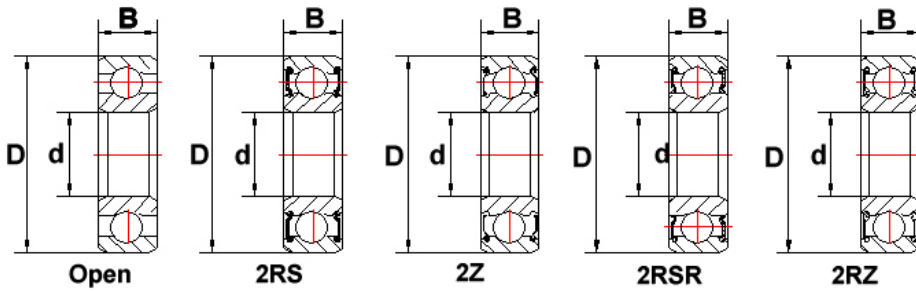


## Bearing

### Deep Groove Ball Bearings



#### 1. Prefix

S: Stainless steel (SUS 440C)

#### 2. Suffixes

Z: one side with shield;

2Z: Two shields;

RZ: Non-contact type rubber seal;

RS: Contact type rubber seal;

RSR: Inner ring has no seal or shield groove

Code	Dimensions (mm)			$r_s$ min	Mass (kg)	Load rating (kN)		Limiting $\text{min}^{-1}$
	d	D	B			Cr	Cor	
608	8	22	7	0.3	0.01	3.25	1.37	36000
608.2Z		22	7	0.3	0.011	3.25	1.37	30000
608.2RS		22	7	0.3	0.01	3.25	1.37	20000
609	9	24	7	0.3	0.015	3.65	1.63	36000
609.2Z		24	7	0.3	0.016	3.65	1.63	30000
609.2RSR		24	7	0.3	0.015	3.65	1.63	20000
629	9	26	8	0.3	0.02	4.55	1.96	34000
629.2Z		26	8	0.3	0.021	4.55	1.96	28000
629.2RSR		26	8	0.3	0.021	4.55	1.96	19000
6000	10	26	8	0.3	0.019	4.55	1.96	34000
S6000		26	8	0.3	0.019	4.55	1.96	34000
6000.2Z		26	8	0.3	0.02	4.55	1.96	28000
6000.2RSR		26	8	0.3	0.02	4.55	1.96	19000
S6000.2RSR		26	8	0.3	0.02	4.55	1.96	19000
16100		28	8	0.3	0.024	4.55	1.96	34000
6200	10	30	9	0.6	0.031	6	2.6	32000
S6200		30	9	0.6	0.031	6	2.6	32000
6200.2RZ		30	9	0.6	0.032	6	2.6	26000
6200.2RSR		30	9	0.6	0.032	6	2.6	17000
S6200.2RSR		30	9	0.6	0.034	6	2.6	17000
62200.2RSR		30	14	0.6	0.048	6	2.6	17000
6300	10	35	11	0.6	0.055	8.15	3.45	56000
S6300		35	11	0.6	0.056	8.15	3.45	56000
6300.2Z		35	11	0.6	0.057	8.15	3.45	22000
6300.2RSR		35	11	0.6	0.057	8.15	3.45	15000
S6300.2RSR		35	11	0.6	0.058	8.15	3.45	15000
6001		12	28	8	0.3	0.02	5.1	2.36
S6001	28		8	0.3	0.021	5.1	2.36	32000
6001.2Z	28		8	0.3	0.02	5.1	2.36	26000
6001.2RSR	28		8	0.3	0.022	5.1	2.36	18000
S6001.2RSR	28		8	0.3	0.023	5.1	2.36	18000
16101	30		8	0.3	0.026	5.1	2.36	32000
6201	32	10	0.6	0.037	6.95	3.1	30000	

## Bearing

S6201		32	10	0.6	0.038	6.95	3.1	30000
6201.2Z		32	10	0.6	0.039	6.95	3.1	24000
6201.2RSR		32	10	0.6	0.039	6.95	3.1	16000
S6201.2RSR		32	10	0.6	0.04	6.95	3.1	16000
62201.2RSR		32	14	0.6	0.052	6.95	3.1	16000
6301		37	12	1	0.062	9.65	4.15	53000
S6301		37	12	1	0.063	9.65	4.15	53000
6301.2Z		37	12	1	0.064	9.65	4.15	20000
6301.2RSR		37	12	1	0.064	9.65	4.15	13000
S6301.2RSR		37	12	1	0.065	9.65	4.15	13000
16002		32	8	0.3	0.027	5.6	2.85	30000
6002		32	8	0.3	0.031	5.6	2.85	30000
S6002		32	8	0.3	0.029	5.6	2.85	30000
6002.2Z		32	8	0.3	0.033	5.6	2.85	24000
6002.2RSR		32	8	0.3	0.033	5.6	2.85	16000
S6002.2RSR		32	8	0.3	0.031	5.6	2.85	16000
6202		35	11	0.6	0.043	7.8	3.75	26000
S6202		35	11	0.6	0.043	7.8	3.75	26000
6202.2Z	15	35	11	0.6	0.045	7.8	3.75	20000
6202.2RSR		35	11	0.6	0.045	7.8	3.75	14000
S6202.2RSR		35	11	0.6	0.045	7.8	3.75	14000
62202.2RSR		35	14	0.6	0.057	7.8	3.75	14000
6302		42	13	1	0.088	11.4	5.4	43000
S6302		42	13	1	0.088	11.4	5.4	43000
S6302.2Z		42	13	1	0.09	11.4	5.4	18000
6302.2RSR		42	13	1	0.09	11.4	5.4	12000
S6302.2RSR		42	13	1	0.09	11.4	5.4	12000
62302.2RSR		42	17	1	0.114	11.4	5.4	12000
16003	17	35	8	0.3	0.03	6	3.25	28000
6003		35	10	0.3	0.038	6	3.25	28000
S6003		35	10	0.3	0.038	6	3.25	28000
6003.2Z		35	10	0.3	0.04	6	3.25	22000
6003.2RSR		35	10	0.3	0.04	6	3.25	14000
S6003.2RSR		35	10	0.3	0.04	6	3.25	14000
6203		40	12	0.6	0.065	9.5	4.75	22000
S6203		40	12	0.6	0.065	9.5	4.75	22000
6203.2Z		40	12	0.6	0.067	9.5	4.75	18000
6203.2RSR		40	12	0.6	0.067	9.5	4.75	12000
S6203.2RSR		40	12	0.6	0.067	9.5	4.75	12000
62203.2RSR		40	17	0.6	0.087	9.5	4.75	12000
6303		47	14	1	0.114	13.4	6.55	19000
S6303		47	14	1	0.111	13.4	6.55	19000
6303.2Z		47	14	1	0.117	13.4	6.55	16000
6303.2RSR		47	14	1	0.118	13.4	6.55	11000
S6303.2RSR		47	14	1	0.115	13.4	6.55	11000

## Bearing

6203.2RSR		47	19	1	0.154	13.4	6.55	11000
6403		62	17	1.1	0.269	22.4	11.4	28000
16004	20	42	8	0.3	0.05	6.95	4.05	22000
6004		42	12	0.6	0.068	9.3	5	20000
S6004		42	12	0.6	0.064	9.3	5	20000
6004.2Z		42	12	0.6	0.071	9.3	5	17000
6004.2RSR		42	12	0.6	0.071	9.3	5	12000
S6004.2RSR		42	12	0.6	0.067	9.3	5	12000
6204		47	14	1	0.105	12.7	6.55	18000
S6204		47	14	1	0.105	12.7	6.55	18000
6204.2Z		47	14	1	0.109	12.7	6.55	15000
6204.2RSR		47	14	1	0.109	12.7	6.55	10000
S6204.2RSR		47	14	1	0.108	12.7	6.55	10000
62204.2RSR		47	18	1	0.139	12.7	6.55	10000
6304		52	15	1.1	0.151	16	7.8	34000
S6304		52	15	1.1	0.153	16	7.8	34000
6304.2Z		52	15	1.1	0.153	16	7.8	14000
62304.2RSR		52	15	1.1	0.155	16	7.8	9500
62304.2RSR		52	21	1.1	0.155	16	7.8	9500
6404	72	19	1.1	0.209	16	7.8	26000	
16005	25	47	8	0.3	0.055	7.2	4.65	19000
6005		47	12	0.6	0.08	10	5.85	36000
S6005		47	12	0.6	0.082	10	5.85	36000
6005.2Z		47	12	0.6	0.083	10	5.85	15000
6005.2RSR		47	12	0.6	0.084	10	5.85	10000
6005.2RSR		47	12	0.6	0.083	10	5.85	10000
6205		52	15	1	0.128	14	7.8	17000
S6205		52	15	1	0.128	14	7.8	17000
6205.2Z		52	15	1	0.132	14	7.8	14000
6205.2RSR		52	15	1	0.132	14	7.8	9000
S6205.2RSR		52	15	1	0.132	14	7.8	9000
6220.2RSR		52	18	1	0.156	14	7.8	9000
6305		62	17	1.1	0.234	22.4	11.4	28000
S6305		62	17	1.1	0.237	22.4	11.4	28000
6305.2Z		62	17	1.1	0.24	22.4	11.4	11000
6305.2RSR		62	17	1.1	0.242	22.4	11.4	7500
S6305.2RSR		62	17	1.1	0.245	22.4	11.4	7500
62305.2RSR	62	24	1.1	0.272	22.4	11.4	7500	
6405	80	21	1.5	0.56	36	19.3	22000	
16006	30	55	9	0.3	0.082	11.2	7.35	16000
6006		55	13	1	0.122	12.7	8	16000
S6006		55	13	1	0.109	12.7	8	32000
6006.2Z		55	13	1	0.125	12.7	8	13000
6006.2RSR		55	13	1	0.125	12.7	8	8500
6206		62	16	1	0.195	19.3	11.2	14000

## Bearing

S6206		62	16	1	0.205	19.3	11.2	14000
6206.2Z		62	16	1	0.201	19.3	11.2	11000
6206.2RSR		62	16	1	0.201	19.3	11.2	7500
S6206.2RSR		62	16	1	0.211	19.3	11.2	7500
62206.2RSR		62	20	1	0.245	19.3	11.2	7500
6306		72	19	1.1	0.355	29	16.3	24000
S6306		72	19	1.1	0.355	29	16.3	24000
6306.2Z		72	19	1.1	0.363	29	16.3	9500
6306.2RSR		72	19	1.1	0.365	29	16.3	6300
S6306.2RSR		72	19	1.1	0.365	29	16.3	6300
62306.2RSR		72	27	1.1	0.499	29	16.3	6300
6406		90	23	1.5	0.76	42.5	23.2	19000
16007		62	9	0.3	0.105	12.2	8.8	14000
6007		62	14	1	0.157	16	10.2	28000
S6007		62	14	1	0.157	16	10.2	28000
6007.2Z		62	14	1	0.163	16	10.2	11000
6007.2RSR		62	14	1	0.163	16	10.2	7500
S6007.2RSR		62	14	1	0.163	16	10.2	7500
6207		72	17	1.1	0.291	25.5	15.3	24000
S6207		72	17	1.1	0.285	25.5	15.3	24000
6207.2Z		72	17	1.1	0.299	25.5	15.3	9500
6207.2RSR	35	72	17	1.1	0.301	25.5	15.3	6300
S6207.2RSR		72	17	1.1	0.303	25.5	15.3	6300
62207.2RSR		72	23	1.1	0.393	25.5	15.3	6300
6307		80	21	1.5	0.471	33.5	19	20000
S6307		80	21	1.5	0.471	33.5	19	20000
6307.2Z		80	21	1.5	0.481	33.5	19	8500
6307.2RSR		80	21	1.5	0.483	33.5	19	5600
S6307.2RSR		80	21	1.5	0.483	33.5	19	5600
62307.2RSR		80	31	1.5	0.687	33.5	19	5600
6407		100	25	1.5	0.971	53	31.5	16000
16008	40	68	9	0.3	0.12	13.2	10.2	13000
6008		68	15	1	0.194	16.6	11.6	26000
S6008		68	15	1	0.196	16.6	11.6	26000
6008.2Z		68	15	1	0.2	16.6	11.6	10000
6008.2RSR		68	15	1	0.202	16.6	11.6	6700
6208		80	18	1.1	0.371	29	18	20000
S6208		80	18	1.1	0.371	29	18	20000
6208.2Z		80	18	1.1	0.382	29	18	8500
6208.2RSR		80	18	1.1	0.384	29	18	5600
S6208.2RSR		80	18	1.1	0.384	29	18	5600
62208.2RSR		80	23	1.1	0.477	29	18	5600
6308		90	23	1.5	0.64	42.5	25	18000
S6308		90	23	1.5	0.641	42.5	25	18000
6308.2Z		90	23	1.5	0.654	42.5	25	7500

## Bearing

6308.2RSR		90	23	1.5	0.654	42.5	25	5000	
S6308.2RSR		90	23	1.5	0.654	42.5	25	5000	
62308.2RSR		90	33	1.5	0.903	42.5	25	5000	
6408		110	27	2	1.12	62	38	14000	
16009	45	75	10	0.6	0.167	15.6	12.2	22000	
6009		75	16	1	0.247	20	14.3	22000	
S6009		75	16	1	0.234	20	14.3	22000	
6009.2Z		75	16	1	0.253	20	14.3	9000	
6009.2RSR		75	16	1	0.257	20	14.3	6000	
S6009.2RSR		75	16	1	0.244	20	14.3	6000	
6209		85	19	1.1	0.429	31	20.4	19000	
S6209		85	19	1.1	0.429	31	20.4	19000	
6209.2Z		85	19	1.1	0.441	31	20.4	8000	
6209.2RSR		85	19	1.1	0.441	31	20.4	5300	
S620.2RSR		85	19	1.1	0.441	31	20.4	5300	
62209.2RSR		85	23	1.1	0.522	31	20.4	5300	
6309		100	25	1.5	0.847	53	31.5	16000	
S6309		100	25	1.5	0.859	53	31.5	16000	
6309.2Z		100	25	1.5	0.869	53	31.5	67000	
6309.2RSR		100	25	1.5	0.867	53	31.5	4500	
S6309.2RSR		100	25	1.5	0.879	53	31.5	4500	
62309.2RSR		100	36	1.5	1.2	53	31.5	4500	
6409		120	29	2	1.97	76.5	47.5	13000	
16010		50	80	10	0.6	0.181	16	13.2	20000
6010			80	16	1	0.272	20.8	15.6	20000
S6010	80		16	1	0.26	20.8	15.6	20000	
6010.2Z	80		16	1	0.282	20.8	15.6	8500	
6010.2RSR	80		16	1	0.283	20.8	15.6	5600	
S6010.2RSR	80		16	1	0.271	20.8	15.6	5600	
6210	90		20	1.1	0.466	36.5	24	18000	
S6210	90		20	1.1	0.469	36.5	24	18000	
6210.2Z	90		20	1.1	0.478	36.5	24	7500	
6210.2RSR	90		20	1.1	0.48	36.5	24	4800	
S6210.2RSR	90		20	1.1	0.48	36.5	24	4800	
62210.2RSR	90		23	1.1	0.543	36.5	24	4800	
6310	110		27	2	1.1	62	38	14000	
S6310	110		27	2	1.1	62	38	14000	
6310.2Z	110		27	2	1.12	62	38	6000	
6310.2RSR	110		27	2	1.12	62	38	4000	
S6310.2RSR	110		27	2	1.11	62	38	4000	
62310.2RSR	110	40	2	1.59	62	38	4000		
6410	130	31	2.1	1.96	81.5	52	12000		
16011	55	90	11	0.6	0.266	19.3	16.3	18000	
6011		90	18	1.1	0.397	28.5	21.2	18000	
S6011		90	18	1.1	0.403	28.5	21.2	18000	

## Bearing

6011.2Z		90	18	1.1	0.408	28.5	21.2	7500
6011.2RSR		90	18	1.1	0.41	28.5	21.2	5000
6211		100	21	1.5	0.616	43	29	16000
S6211		100	21	1.5	0.617	43	29	16000
6211.2Z		100	21	1.5	0.632	43	29	6700
6211.2RSR		100	21	1.5	0.632	43	29	4300
6311		120	29	2	1.39	76.5	47.5	13000
6311.2Z		120	29	2	1.43	76.5	47.5	5300
6311.2RSR		120	29	2	1.43	76.5	47.5	3600
6411		140	33	2.1	1.38	93	60	11000
16012		95	11	0.6	0.283	20	17.6	17000
6012		95	18	1.1	0.419	29	23.2	17000
S6012		95	18	1.1	0.416	29	23.2	16000
6012.2Z		95	18	1.1	0.431	29	23.2	7000
6012.2RSR		95	18	1.1	0.432	29	23.2	4500
6212		110	22	1.5	0.789	52	36	14000
S6212	60	110	22	1.5	0.795	52	36	14000
62121.2Z		110	22	1.5	0.807	52	36	6000
6212.2RSR		110	22	1.5	0.809	52	36	4000
6312		130	31	2.1	1.75	81.5	52	12000
6312.2Z		130	31	2.1	1.79	81.5	52	5000
6312.2RSR		130	31	2.1	1.79	81.5	52	3400
6412		150	35	2.1	2.89	104	68	10000
16013		100	11	0.6	0.302	21.2	19.6	16000
6013		100	18	1.1	0.448	30.5	25	15000
6013.2Z		100	18	1.1	0.464	30.5	25	6300
6013.2RSR		100	18	1.1	0.463	30.5	25	4300
6213		120	23	1.5	1	60	41.5	13000
6213.2Z	65	120	23	1.5	1.03	60	41.5	5300
6213.2RSR		120	23	1.5	1.03	60	41.5	3600
6313		140	33	2.1	2.14	93	60	11000
6313.2Z		140	33	2.1	2.18	93	60	4500
6313.2RSR		140	33	2.1	2.18	93	60	3000
6413		160	37	2.1	3.49	114	76.5	9500
16014		110	13	0.6	0.438	28	25	14000
6014		110	20	1.1	0.622	38	31	14000
6014.2Z		110	20	1.1	0.642	38	31	6000
6014.2RSR		110	20	1.1	0.64	38	31	4000
6214		125	24	1.5	1.09	62	44	12000
6214.2Z	70	125	24	1.5	1.11	62	44	5000
6214.2RSR		125	24	1.5	1.11	62	44	3400
6314		150	35	2.1	2.61	104	68	10000
6314.2Z		150	35	2.1	2.66	104	68	4300
6314.2RSR		150	35	2.1	2.66	104	68	2800
6414		180	42	3	5.06	132	96.5	8500

## Bearing

16015	75	115	13	0.6	0.463	28.5	27	13000
6015		115	20	1.1	0.654	39	33.5	13000
6015.2Z		115	20	1.1	0.676	39	33.5	5600
6015.2RSR		115	20	1.1	0.678	39	33.5	3800
6215		130	25	1.5	1.18	65.5	49	11000
6215.2Z		130	25	1.5	1.21	65.5	49	4800
6215.2RSR		130	25	1.5	1.22	65.5	49	3200
6315		160	37	2.1	3.18	114	76.5	9500
6315.2Z		160	37	2.1	3.23	114	76.5	4000
6415		190	45	3	7	132	96.5	8500
16016	80	125	14	0.6	0.609	32	31	13000
6016		125	22	1.1	0.867	47.5	40	6016
6016.2Z		125	22	1.1	0.893	47.5	40	5000
6216		140	26	2	1.46	72	53	11000
6216.2Z		140	26	2	1.49	72	53	4500
6216.2RSR		140	26	2	1.49	72	53	3000
6316		170	39	2.1	3.75	122	86.5	9000
6316.2Z		170	39	2.1	3.82	122	86.5	3800
6416M	200	48	2.1	8.29	122	86.5	7500	
16017	85	130	14	0.6	0.667	34	33.5	12000
6017		130	22	1.1	0.916	49	43	11000
6017.2Z		130	22	1.1	0.939	49	43	4800
6217		150	28	2	1.87	83	64	10000
6217.2Z		150	28	2	1.91	83	64	4300
6317		180	41	3	4.25	132	96.5	8000
6317.2Z		180	41	3	4.33	132	96.5	3400
6417M		210	52	4	9.58	173	137	7000
16018	90	140	16	1	0.866	41.6	39	11000
6018		140	24	1.5	1.21	58.5	50	11000
6018.2Z		140	24	1.5	1.23	58.5	50	4500
6218		160	30	2	2.21	96.5	72	9000
6218.2Z		160	30	2	2.26	96.5	72	3800
6318		190	43	3	5.43	134	102	8000
6318.2Z		190	43	3	5.53	134	102	3400
6418M		225	54	4	11.7	196	163	5300
16019	95	145	16	1	0.922	40	40.5	11000
6019		145	24	1.5	1.27	60	54	10000
6219		170	32	2.1	2.73	108	81.5	8500
6219.2Z		170	32	2.1	2.73	108	81.5	3600
6319		200	45	3	6.23	143	112	7500
6319.2Z		200	45	3	6.34	143	112	3200
16020	100	150	16	1	0.956	44	44	10000
6020		150	24	1.5	1.32	60	54	9500
6020.2Z		150	24	1.5	1.35	60	54	4000
6220		180	34	2.1	3.3	122	93	8000

## Bearing

6220.2Z		180	34	2.1	3.36	122	93	3400	
6320		215	47	3	7.67	163	134	7000	
6320.2Z		215	47	3	7.78	163	134	3000	
16021	105	160	18	1	1.24	54	54	9500	
6021		160	26	2	1.67	71	64	9000	
6021.2Z		160	26	2	1.7	71	64	3800	
6221		190	36	2.1	3.88	132	104	7500	
6221.2Z		190	36	2.1	3.99	132	104	3200	
6321		225	49	3	8.7	173	146	6700	
16022		110	170	19	1	1.51	57	57	9000
6022			170	28	2	2.06	80	71	8500
6022.2Z	170		28	2	2.11	80	71	3600	
6222	200		38	2.1	4.64	143	116	7000	
6222.2Z	200		38	2.1	4.8	143	116	3000	
6322	240		50	3	10.3	190	166	6300	
6322.2Z	240		50	3	10.5	190	166	2600	
16024	120		180	19	1	1.62	61	64	8000
6024		180	28	2	2.18	83	78	8000	
6024.2Z		180	28	2	2.23	83	78	3400	
6224		215	40	2.1	5.62	146	122	6700	
6324		260	55	3	12.8	212	190	6000	
16026		130	200	22	1.1	2.41	78	81.5	7500
6026	200		33	2	3.34	104	100	7000	
6026.2Z	200		33	2	3.45	104	100	3000	
6226	230		40	3	6.24	166	146	6300	
6326M	280		58	4	18.3	228	216	5600	
16028	140		210	22	1.1	2.55	80	86.5	7000
6028		210	33	2	3.57	108	108	4300	
6028.2Z		210	33	2	3.65	108	108	4300	
6228		250	42	3	8.07	176	166	6000	
6328M		300	62	4	22.3	255	245	5300	
16030		150	225	24	1.1	3.17	91.5	98	6700
6030	225		35	2.1	4.38	122	125	6300	
6230	270		45	3	10.3	176	170	5600	
6330M	320		65	4	26.5	280	290	4800	