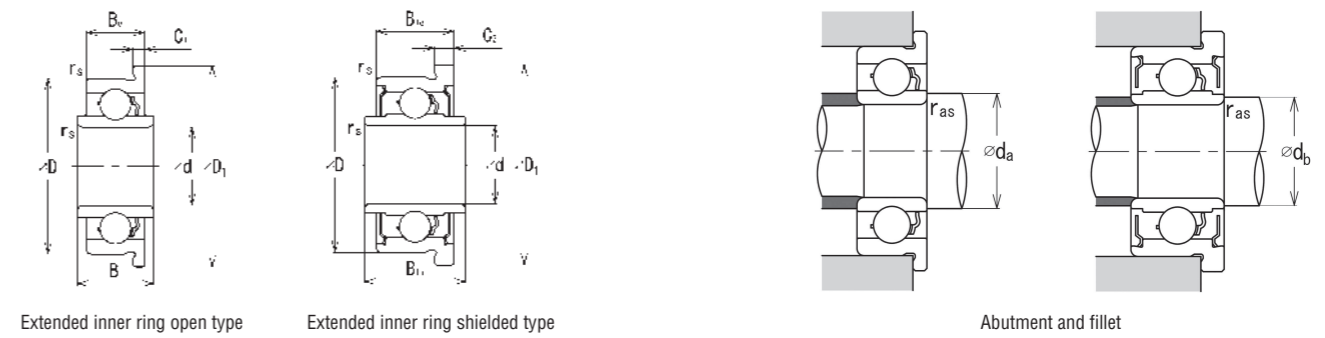
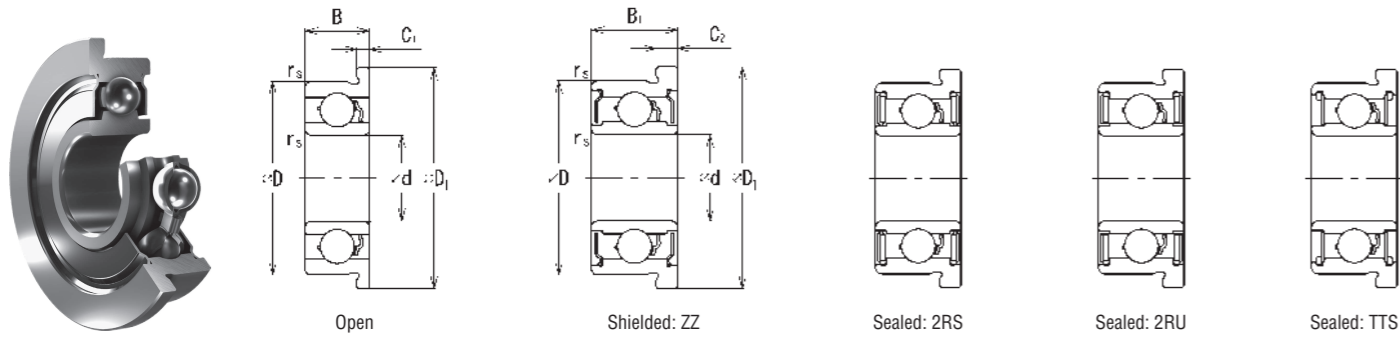


# Flanged inch-series bearings [Stainless-steel]



Dimension

Flanged inch-series bearings [Stainless-steel]

Bore diameter d	Outer diameter D	Inner ring width				Outer ring width				Flange outer diameter D <sub>1</sub>		Flange width				Chamfer r <sub>s</sub> (min)			
		Open B, B <sub>i</sub>		Shielded, Sealed B <sub>1</sub> , B <sub>1i</sub>		Open B, B <sub>e</sub>		Shielded, Sealed B <sub>1</sub> , B <sub>1e</sub>		Open C <sub>1</sub>		Shielded, Sealed C <sub>2</sub>		Open C <sub>1</sub>		Shielded, Sealed C <sub>2</sub>			
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
1.016	0.0400	3.175	0.1250	1.191	0.0469	—	—	1.191	0.0469	—	—	4.343	0.1710	0.330	0.0130	—	—	0.10	0.0039
1.191	0.0469	3.967	0.1562	1.588	0.0625	2.38	0.0937	1.588	0.0625	2.380	0.0937	5.156	0.203	0.330	0.0130	0.787	0.031	0.10	0.0039
1.397	0.0550	4.762	0.1875	1.984	0.0781	2.779	0.1094	1.984	0.0781	2.779	0.1094	5.944	0.2340	0.584	0.0230	0.787	0.0310	0.10	0.0039
1.984	0.0781	6.350	0.2500	2.380	0.0937	3.571	0.1406	2.380	0.0937	3.571	0.1406	7.518	0.2960	0.584	0.0230	0.787	0.0310	0.10	0.0039
2.380	0.0937	4.762	0.1875	1.588	0.0625	—	—	1.588	0.0625	—	—	5.944	0.2340	0.457	0.0180	—	—	0.10	0.0039
3.175	0.1250	7.938	0.3125	2.779	0.1094	3.571	0.1406	2.779	0.1094	3.571	0.1406	9.119	0.3590	0.584	0.0230	0.787	0.0310	0.15	0.0059
3.967	0.1562	7.938	0.3125	2.779	0.1094	3.175	0.1250	2.779	0.1094	3.175	0.1250	9.119	0.3590	0.584	0.0230	0.914	0.0360	0.10	0.0039
4.762	0.1875	7.938	0.3125	2.779	0.1094	3.175	0.1250	2.779	0.1094	3.175	0.1250	9.119	0.3590	0.584	0.0230	0.914	0.0360	0.10	0.0039
5.944	0.2340	9.525	0.3750	2.779	0.1094	3.571	0.1406	2.779	0.1094	3.571	0.1406	10.719	0.4220	0.584	0.0230	0.787	0.0310	0.15	0.0059
6.350	0.2500	9.525	0.3750	3.967	0.1562	3.967	0.1562	3.967	0.1562	3.967	0.1562	11.176	0.4400	0.762	0.0300	0.762	0.0300	0.30	0.0118
7.938	0.3125	9.525	0.3750	—	—	3.967	0.1562	—	—	3.967	0.1562	11.176	0.4400	—	—	0.762	0.0300	0.30	0.0118
9.525	0.3750	12.700	0.5000	4.978	0.1960	4.978	0.1960	4.978	0.1960	4.978	0.1960	14.351	0.5650	1.067	0.0420	1.067	0.0420	0.30	0.0118
12.700	0.5000	12.700	0.5000	5.771	0.2272	5.771	0.2272	5.771	0.2272	5.771	0.2272	14.351	0.5650	1.067	0.0420	1.067	0.0420	0.30	0.0118
15.875	0.6250	12.700	0.5000	3.175	0.1250	3.175	0.1250	3.175	0.1250	3.175	0.1250	10.719	0.4220	0.584	0.0230	0.914	0.0360	0.10	0.0039
15.875	0.6250	12.700	0.5000	—	—	3.967	0.1562	—	—	3.967	0.1562	10.719	0.4220	—	—	0.914	0.0360	0.10	0.0039
17.145	0.6712	12.700	0.5000	3.175	0.1250	3.175	0.1250	3.175	0.1250	3.175	0.1250	10.719	0.4220	—	—	0.914	0.0360	0.10	0.0039
17.145	0.6712	12.700	0.5000	—	—	3.967	0.1562	—	—	3.967	0.1562	10.719	0.4220	—	—	0.914	0.0360	0.10	0.0039
19.050	0.7500	12.700	0.5000	4.762	0.1875	4.762	0.1875	4.762	0.1875	4.762	0.1875	13.894	0.5470	0.787	0.0310	0.787	0.0310	0.15	0.0059
19.050	0.7500	12.700	0.5000	—	—	4.762	0.1875	—	—	4.762	0.1875	13.894	0.5470	0.787	0.0310	0.787	0.0310	0.15	0.0059
22.225	0.8750	22.225	0.8750	5.558	0.2188	5.558	0.2188	5.558	0.2188	5.558	0.2188	24.613	0.9690	1.575	0.0620	1.575	0.0620	0.40	0.0157
28.575	1.1250	28.575	1.1250	6.350	0.2500	6.350	0.2500	6.350	0.2500	6.350	0.2500	31.120	1.2252	1.575	0.0620	1.575	0.0620	0.40	0.0157

Bearing number	Load rating Cr	Load rating Cor	Limiting speed <sup>(3)</sup>		Cage type <sup>(4)</sup>	Ball		Abutment and fillet dimensions				Mass (Ref.)		
			Grease	Oil		Size	Qty.	Open		Shielded, Sealed		r <sub>as</sub> (max)	Open	
								d <sub>a</sub> (min)	d <sub>a</sub> (max)	d <sub>b</sub> (min)	d <sub>b</sub> (max)		Open	2 Shields
SFR09	90	22	115 000	136 000	W	0.635	6	1.50	1.50	—	—	0.10	0.05	—
SFR0	96	27	105 000	124 000	W	0.600	7	2.00	2.10	2.00	2.10	0.10	0.11	0.18
SFR1	197	53	97 000	115 000	W	1.000	6	2.00	2.20	2.00	2.20	0.10	0.19	0.26
SFR1-4	197	53	97 000	115 000	W	1.000	6	—	—	2.00	2.20	0.10	—	0.27
SFRW1-4	241	76	77 000	91 000	W	1.000	7	2.80	3.80	2.80	3.80	0.10	0.40	0.57
SFR133	161	48	90 000	106 000	W	0.800	7	2.90	2.90	—	—	0.10	0.13	—
SFRW133	161	48	90 000	106 000	W	0.800	7	2.90	2.90	—	—	0.10	0.14	—
SFR1-5	469	140	72 000	85 000	W	1.588	6	3.60	4.00	3.60	4.00	0.15	0.67	0.84
SFR144	241	76	77 000	91 000	W	1.000	7	3.80	3.80	3.80	3.80	0.10	0.31	0.35
SFRW144	241	76	77 000	91 000	W	1.000	7	3.80	3.80	3.80	3.80	0.10	0.33	0.38
SFR2-5	475	143	70 000	82 000	J	1.588	6	4.00	4.30	4.00	4.30	0.10	0.59	0.74
SFR2-6	545	181	63 000	75 000	J	1.588	7	4.40	5.10	4.00	4.50	0.15	1.02	1.24
SFR2 <sup>(1)</sup>	538	175	66 000	78 000	J	1.588	7	4.70	4.70	4.70	4.70	0.30	1.37	1.44
SFRW2 <sup>(1)</sup>	538	175	66 000	78 000	J	1.588	7	4.70	4.70	4.70	4.70	0.30	1.43	1.51
SFR155	306	119	64 000	76 000	W	1.000	10	4.80	5.40	4.80	5.40	0.10	0.58	0.69
SFR156	306	119	64 000	76 000	W	1.000	10	5.40	5.40	5.40	5.40	0.10	0.46	0.55
SFR188	920	350	48 000	56 000	J	2.000	8	7.60	7.90	7.20	7.30	0.15	1.57	2.21
SFRW188	920	350	48 000	56 000	J	2.000	8	7.60	7.90	7.20	7.30	0.15	1.68	2.29
SFR4 <sup>(1)</sup>	1 260	493	42 000	50 000	J	2.381	8	8.00	8.30	8.00	8.30	0.30	4.20	4.53
SFRW4 <sup>(1)</sup>	1 260	493	42 000	50 000	J	2.381	8	8.00	8.30	8.00	8.30	0.30	4.35	4.68
SFR1810 <sup>(1)</sup>	460	221	45 000	53 000	W	1.200	12	8.90	8.90	8.90	8.90	0.15	1.54	1.63
SFRW1810 <sup>(1)</sup>	460	221	45 000	53 000	W	1.200	12	8.90	8.90	8.90	8.90	0.15	1.62	1.70
SFR6	2 830	1 130	31 000	37 000	J	3.969	7	12.10	12.70	11.60	11.80	0.40	9.73	11.7
SFR8	4 350	1 910	25 000	30 000	J	4.762	8	15.50	16.50	15.00	15.50	0.40	18.5	21.6

(1) Open bearings have shield/seal grooves.  
 (2) Single-shielded/single-sealed bearings are also available; suffix Z, RS, RU or TS.  
 (shielded/sealed at flanged side unless otherwise requested)  
 (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.