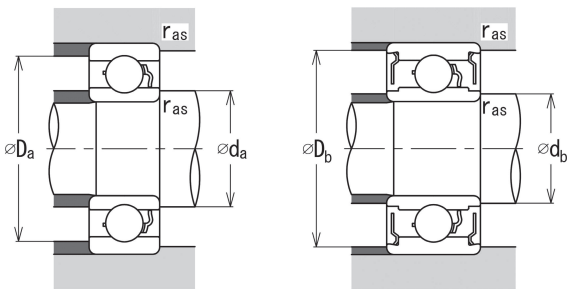
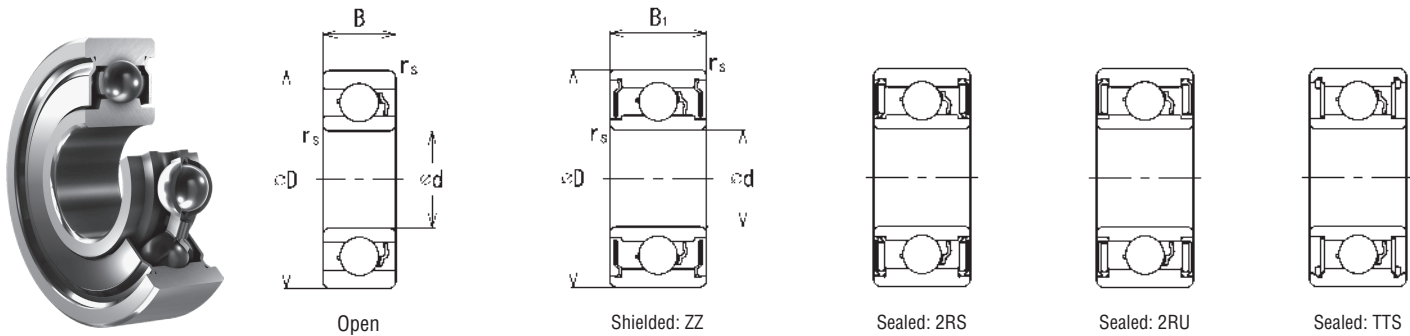


Inch-series bearings 【SUJ2】



Abutment and fillet

Bore diameter d		Outer diameter D		Width				Chamfer r _s (min)		Bearing number					Load rating		Limiting speed ⁽³⁾	
				Open B		Shielded, Sealed B ₁				Open	2 Shields ⁽²⁾	2 Seals ⁽²⁾			Cr	Cor	Grease	Oil
												2RS	2RU	TTS				
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch						N		min ⁻¹	
3.175	0.1250	6.350	0.2500	—	—	2.779	0.1094	0.10	0.0039	—	R144ZZ	—	—	—	284	95	77 000	91 000
		7.938	0.3125	—	—	3.571	0.1406	0.10	0.0039	—	R2-5ZZ	—	—	—	559	179	70 000	82 000
		9.525	0.3750	3.967	0.1562	3.967	0.1562	0.30	0.0118	R2⁽¹⁾	R2ZZ	2RS	—	—	633	218	66 000	78 000
		9.525	0.3750	—	—	3.967	0.1562	0.30	0.0118	—	—	—	2RU	—	641	226	63 000	75 000
		12.700	0.5000	4.366	0.1719	4.366	0.1719	0.30	0.0118	R2A⁽¹⁾	R2AZZ	—	—	—	641	226	63 000	75 000
3.967	0.1562	7.938	0.3125	—	—	3.175	0.1250	0.10	0.0039	—	R155ZZS	—	—	—	360	149	64 000	76 000
4.762	0.1875	7.938	0.3125	—	—	3.175	0.1250	0.10	0.0039	—	R156ZZS	—	—	TTS	360	149	64 000	76 000
		9.525	0.3750	3.175	0.1250	3.175	0.1250	0.10	0.0039	R166⁽¹⁾	R166ZZ	—	—	—	711	270	59 000	70 000
		9.525	0.3750	—	—	3.175	0.1250	0.10	0.0039	—	—	—	—	TTS	711	270	48 000	48 000
		12.700	0.5000	3.967	0.1562	4.978	0.1960	0.30	0.0118	R3	R3ZZ	2RS	—	—	1 300	485	51 000	60 000
		15.875	0.6250	4.978	0.1960	4.978	0.1960	0.30	0.0118	R3A⁽¹⁾	R3AZZ	—	—	—	1 480	617	42 000	50 000
6.350	0.2500	9.525	0.3750	3.175	0.1250	3.175	0.1250	0.10	0.0039	R168⁽¹⁾	R168ZZ	—	—	—	373	172	55 000	65 000
		12.700	0.5000	3.175	0.1250	4.762	0.1875	0.15	0.0059	R188	R188ZZ	—	—	—	1 080	438	48 000	56 000
		15.875	0.6250	4.978	0.1960	4.978	0.1960	0.30	0.0118	R4⁽¹⁾	R4ZZ	2RS	2RU	—	1 480	617	42 000	50 000
		19.050	0.7500	5.558	0.2188	7.142	0.2812	0.40	0.0157	R4A	R4AZZ	2RS	2RU	—	2 340	889	38 000	45 000
		9.525	0.3750	22.225	0.8750	5.558	0.2188	7.142	0.2812	0.40	0.0157	R6	R6ZZ	2RS	2RU	—	3 330	1 410
		22.225	0.8750	—	—	7.142	0.2812	0.40	0.0157	—	—	—	—	TTS	3 330	1 410	24 000	24 000
12.700	0.5000	22.225	0.8750	5.558	0.2188	7.142	0.2812	0.40	0.0157	R6-5	R6-5ZZS	—	—	—	1 920	1 040	30 000	36 000
		28.575	1.1250	6.350	0.2500	7.938	0.3125	0.40	0.0157	R8	R8ZZ	2RS	2RU	—	5 110	2 390	25 000	30 000
15.875	0.6250	34.925	1.3750	7.142	0.2812	8.733	0.3438	0.80	0.0315	R10	R10ZZ	—	—	—	6 000	3 270	20 000	24 000
		34.925	1.3750	—	—	8.733	0.3438	0.80	0.0315	—	—	2RS	2RU	—	6 790	3 330	21 000	25 000
19.050	0.7500	41.275	1.6250	7.938	0.3125	—	—	0.80	0.0315	R12	—	—	—	—	7 920	4 450	17 000	21 000
		41.275	1.6250	—	—	11.113	0.4375	0.80	0.0315	—	R12ZZ	2RS	—	—	9 380	5 060	17 000	20 000
22.225	0.8750	47.625	1.8750	9.525	0.3750	—	—	0.80	0.0315	R14	—	—	—	—	10 100	5 850	15 000	18 000

(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.

Cage type ⁽⁴⁾	Ball		Abutment and fillet dimensions								Mass (Ref.)		
			Open				Shielded, Sealed				r _{as} (max)	Open	2 Shields
	Size	Qty.	d _a (min)	d _a (max)	D _a (min)	D _a (max)	d _b (min)	d _b (max)	D _b (min)	D _b (max)			
	mm	pcs.	mm				mm				mm	g	
W	1.000	7	—	—	—	—	3.80	3.80	6.00	6.00	0.10	—	0.28
J	1.588	6	—	—	—	—	4.00	4.30	7.30	7.30	0.10	—	0.66
J	1.588	7	4.70	4.70	8.10	8.10	4.70	4.70	8.10	8.10	0.30	1.22	1.29
J	1.588	7	—	—	—	—	4.50	4.50	8.30	8.30	0.30	—	1.24
J	1.588	7	4.50	4.50	8.30	10.70	4.50	4.50	8.30	10.70	0.30	3.12	3.20
W	1.000	10	—	—	—	—	4.80	5.40	7.40	7.40	0.10	—	0.59
W	1.000	10	—	—	—	—	5.40	5.40	7.40	7.40	0.10	—	0.45
J	1.588	8	5.60	5.90	8.90	8.90	5.60	5.90	8.90	8.90	0.10	0.74	0.79
J	1.588	8	—	—	—	—	5.60	5.90	8.80	9.00	0.10	—	0.76
J	2.381	7	6.80	6.90	10.50	10.70	6.40	6.40	11.20	11.20	0.30	2.14	2.61
J	2.381	8	6.80	8.30	13.90	14.30	6.80	8.30	13.90	14.30	0.30	4.42	4.74
W	1.000	11	7.00	7.00	9.10	9.10	7.00	7.00	9.10	9.10	0.10	0.51	0.54
J	2.000	8	7.60	7.90	11.10	11.50	7.20	7.30	11.70	11.90	0.15	1.47	2.03
J	2.381	8	8.00	8.30	13.90	14.30	8.00	8.30	13.90	14.30	0.30	3.87	4.19
J	3.500	6	8.90	10.00	15.10	16.60	8.40	8.40	16.60	17.10	0.40	7.43	8.96
J	3.969	7	12.10	12.70	18.80	19.80	11.60	11.80	20.00	20.10	0.40	8.74	10.7
J	3.969	7	—	—	—	—	11.60	11.80	19.80	20.30	0.40	—	10.2
J	2.381	12	14.50	14.50	18.50	20.00	14.50	14.50	19.50	20.00	0.40	7.69	9.81
J	4.762	8	15.50	16.50	24.00	26.50	15.00	15.50	25.50	26.50	0.40	17.2	20.5
RJ	4.762	10	20.50	23.00	30.50	31.50	20.50	23.00	31.50	31.50	0.80	29.8	35.8
RJ	5.556	8	—	—	—	—	20.50	21.00	31.00	31.50	0.80	—	34.3
RJ	5.556	10	24.00	27.00	35.00	37.00	—	—	—	—	0.80	46.4	—
RJ	6.350	9	—	—	—	—	24.00	27.50	37.50	38.00	0.80	—	60.4
RJ	6.350	10	27.00	31.50	40.50	43.50	—	—	—	—	0.80	74.5	—