



Shaanxi Gainhui Heavy Industries Co., Ltd.
Bearing Manufacturer And Supplier In China

BECAUSE WE ARE FOCUSED WE ARE PROFESSIONAL

We are committed to providing competitive bearing products and OEM services to global customers.



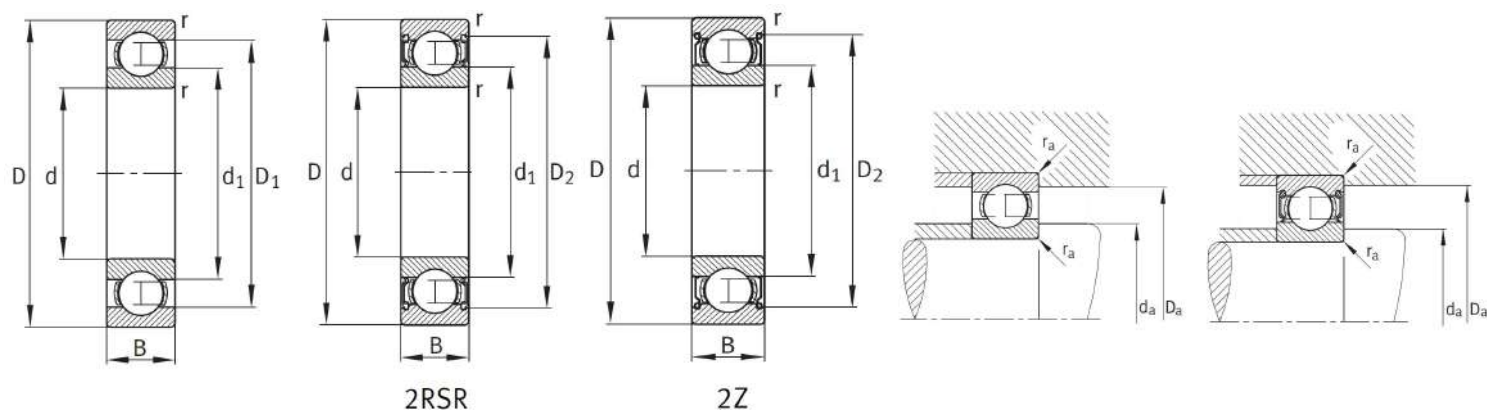
Single Row Deep Groove Ball Bearings



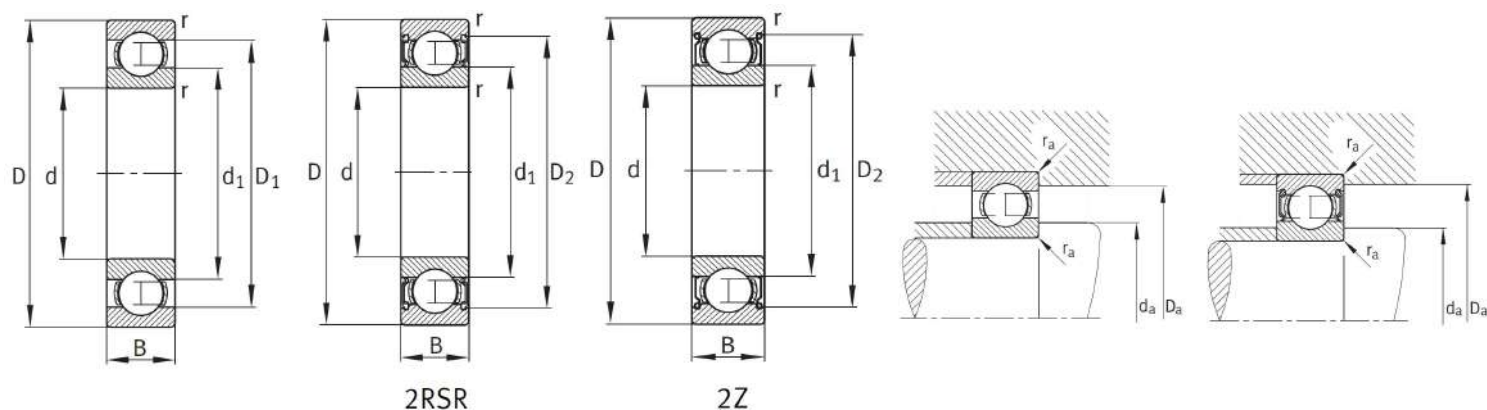
Bearing Series:

6000 series, 6200 series, 6300 series,
6400 series, 61800 series, 61900 series,
62200 series, 62300 series, 16000 series

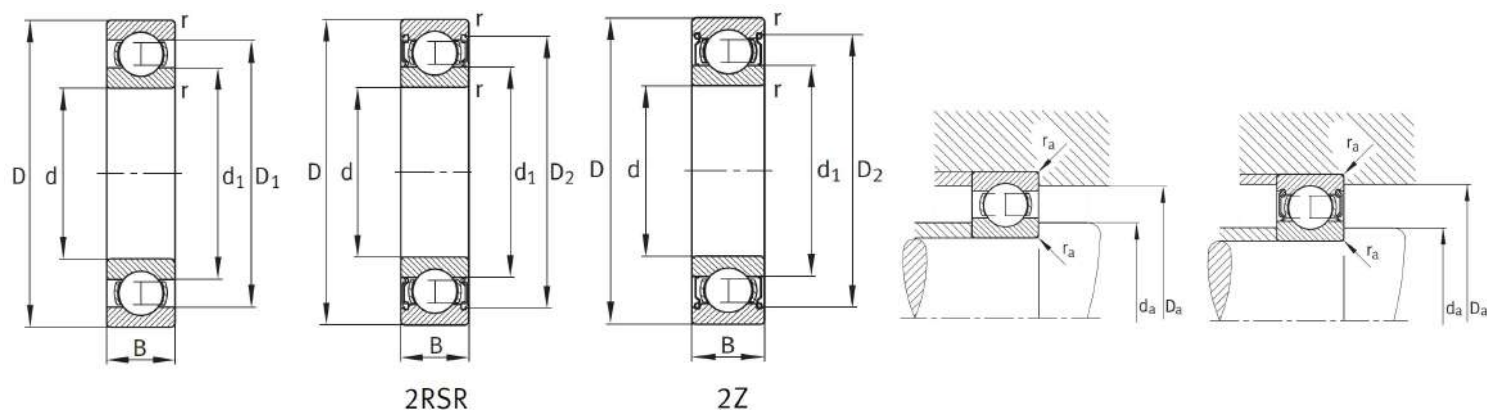




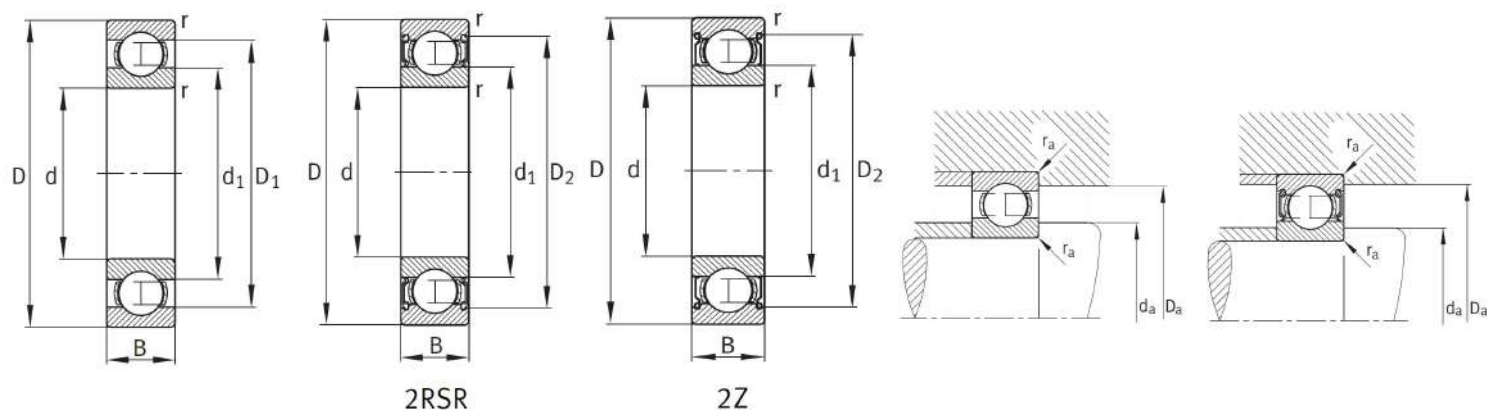
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
61800	10	19	5	0.3	16.3	–	13	12	17	0.3	1450	590	29.5	43 000	27 500	0.006
61800-2RSR	10	19	5	0.3	–	17	13	12	17	0.3	1450	590	29.5	18 000	–	0.006
61800-2Z	10	19	5	0.3	–	17	13	12	17	0.3	1450	590	29.5	36 000	27 500	0.006
61900	10	22	6	0.3	18.2	–	13.8	12	20	0.3	2200	840	42.5	40 000	27 000	0.01
61900-2RSR	10	22	6	0.3	–	19.1	13.8	12	20	0.3	2200	840	42.5	17 300	–	0.01
61900-2Z	10	22	6	0.3	–	19.1	13.8	12	20	0.3	2200	840	42.5	34 000	27 000	0.01
6000	10	26	8	0.3	21.4	–	14.7	12	24	0.3	4550	1 960	93	34 000	28 500	0.019
6000-2RSR	10	26	8	0.3	–	22.5	14.7	12	24	0.3	4550	1 960	93	19 000	–	0.02
6000-2Z	10	26	8	0.3	–	22.5	14.7	12	24	0.3	4550	1 960	93	28 000	28 500	0.02
6200	10	30	9	0.6	24	–	16.7	14.2	25.8	0.6	6000	2 600	171	32 000	23 400	0.031
6200-2RSR	10	30	9	0.6	–	25	16.7	14.2	25.8	0.6	6000	2 600	171	17 000	–	0.032
6200-2Z	10	30	9	0.6	–	25	16.7	14.2	25.8	0.6	6000	2 600	171	26 000	23 400	0.032
62200-2RSR	10	30	14	0.6	–	25	16.7	14.2	25.8	0.6	6000	2 600	158	17 000	–	0.048
6300	10	35	11	0.6	27	–	18.1	14.2	30.8	0.6	8150	3 450	230	56 000	21 100	0.055
6300-2RSR	10	35	11	0.6	–	28.6	18.1	14.2	30.8	0.6	8150	3 450	230	15 000	–	0.057
6300-2Z	10	35	11	0.6	–	28.6	18.1	14.2	30.8	0.6	8150	3 450	230	22 000	21 100	0.057
61801	12	21	5	0.3	18.3	–	15	14	19	0.3	1520	670	33.5	38 000	23 600	0.006
61801-2RSR	12	21	5	0.3	–	19	15	14	19	0.3	1520	670	33.5	18 000	–	0.006
61801-2Z	12	21	5	0.3	–	19	15	14	19	0.3	1520	670	33.5	32 000	23 600	0.006
61901	12	24	6	0.3	20.2	–	15.8	14	22	0.3	2360	980	49.5	36 000	23 500	0.012
61801-2RSR	12	24	6	0.3	–	21.1	15.8	14	22	0.3	2360	980	49.5	18 000	–	0.012
61801-2Z	12	24	6	0.3	–	21.1	15.8	14	22	0.3	2360	980	49.5	30 000	23 500	0.012
6001	12	28	8	0.3	23.5	–	16.7	14	26	0.3	5100	2 360	130	32 000	25 000	0.02
6001-2RSR	12	28	8	0.3	–	24.5	16.7	14	26	0.3	5100	2 360	130	18 000	–	0.022
6001-2Z	12	28	8	0.3	–	24.5	16.7	14	26	0.3	5100	2 360	130	26 000	25 000	0.02
6201	12	32	10	0.6	25.8	–	18.3	16.2	27.8	0.6	6950	3 100	198	30 000	22 200	0.037
6201-2RSR	12	32	10	0.6	–	27.4	18.3	16.2	27.8	0.6	6950	3 100	198	16 000	–	0.039
6201-2Z	12	32	10	0.6	–	27.4	18.3	16.2	27.8	0.6	6950	3 100	198	24 000	22 200	0.039
62201-2RSR	12	32	14	0.6	–	27.4	18.3	16.2	27.8	0.6	6950	3 100	198	16 000	–	0.051
6301	12	37	12	1	29.6	–	19.5	17.6	31.4	1	9650	4 150	280	53 000	20 000	0.062



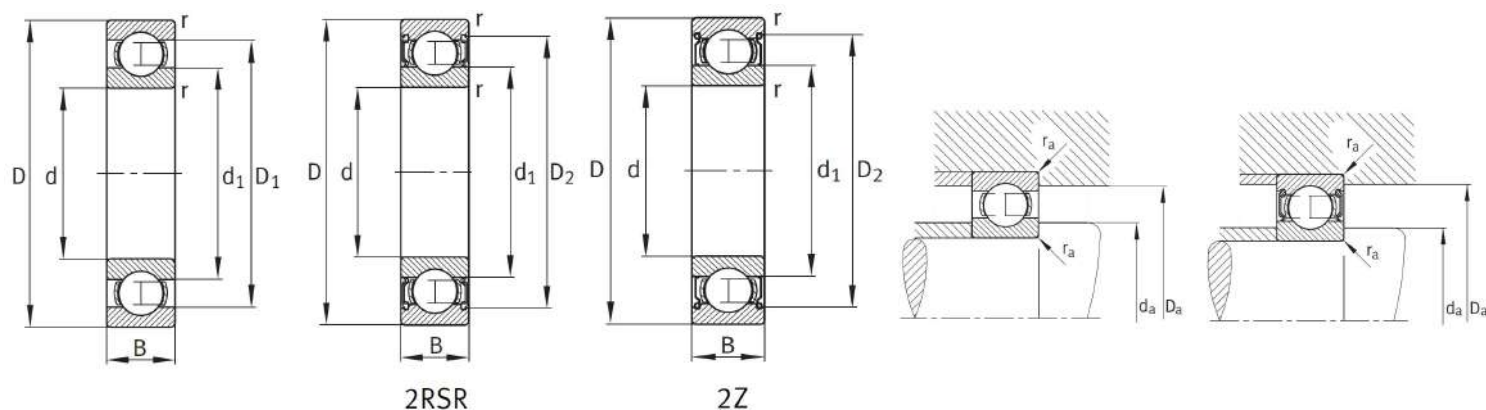
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6301-2RSR	12	37	12	1	–	31.4	19.5	17.6	31.4	1	9650	4 150	280	13 000	–	0.064
6301-2Z	12	37	12	1	–	31.4	19.5	17.6	31.4	1	9650	4 150	280	20 000	20 000	0.064
61802	15	24	5	0.3	21.1	–	18	17	22	0.3	1650	800	40.5	34 000	19 300	0.008
61802-2RSR	15	24	5	0.3	–	22	18	17	22	0.3	1650	800	40.5	16 000	–	0.008
61802-2Z	15	24	5	0.3	–	22	18	17	22	0.3	1650	800	40.5	28 000	19 300	0.008
61902	15	28	7	0.3	24.3	–	18.8	17	26	0.3	4350	2 260	125	30 000	20 600	0.017
61902-2RSR	15	28	7	0.3	–	25.5	18.8	17	26	0.3	4350	2 260	125	15 000	–	0.017
61902-2Z	15	28	7	0.3	–	25.5	18.8	17	26	0.3	4350	2 260	125	24 000	20 600	0.017
16002	15	32	8	0.3	26.9	–	20.5	17	30	0.3	5600	2 850	144	30 000	20 000	0.027
6002	15	32	9	0.3	26.9	–	20.5	17	30	0.3	5600	2 850	134	30 000	22 000	0.031
6002-2RSR	15	32	9	0.3	–	28.4	20.5	17	30	0.3	5600	2 850	134	16 000	–	0.033
6002-2Z	15	32	9	0.3	–	28.4	20.5	17	30	0.3	5600	2 850	134	24 000	22 000	0.033
6202	15	35	11	0.6	29.3	–	21.1	19.2	30.8	0.6	7 800	3 750	220	26 000	20 200	0.043
6202-2RSR	15	35	11	0.6	–	30.9	21.1	19.2	30.8	0.6	7 800	3 750	220	14 000	–	0.045
6202-2Z	15	35	11	0.6	–	30.9	21.1	19.2	30.8	0.6	7 800	3 750	220	20 000	20 200	0.045
62202-2RSR	15	35	14	0.6	–	30.9	21.1	19.2	30.8	0.6	7 800	3 750	220	14 000	–	0.057
6302	15	42	13	1	33.5	–	23.6	20.6	36.4	1	11 400	5 400	350	43 000	17 500	0.088
6302-2RSR	15	42	13	1	–	35	23.6	20.6	36.4	1	11 400	5 400	350	12 000	–	0.09
6302-2Z	15	42	13	1	–	35	23.6	20.6	36.4	1	11 400	5 400	350	18 000	17 500	0.09
62302-2RSR	15	42	17	1	–	35	23.6	20.6	36.4	1	11 400	5 400	350	12 000	–	0.114
61803	17	26	5	0.3	23	–	20	19	24	0.3	1 770	930	47	30 000	17 200	0.008
61803-2RSR	17	26	5	0.3	–	24	20	19	24	0.3	1 770	930	47	15 000	–	0.008
61803-2Z	17	26	5	0.3	–	24	20	19	24	0.3	1 770	930	47	24 000	17 200	0.008
61903	17	30	7	0.3	26.3	–	20.8	19	28	0.3	4 600	2 550	135	28 000	18 500	0.017
61903-2RSR	17	30	7	0.3	–	27.5	20.8	19	28	0.3	4 600	2 550	135	14 000	–	0.019
61903-2Z	17	30	7	0.3	–	27.5	20.8	19	28	0.3	4 600	2 550	135	22 000	18 500	0.019
16003	17	35	8	0.3	29.5	–	22.7	19	33	0.3	6 000	3 250	157	28 000	17 700	0.03
6003	17	35	10	0.3	29.5	–	22.7	19	33	0.3	6 000	3 250	157	28 000	21 000	0.038
6003-2RSR	17	35	10	0.3	–	30.8	22.7	19	33	0.3	6 000	3 250	157	14 000	–	0.04
6003-2Z	17	35	10	0.3	–	30.8	22.7	19	33	0.3	6 000	3 250	157	22 000	21 000	0.04



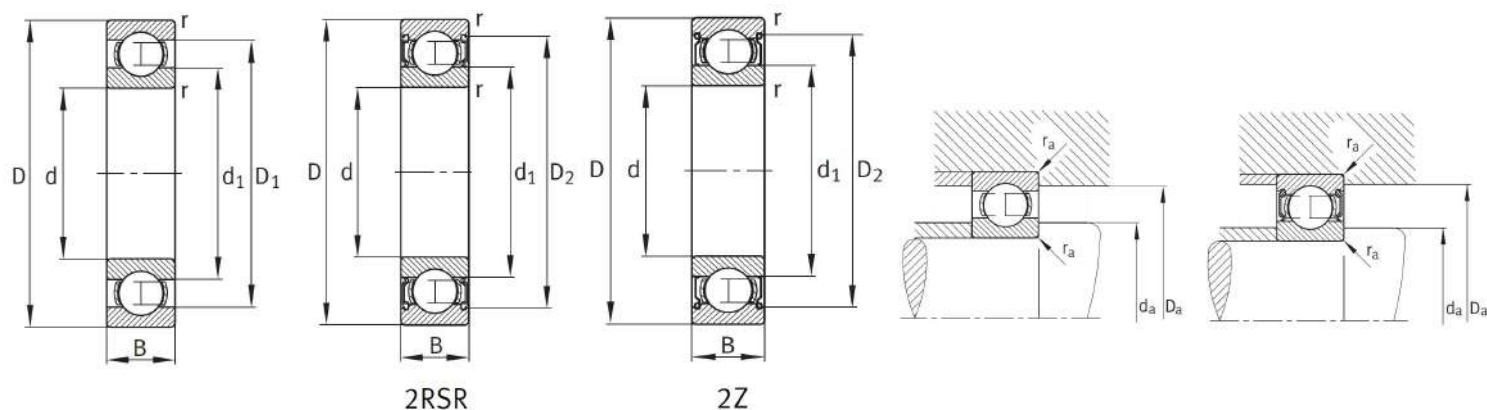
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6203	17	40	12	0.6	33.1	–	24	21.2	35.8	0.6	9 500	4 750	275	22 000	18 100	0.065
6203-2RSR	17	40	12	0.6	–	34.4	24	21.2	35.8	0.6	9 500	4 750	275	12 000	–	0.067
6203-2Z	17	40	12	0.6	–	34.4	24	21.2	35.8	0.6	9 500	4 750	275	18 000	18 100	0.067
62203-2RSR	17	40	16	0.6	–	34.4	24	21.2	35.8	0.6	9 500	4 750	280	12 000	–	0.087
6303	17	47	14	1	37.9	–	26.2	22.6	41.4	1	13 400	6 550	425	30 000	15 900	0.114
6303-2RSR	17	47	14	1	–	39.3	26.2	22.6	41.4	1	13 400	6 550	425	11 000	–	0.118
6303-2Z	17	47	14	1	–	39.3	26.2	22.6	41.4	1	13 400	6 550	425	16 000	15 900	0.117
62303-2RSR	17	47	19	1	–	39.3	26.2	22.6	41.4	1	13 400	6 550	425	11 000	–	0.154
6403	17	62	17	1.1	50.2	–	36.4	26	53	1	22 400	11 400	750	28 000	13 700	0.269
61804	20	32	7	0.3	28.1	–	24	22	30	0.3	3 900	2 320	117	24 000	16 600	0.018
61804-2RSR	20	32	7	0.3	–	29.2	24	22	30	0.3	3 900	2 320	117	11 500	–	0.018
61804-2Z	20	32	7	0.3	–	29.2	24	22	30	0.3	3 900	2 320	117	19 000	16 600	0.018
61904	20	37	9	0.3	31.8	–	25.2	22	35	0.3	6 300	3 700	191	22 000	17 000	0.037
61904-2RSR	20	37	9	0.3	–	33.2	25.2	22	35	0.3	6 300	3 700	191	11 500	–	0.037
61904-2Z	20	37	9	0.3	–	33.2	25.2	22	35	0.3	6 300	3 700	191	18 000	17 000	0.037
16004	20	42	8	0.3	34.7	–	27.2	22	40	0.3	6 950	4 050	202	22 000	14 300	0.05
6004	20	42	12	0.6	35.5	–	26.6	23.2	38.8	0.6	9 300	5 000	285	20 000	18 900	0.069
6004-2RSR	20	42	12	0.6	–	37.4	26.6	23.2	38.8	0.6	9 300	5 000	285	12 000	–	0.071
6004-2Z	20	42	12	0.6	–	37.4	26.6	23.2	38.8	0.6	9 300	5 000	285	17 000	18 900	0.071
6204	20	47	14	1	38.4	–	28.8	25.6	41.4	1	12 700	6 550	440	18 000	16 300	0.106
6204-2RSR	20	47	14	1	–	41	28.8	25.6	41.4	1	12 700	6 550	440	10 000	–	0.11
6204-2Z	20	47	14	1	–	41	28.8	25.6	41.4	1	12 700	6 550	440	15 000	16 300	0.11
62204-2RSR	20	47	18	1	–	41	28.8	25.6	41.4	1	12 700	6 550	385	10 000	–	0.139
6304	20	52	15	1.1	41.9	–	30.3	27	45	1	16 000	7 800	530	34 000	14 400	0.151
6304-2RSR	20	52	15	1.1	–	44.4	30.3	27	45	1	16 000	7 800	530	9500	–	0.155
6304-2Z	20	52	15	1.1	–	44.4	30.3	27	45	1	16 000	7 800	530	14 000	14 400	0.155
62304-2RSR	20	52	21	1.1	–	44.4	30.3	27	45	1	16 000	7 800	495	9500	–	0.209
6404	20	72	19	1.1	59.6	–	44.6	27	65	1	29 000	16 300	1 020	24 000	12 100	0.414
61805	25	37	7	0.3	33.1	–	29	27	35	0.3	4 150	2 600	132	20 000	13 500	0.023
61805-2RSR	25	37	7	0.3	–	34.2	29	27	35	0.3	4 150	2 600	132	9800	–	0.023



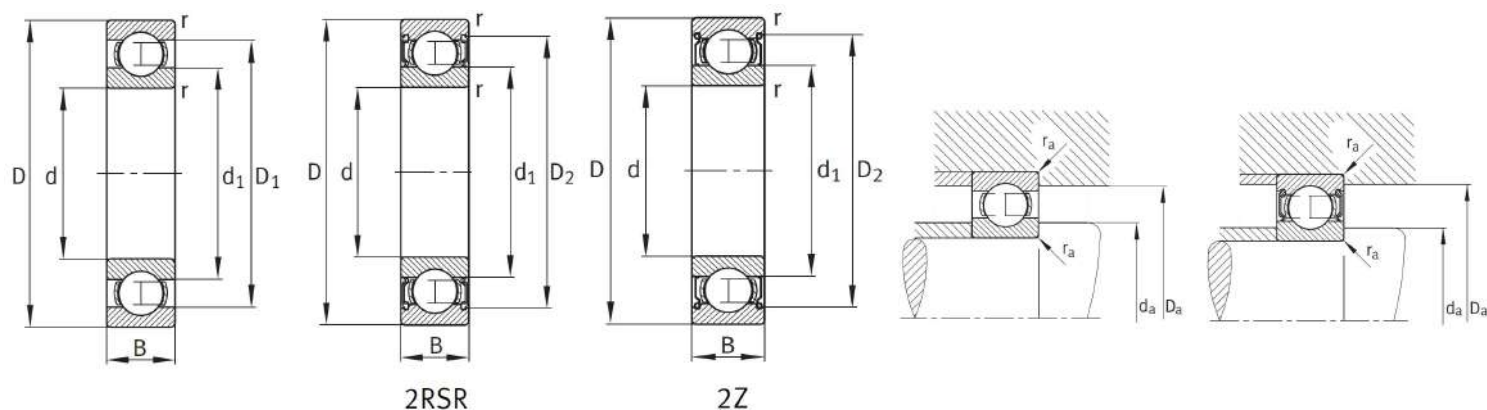
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
61805-2Z	25	37	7	0.3	—	34.2	29	27	35	0.3	4 150	2 600	132	17 000	13 500	0.023
61905	25	42	9	0.3	36.8	—	30.2	27	40	0.3	6 900	4 350	219	19 000	14 000	0.042
61905-2RSR	25	42	9	0.3	—	38.4	30.2	27	40	0.3	6 900	4 350	219	9800	—	0.043
61905-2Z	25	42	9	0.3	—	38.4	30.2	27	40	0.3	6 900	4 350	219	16 000	14 000	0.043
16005	25	47	8	0.3	39.7	—	32.2	27	45	0.3	7 200	4 650	215	19 000	12 000	0.055
6005	25	47	12	0.6	40.2	—	32	28.2	43.8	0.6	10 000	5 850	305	36 000	15 800	0.081
6005-2RSR	25	47	12	0.6	—	42.5	32	28.2	43.8	0.6	10 000	5 850	305	10 000	—	0.085
6005-2Z	25	47	12	0.6	—	42.5	32	28.2	43.8	0.6	10 000	5 850	305	15 000	15 800	0.083
6205	25	52	15	1	43.6	—	33.5	30.6	46.4	1	14 000	7 800	510	17 000	14 400	0.129
6205-2RSR	25	52	15	1	—	45.4	33.5	30.6	46.4	1	14 000	7 800	510	9000	—	0.133
6205-2Z	25	52	15	1	—	45.4	33.5	30.6	46.4	1	14 000	7 800	510	14 000	14 400	0.133
62205-2RSR	25	52	18	1	—	45.4	33.5	30.6	46.4	1	14 000	7 800	415	9000	—	0.157
6305	25	62	17	1.1	50.2	—	36.4	32	55	1	22 400	11 400	750	28 000	12 300	0.234
6305-2RSR	25	62	17	1.1	—	52.5	36.4	32	55	1	22 400	11 400	750	7500	—	0.242
6305-2Z	25	62	17	1.1	—	52.5	36.4	32	55	1	22 400	11 400	750	11 000	12 300	0.24
62305-2RSR	25	62	24	1.1	—	52.5	36.4	32	55	1	22 400	11 400	750	7500	—	0.272
6405	25	80	21	1.5	65.5	—	49.3	36	71	1.5	33 500	19 000	1 250	20 000	11 000	0.549
61806	30	42	7	0.3	38.1	—	34	32	40	0.3	4 300	2 900	249	18 000	11 300	0.027
61806-2RSR	30	42	7	0.3	—	39.2	34	32	40	0.3	4 300	2 900	249	8400	—	0.027
61806-2Z	30	42	7	0.3	—	39.2	34	32	40	0.3	4 300	2 900	249	15 000	11 300	0.027
61906	30	47	9	0.3	41.9	—	35.2	32	45	0.3	7 000	4 600	231	17 000	11 900	0.048
61906-2RSR	30	47	9	0.3	—	43.5	35.2	32	45	0.3	7 000	4 600	231	8100	—	0.051
61906-2Z	30	47	9	0.3	—	43.5	35.2	32	45	0.3	7 000	4 600	231	14 000	11 900	0.051
16006	30	55	9	0.3	47.5	—	37.7	32	53	0.3	11 200	7 350	365	16 000	10 400	0.082
6006	30	55	13	1	47.2	—	38.3	34.6	50.4	1	12 700	8 000	390	32 000	13 600	0.122
6006-2RSR	30	55	13	1	—	49.2	38.3	34.6	50.4	1	12 700	8 000	390	8500	—	0.126
6006-2Z	30	55	13	1	—	49.2	38.3	34.6	50.4	1	12 700	8 000	390	13 000	13 600	0.126
6206	30	62	16	1	52.1	—	40	35.6	56.4	1	19 300	11 200	680	14 000	12 000	0.195
6206-2RSR	30	62	16	1	—	54.9	40	35.6	56.4	1	19 300	11 200	680	7500	—	0.201
6206-2Z	30	62	16	1	—	54.9	40	35.6	56.4	1	19 300	11 200	680	11 000	12 000	0.201



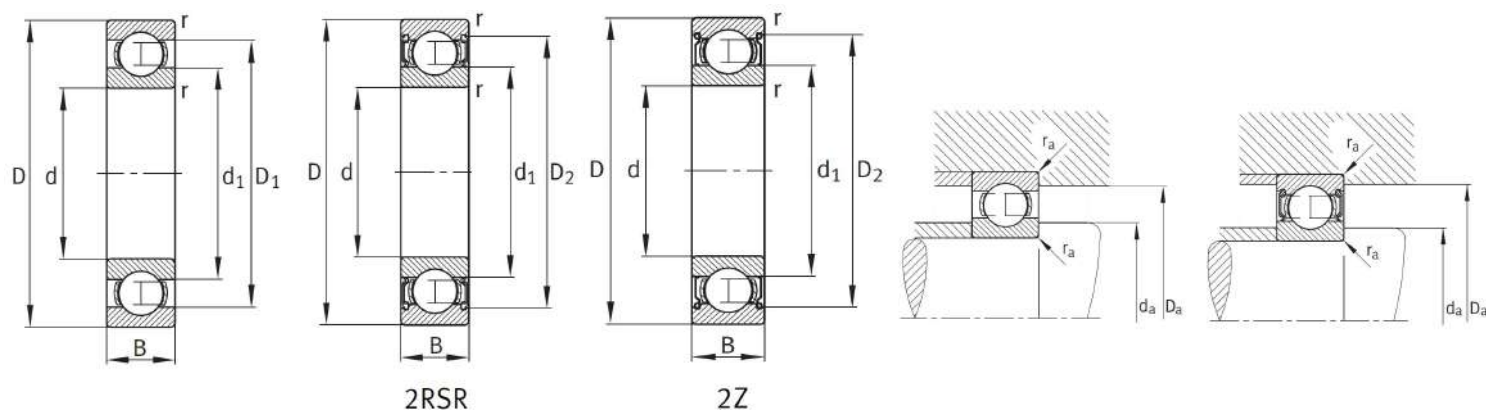
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
62206-2RSR	30	62	20	1	—	54.9	40	35.6	56.4	1	19 300	11 200	680	7500	—	0.245
6306	30	72	19	1.1	59.6	—	44.6	37	65	1	29 000	16 300	1 020	24 000	10 800	0.355
6306-2RSR	30	72	19	1.1	—	61.6	44.6	37	65	1	29 000	16 300	1 020	6300	—	0.365
6306-2Z	30	72	19	1.1	—	61.6	44.6	37	65	1	29 000	16 300	1 020	9500	10 800	0.363
62306-2RSR	30	72	27	1.1	—	61.6	44.6	37	65	1	29 000	16 300	1 020	6300	—	0.499
6406	30	90	23	1.5	74.6	—	55.6	39	81	1.5	42 500	25 000	1 640	18 000	10 000	0.74
61807	35	47	7	0.3	43.1	—	39	37	45	0.3	4 450	3 200	285	16 000	9600	0.03
61807-2RSR	35	47	7	0.3	—	44.3	39	37	45	0.3	4 450	3 200	285	7300	—	0.03
61807-2Z	35	47	7	0.3	—	44.3	39	37	45	0.3	4 450	3 200	285	13 000	9600	0.03
61907	35	55	10	0.6	49	—	41.1	38.2	51.8	0.6	9 500	6 800	325	14 000	10 500	0.076
61907-2RSR	35	55	10	0.6	—	50.6	41.1	38.2	51.8	0.6	9 500	6 800	325	6900	—	0.076
61907-2Z	35	55	10	0.6	—	50.6	41.1	38.2	51.8	0.6	9 500	6 800	325	11 500	10 500	0.076
16007	35	62	9	0.3	53.5	—	43.7	37	60	0.3	12 200	8 800	415	14 000	8900	0.105
6007	35	62	14	1	53.3	—	43.2	39.6	57.4	1	16 000	10 200	550	28 000	12 100	0.157
6007-2RSR	35	62	14	1	—	55.4	43.2	39.6	57.4	1	16 000	10 200	550	7500	—	0.163
6007-2Z	35	62	14	1	—	55.4	43.2	39.6	57.4	1	16 000	10 200	550	11 000	12 100	0.163
6207	35	72	17	1.1	60.7	—	47.2	42	65	1	25 500	15 300	920	24 000	10 300	0.291
6207-2RSR	35	72	17	1.1	—	63.3	47.2	42	65	1	25 500	15 300	920	6300	—	0.301
6207-2Z	35	72	17	1.1	—	63.3	47.2	42	65	1	25 500	15 300	920	9500	10 300	0.299
62207-2RSR	35	72	23	1.1	—	63.3	47.2	42	65	1	25 500	15 300	920	6300	—	0.393
6307	35	80	21	1.5	65.5	—	49.3	44	71	1.5	33 500	19 000	1 250	20 000	9900	0.471
6307-2RSR	35	80	21	1.5	—	67.6	49.3	44	71	1.5	33 500	19 000	1 250	5600	—	0.483
6307-2Z	35	80	21	1.5	—	67.6	49.3	44	71	1.5	33 500	19 000	1 250	8500	9900	0.481
62307-2RSR	35	80	31	1.5	—	67.6	49.3	44	71	1.5	33 500	19 000	1 250	5600	—	0.687
6407	35	100	25	1.5	83.3	—	62	46	89	1.5	53 000	31 500	2 180	16 000	8900	0.971
61808	40	52	7	0.3	48.2	—	44	42	50	0.3	4 600	3 500	320	14 000	8400	0.032
61808-2RSR	40	52	7	0.3	—	49.5	44	42	50	0.3	4 600	3 500	320	6500	—	0.032
61808-2Z	40	52	7	0.3	—	49.5	44	42	50	0.3	4 600	3 500	320	11 000	8400	0.032
61908	40	62	12	0.6	55.3	—	46.6	43.2	58.8	0.6	13 700	10 000	540	12 000	10 000	0.11
61908-2RSR	40	62	12	0.6	—	56.6	46.6	43.2	58.8	0.6	13 700	10 000	540	6100	—	0.11



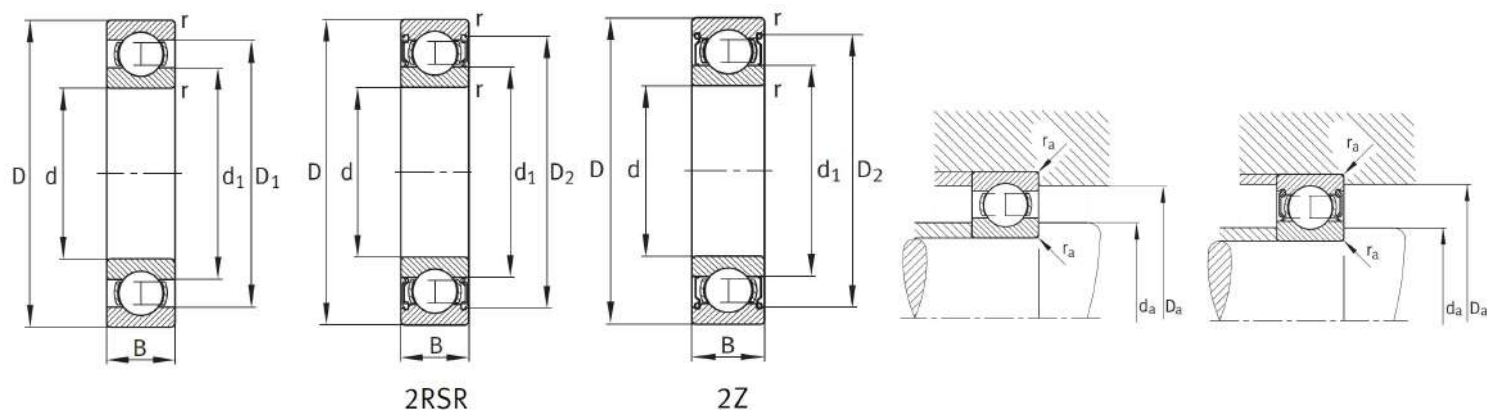
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
61908-2Z	40	62	12	0.6	—	56.6	46.6	43.2	58.8	0.6	13 700	10 000	540	10 000	10 000	0.11
16008	40	68	9	0.3	59.3	—	49.4	42	66	0.3	13 200	10 200	465	13 000	7800	0.12
6008	40	68	15	1	59.1	—	49.3	44.6	63.4	1	16 600	11 600	580	26 000	11 100	0.194
6008-2RSR	40	68	15	1	—	61.6	49.3	44.6	63.4	1	16 600	11 600	580	6700	—	0.202
6008-2Z	40	68	15	1	—	61.6	49.3	44.6	63.4	1	16 600	11 600	580	10 000	11 100	0.2
6208	40	80	18	1.1	67.5	—	53	47	73	1	29 000	18 000	1 050	20 000	9300	0.372
6208-2RSR	40	80	18	1.1	—	70.4	53	47	73	1	29 000	18 000	1 050	5600	—	0.384
6208-2Z	40	80	18	1.1	—	70.4	53	47	73	1	29 000	18 000	1 050	8500	9300	0.382
62208-2RSR	40	80	23	1.1	—	70.4	53	47	73	1	29 000	18 000	1 050	5600	—	0.478
6308	40	90	23	1.5	74.6	—	55.6	49	81	1.5	42 500	25 000	1 640	18 000	9000	0.64
6308-2RSR	40	90	23	1.5	—	76.5	55.6	49	81	1.5	42 500	25 000	1 640	5000	—	0.654
6308-2Z	40	90	23	1.5	—	76.5	55.6	49	81	1.5	42 500	25 000	1 640	7500	9000	0.654
62308-2RSR	40	90	33	1.5	—	76.5	55.6	49	81	1.5	42 500	25 000	1 640	5000	—	0.903
6408	40	110	27	2	91.6	—	68	53	97	2	62 000	38 000	2 500	14 000	8200	0.805
61809-Y	45	58	7	0.3	54.1	—	49.1	47	56	0.3	6 400	5 600	285	14 000	9000	0.039
61809-2RSR-Y	45	58	7	0.3	—	55.4	49.1	47	56	0.3	6 400	5 600	285	7500	—	0.039
61809-2Z-Y	45	58	7	0.3	—	55.4	49.1	47	56	0.3	6 400	5 600	285	11 000	9000	0.039
61909	45	68	12	0.6	60.8	—	52.1	48.2	64.8	0.6	14 000	10 800	570	26 000	8900	0.13
61909-2RSR	45	68	12	0.6	—	62.1	52.1	48.2	64.8	0.6	14 000	10 800	570	6700	—	0.13
61909-2Z	45	68	12	0.6	—	62.1	52.1	48.2	64.8	0.6	14 000	10 800	570	10 000	8900	0.13
16009	45	75	10	0.6	65.6	—	55	48.2	71.8	0.6	15 600	12 200	580	22 000	7300	0.167
6009	45	75	16	1	65.5	—	54.2	49.6	70.4	1	20 000	14 300	730	22 000	10 200	0.247
6009-2RSR	45	75	16	1	—	68	54.2	49.6	70.4	1	20 000	14 300	730	6000	—	0.257
6009-2Z	45	75	16	1	—	68	54.2	49.6	70.4	1	20 000	14 300	730	9000	10 200	0.253
6209	45	85	19	1.1	71.8	—	57.2	52	78	1	31 000	20 400	1 150	19 000	8700	0.429
6209-2RSR	45	85	19	1.1	—	74.6	57.2	52	78	1	31 000	20 400	1 150	5300	—	0.441
6209-2Z	45	85	19	1.1	—	74.6	57.2	52	78	1	31 000	20 400	1 150	8000	8700	0.441
62209-2RSR	45	85	23	1.1	—	74.6	57.2	52	78	1	31 000	20 400	1 150	5300	—	0.522
6309	45	100	25	1.5	83.3	—	62.3	54	91	1.5	53 000	31 500	2 180	16 000	8300	0.849
6309-2RSR	45	100	25	1.5	—	85.6	62	54	91	1.5	53 000	31 500	2 180	4500	—	0.867



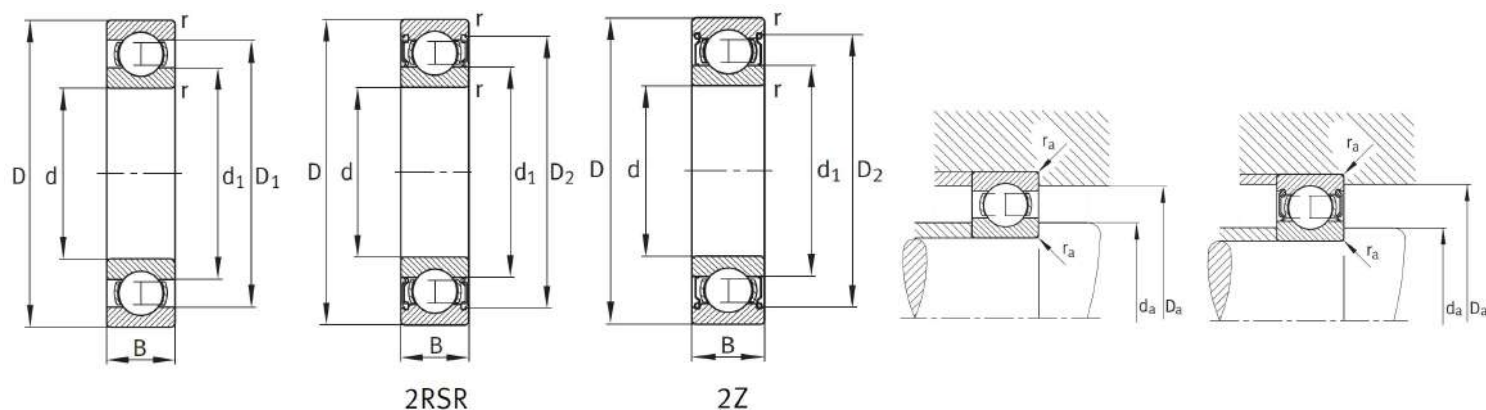
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6309-2Z	45	100	25	1.5	—	85.6	62	54	91	1.5	53 000	31 500	2 180	6700	8300	0.869
62309-2RSR	45	100	36	1.5	—	85.6	62	54	91	1.5	53 000	31 500	2 180	4500	—	1.2
6409	45	120	29	2	100.9	—	75.5	58	107	2	76 500	47 500	3 050	13 000	7600	1.98
61810-Y	50	65	7	0.3	60.5	—	55.1	52	63	0.3	6 800	6 300	265	13 000	8 000	0.052
61810-2RSR-Y	50	65	7	0.3	—	61.8	55.1	52	63	0.3	6 800	6 300	265	6700	—	0.052
61810-2Z-Y	50	65	7	0.3	—	61.8	55.1	52	63	0.3	6 800	6 300	265	9300	8 000	0.052
61910	50	72	12	0.6	65.5	—	56.6	53.2	68.8	0.6	14 600	11 800	600	22 000	8 100	0.13
61910-2RSR	50	72	12	0.6	—	68.6	56.6	53.2	68.8	0.6	14 600	11 800	600	6000	—	0.13
16010	50	80	10	0.6	70.6	—	60.1	53.2	76.8	0.6	16 000	13 200	610	20 000	6 700	0.181
6010	50	80	16	1	70.1	—	59.8	54.6	75.4	1	20 800	15 600	770	20 000	9 300	0.272
6010-2RSR	50	80	16	1	—	72.9	59.8	54.6	75.4	1	20 800	15 600	770	5600	—	0.283
6010-2Z	50	80	16	1	—	72.9	59.8	54.6	75.4	1	20 800	15 600	770	8500	9 300	0.282
6210	50	90	20	1.1	77.9	—	62	57	83	1	36 500	24 000	1 420	18 000	8 200	0.466
6210-2RSR	50	90	20	1.1	—	80	62	57	83	1	36 500	24 000	1 420	4800	—	0.48
6210-2Z	50	90	20	1.1	—	80	62	57	83	1	36 500	24 000	1 420	7500	8 200	0.478
62210-2RSR	50	90	23	1.1	—	80	62	57	83	1	36 500	24 000	1 420	4800	—	0.543
6310	50	110	27	2	91.6	—	68.3	61	99	2	62 000	38 000	2 600	14 000	7 700	1.1
6310-2RSR	50	110	27	2	—	95.1	68	61	99	2	62 000	38 000	2 600	4000	—	1.12
6310-2Z	50	110	27	2	—	95.1	68	61	99	2	62 000	38 000	2 600	6000	7 700	1.12
62310-2RSR	50	110	40	2	—	95.1	68.3	61	99	2	62 000	38 000	2 600	4000	—	1.55
6410	50	130	31	2.1	108.4	—	81.6	64	116	2.1	81 500	52 000	3 400	12 000	7 200	1.96
61811-Y	55	72	9	0.3	66.5	—	60.6	57	70	0.3	9 000	8 500	375	11 000	8 000	0.084
61811-2RSR-Y	55	72	9	0.3	—	68.6	60.6	57	70	0.3	9 000	8 500	375	6000	—	0.084
61811-2Z-Y	55	72	9	0.3	—	68.6	60.6	57	70	0.3	9 000	8 500	375	9000	8 000	0.084
61911	55	80	13	1	72.3	—	62.6	59.6	75.4	1	16 600	14 000	700	19 000	7 500	0.18
61911-2RSR	55	80	13	1	—	74.2	62.6	59.6	75.4	1	16 600	14 000	700	5600	—	0.18
16011	55	90	11	0.6	78	—	67.1	58.2	86.8	0.6	19 300	16 300	780	18 000	6 200	0.266
6011	55	90	18	1.1	78.9	—	66.2	61	84	1	28 500	21 200	1 120	18 000	8 700	0.397
6011-2RSR	55	90	18	1.1	—	81.5	66.2	61	84	1	28 500	21 200	1 120	5000	—	0.41
6011-2Z	55	90	18	1.1	—	81.5	66.2	61	84	1	28 500	21 200	1 120	7500	8 300	0.409



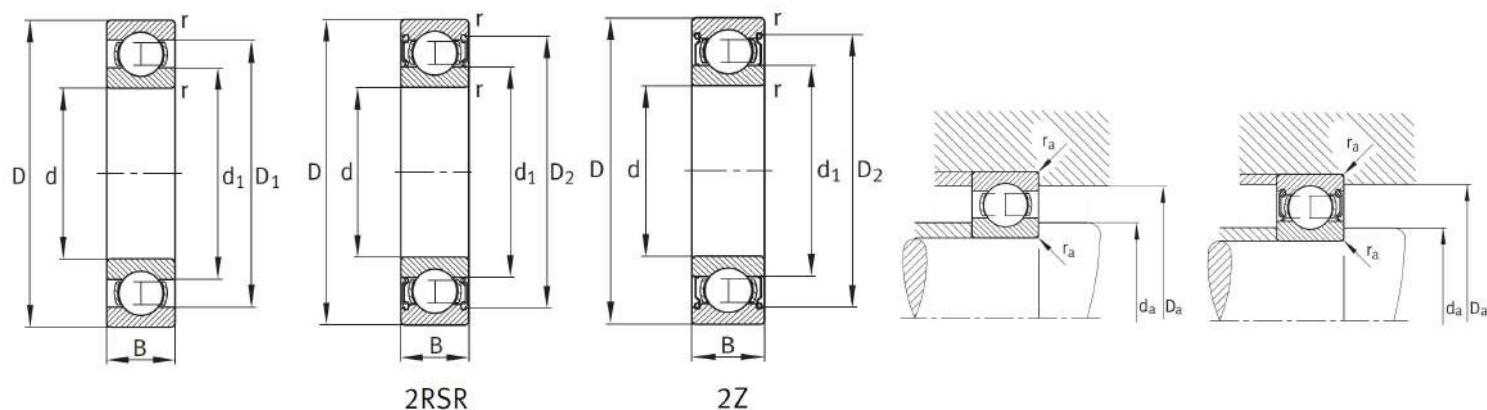
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6211	55	100	21	1.5	86.1	–	68.9	64	91	1.5	43 000	29 000	1 720	16 000	7 500	0.618
6211-2RSR	55	100	21	1.5	–	88.2	68.7	64	91	1.5	43 000	29 000	1 720	4300	–	0.632
6211-2Z	55	100	21	1.5	–	88.2	68.7	64	91	1.5	43 000	29 000	1 720	6700	7 500	0.632
6311	55	120	29	2	100.9	–	75.5	66	109	2	76 500	47 500	3 050	13 000	7 100	1.39
6311-2RSR	55	120	29	2	–	104.3	75.2	66	109	2	76 500	47 500	3 050	3600	–	1.43
6311-2Z	55	120	29	2	–	104.3	75.2	66	109	2	76 500	47 500	3 050	5300	7 100	1.43
6411	55	140	33	2.1	117.5	–	88.6	69	126	2.1	93 000	60 000	3 950	11 000	6 700	1.38
61812-Y	60	78	10	0.3	72.6	–	65.6	62	76	0.3	11 800	11 000	485	9500	8 000	0.105
61812-2RSR-Y	60	78	10	0.3	–	74.5	65.6	62	76	0.3	11 800	11 000	485	5600	–	0.105
61812-2Z-Y	60	78	10	0.3	–	74.5	65.6	62	76	0.3	11 800	11 000	485	8000	8 000	0.105
61912	60	85	13	1	77.3	–	67.6	64.6	80.4	1	16 300	14 300	700	18 000	6 900	0.19
61912-2RSR	60	85	13	1	–	79.2	67.6	64.6	80.4	1	16 300	14 300	700	5000	–	0.19
16012	60	95	11	0.6	82.9	–	72.1	63.2	91.8	0.6	20 000	17 600	820	17 000	5 700	0.283
6012	60	95	18	1.1	83.9	–	71.3	66	89	1	29 000	23 200	1 190	17 000	8 000	0.419
6012-2RSR	60	95	18	1.1	–	86	71.3	66	89	1	29 000	23 200	1 190	4500	–	0.432
6012-2Z	60	95	18	1.1	–	86	71.3	66	89	1	29 000	23 200	1 190	7000	8 000	0.431
6212	60	110	22	1.5	95.6	–	76.1	69	101	1.5	52 000	36 000	2 240	14 000	6 800	0.791
6212-2RSR	60	110	22	1.5	–	97.7	75.8	69	101	1.5	52 000	36 000	2 240	4000	–	0.809
6212-2Z	60	110	22	1.5	–	97.7	75.8	69	101	1.5	52 000	36 000	2 240	6000	6 800	0.807
6312	60	130	31	2.1	108.4	–	81.6	72	118	2.1	81 500	52 000	3 400	12 000	6 700	1.75
6312-2RSR	60	130	31	2.1	–	113.1	81.3	72	118	2.1	81 500	52 000	3 400	3400	–	1.79
6312-2Z	60	130	31	2.1	–	113.1	81.3	72	118	2.1	81 500	52 000	3 400	5000	6 700	1.79
6412	60	150	35	2.1	126.3	–	95.1	74	136	2.1	104 000	68 000	4 450	10 000	6 400	2.83
61813-Y	65	85	10	0.6	78.6	–	71.6	68.2	81.8	0.6	12 200	12 000	520	9000	7 000	0.13
61813-2RSR-Y	65	85	10	0.6	–	80.5	71.6	68.2	81.8	0.6	12 200	12 000	520	5000	–	0.13
61813-2Z-Y	65	85	10	0.6	–	80.5	71.6	68.2	81.8	0.6	12 200	12 000	520	7500	7 000	0.13
61913	65	90	13	1	82.3	–	72.6	69.6	85.4	1	20 000	17 600	860	17 000	6 400	0.2
16013	65	100	11	0.6	87.9	–	77.1	68.2	96.8	0.6	21 200	19 600	910	16 000	5 300	0.302
6013	65	100	18	1.1	88.8	–	76.2	71	94	1	30 500	25 000	1 270	15 000	7 500	0.448
6013-2RSR	65	100	18	1.1	–	91.5	76.2	71	94	1	30 500	25 000	1 270	4300	–	0.463



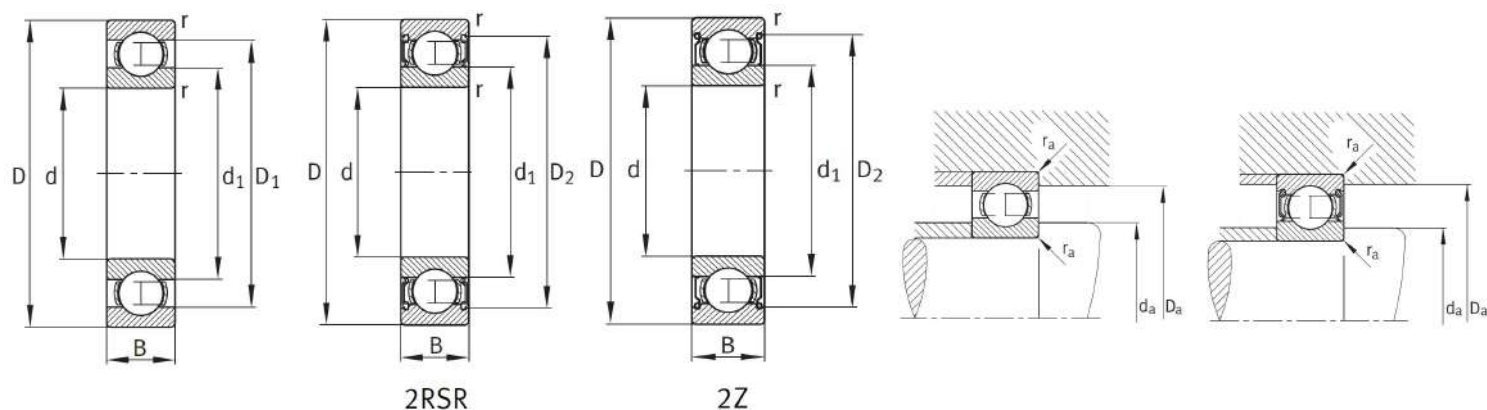
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6013-2Z	65	100	18	1.1	—	91.5	76.2	71	94	1	30 500	25 000	1 270	6300	7 500	0.464
6213	65	120	23	1.5	103.1	—	82.3	74	111	1.5	60 000	41 500	2 550	13 000	6 300	1
6213-2RSR	65	120	23	1.5	—	106.3	82	74	111	1.5	60 000	41 500	2 550	3600	—	1.03
6213-2Z	65	120	23	1.5	—	106.3	82	74	111	1.5	60 000	41 500	2 550	5300	6 300	1.03
6313	65	140	33	2.1	117.5	—	88.6	77	128	2.1	93 000	60 000	3 950	11 000	6 400	2.14
6313-2RSR	65	140	33	2.1	—	122.2	88.3	77	128	2.1	93 000	60 000	3 950	3000	—	2.18
6313-2Z	65	140	33	2.1	—	122.2	88.3	77	128	2.1	93 000	60 000	3 950	4500	6 400	2.18
6413	65	160	37	2.1	133.2	—	101.7	79	146	2.1	114 000	76 500	4 650	9500	6 100	3.49
61814-Y	70	90	10	0.6	83.6	—	76.6	73.2	86.8	0.6	12 500	12 500	540	8500	6 700	0.14
61814-2RSR-Y	70	90	10	0.6	—	85.5	76.6	73.2	86.8	0.6	12 500	12 500	540	4800	—	0.14
61814-2Z-Y	70	90	10	0.6	—	85.5	76.6	73.2	86.8	0.6	12 500	12 500	540	7000	6 700	0.14
61914	70	100	16	1	90.9	—	79.1	74.6	95.4	1	27 000	23 200	1 160	15 000	6 400	0.34
61914-2RSR	70	100	16	1	—	92.8	79.1	74.6	95.4	1	27 000	23 200	1 160	4300	—	0.34
16014	70	110	13	0.6	96.2	—	83.7	73.2	106.8	0.6	28 000	25 000	1 230	14 000	5 300	0.438
6014	70	110	20	1.1	97.3	—	82.8	76	104	1	38 000	31 000	1 850	14 000	7 200	0.622
6014-2Z	70	110	20	1.1	—	100	82.8	76	104	1	38 000	31 000	1 850	6000	7 200	0.642
6214	70	125	24	1.5	108	—	87.1	79	116	1.5	62 000	44 000	2 900	12 000	6 100	1.09
6214-2RSR	70	125	24	1.5	—	110.7	86.8	79	116	1.5	62 000	44 000	2 900	3400	—	1.11
6214-2Z	70	125	24	1.5	—	110.7	86.8	79	116	1.5	62 000	44 000	2 900	5000	6 100	1.11
6314	70	150	35	2.1	126.3	—	95.1	82	138	2.1	104 000	68 000	4 450	10 000	6 100	2.55
6314-2RSR	70	150	35	2.1	—	130.2	94.8	82	138	2.1	104 000	68 000	4 450	2800	—	2.6
6314-2Z	70	150	35	2.1	—	130.2	94.8	82	138	2.1	104 000	68 000	4 450	4300	6 100	2.6
6414	70	180	42	3	151.6	—	114.4	86	164	2.5	132 000	96 500	5 800	8500	5 700	5.06
61815-Y	75	95	10	0.6	88.7	—	81.6	78.2	91.8	0.6	12 900	13 400	690	8000	6 000	0.15
61815-2RSR-Y	75	95	10	0.6	—	90.5	81.6	78.2	91.8	0.6	12 900	13 400	690	4500	—	0.15
61815-2Z-Y	75	95	10	0.6	—	90.5	81.6	78.2	91.8	0.6	12 900	13 400	690	6700	6 000	0.15
61915	75	105	16	1	96.2	—	84.1	79.6	100.4	1	24 500	22 400	1 100	14 000	6 700	0.356
61915-2RSR	75	105	16	1	—	98.2	84.1	79.6	100.4	1	24 500	22 400	1 100	4000	—	0.356
16015	75	115	13	0.6	101.2	—	88.7	78.2	111.8	0.6	28 500	27 000	1 290	13 000	4 900	0.463
6015	75	115	20	1.1	102.6	—	88.1	81	109	1	39 000	33 500	1 960	13 000	6 700	0.654



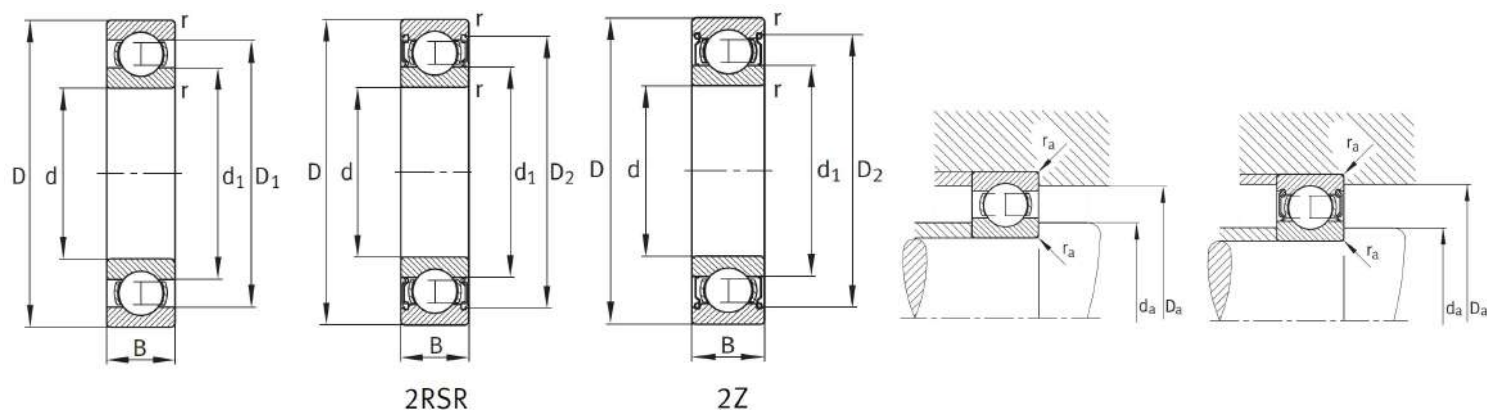
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6015-2RSR	75	115	20	1.1	—	105.3	88.1	81	109	1	39 000	33 500	1 960	3800	—	0.678
6015-2Z	75	115	20	1.1	—	105.3	88.1	81	109	1	39 000	33 500	1 960	5600	6 700	0.676
6215	75	130	25	1.5	112.8	—	92.5	84	121	1.5	65 500	49 000	3 350	11 000	5 900	1.19
6215-2RSR	75	130	25	1.5	—	115.5	92.1	84	121	1.5	65 500	49 000	3 350	3200	—	1.22
6215-2Z	75	130	25	1.5	—	115.5	92.1	84	121	1.5	65 500	49 000	3 350	4800	5 900	1.21
6315	75	160	37	2.1	133.2	—	101.8	87	148	2.1	114 000	76 500	4 650	9500	5 800	3.18
6315-2RSR	75	160	37	2.1	—	137.2	101.8	87	148	2.1	114 000	76 500	4 650	2600	—	3.18
6315-2Z	75	160	37	2.1	—	137.2	101.4	87	148	2.1	114 000	76 500	4 650	4000	5 800	3.23
6415-M	75	190	45	3	151.6	—	114.4	91	174	2.5	132 000	96 500	5 800	8500	5 600	7
61816-Y	80	100	10	0.6	93.7	—	86.6	83.2	96.8	0.6	12 900	13 700	600	7500	5 600	0.155
61816-2RSR-Y	80	100	10	0.6	—	95.5	86.6	83.2	96.8	0.6	12 900	13 700	600	4300	—	0.155
61816-2Z-Y	80	100	10	0.6	—	95.5	86.6	83.2	96.8	0.6	12 900	13 700	600	6300	5 600	0.155
61916	80	110	16	1	100.8	—	89.1	84.6	105.4	1	25 000	24 000	1 160	13 000	6 300	0.379
16016	80	125	14	0.6	110.7	—	96.9	83.2	121.8	0.6	32 000	31 000	1 510	13 000	4 700	0.609
6016	80	125	22	1.1	111	—	94	86	119	1	47 500	40 000	2 340	12 000	6 500	0.845
6016-2Z	80	125	22	1.1	—	113.7	93.7	86	119	1	47 500	40 000	2 340	5000	6 500	0.893
6216	80	140	26	2	121.3	—	98.8	91	129	2	72 000	54 000	3 450	11 000	5 500	1.46
6216-2Z	80	140	26	2	—	124.5	98.5	91	129	2	72 000	54 000	3 450	4500	5 500	1.49
6316	80	170	39	2.1	141.8	—	108.6	92	158	2.1	122 000	86 500	5 200	9000	5 500	3.75
6316-2RSR	80	170	39	2.1	—	145.5	108.6	92	158	2.1	122 000	86 500	5 200	2600	—	3.75
6316-2Z	80	170	39	2.1	—	145.5	108.2	92	158	2.1	122 000	86 500	5 200	3800	5 500	3.82
6416-M	80	200	48	3	162.1	—	117.9	96	184	2.5	163 000	125 000	6 900	7500	5 400	8.29
61817-Y	85	110	13	1	101.7	—	93.2	89.6	105.4	1	19 300	20 000	960	6700	6 000	0.27
61817-2RSR-Y	85	110	13	1	—	104.2	93.2	89.6	105.4	1	19 300	20 000	960	3800	—	0.27
61817-2Z-Y	85	110	13	1	—	104.2	93.2	89.6	105.4	1	19 300	20 000	960	5600	6 000	0.27
16017	85	130	14	0.6	113.8	—	101.6	88.2	126.8	0.6	34 000	33 500	1 570	12 000	4 400	0.666
6017	85	130	22	1.1	116	—	99.6	91	124	1	49 000	43 000	2 430	11 000	6 100	0.917
6017-2RSR	85	130	22	1.1	—	119.2	99.6	91	124	1	49 000	43 000	2 430	3200	—	0.917
6017-2Z	85	130	22	1.1	—	119.2	99.2	91	124	1	49 000	43 000	2 430	4800	6 100	0.94
6217	85	150	28	2	129.7	—	106.2	96	139	2	83 000	64 000	4 050	10 000	5 300	1.87



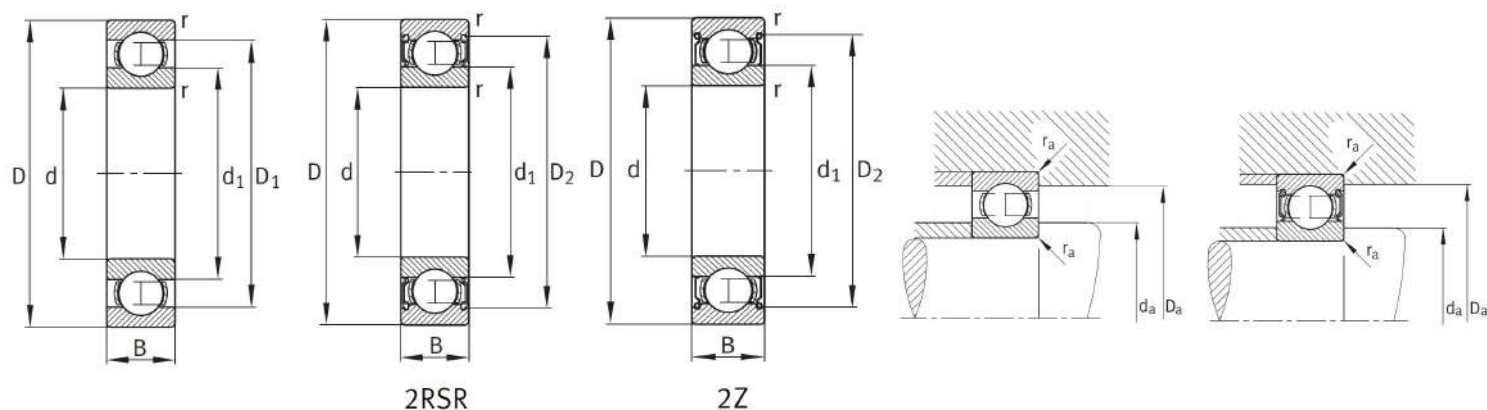
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6217-2RSR	85	150	28	2	—	133.8	106.2	96	139	2	83 000	64 000	4 050	2800	—	1.87
6217-2Z	85	150	28	2	—	133.8	106.2	96	139	2	83 000	64 000	4 050	4300	5 300	1.91
6317	85	180	41	3	151.6	—	114.4	99	166	2.5	132 000	96 500	5 800	8000	5 300	4.25
6317-2RSR	85	180	41	3	—	154.9	114.4	99	166	2.5	132 000	96 500	5 800	2400	—	4.25
6317-2Z	85	180	41	3	—	154.9	114	99	166	2.5	132 000	96 500	5 800	3400	5 300	4.33
6417-M	85	210	52	4	173	—	123.4	105	190	3	173 000	137 000	7 500	7000	5 300	9.6
61818-Y	90	115	13	1	106.7	—	98.2	94.6	110.4	1	19 600	20 400	990	6300	5 600	0.28
61818-2RSR-Y	90	115	13	1	—	109.2	98.2	94.6	110.4	1	19 600	20 400	990	3600	—	0.28
61818-2Z-Y	90	115	13	1	—	109.2	98.2	94.6	110.4	1	19 600	20 400	990	5300	5 600	0.28
16018	90	140	16	1	122.7	—	107.6	94.6	135.4	1	41 500	39 000	1 870	11 000	4 400	0.866
6018	90	140	24	1.5	123.7	—	106.6	97	133	1.5	58 500	50 000	2 650	11 000	6 000	1.21
6018-2RSR	90	140	24	1.5	—	126.8	106.6	97	133	1.5	58 500	50 000	2 650	3000	—	1.21
6018-2Z	90	140	24	1.5	—	126.8	106.2	97	133	1.5	58 500	50 000	2 650	4500	6 000	1.23
6218	90	160	30	2	139.4	—	112.3	101	149	2	96 500	72 000	4 200	9000	5 100	2.21
6218-2RSR	90	160	30	2	—	143.4	112.3	101	149	2	96 500	72 000	4 200	2600	—	2.21
6218-2Z	90	160	30	2	—	143.4	112.3	101	149	2	96 500	72 000	4 200	3800	5 100	2.26
6318	90	190	43	3	157.1	—	123.8	104	176	2.5	134 000	102 000	5 800	8000	5 100	5.43
6318-2RSR	90	190	43	3	—	160.7	123.8	104	176	2.5	134 000	102 000	5 800	2200	—	5.43
6318-2Z	90	190	43	3	—	160.7	123.3	104	176	2.5	134 000	102 000	5 800	3400	5 100	5.53
6418-M	90	225	54	4	184	—	132.2	110	205	3	196 000	163 000	8 900	6700	4 900	11.7
61819-Y	95	120	13	1	112	—	103.2	99.6	115.4	1	20 000	21 200	1 100	6300	5 300	0.295
61819-2RSR-Y	95	120	13	1	—	114.2	103.2	99.6	115.4	1	20 000	21 200	1 100	3400	—	0.295
61819-2Z-Y	95	120	13	1	—	114.2	103.2	99.6	115.4	1	20 000	21 200	1 100	5300	5 300	0.295
16019	95	145	16	1	128.3	—	113.8	99.6	140.4	1	40 000	40 500	1 990	11 000	4 200	0.922
6019	95	145	24	1.5	129	—	111	102	138	1.5	60 000	54 000	2 800	10 000	5 800	1.27
6019-2RSR	95	145	24	1.5	—	131.8	111	102	138	1.5	60 000	54 000	2 800	2800	—	1.27
6219	95	170	32	2.1	146.6	—	118.3	107	158	2.1	108 000	81 500	4 700	8500	4 950	2.73
6219-2RSR	95	170	32	2.1	—	150.9	118.3	107	158	2.1	108 000	81 500	4 700	2400	—	2.73
6219-2Z	95	170	32	2.1	—	150.9	118.3	107	158	2.1	108 000	81 500	4 700	3600	4 950	2.79
6319	95	200	45	3	166.9	—	129.1	109	186	2.5	146 000	114 000	6 400	7500	4 950	6.23



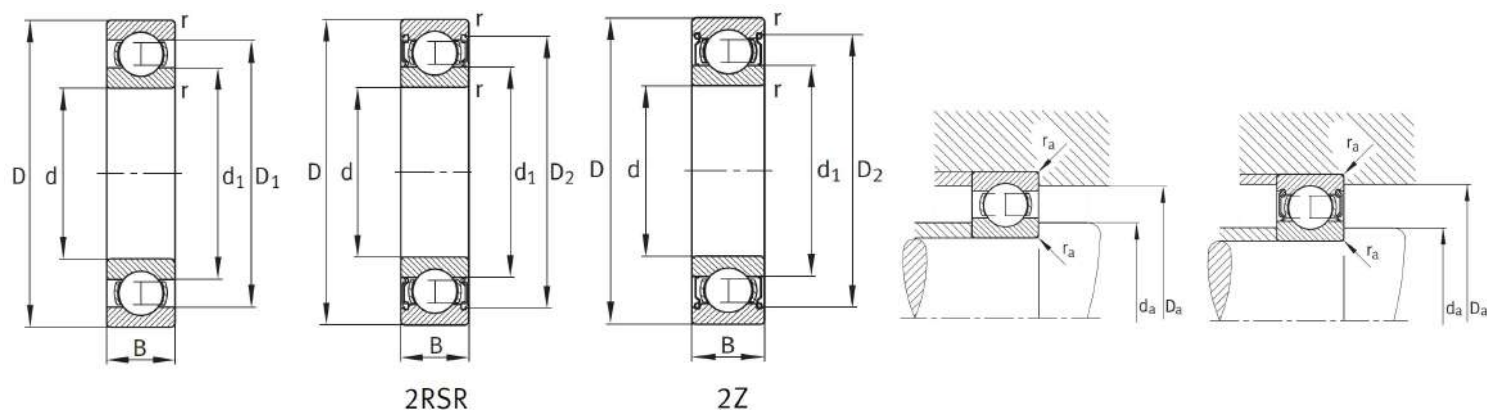
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6319-2Z	95	200	45	3	—	170.4	128.7	109	186	2.5	146 000	114 000	6 400	3200	4 950	7.14
61820-Y	100	125	13	1	116.7	—	108.2	104.6	120.4	1	20 000	22 000	1 010	6000	5 000	0.31
61820-2RSR-Y	100	125	13	1	—	119.2	108.2	104.6	120.4	1	20 000	22 000	1 010	3400	—	0.31
61820-2Z-Y	100	125	13	1	—	119.2	108.2	104.6	120.4	1	20 000	22 000	1 010	5000	5 000	0.31
16020	100	150	16	1	132.7	—	117.6	104.6	145.4	1	44 000	44 000	1 990	10 000	4 000	0.956
6020	100	150	24	1.5	134	—	116.6	107	143	1.5	60 000	54 000	2 700	9500	5 400	1.32
6020-2RSR	100	150	24	1.5	—	137.3	116.6	107	143	1.5	60 000	54 000	2 700	2800	—	1.32
6020-2Z	100	150	24	1.5	—	137.3	116.2	107	143	1.5	60 000	54 000	2 700	4000	5 400	1.35
6220	100	180	34	2.1	154.8	—	124.7	112	168	2.1	122 000	93 000	5 400	8000	4 800	3.3
6220-2RSR	100	180	34	2.1	—	158.9	124.7	112	168	2.1	122 000	93 000	5 400	2400	—	3.3
6220-2Z	100	180	34	2.1	—	158.9	124.7	112	168	2.1	122 000	93 000	5 400	3400	4 800	3.36
6320	100	215	47	3	179	—	138.6	114	201	2.5	163 000	134 000	7 400	7000	4 650	7.67
6320-2Z	100	215	47	3	—	184.6	138.1	114	201	2.5	163 000	134 000	7 400	3000	4 650	7.78
61821-Y	105	130	13	1	121.7	—	113.2	109.6	125.4	1	20 800	23 600	1 060	5600	4 800	0.33
61821-2RSR-Y	105	130	13	1	—	124.2	113.2	109.6	125.4	1	20 800	23 600	1 060	3200	—	0.33
61821-2Z-Y	105	130	13	1	—	124.2	113.2	109.6	125.4	1	20 800	23 600	1 060	4800	4 800	0.33
16021	105	160	18	1	141.2	—	124.2	109.6	155.4	1	54 000	54 000	2 390	9500	3 950	1.24
6021	105	160	26	2	142.4	—	122.1	113.8	151.2	2	71 000	64 000	3 100	9000	5 300	1.67
6021-2Z	105	160	26	2	—	145.3	121.7	113.8	151.2	2	71 000	64 000	3 100	3800	5 300	1.7
6221	105	190	36	2.1	163.2	—	131.9	117	178	2.1	132 000	104 000	5 700	7500	4 650	3.88
6221-2Z	105	190	36	2.1	—	168.1	131.5	117	178	2.1	132 000	104 000	5 700	3200	4 650	3.99
6321	105	225	49	3	187	—	144.5	119	211	2.5	173 000	146 000	7 500	6700	4 500	8.7
61822-Y	110	140	16	1	130.3	—	119.7	114.6	135.4	1	28 000	30 500	1 320	5000	5 000	0.5
61822-2RSR-Y	110	140	16	1	—	133.3	119.7	114.6	135.4	1	28 000	30 500	1 320	3000	—	0.5
61822-2Z-Y	110	140	16	1	—	133.3	119.7	114.6	135.4	1	28 000	30 500	1 320	4300	5 000	0.5
16022	110	170	19	1	149.5	—	130.7	114.6	165.4	1	57 000	57 000	2 800	9000	3 850	1.52
6022	110	170	28	2	150.9	—	129.2	118.8	161.2	2	80 000	71 000	3 450	8500	5 200	2.06
6022-2RSR	110	170	28	2	—	155	129.2	118.8	161.2	2	80 000	71 000	3 450	2400	—	2.06
6022-2Z	110	170	28	2	—	155	128.7	118.8	161.2	2	80 000	71 000	3 450	3600	5 200	2.11
6222	110	200	38	2.1	171.6	—	138.5	122	188	2.1	143 000	116 000	6 300	7000	4 550	4.64



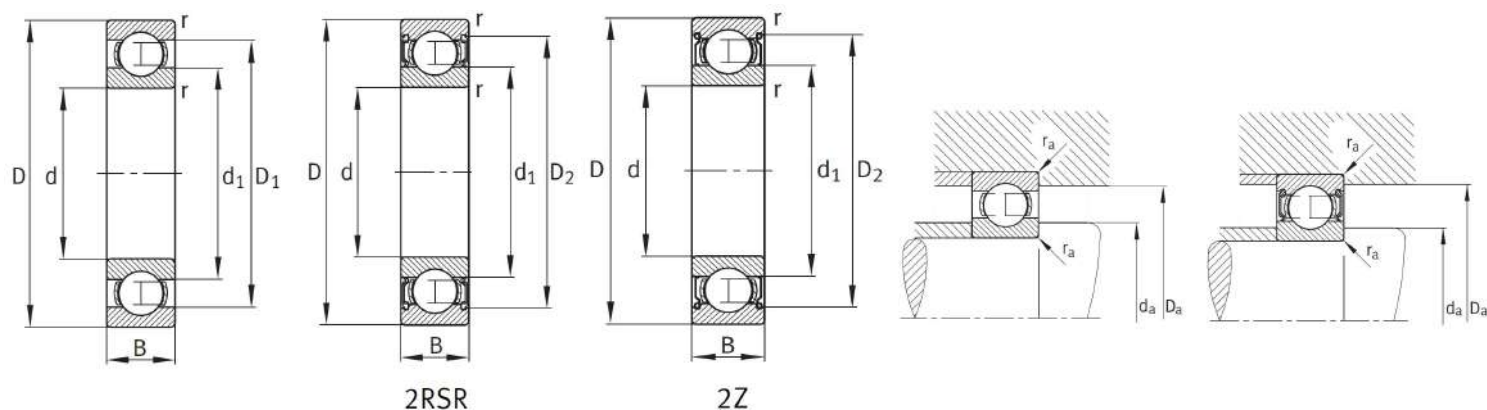
Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6222-ZZ	110	200	38	2.1	—	177.2	138	122	188	2.1	143 000	116 000	6 300	3000	4 550	4.8
6322	110	240	50	3	197.4	—	153.4	124	226	2.5	190 000	166 000	8 600	6300	4 150	10.3
6322-2RSR	110	240	50	3	—	203.1	153.4	124	226	2.5	190 000	166 000	8 600	1800	—	10.3
6322-ZZ	110	240	50	3	—	203.1	152.9	124	226	2.5	190 000	166 000	8 600	2600	4 150	10.5
61824-Y	120	150	16	1	140.6	—	129.7	124.6	145.4	1	29 000	32 500	1370	4800	4 500	0.55
61824-ZZ-Y	120	150	16	1	—	143.3	129.7	124.6	145.4	1	29 000	32 500	1370	4000	4 500	0.55
16024	120	180	19	1	159.5	—	140.7	124.6	175.4	1	61 000	64 000	3000	8000	3 550	1.62
6024	120	180	28	2	161.2	—	139.9	128.8	171.2	2	83 000	78 000	3550	8000	4 750	2.18
6024-2RSR	120	180	28	2	—	165.4	139.9	128.8	171.2	2	83 000	78 000	3550	2200	—	2.18
6024-ZZ	120	180	28	2	—	165.4	139.4	128.8	171.2	2	83 000	78 000	3550	3400	4 750	2.23
6224	120	215	40	2.1	184.9	—	151.6	132	203	2.1	146 000	122 000	6200	6700	4 300	5.62
6224-ZZ	120	215	40	2.1	—	190.5	151.6	132	203	2.1	146 000	122 000	6200	2800	4 300	5.62
6324	120	260	55	3	214.9	—	165.1	134	246	2.5	212 000	190 000	9000	6000	3 850	12.8
61826	130	165	18	1.1	153.8	—	141.3	136	159	1	38 000	43 000	1690	8500	4 500	0.803
16026	130	200	22	1.1	176.7	—	154.7	136	194	1	78 000	81 500	3650	7500	3 450	2.41
6026	130	200	33	2	177.9	—	153.3	138.8	191.2	2	106 000	100 000	4850	7000	4 650	3.42
6026-2RSR	130	200	33	2	—	182.1	153.3	138.8	191.2	2	106 000	100 000	4850	2000	—	3.42
6026-ZZ	130	200	33	2	—	182.1	152.9	138.8	191.2	2	106 000	100 000	4850	3000	4 650	3.4
6226	130	230	40	3	198.6	—	161.4	144	216	2.5	166 000	146 000	7500	6300	3 900	6.24
6226-ZZ	130	230	40	3	—	203.5	161.4	144	216	2.5	166 000	146 000	7500	2600	3 900	6.24
6326-M	130	280	58	4	231.2	—	178.9	147	263	3	228 000	216 000	9800	5600	3 500	18.3
61828-Y	140	175	18	1.1	163.7	—	151.3	146	169	1	39 000	46 500	1750	4000	4 000	0.86
16028	140	210	22	1.1	186.6	—	164.8	146	204	1	80 000	86 500	3700	7000	3 200	2.55
6028	140	210	33	2	187.5	—	162.3	148.8	201.2	2	108 000	108 000	4950	6700	4 350	3.57
6028-ZZ	140	210	33	2	—	191.3	161.9	148.8	201.2	2	108 000	108 000	4950	2800	4 350	3.65
6228	140	250	42	3	213.7	—	175.9	154	236	2.5	176 000	166 000	8100	6000	3 600	8.07
6328-M	140	300	62	4	248.7	—	191.3	157	283	3	255 000	245 000	11 100	5300	3 250	22.3
61830	150	190	20	1.1	177.9	—	162.7	156	184	1	51 000	60 000	2420	7500	4 000	1.16
16030	150	225	24	1.1	199.6	—	176	156	219	1	91 500	98 000	3650	6700	3 100	3.17
6030	150	225	35	2.1	201.4	—	174.4	160.2	214.8	2.1	122 000	125 000	5400	6300	3 850	4.32



Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6230	150	270	45	3	229.1	—	191.6	164	256	2.5	176 000	170 000	7800	5600	3 350	10.3
6330-M	150	320	65	4	266.1	—	205.6	167	303	3	280 000	290 000	13 100	4800	3 000	26.5
61832	160	200	20	1.1	187.3	—	172.7	166	194	1	52 000	62 000	2430	7000	3 800	1.26
16032	160	240	25	1.5	212.4	—	187.3	167	233	1.5	102 000	114 000	4600	6300	2 950	3.8
6032-M	160	240	38	2.1	214.6	—	186.2	170.2	229.8	2.1	134 000	137 000	5800	6300	3 750	6.16
6032-2RSR	160	240	38	2.1	—	219.7	186.2	170.2	229.8	2.1	134 000	137 000	5800	1700	—	6.16
6232-M	160	290	48	3	244.8	—	205	174	276	2.5	200 000	204 000	8900	5600	3 100	14.7
6332-M	160	340	68	4	280.9	—	219.7	177	323	3	300 000	325 000	14 000	4300	2 800	31.8
61834	170	215	22	1.1	200.8	—	184.9	176	209	1	61 000	73 500	2850	6700	3 600	1.64
16034	170	260	28	1.5	228.6	—	202.3	177	253	1.5	122 000	137 000	5400	6000	2 850	5.15
6034	170	260	42	2.1	231.2	—	199.4	180.2	249.8	2.1	170 000	173 000	7400	5600	3 550	7.13
6234-M	170	310	52	4	260.7	—	219.1	187	293	3	212 000	224 000	9400	5300	2 950	18.3
6334-M	170	360	72	4	298	—	232.6	187	343	3	325 000	365 000	14 700	4000	2 600	37.3
61836	180	225	22	1.1	211.4	—	194.4	186	219	1	62 000	76 500	2850	6300	3 400	1.77
16036	180	280	31	2	238.8	—	211.9	188.8	271.2	2	132 000	146 000	5200	5600	2 800	6.92
6036-M	180	280	46	2.1	249.3	—	211.8	190.2	269.8	2.1	190 000	200 000	8200	5600	3 300	10.6
6236-M	180	320	52	4	272	—	228.7	197	303	3	224 000	245 000	10 300	4800	2 750	19
6336-M	180	380	75	4	317	—	245.2	197	363	3	355 000	405 000	16 300	3800	2 440	43
61838	190	240	24	1.5	223.8	—	206.1	197	233	1.5	69 500	85 000	3300	6000	3 200	2.24
16038	190	290	31	2	255.1	—	225.8	198.8	281.2	2	150 000	166 000	6300	5300	2 650	7.04
6038-M	190	290	46	2.1	257.9	—	222.6	200.2	279.8	2.1	196 000	212 000	8500	5300	3 150	11.3
6238-M	190	340	55	4	291.5	—	239.9	207	323	3	255 000	280 000	11 600	4300	2 600	22.6
6338-M	190	400	78	5	330.5	—	260.2	210	380	4	375 000	440 000	17 500	3600	2 300	50.4
61840	200	250	24	1.5	234.4	—	216.2	207	243	1.5	69 500	88 000	3350	6000	3 000	2.31
16040	200	310	34	2	276.4	—	244.5	208.8	301.2	2	176 000	204 000	7300	4800	2 550	9
6040-M	200	310	51	2.1	276.3	—	234.8	210.2	299.8	2.1	216 000	245 000	9600	4800	3 000	14.4
6240-M	200	360	58	4	306.5	—	254.9	217	343	3	270 000	310 000	12 400	4000	2 430	27
6340-M	200	420	80	5	345.9	—	274.7	220	400	4	380 000	465 000	18 000	3400	2 170	56.6
61844	220	270	24	1.5	254.4	—	236.1	227	263	1.5	73 500	96 500	3550	5600	2 600	2.6
16044	220	340	37	2.1	298.1	—	262.8	230.2	329.8	2.1	200 000	240 000	8400	4300	2 310	11.8



Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
6044-M	220	340	56	3	303.1	—	258.1	232.4	327.6	2.5	245 000	290 000	11 100	4000	2 700	18.8
6244-M	220	400	65	4	337.6	—	282.2	237	383	3	300 000	355 000	13 500	3600	2 200	37.9
6344-M	220	460	88	5	383	—	299.4	240	440	4	440 000	560 000	20 000	3200	1 960	73.7
61848	240	300	28	2	280.7	—	260	248.8	291.2	2	91 500	120 000	4200	4800	2 400	3.93
16048	240	360	37	2.1	317.4	—	283.1	250.2	349.8	2.1	204 000	255 000	8500	3800	2 100	12.7
6048-M	240	360	56	3	321.9	—	278.8	252.4	347.6	2.5	255 000	315 000	11 400	3800	2 450	20.5
6248-M	240	440	72	4	369.6	—	309.9	257	423	3	360 000	475 000	16 700	3400	1 980	51.3
6348-M	240	500	95	5	411.3	—	328.7	260	480	4	465 000	620 000	21 800	3000	1 800	96.4
61852	260	320	28	2	300.7	—	279.6	268.8	311.2	2	96 500	132 000	4550	4300	2 200	4.23
16052	260	400	44	3	351.2	—	310	272.4	387.6	2.5	236 000	310 000	9900	3600	1 960	19.1
6052-M	260	400	65	4	357	—	304.6	274.6	385.4	3	300 000	390 000	13 300	3400	2 260	29.8
6252-M	260	480	80	5	402.4	—	337.3	280	460	4	405 000	560 000	19 200	3000	1 820	68.4
61856	280	350	33	2	328.1	—	302.7	288.8	341.2	2	129 000	176 000	5800	3800	2 000	6.34
16056-M	280	420	44	3	370.6	—	329.9	292.4	407.6	2.5	240 000	325 000	10 100	3400	1 800	23.2
6056-M	280	420	65	4	377.5	—	324.1	294.6	405.4	3	320 000	440 000	14 400	3400	2 060	31.7
6256-M	280	500	80	5	423	—	356.7	291	489	4	425 000	600 000	20 300	3000	1 690	72.9
61860-M	300	380	38	2.1	354.7	—	326.2	310.2	369.8	2.1	153 000	204 000	6300	3600	2 000	8.97
16060-M	300	460	50	4	404	—	357.3	314.6	445.4	3	300 000	430 000	12 700	3200	1 670	32.6
6060-M	300	460	74	4	410.8	—	350.8	314.6	445.4	3	365 000	510 000	16 700	3000	1 930	44.5
61864-M	320	400	38	2.1	373.8	—	347	330.2	389.8	2.1	156 000	220 000	6500	3400	1 710	11.3
16064-M	320	480	50	4	423.1	—	377.7	334.6	465.4	3	305 000	455 000	13 000	3000	1 550	34.9
6064-M	320	480	74	4	430.8	—	370.9	334.6	465.4	3	380 000	560 000	17 400	3000	1 790	47.4
61868-M	340	420	38	2.1	394.2	—	366.7	350.2	409.8	2.1	156 000	220 000	6600	3200	1 590	12
16068-M	340	520	57	4	457.1	—	403.6	354.6	505.4	3	355 000	550 000	17 800	2800	1 460	47.5
6068-M	340	520	82	5	469.6	—	402.3	358	502	4	440 000	695 000	20 800	2800	1 660	63.2
61872-M	360	440	38	2.1	413	—	387.7	370.2	429.8	2.1	160 000	236 000	6900	3200	1 480	12.8
16072-M	360	540	57	4	478.1	—	423.5	374.6	525.4	3	365 000	585 000	15 700	2800	1 370	49.4
6072-M	360	540	82	5	489	—	423.7	378	522	4	455 000	735 000	21 500	2600	1 560	66.2
61876-M	380	480	46	2.1	445.9	—	414.1	390.2	469.8	2.1	220 000	320 000	8900	3000	1 430	20.6
16076-M	380	560	57	4	498	—	443.5	394.6	545.4	3	375 000	620 000	16 100	2600	1 290	51.7



Bearing designation	Dimensions (mm)										Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	da	Da	ra	C _r	C _{or}	Cur	nG	nB	m
				min.	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
61880-M	400	500	46	2.1	467.3	–	433.7	410.2	489.8	2.1	220 000	335 000	8800	2800	1 300	21.5
61884-M	420	520	46	2.1	485.8	–	454.3	430.2	509.8	2.1	224 000	345 000	9200	2800	1 260	22.8
61888-M	440	540	46	2.1	505.9	–	474.2	450.2	529.8	2.1	228 000	355 000	9400	2600	1 190	23.8
61892-M	460	580	56	3	540.9	–	500.2	472.4	567.6	2.5	290 000	480 000	12 000	2400	1 170	35.8
61896-M	480	600	56	3	560.9	–	520.3	492.4	587.6	2.5	290 000	500 000	12 100	2200	1 110	37.3
618/500-M	500	620	56	3	580.9	–	540.4	512.4	607.6	2.5	300 000	510 000	12 300	2000	1 060	38.7
618/530-M	530	650	56	3	610.8	–	570.4	542.4	637.6	2.5	305 000	550 000	12 800	2000	980	41.3
618/560-M	560	680	56	3	640.7	–	600.4	572.4	667.6	2.5	310 000	560 000	12 800	1900	930	35.1
618/600-M	600	730	60	3	687.8	–	643.6	612.4	717.6	2.5	355 000	670 000	15 000	1800	850	54.2
618/630-M	630	780	69	4	730.5	–	681.1	644.6	765.4	3	400 000	780 000	17 500	1600	830	75.9
618/670-M	670	820	69	4	770.3	–	721.1	684.6	805.4	3	405 000	815 000	17 700	1500	760	80.4
618/710-M	710	870	74	4	818.9	–	762.7	724.6	855.4	3	465 000	980 000	20 000	1400	720	96
618/750-M	750	920	78	5	864.9	–	806.7	768	902	4	510 000	1120000	22 600	1300	680	114
618/800-M	800	980	82	5	921.8	–	860	818	962	4	550 000	1270000	23 800	1300	630	136
618/850-M	850	1 030	82	5	971.9	–	910	868	1012	4	560 000	1290000	23 900	1200	580	144



Shaanxi Gainhui Heavy Industries Co., Ltd.
Bearing Manufacturer And Supplier In China

BECAUSE WE ARE FOCUSED WE ARE PROFESSIONAL

We are committed to providing competitive bearing products and OEM services to global customers.



Founded in 2009, Shaanxi Gainhui Heavy Industries Co., Ltd. covers an area of 16,000 square meters, which is a professional bearing manufacturer and distributor in China. The company is committed to the design, manufacture and service of precision bearings, focusing on providing customers with reliable bearing products and cost-effective technical solutions.

The company adopts advanced production equipment and testing equipment, is equipped with a professional quality testing department, formulates a complete quality management system, and specializes in the production of high-precision, low-noise, and long-life bearings. Shaanxi Gainhui Heavy Industries Co., Ltd. insists on quality as the core, innovation as the driving force, promotes development through service, and sincerely provides services to customers all over the world.



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