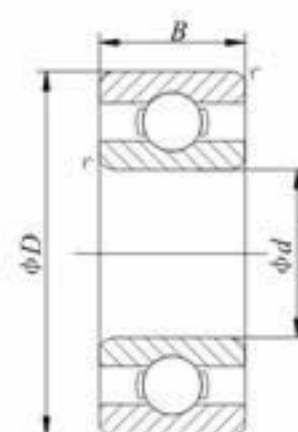


d 1.5~5mm

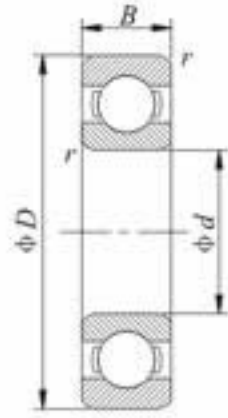
Boundary dimensions (mm)					Basic load ratings (N)		Limiting speeds (r/min)		Bearing numbers		Mounting dimensions (mm)				Reference mass (g)
d	D	B	B_1	r Min	C_r	C_{90}	Grease	Oil			d_s Min	d_s Max	D_s Max	r_s Max	Open
1.5	4	1.2	2	0.15	102	29	88,000	100,000	68/1.5 69/1.5A 60/1.5		2.3	2.4	3.2	0.05	0.07
	5	2	2.6	0.15	171	51	79,000	93,000			2.7	2.9	3.8	0.05	0.18
	6	2.5	3	0.15	274	86	71,000	84,000			2.7	3	4.8	0.15	0.35
2	4	1.2	2	0.05	104	37	83,000	98,000	672 682 692		2.5	2.6	3.5	0.05	0.06
	5	1.5	2.3	0.08	171	51	74,000	87,000			2.8	2.9	4.2	0.08	0.13
	6	2.3	3	0.15	279	89	67,000	79,000			3.2	3.3	4.8	0.15	0.31
	7	2.8	3.5	0.15	380	125	62,000	73,000	602		3.2	3.7	5.8	0.15	0.54
2.5	5	1.5	2.3	0.08	153	59	70,000	82,000	67/2.5 68/2.5 69/2.5		3.1	3.3	4.4	0.08	0.11
	6	1.8	2.6	0.08	209	73	65,000	76,000			3.1	3.6	4.8	0.08	0.22
	7	2.5	3.5	0.15	284	96	59,000	70,000			3.7	4	5.8	0.15	0.43
	8	2.8	4	0.15	550	174	56,000	66,000	60/2.5		3.7	4.1	6.8	0.15	0.72
3	6	2	2.5	0.08	242	94	60,000	71,000	673 683 693		3.6	4.1	5.4	0.08	0.2
	7	2	3	0.1	390	130	58,000	68,000			3.9	4.1	5.8	0.1	0.33
	8	3	4	0.15	560	180	54,000	63,000			4.2	4.4	6.8	0.15	0.61
	9	3	5	0.15	635	219	50,000	59,000	603 623		4.2	5	7.8	0.15	0.92
	10	4	4	0.15	640	224	50,000	58,000			4.2	5.2	8.8	0.15	1.6
4	9	2.5	4	0.15	640	224	49,000	57,000	684 694 604		5	5.2	7.8	0.1	0.76
	11	4	4	0.15	715	276	45,000	52,000			5.2	6.4	9.8	0.15	2.0
	12	4	4	0.2	970	360	43,000	51,000			5.6	6.6	10.4	0.2	2.3
	13	5	5	0.2	1,310	490	42,000	49,000	624 634		5.6	6.2	11.4	0.2	3.5
	16	5	5	0.3	1,760	680	37,000	44,000			6	7.6	14	0.3	5.1
5	8	2	2.5	0.08	217	91	49,000	57,000	675 685 695		5.6	6	7.4	0.08	0.32
	11	3	5	0.15	715	282	43,000	51,000			6.2	6.8	9.8	0.15	1.1
	13	4	4	0.2	1,080	430	40,000	47,000			6.6	6.9	11.4	0.2	2.4
	14	5	5	0.2	1,330	505	39,000	46,000	605 625 635		6.6	7.4	12.4	0.2	3.5
	16	5	5	0.3	1,760	680	37,000	44,000			7	7.6	14	0.3	4.8
	19	6	6	0.3	2,340	885	34,000	40,000			7	9.5	17	0.3	8.0

Remarks: open width is B, and shielded is B1.


 B_1
 d 6~9 mm

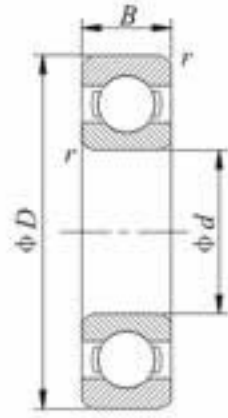
Boundary dimensions (mm)					Basic load ratings (N)		Limiting speeds (r/min)		Bearing numbers		Mounting dimensions (mm)				Reference mass (g)
d	D	B	B_1	r Min	C_r	C_{90}	Grease	Oil			d_s Min	d_s Max	D_s Max	r_s Max	
6	13	3.5	5	0.15	1,080	440	39,000	46,000	686		7	7.2	11.8	0.15	1.9
	15	5	5	0.2	1,350	530	37,000	44,000	696		7.6	7.8	13.4	0.2	3.8
	17	6	6	0.3	2,190	865	35,000	42,000	606		8	8.6	15	0.3	6.0
	19	6	6	0.3	2,340	885	34,000	40,000	626		8	9.5	17	0.3	8.1
7	11	2.5	3	0.1	555	269	40,000	47,000	677		7.8	8.1	10.2	0.1	0.67
	14	3.5	5	0.15	1,170	505	37,000	44,000	687		8.2	8.7	12.8	0.15	2.1
	17	5	5	0.3	1,610	715	35,000	41,000	697		9	10	15	0.3	5.2
	19	6	6	0.3	2,240	910	34,000	40,000	607		9	10.4	17	0.3	8.0
	22	7	7	0.3	3,350	1,400	32,000	37,000	627		9	12.2	20	0.3	13.0
8	16	4	5	0.2	1,610	715	35,000	41,000	688		9.6	10	14.4	0.2	3.1
	19	6	6	0.3	1,990	865	33,000	39,000	698		10	10.6	17	0.3	7.3
	22	7	7	0.3	3,350	1,400	32,000	37,000	608		10	12.2	20	0.3	12.0
	24	8	8	0.3	4,000	1,590	31,000	36,000	628		10	12.1	22	0.3	17.0
9	14	3	4.5	0.1	920	465	36,000	42,000	679		9.8	10.4	13.2	0.1	1.4
	17	4	5	0.2	1,720	820	33,000	39,000	689		10.6	10.7	15.4	0.2	3.2
	20	6	6	0.3	2,480	1,090	32,000	38,000	699		11	11.6	18	0.3	8.2
	24	7	7	0.3	3,400	1,450	31,000	36,000	609		11	13.1	22	0.3	14.0
	26	8	8	0.6	4,550	1,960	30,000	35,000	629		13	13.9	22	0.3	20.0

Remarks: open width is B, and shielded is B1.



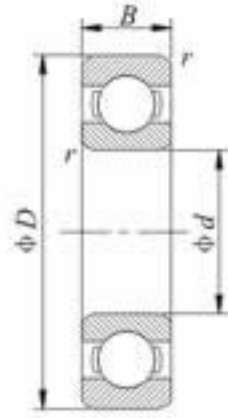
d 10~17 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds Grease (r/min) Oil				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Non-contact type	Contact type	Light contact type	Open				<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_e</i> Max	<i>r_s</i> Min	<i>D_i</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>D_s</i> Max	<i>r_e</i> Max	<i>D_i</i> Min	<i>C_r</i> Max	<i>C_{0r}</i> Max	
10	15	3	0.1	0.86	0.44	10,000	—	—	12,000	6700	—	—	—	—	—	—	—	10.8	—	14.2	0.1	—	—	—	0.002	
	19	5	0.3	1.83	0.93	32,000	24,000	—	38,000	61800	1000800	—	—	—	—	—	—	12	12.5	17	0.3	—	—	—	0.005	
	22	6	0.3	2.70	1.27	30,000	21,000	—	36,000	61900	1000900	1.05	0.8	20.8	0.2	0.3	24.8	0.7	12	13	20	0.3	25.5	1.5	0.7	0.009
	26	8	0.3	4.55	1.97	29,000	21,000	25,000	34,000	6000	100	—	—	—	—	—	—	12	13.5	24	0.3	—	—	—	0.018	
	30	9	0.6	5.10	2.39	25,000	18,000	21,000	30,000	6200	200	2.06	1.35	28.17	0.4	0.5	34.7	1.12	14	16	26	0.6	35.5	2.9	1.2	0.032
	35	11	0.6	8.20	3.50	23,000	16,000	20,000	27,000	6300	300	2.06	1.35	33.17	0.4	0.5	39.7	1.12	14	17	31	0.6	40.5	2.9	1.2	0.053
12	18	4	0.2	0.93	0.53	8,300	—	—	9,500	6701	—	—	—	—	—	—	—	13.6	13.8	16.4	0.2	—	—	—	0.002	
	21	5	0.3	1.92	1.04	29,000	20,000	—	35,000	61801	1000801	—	—	—	—	—	—	14	14.5	19	0.3	—	—	—	0.006	
	24	6	0.3	2.89	1.46	27,000	19,000	—	32,000	61901	1000901	1.05	0.8	22.8	0.2	0.3	26.8	0.7	14	15	22	0.3	27.5	1.5	0.7	0.011
	28	7	0.3	5.10	2.39	26,000	—	—	30,000	16001	7000101	—	—	—	—	—	—	14	—	26	0.3	—	—	—	0.019	
	28	8	0.3	5.10	2.39	26,000	18,000	21,000	30,000	6001	101	—	—	—	—	—	—	14	16	26	0.3	—	—	—	0.022	
	32	10	0.6	6.10	2.75	22,000	16,000	20,000	26,000	6201	201	2.06	1.35	30.15	0.4	0.5	36.7	1.12	16	17	28	0.6	37.5	2.9	1.2	0.037
	37	12	1	9.70	4.20	20,000	15,000	19,000	24,000	6301	301	2.06	1.35	34.77	0.4	0.5	41.3	1.12	17	18.5	32	1	42	2.9	1.2	0.060
15	21	4	0.2	0.94	0.59	6,600	—	—	7,600	6702	—	—	—	—	—	—	—	16.6	16.8	19.4	0.2	—	—	—	0.003	
	24	5	0.3	2.08	1.26	26,000	17,000	—	31,000	61802	1000802	—	—	—	—	—	—	17	17.5	22	0.3	—	—	—	0.007	
	28	7	0.3	3.65	2.00	24,000	16,000	—	28,000	61902	1000902	1.3	0.95	26.7	0.25	0.3	30.8	0.85	17	17.5	26	0.3	31.5	1.9	0.9	0.016
	32	8	0.3	5.60	2.83	24,000	—	—	26,000	16002	7000102	—	—	—	—	—	—	17	—	30	0.3	—	—	—	0.025	
	32	9	0.3	5.60	2.83	22,000	15,000	18,000	26,000	6002	102	2.06	1.35	30.15	0.4	0.3	36.7	1.12	17	19	30	0.3	37.5	2.9	1.2	0.030
	35	11	0.6	7.75	3.60	19,000	15,000	18,000	23,000	6202	202	2.06	1.35	33.17	0.4	0.5	39.7	1.12	19	20	31	0.6	40.5	2.9	1.2	0.045
	42	13	1	11.40	5.45	17,000	12,000	15,000	21,000	6302	302	2.06	1.35	39.75	0.4	0.5	46.3	1.12	20	23	37	1	47	2.9	1.2	0.082
17	23	4	0.2	1.00	0.66	5,000	—	—	6,700	6703	—	—	—	—	—	—	—	18.6	18.8	21.4	0.2	—	—	—	0.003	
	26	5	0.3	2.23	1.46	24,000	15,000	—	28,000	61803	1000803	—	—	—	—	—	—	19	19.5	24	0.3	—	—	—	0.008	
	30	7	0.3	4.65	2.58	22,000	14,000	—	26,000	61903	1000903	1.3	0.95	28.7	0.25	0.3	32.8	0.85	19	20	28	0.3	33.5	1.9	0.9	0.018
	35	8	0.3	6.80	3.35	20,000	—	—	24,000	16003	7000103	—	—	—	—	—	—	19	—	33	0.3	—	—	0.9	0.032	
	35	10	0.3	6.80	3.35	20,000	14,000	16,000	24,000	6003	103	2.06	1.35	33.17	0.4	0.3	39.7	1.12	19	21	33	0.3	40.5	2.9	1.2	0.039
	40	12	0.6	9.60	4.60	18,000	12,000	15,000	21,000	6203	203	2.06	1.35	38.1	0.4	0.5	44.6	1.12	21	23	36	0.6	45.5	2.9	1.2	0.066
	47	14	1	13.50	6.55	16,000	11,000	14,000	19,000	6303	303	2.46	1.35	44.6	0.4	0.5	52.7	1.12	22	25	42	1	53.5	3.3	1.2	0.115
	62	17	1.1	22.70	10.80	14,000	—	—	16,000	6403	403	—	—	—	—	—	—	23.5	—	55.5	1	—	—	—	0.270	



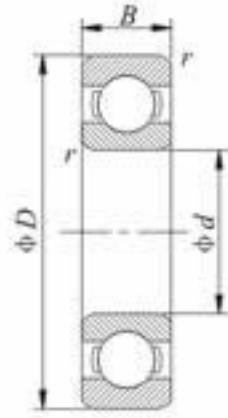
d 20~30 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds Grease (r/min) Oil				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)	
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Non-contact type	Contact type	Light contact type	Open				<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_s</i> Max	<i>r_s</i> Min	<i>D_i</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>D_s</i> Max	<i>r_s</i> Max	<i>D_i</i> Min	<i>C_r</i> Max	<i>C_{0r}</i> Max		
20	27	4	0.2	1.04	0.73	5,000	—	—	5,700	6704 61804 61904	— 1000804 1000904		—	—	—	—	—	—	—	21.6	22.3	25.4	0.2	—	—	—	0.005 0.019 0.036
	32	7	0.3	4.00	2.47	21,000	13,000	—	25,000				1.3	0.95	30.7	0.25	0.3	34.8	0.85	22	22.5	30	0.3	35.5	1.9	0.9	
	37	9	0.3	6.40	3.70	19,000	12,000	—	23,000				1.7	0.95	35.7	0.25	0.3	39.8	0.85	22	24	35	0.3	40.5	2.3	0.9	
	42	8	0.3	7.90	4.50	18,000	—	—	21,000	16004 6004 6204	7000104 104 204		—	—	—	—	—	—	—	22	—	40	0.3	—	—	—	0.051 0.069 0.106
	42	12	0.6	9.40	5.05	18,000	11,000	13,000	21,000				2.06	1.35	39.75	0.4	0.5	46.3	1.12	24	26	38	0.6	47	2.9	1.2	
	47	14	1	13.50	6.55	16,000	10,000	12,000	18,000				2.46	1.35	44.6	0.4	0.5	52.7	1.12	25	26	42	1	53.5	3.3	1.2	
	52	15	1.1	15.90	7.90	14,000	10,000	12,000	17,000	6304 6404	304 404		2.46	1.35	49.73	0.4	0.5	57.9	1.12	26.5	28.5	45.5	1	58.5	3.3	1.2	0.144 0.400
	72	19	1.1	28.50	13.90	12,000	—	—	14,000				—	—	—	—	—	—	—	26.5	—	65.5	1	—	—	—	
22	44	12	0.6	9.40	5.05	17,000	10,000	13,000	20,000	60/22	1/22		2.06	1.35	41.75	0.4	0.5	48.3	1.12	26	26.5	40	0.6	49	2.9	1.2	0.074 0.117 0.176
	50	14	1	12.90	6.80	14,000	9,700	12,000	17,000	62/22	2/22		2.46	1.35	47.6	0.4	0.5	55.7	1.12	27	29.5	45	1	56.5	3.3	1.2	
	56	16	1.1	18.40	9.25	13,000	9,200	11,000	15,000	63/22	3/22		2.46	1.35	53.6	0.4	0.5	61.7	1.12	28.5	31	49.5	1	62.5	3.3	1.2	
25	32	4	0.2	1.10	0.84	4,000	—	—	4,600	6705 61805 61905	— 1000805 1000905		—	—	—	—	—	—	—	26.6	27.3	30.4	0.2	—	—	—	0.005 0.022 0.042
	37	7	0.3	4.30	2.95	18,000	10,000	—	21,000				1.3	0.95	35.7	0.25	0.3	39.8	0.85	27	28	35	0.3	40.5	1.9	0.9	
	42	9	0.3	7.05	4.55	16,000	9,800	—	19,000				1.7	0.95	40.7	0.25	0.3	44.8	0.85	27	29	40	0.3	45.5	2.3	0.9	
	47	8	0.3	8.35	5.10	15,000	—	—	18,000	16005 6005 6205	7000105 105 205		—	—	—	—	—	—	—	27	—	45	0.3	—	—	—	0.060 0.080 0.128
	47	12	0.6	10.10	5.85	15,000	9,400	11,000	18,000				2.06	1.35	44.6	0.4	0.5	52.7	1.12	29	30	43	0.6	53.5	2.9	1.2	
	52	15	1	14.00	7.85	13,900	8,900	11,000	15,000				2.46	1.35	49.73	0.4	0.5	57.9	1.12	30	32	47	1	58.5	3.3	1.2	
	62	17	1.1	21.20	10.90	12,000	8,100	9,700	14,000	6305 6405	305 405		3.28	1.9	59.61	0.6	0.5	67.7	1.7	31.5	35	55.5	1	68.5	4.6	1.7	0.232 0.530
	80	21	1.5	34.50	17.50	10,000	—	—	12,000				—	—	—	—	—	—	—	33	—	72	1.5	—	—	—	
28	52	12	0.6	12.50	7.40	14,000	8,400	10,000	16,000	60/28	1/28		2.06	1.35	49.73	0.4	0.5	57.9	1.12	32	34	48	0.6	58.5	2.9	1.2	0.098 0.171 0.284
	58	16	1	17.90	9.75	12,000	8,100	9,700	14,000	62/28	2/28		2.46	1.35	55.6	0.4	0.5	63.7	1.12	33	35.5	53	1	64.5	3.3	1.2	
	68	18	1.1	26.70	14.00	11,000	7,400	8,900	13,000	63/28	3/28		3.28	1.9	64.82	0.6	0.5	74.6	1.7	34.5	38.5	61.5	1	76	4.6	1.7	
30	37	4	0.2	1.14	0.95	3,300	—	—	3,800	6706 61806 61906	— 1000806 1000906		—	—	—	—	—	—	—	31.6	32.3	35.4	0.2	—	—	—	0.006 0.026 0.048
	42	7	0.3	4.70	3.65	15,000	8,800	—	18,000				1.3	0.95	40.7	0.25	0.3	44.8	0.85	32	33	40	0.3	45.5	1.9	0.9	
	47	9	0.3	7.25	5.00	14,000	8,400	—	17,000				1.7	0.95	45.7	0.25	0.3	49.8	0.85	32	34	45	0.3	50.5	2.3	0.9	
	55	9	0.3	11.20	7.35	13,000	—	—	15,000	16006 6006 6206	7000106 106 206		—	—	—	—	—	—	—	32	—	53	0.3	—	—	—	0.091 0.116 0.199
	55	13	1	13.20	8.30	13,000	7,700	9,200	15,000				2.08	1.35	52.6	0.4	0.5	60.7	1.12	35	37	50	1	61.5	2.9	1.2	
	62	16	1	19.50	11.30	11,000	7,300	8,800	13,000				3.28	1.9	59.61	0.6	0.5	67.7	1.7	35	39	57	1	68.5	4.6	1.7	



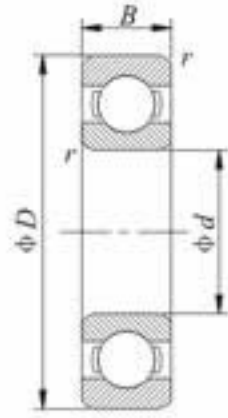
d 30~50 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds Grease (r/min) Oil				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)	
d	D	B	r (Min)	C _r	C _{0r}	Non-contact type	Contact type	Light contact type	Open				a Max	b Min	D _i Max	r _e Max	r _s Min	D _i Max	f Max	d _s Min	d _s Max	D _s Max	r _e Max	D _i Min	C _r Max		C _{0r} Max
30	72	19	1.1	26.70	15.00	10,000	6,600	7,900	12,000	6306	306		3.28	1.9	68.81	0.6	0.5	78.6	1.7	36.5	43	65.5	1	80	4.6	1.7	0.360
	90	23	1.5	43.50	23.90	8,800	—	—	10,000	6406	406		—	—	—	—	—	—	—	38	—	82	1.5	—	—	—	0.735
32	58	13	1	11.80	8.05	12,000	7,200	8,700	15,000	60/32	1/32		2.08	1.35	55.6	0.4	0.5	63.7	1.12	37	39	53	1	64.5	2.9	1.2	0.129
	65	17	1	20.70	11.60	11,000	7,100	8,400	12,000	62/32	2/32		3.28	1.9	62.6	0.6	0.5	70.7	1.7	37	40	60	1	71.5	4.6	1.7	0.226
	75	20	1.1	29.80	16.90	9,500	6,500	7,700	11,000	63/32	3/32		3.28	1.9	71.83	0.6	0.5	81.6	1.7	38.5	43.5	68.5	1	83	4.6	1.7	0.382
35	47	7	0.3	4.90	4.05	13,000	7,600	—	16,000	61807	1000807		1.3	0.95	45.7	0.25	0.3	49.8	0.85	37	38	45	0.3	50.5	1.9	0.9	0.029
	55	10	0.6	9.55	6.85	12,000	7,100	—	15,000	61907	1000907		1.7	0.95	53.7	0.25	0.5	57.8	0.85	39	40	51	0.6	58.5	2.3	0.9	0.074
	62	9	0.3	11.70	8.20	12,000	—	—	14,000	16007	7000107		—	—	—	—	—	—	37	—	60	0.3	—	—	—	0.110	
	62	14	1	16.00	10.30	12,000	6,800	8,200	14,000	6007	107		2.08	1.9	59.61	0.6	0.5	67.7	1.7	40	42	57	1	68.5	3.4	1.7	0.155
	72	17	1.1	25.70	15.30	9,800	6,300	7,600	11,000	6207	207		3.28	1.9	68.81	0.6	0.5	78.6	1.7	41.5	45	65.5	1	80	4.6	1.7	0.288
	80	21	1.5	33.50	19.10	8,800	6,000	7,300	10,000	6307	307		3.28	1.9	76.81	0.6	0.5	86.6	1.7	43	47	72	1.5	88	4.6	1.7	0.457
	100	25	1.5	55.00	31.00	7,800	—	—	9,100	6407	407		—	—	—	—	—	—	43	—	92	1.5	—	—	—	0.952	
	40	52	7	0.3	5.10	4.40	12,000	6,700	—	14,000	61808	1000808		1.3	0.95	50.7	0.25	0.3	54.8	0.85	42	43	50	0.3	55.5	1.9	0.9
40	62	12	0.6	12.20	8.90	11,000	6,300	—	13,000	61908	1000908		1.7	0.95	60.7	0.25	0.5	64.8	0.85	44	45	58	0.6	65.5	2.3	0.9	0.110
	68	9	0.3	12.60	9.65	10,000	—	—	12,000	16008	7000108		1.7	—	—	—	—	—	42	—	66	0.3	—	—	—	0.125	
	68	15	1	16.80	11.50	10,000	6,100	7,300	12,000	6008	108		2.49	1.9	64.82	0.6	0.5	74.6	1.7	45	47	63	1	76	3.8	1.7	0.190
	80	18	1.1	29.10	17.80	8,700	5,600	6,700	10,000	6208	208		3.28	1.9	76.81	0.6	0.5	86.6	1.7	46.5	51	73.5	1	88	4.6	1.7	0.366
	90	23	1.5	40.50	24.00	7,800	5,300	6,400	9,200	6308	308		3.28	2.7	86.79	0.6	0.5	96.5	2.46	48	54	82	1.5	98	5.4	2.5	0.630
	110	27	2	63.50	36.50	7,000	—	—	8,200	6408	408		—	—	—	—	—	—	49	—	101	2	—	—	—	1.230	
	45	58	7	0.3	5.35	4.95	11,000	5,900	—	12,000	61809	1000809		1.3	0.95	56.7	0.25	0.3	60.8	0.85	47	48	56	0.3	61.5	1.9	0.9
45	68	12	0.6	13.10	10.40	9,800	5,600	—	12,000	61909	1000909		1.7	0.95	66.7	0.25	0.5	70.8	0.85	49	51	64	0.6	72	2.3	0.9	0.128
	75	10	0.6	12.90	10.50	9,200	—	—	11,000	16009	7000109		—	—	—	—	—	—	49	—	71	0.6	—	—	—	0.171	
	75	16	1	21.00	15.10	9,200	5,400	6,500	11,000	6009	109		2.49	1.9	71.83	0.6	0.5	81.6	1.7	50	52.5	70	1	83	3.8	1.7	0.237
	85	19	1.1	32.50	20.40	7,800	5,200	6,200	9,200	6209	209		3.28	1.9	81.81	0.6	0.5	91.6	1.7	51.5	55.5	78.5	1	93	4.6	1.7	0.398
	100	25	1.5	53.00	32.00	7,000	4,700	5,600	8,200	6309	309		3.28	2.7	96.8	0.6	0.5	106.5	2.46	53	61.5	92	1.5	108	5.4	2.5	0.814
	120	29	2	77.00	45.00	6,300	—	—	7,400	6409	409		—	—	—	—	—	—	54	—	111	2	—	—	—	1.530	
	50	65	7	0.3	6.60	6.10	9,600	5,300	—	11,000	61810	1000810		1.3	0.95	63.7	0.25	0.3	67.8	0.85	52	54	63	0.3	68.5	1.9	0.9



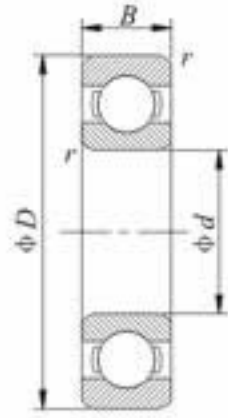
d 50~60 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease Non-contact type	Oil Contact type	Oil Light contact type	Open				<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_e</i> Max	<i>r_s</i> Min	<i>D_i</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>d_s</i> Max	<i>D_s</i> Max	<i>r_s</i> Max	<i>D_i</i> Min	<i>C_r</i> Max	
50	72	12	0.6	13.40	11.20	9,000	5,300	—	11,000	61910	1000910	1.7	0.95	70.7	0.25	0.5	74.8	0.85	54	55.5	68	0.6	76	2.3	0.9	0.135
	80	10	0.6	13.20	11.30	8,500	—	—	10,000	16010	7000110	—	—	—	—	—	—	—	54	—	76	0.6	—	—	—	0.175
	80	16	1	21.80	16.60	8,500	4,800	6,000	10,000	6010	110	2.49	1.9	76.81	0.6	0.5	86.6	1.7	55	57.5	75	1	88	3.8	1.7	0.261
	90	20	1.1	35.00	23.20	7,100	4,700	5,700	8,300	6210	210	3.28	2.7	86.79	0.6	0.5	96.5	2.46	56.5	60	83.5	1	98	5.4	2.5	0.454
	110	27	2	62.00	38.50	6,400	4,200	5,000	7,500	6310	310	3.28	2.7	106.81	0.6	0.5	116.6	2.46	59	68.5	101	2	118	5.4	2.5	1.060
	130	31	2.1	83.00	49.50	5,700	—	—	6,700	6410	410	—	—	—	—	—	—	—	61	—	119	2	—	—	—	1.880
55	72	9	0.3	8.80	8.10	8,700	4,800	—	10,000	61811	1000811	1.7	0.95	70.7	0.25	0.3	74.8	0.85	57	59	70	0.3	76	2.3	0.9	0.083
	80	13	1	16.00	13.30	8,200	4,600	—	9,600	61911	1000911	2.1	1.3	77.9	0.4	0.5	84.4	0.12	60	61.5	75	1	86	2.9	1.2	0.180
	90	11	0.6	18.60	15.30	7,700	—	—	9,000	16011	7000111	—	—	—	—	—	—	—	59	—	86	0.6	—	—	—	0.258
	90	18	1.1	28.30	21.20	7,700	4,500	—	9,000	6011	111	2.87	2.7	86.79	0.6	0.5	96.5	2.46	61.5	64	83.5	1	98	5	2.5	0.388
	100	21	1.5	43.50	29.20	6,400	4,300	—	7,600	6211	211	3.28	2.7	96.8	0.6	0.5	106.5	2.46	63	67	92	1.5	108	5.4	2.5	0.601
	120	29	2	71.50	45.00	5,800	3,900	—	6,800	6311	311	4.06	3.1	115.21	0.6	0.5	129.7	2.82	64	74	111	2	131.5	6.5	2.9	1.370
	140	33	2.1	89.00	54.00	5,200	—	—	6,100	6400	411	—	—	—	—	—	—	—	66	—	129	2	—	—	—	2.290
60	78	10	0.3	11.50	10.60	8,000	4,400	—	9,400	61812	1000812	1.7	1.3	76.2	0.4	0.3	82.7	1.12	62	64.5	76	0.3	84	2.5	1.2	0.106
	85	13	1	16.40	14.30	7,600	4,300	—	8,900	61912	1000912	2.1	1.3	82.9	0.4	0.5	89.4	1.12	65	66.5	80	1	91	2.9	1.2	0.193
	95	11	0.6	20.00	17.50	7,000	—	—	8,300	16012	7000112	—	—	—	—	—	—	—	64	—	91	0.6	—	—	—	0.283
	95	18	1.1	29.50	23.20	7,000	4,100	—	8,300	6012	112	2.87	2.7	91.82	0.6	0.5	101.6	2.46	66.5	69	88.5	1	103	5	2.5	0.414
	110	22	1.5	52.50	36.00	6,000	3,800	—	7,000	6212	212	3.28	2.7	106.81	0.6	0.5	116.6	2.46	68	75	102	1.5	118	5.4	2.5	0.783
	130	31	2.1	82.00	52.00	5,400	3,600	—	6,300	6312	312	4.06	3.1	125.22	0.6	0.5	139.7	2.82	71	80.5	119	2	141.5	6.5	2.9	1.730
	150	35	2.1	102.00	64.50	4,800	—	—	5,700	6412	412	—	—	—	—	—	—	—	71	—	139	2	—	—	—	2.770



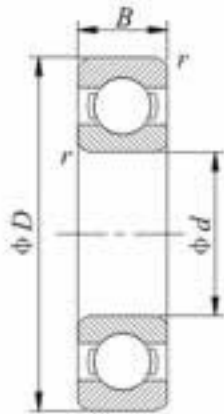
d 65~80 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds Grease (r/min) Oil				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Non-contact type	Contact type	Light contact type	Open				<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_s</i> Max	<i>r_s</i> Min	<i>D_i</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>D_s</i> Max	<i>r_s</i> Max	<i>D_i</i> Min	<i>C_r</i> Max	<i>C_{0r}</i> Max	
65	85	10	0.6	11.60	11.00	7400	4100	8700	61813 61913 16013	1000813 1000913 7000113		1.7	1.3	82.9	0.4	0.5	89.4	1.12	69	70	81	0.6	91	2.5	1.2	0.128
	90	13	1	17.40	16.10	7000	4000	8200				2.1	1.3	87.9	0.4	0.5	94.4	1.12	70	71.5	85	1	96	2.9	1.2	0.206
	100	11	0.6	20.50	18.70	6500	—	7700				—	—	—	—	—	—	—	69	—	96	0.6	—	—	—	0.307
	100	18	1.1	30.50	25.20	6500	3900	7700	6013	113		2.87	2.7	96.8	0.6	0.5	106.5	2.46	71.5	74	93.5	1	108	5	2.5	0.421
	120	23	1.5	57.50	40.00	5500	3600	6500	6213	213		4.06	3.1	115.21	0.6	0.5	129.7	2.82	73	80.5	112	1.5	131.5	6.5	2.9	0.990
	140	33	2.1	92.50	60.00	4900	3300	5800	6313	313		4.9	3.1	135.23	0.6	0.5	149.7	2.82	76	86	129	2	152	7.3	2.9	2.080
	160	37	2.1	111.00	72.50	4400	—	5200	6413	413		—	—	—	—	—	—	—	76	—	149	2	—	—	—	3.300
70	90	10	0.6	12.10	11.90	6900	3800	8100	61814 61914 16014	1000814 1000914 7000114		1.7	1.3	87.9	0.4	0.5	94.4	1.12	74	75.5	86	0.6	96	2.5	1.2	0.137
	100	16	1	23.70	21.20	6500	3700	7700				2.5	1.3	97.9	0.4	0.5	104.4	1.12	75	77.5	95	1	106	3.3	1.2	0.334
	110	13	0.6	24.40	22.60	6100	—	7100				—	—	—	—	—	—	—	74	—	106	0.6	—	—	—	0.441
	110	20	1.1	38.00	31.00	6100	3600	7100	6014	114		2.87	2.7	106.81	0.6	0.5	116.6	2.46	76.5	80.5	103.5	1	118	5	2.5	0.604
	125	24	1.5	62.00	44.00	5100	3400	6000	6214	214		4.06	3.1	120.22	0.6	0.5	134.7	2.82	78	85	117	1.5	136.5	6.5	2.9	1.070
	150	35	2.1	104.00	68.00	4600	3100	5400	6314	314		4.9	3.1	145.24	0.6	0.5	159.7	2.82	81	92.5	139	2	162	7.3	2.9	2.520
	180	42	3	128.00	89.50	4100	—	4800	6414	414		—	—	—	—	—	—	—	83	—	167	2.5	—	—	—	4.830
75	95	10	0.6	12.50	12.90	6400	3600	7600	61815 61915 16015	1000815 1000915 7000115		1.7	1.3	92.9	0.4	0.5	99.4	1.12	79	80	91	0.6	101	2.5	1.2	0.145
	105	16	1	24.40	22.60	6100	3500	7200				2.5	1.3	102.6	0.4	0.5	110.7	1.12	80	82.5	100	1	112	3.3	1.2	0.353
	115	13	0.6	25.00	24.00	5700	—	6700				—	—	—	—	—	—	—	79	—	111	0.6	—	—	—	0.464
	115	20	1.1	39.50	33.50	5700	3300	6700	6015	115		2.87	2.7	111.81	0.6	0.5	121.6	2.46	81.5	85.5	108.5	1	123	5	2.5	0.649
	130	25	1.5	66.00	49.50	4800	3200	5600	6215	215		4.06	3.1	125.22	0.6	0.5	139.7	2.82	83	90.5	122	1.5	141.5	6.5	2.9	1.180
	160	37	2.1	113.00	77.00	4300	2900	5000	6315	315		4.9	3.1	155.22	0.6	0.5	169.7	2.82	86	99	149	2	172	7.3	2.9	3.020
	190	45	3	138.00	99.00	3800	—	4500	6415	415		—	—	—	—	—	—	—	88	—	177	2.5	—	—	—	5.720
80	100	10	0.6	12.70	13.30	6000	3400	7100	61816 61916 16016	1000816 1000916 7000116		1.7	1.3	97.9	0.4	0.5	104.4	1.12	84	85	96	0.6	106	2.5	1.2	0.154
	110	16	1	24.90	24.00	5700	3200	6700				2.5	1.3	107.6	0.4	0.5	115.7	1.12	85	88	105	1	117	3.3	1.2	0.373
	125	14	0.6	25.40	25.10	5300	—	6200				—	—	—	—	—	—	—	84	—	121	0.6	—	—	—	0.597
	125	22	1.1	47.50	40.00	5300	3100	6200	6016	116		2.87	3.1	120.22	0.6	0.5	134.7	2.82	86.5	91.5	118.5	1	136.5	5.3	2.9	0.854
	140	26	2	72.50	53.00	4500	3000	5300	6216	216		4.9	3.1	135.23	0.6	0.5	149.7	2.82	89	95.5	131	2	152	7.3	2.9	1.400
	170	39	2.1	123.00	86.50	4000	2700	4700	6316	316		5.69	3.5	163.65	0.6	0.5	182.9	3.1	91	105	159	2	185	8.4	3.1	3.590
	200	48	3	164.00	125.00	3600	—	4200	6416	416		—	—	—	—	—	—	—	93	—	187	2.5	—	—	—	6.760



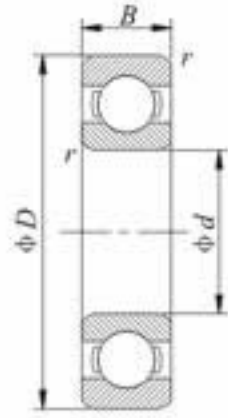
d 85~105 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds Grease (r/min) Oil			Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)	
d	D	B	r (Min)	C _r	C _{0r}	Non-contact type	Contact type	Light contact type				Open	a Max	b Min	D _i Max	r _s Max	r _s Min	D _i Max	f Max	d _s Min	d _s Max	D _s Max	r _s Max	D _i Min		C _r Max
85	110	13	1	18.70	19.00	5700	3100	6700	61817 61917 16017	1000817 1000917 7000117		2.1	1.3	107.6	0.4	0.5	115.7	1.12	90	91	105	1	117	2.9	1.2	0.270
	120	18	1.1	32.00	29.60	5400	3000	6300			3.3	1.3	117.6	0.4	0.5	125.7	1.12	91.5	94	113.5	1	127	4.1	1.2	0.536	
	130	14	0.6	25.90	26.20	5000	—	5900			—	—	—	—	—	—	—	89	—	126	0.6	—	—	—	0.626	
	130	22	1.1	49.50	43.00	5000	2900	5900	6017	117	2.87	3.1	125.22	0.6	0.5	139.7	2.82	91.5	97	123.5	1	141.5	5.3	2.9	0.890	
	150	28	2	83.50	64.00	4200	2800	5000	6217	217	4.9	3.1	145.24	0.6	0.5	159.7	2.82	94	103	141	2	162	7.3	2.9	1.790	
	180	41	3	133.00	97.00	3800	2600	4500	6317	317	5.69	3.5	173.66	0.6	0.5	192.9	3.1	98	112	167	2.5	195	8.4	3.1	4.230	
90	115	13	1	19.00	19.70	5400	3000	6300	61818 61918 16018	1000818 1000918 7000118		2.1	1.3	112.6	0.4	0.5	120.7	1.12	95	96	110	1	122	2.9	1.2	0.285
	125	18	1.1	33.00	31.50	5100	2900	6000			3.3	1.3	122.6	0.4	0.5	130.7	1.12	96.5	99	118.5	1	132	4.1	1.2	0.554	
	140	16	1	33.50	33.50	4700	—	5600			—	—	—	—	—	—	—	95	—	135	1	—	—	—	0.848	
	140	24	1.5	58.00	49.50	4700	2800	5600	6018	118	3.71	3.1	135.23	0.6	0.5	149.7	2.82	98	102	132	1.5	152	6.1	2.9	1.020	
	160	30	2	96.00	71.50	4000	2600	4700	6218	218	4.9	3.1	155.22	0.6	0.5	169.7	2.82	99	109	151	2	172	7.3	2.9	2.150	
	190	43	3	143.00	107.00	3600	2400	4200	6318	318	5.69	3.5	183.64	0.6	0.5	202.9	3.1	103	118	177	2.5	205	8.4	3.1	4.910	
95	120	13	1	19.30	20.50	5000	2800	5900	61819 61919 16019	1000819 1000919 7000119		2.1	1.3	117.6	0.4	0.5	125.7	1.12	100	101	115	1	127	2.9	1.2	0.300
	130	18	1.1	33.50	33.50	4800	2800	5700			3.3	1.3	127.6	0.4	0.5	135.7	1.12	101.5	104	123.5	1	137	4.1	1.2	0.579	
	145	16	1	34.50	35.00	4500	—	5300			—	—	—	—	—	—	—	100	—	140	1	—	—	—	0.885	
	145	24	1.5	60.50	54.00	4500	2600	5300	6019	119	3.71	3.1	140.23	0.6	0.5	154.7	2.82	103	109	137	1.5	157	6.1	2.9	1.080	
	170	32	2.1	109.00	82.00	3700	2500	4400	6219	219	5.69	3.5	163.65	0.6	0.5	182.9	3.1	106	116	159	2	185	8.4	3.1	2.620	
	200	45	3	153.00	119.00	3300	2300	3900	6319	319	5.69	3.5	193.65	0.6	0.5	212.9	3.1	108	125	187	2.5	215	8.4	3.1	5.670	
100	125	13	1	19.60	21.20	4800	2700	5600	61820 61920 16020	1000820 1000920 7000120		2.1	1.3	122.6	0.4	0.5	130.7	1.12	105	106	120	1	132	2.9	1.2	0.313
	140	20	1.1	41.00	39.50	4500	2600	5300			3.3	1.9	137.6	0.6	0.5	145.7	1.7	106.5	110	133.5	1	147	4.7	1.7	0.785	
	150	16	1	35.00	36.50	4200	—	5000			—	—	—	—	—	—	—	105	—	145	1	—	—	—	0.910	
	150	24	1.5	60.00	54.00	4200	2600	5000	6020	120	3.71	3.1	145.24	0.6	0.5	159.7	2.82	108	110	142	1.5	162	6.1	2.9	1.150	
	180	34	2.1	122.00	93.00	3500	2300	4200	6220	220	5.69	3.5	173.66	0.6	0.5	192.9	3.1	111	122	169	2	195	8.4	3.1	3.140	
	215	47	3	173.00	141.00	3200	2200	3700	6320	320	—	—	—	—	—	—	—	113	133	202	2.5	—	—	—	7.000	
105	130	13	1	19.80	22.00	4600	—	5400	61821 61921 16021	1000821 1000921 7000121		2.1	1.3	127.6	0.4	0.5	135.7	1.12	110	—	125	1	137	2.9	1.2	0.330
	145	20	1.1	42.50	42.00	4300	2500	5100			3.3	1.9	142.6	0.6	0.5	150.7	1.7	111.5	115	138.5	1	152	4.7	1.7	0.816	
	160	18	1	52.00	50.50	4000	—	4700			—	—	—	—	—	—	—	110	—	155	1	—	—	—	1.200	
	160	26	2	72.50	65.50	4000	2400	4700	6021	121	3.71	3.1	155.22	0.6	0.5	169.7	2.82	114	119	151	2	172	6.1	2.9	1.590	
	190	36	2.1	133.00	105.00	3400	2300	4000	6221	221	5.69	3.5	183.64	0.6	0.5	202.9	3.1	116	125	179	2	205	8.4	3.1	3.700	
	225	49	3	184.00	153.00	3000	2100	3600	6321	321	—	—	—	—	—	—	—	118	134	212	2.5	—	—	—	8.050	



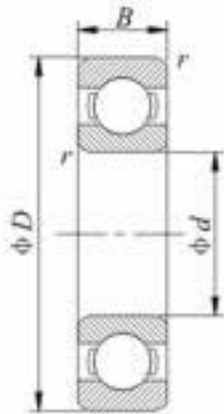
d 110~120 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds			Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)	
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease	Oil					Non-contact type	Contact type	Light contact type	Open	<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_e</i> Max	<i>r_s</i> Min	<i>D_i</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>d_s</i> Max		<i>D_s</i> Max
110	140	16	1	24.90	28.20	4300	—	5100	61822	1000822		2.5	1.9	137.6	0.6	0.5	145.7	1.7	115	—	135	1	147	3.9	1.7	0.515
	150	20	1.1	43.50	44.50	4100	2400	4800	61922	1000922		3.3	1.9	147.6	0.6	0.5	155.7	1.7	116.5	120	143.5	1	157	4.7	1.7	0.849
	170	19	1	57.50	56.50	3800	—	4500	16022	7000122		—	—	—	—	—	—	—	115	—	165	—	—	—	—	1.460
	170	28	2	82.00	73.00	3800	2300	4500	6022	122		3.71	3.5	163.65	0.6	0.5	182.9	3.1	119	126	161	2	185	6.4	3.1	1.960
	200	38	2.1	144.00	117.00	3200	2200	3800	6222	222		5.69	3.5	193.65	0.6	0.5	212.9	3.1	121	132	189	2	215	8.4	3.1	4.360
	240	50	3	205.00	179.00	2900	1900	3400	6322	322		—	—	—	—	—	—	—	123	149	227	2.5	—	—	—	9.540
120	150	16	1	28.90	33.00	4000	—	4700	61824	1000824		2.5	1.9	147.6	0.6	0.5	155.7	1.7	125	—	145	1	157	3.9	1.7	0.555
	165	22	1.1	53.00	54.00	3800	—	4400	61924	1000924		3.7	1.9	161.8	0.6	0.5	171.5	1.7	126.5	—	158.5	1	173	5.1	1.7	1.150
	180	19	1	63.00	63.50	3500	—	4100	16024	7000124		—	—	—	—	—	—	—	125	—	175	1	—	—	—	1.560
	180	28	2	85.00	79.50	3500	2100	4100	6024	124		3.71	3.5	173.66	0.6	0.5	192.9	3.1	129	136	171	2	195	6.4	3.1	2.070
	215	40	2.1	155.00	131.00	2900	2000	3400	6224	224		—	—	—	—	—	—	—	131	143	204	2	—	—	—	5.150
	260	55	3	207.00	185.00	2600	—	3100	6324	324		—	—	—	—	—	—	—	133	—	247	2.5	—	—	—	12.40



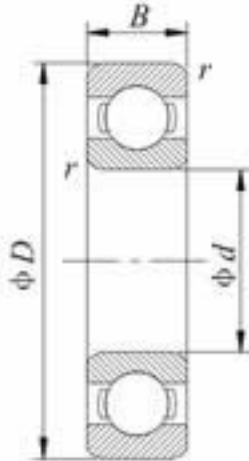
d 130~170 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)				Nominal numbers	Nominal numbers (old)		Dimensions of snap ring groove (mm)					Dimensions of snap ring (mm)		Mounting dimensions (mm)						Reference mass (kg)	
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease Non-contact type	Contact type	Oil Light contact type	Open				<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_e</i> Max	<i>r_s</i> Min	<i>D₂</i> Max	<i>f</i> Max	<i>d_s</i> Min	<i>D_s</i> Max	<i>r_s</i> Max	<i>D_i</i> Min	<i>C_r</i> Max	<i>C_{0r}</i> Max		
130	165	18	1.1	37.0	41.0			3,700	4,300	61826	1000826		3.3	1.9	161.8	0.6	0.5	171.5	1.7	136.5	—	158.5	1	173	4.7	1.7	0.800
	180	24	1.5	65.0	67.5			3,500	4,100	61926	1000926		3.7	1.9	176.8	0.6	0.5	186.5	1.7	138	—	172	1.5	188	5.1	1.7	1.520
	200	22	1.1	80.0	79.5			3,200	3,800	16026	7000126		—	—	—	—	—	—	—	136.5	—	193.5	1	—	—	—	2.310
	200	33	2	106.0	101.0			3,200	3,800	6026	126		5.69	3.5	193.65	0.6	0.5	212.9	3.1	139	148	191	2	215	8.4	3.1	3.160
	230	40	3	167.0	146.0			2,700	3,100	6226	226		—	—	—	—	—	—	—	143	—	217	2.5	—	—	—	5.820
	280	58	4	229.0	214.0			2,400	2,800	6326	326		—	—	—	—	—	—	—	146	—	264	3	—	—	—	15.30
140	175	18	1.1	38.5	44.5			3,400	4,000	61828	1000828		3.3	1.9	171.8	0.6	0.5	181.5	1.7	146.5	—	168.5	1	183	4.7	1.7	0.850
	190	24	1.5	66.5	71.5			3,200	3,800	61928	1000928		3.7	1.9	186.8	0.6	0.5	196.5	1.7	148	—	182	1.5	198	5.1	1.7	1.620
	210	22	1.1	82.0	85.0			3,000	3,500	16028	7000128		—	—	—	—	—	—	—	146.5	—	203.5	1	—	—	—	2.450
	210	33	2	110.0	109.0			3,000	3,500	6028	128		—	—	—	—	—	—	—	149	158	201	2	—	—	—	3.350
	250	42	3	166.0	150.0			2,500	2,900	6228	228		—	—	—	—	—	—	—	153	—	237	2.5	—	—	—	7.570
	300	62	4	253.0	246.0			2,200	2,600	6328	328		—	—	—	—	—	—	—	156	—	284	3	—	—	—	18.50
150	190	20	1.1	47.5	55.0			3,100	3,700	61830	1000830		3.3	1.9	186.8	0.6	0.5	196.5	1.7	156.5	—	183.5	1	198	4.7	1.7	1.160
	210	28	2	85.0	90.5			3,000	3,500	61930	100930		—	—	—	—	—	—	—	159	—	201	2	—	—	—	2.470
	225	24	1.1	96.5	101.0			2,800	3,200	16030	7000130		—	—	—	—	—	—	—	156.5	—	218.5	1	—	—	—	3.070
	225	35	2.1	126.0	126.0			2,800	3,200	6030	130		—	—	—	—	—	—	—	161	169	214	2	—	—	—	4.080
	270	45	3	176.0	168.0			2,300	2,700	6230	230		—	—	—	—	—	—	—	163	—	257	2.5	—	—	—	9.410
	320	65	4	274.0	284.0			2,100	2,400	6330	330		—	—	—	—	—	—	—	166	—	304	3	—	—	—	22.00
160	200	20	1.1	48.5	57.0			2,900	3,400	61832	1000832		3.3	1.9	196.8	0.6	0.5	206.5	1.7	166.5	—	193.5	1	208	4.7	1.7	1.230
	220	28	2	87.0	96.0			2,800	3,300	61932	1000932		—	—	—	—	—	—	—	169	—	211	2	—	—	—	2.610
	240	25	1.5	99.0	108.0			2,600	3,000	16032	7000132		—	—	—	—	—	—	—	168	—	232	1.5	—	—	—	3.640
	240	38	2.1	143.0	144.0			2,600	3,000	6032	132		—	—	—	—	—	—	—	171	183	229	2	—	—	—	5.050
	290	48	3	185.0	186.0			2,100	2,500	6232	232		—	—	—	—	—	—	—	173	—	277	2.5	—	—	—	11.70
	340	68	4	278.0	286.0			1,900	2,300	6332	332		—	—	—	—	—	—	—	176	—	324	3	—	—	—	26.00
170	215	22	1.1	60.0	70.5			2,700	3,200	61834	1000834		—	—	—	—	—	—	—	176.5	—	208.5	1	—	—	—	1.630
	230	28	2	86.0	95.5			2,600	3,100	61934	1000934		—	—	—	—	—	—	—	179	—	221	2	—	—	—	2.740
	260	28	1.5	119.0	128.0			2,400	2,800	16034	7000134		—	—	—	—	—	—	—	178	—	252	1.5	—	—	—	4.930
	260	42	2.1	168.0	172.0			2,400	2,800	6034	134		—	—	—	—	—	—	—	181	—	249	2	—	—	—	6.760
	310	52	4	212.0	223.0			2,000	2,400	6234	234		—	—	—	—	—	—	—	186	—	294	3	—	—	—	14.50
	360	72	4	325.0	355.0			1,800	2,100	6334	334		—	—	—	—	—	—	—	186	—	344	3	—	—	—	30.70



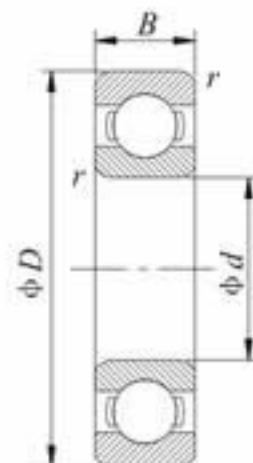
d 180~200 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Nominal numbers	Nominal numbers (old)		Mounting dimensions (mm)			Reference mass (kg)
d	D	B	r (Min)	C _r	C _{0r}	Grease ZZ	Oil open				d _s Min	D _s Max	r _s Max	
180	225	22	1.1	60.5	73.0	2,600	3,000	61836	1000836		186.5	218.5	1	2.030
	250	33	2	110.0	119.0	2,400	2,900	61936	1000936		189	241	2	4.760
	280	31	2	117.0	134.0	2,300	2,700	6036	136		189	271	2	6.490
	280	46	2.1	189.0	199.0	2,300	2,700	16036	7000136		191	269	2	8.800
	320	52	4	227.0	241.0	1,900	2,200	6236	236		196	304	3	15.10
	380	75	4	355.0	405.0	1,700	2,000	6336	336		196	364	3	35.60
190	240	24	1.5	73.0	88.0	2,400	2,900	61838	1000838		198	232	1.5	2.620
	260	33	2	113.0	127.0	2,300	2,700	61938	1000939		199	251	2	4.980
	290	31	2	134.0	156.0	2,100	2,500	16038	7000138		199	281	2	6.770
	290	46	2.1	197.0	215.0	2,100	2,500	6038	138		201	279	2	9.180
	340	55	4	255.0	281.0	1,800	2,100	6238	238		206	324	3	18.20
	400	78	5	355.0	415.0	1,600	1,900	6338	338		210	380	4	41.00
200	250	24	1.5	74.0	91.5	2,300	2,700	61840	1000840		208	242	1.5	2.730
	280	38	2.1	157.0	168.0	2,200	2,600	61940	1000940		211	269	2	7.100
	310	34	2	142.0	160.0	2,000	2,400	16040	7000140		209	301	2	8.680
	310	51	2.1	218.0	243.0	2,000	2,400	6040	140		211	299	2	11.90
	360	58	4	269.0	310.0	1,700	2,000	6240	240		216	344	3	21.60
	420	80	5	410.0	500.0	1,500	1,800	6340	340		220	400	4	46.30



d 8~40 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)	Bearing numbers		Mounting dimensions (mm)			Reference mass (kg)
d	D	B	r (Min)	C_r	C_{90}	Contact type (grease lubrication)			d_s Min	D_s Max	r_s Max	Open
8	23	14	0.3	2.88	1.37	32,000	SAEC608X3-2RS		10	21	0.3	0.023
10	26	10	0.3	5.35	2.60	21,000	SA6200-2RS		12	24	0.3	0.032
12	28	8	0.3	5.10	2.37	18,000	SA6001-2RS		14	26	0.3	0.022
	32	10	0.6	6.80	3.05	16,000	SA6201-2RS		16	28	0.6	0.037
15	32	9	0.3	5.60	2.83	18,000	SA6002-2RS		17	30	0.3	0.031
	35	11	0.6	7.65	3.75	15,000	SA6202-2RS		19	31	0.6	0.045
	35	13	0.6	7.65	3.75	15,000	SA6202/13-2RS		19	31	0.6	0.051
	42	13	1.0	11.40	5.45	12,000	SA6302-2RS		20	37	1	0.083
17	40	12	0.6	9.55	4.80	12,000	SA6203-2RS		21	36	0.6	0.067
	47	14	1.0	13.60	6.65	11,000	SA6303-2RS		22	42	1	0.113
	47	24	1.2	15.90	13.00	11,000	SA4303X2-2RS		23.5	41.5	1.2	0.194
	52	16	1.0	15.90	7.85	19,000	SA175216-2RS		22	47	1	0.165
20	47	14	1.0	12.80	6.60	10,000	SA6204-2RS		25	42	1	0.107
	52	15	1.1	15.90	7.90	10,000	SA6304-2RS		26.5	45.5	1	0.145
22	56	16	1.1	18.40	9.25	9,200	SA63/22-2RS		28.5	49.5	1	0.179
25	52	15	1.0	14.00	7.85	8,900	SA6205-2RS		30	47	1	0.129
40	90	23	1.5	40.50	24.0	5,300	SA6308-2RS		48	82	1.5	0.636



d 20~65mm

Boundary dimensions (mm)				Basic load ratings (kN)		Nominal number	Snap ring dimensions (mm)		Limiting speeds (r/min)			Snap ring groove dimensions (mm)					Mounting dimensions (mm)						Reference mass
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> Min	<i>C_r</i>	<i>C₉₀</i>		<i>D_s</i> Max	<i>f</i> Max	Grease	Oil		<i>a</i> Max	<i>b</i> Min	<i>D_i</i> Max	<i>r_e</i> Max	<i>r_e</i> Min	<i>d_e</i> Min	<i>D_e</i> Max	<i>r_e</i> Max	<i>D_i</i> Min	<i>C_i</i> Min	<i>C_i</i> Min	(kg)
20	47	14	1	12.80	6.60	TM6204	52.7	1.12	15,000	18,000		2.46	1.35	44.6	0.4	0.5	25	42	1	53.5	3.3	1.2	0.101
	52	15	1	15.90	7.85	TM6304	57.9	1.12	14,000	17,000		2.46	1.35	49.73	0.4	0.5	26.5	28.5	1	58.5	3.3	1.2	0.146
	62	16	1	19.50	11.30	TM6206/20	—	—	11,000	13,000		—	—	—	—	—	25	57	—	—	—	—	0.247
23	56	15	1	18.50	9.30	TM66/23	61.7	1.12	13,000	15,000		2.46	1.35	53.6	0.4	0.5	28.5	49.5	1	62.5	3.3	1.2	0.151
25	62	17	1.1	20.60	11.20	TM6305	67.7	1.7	11,000	13,000		3.28	1.9	59.61	0.6	0.5	31.5	55.5	1	68.5	4.6	1.7	0.225
25.5	58	16	1.1	19.50	11.20	TM66/25.5	63.7	1.12	13,000	15,000		2.46	1.35	55.6	0.4	0.5	33	53	1	64.5	3.3	1.2	0.203
28	58	16	1	16.60	9.50	TM62/28-2RSN	63.7	1.12	12,000	14,000		2.46	1.35	55.6	0.4	0.5	33	53	1	64.5	3.3	1.2	0.175
	68	18	1.1	26.70	14.00	TM63/28-2RS	74.6	1.7	10,000	13,000		3.28	1.9	64.82	0.6	0.5	34.5	38.5	1	76	4.6	1.7	0.292
	70	20	1.1	29.90	17.00	TM63/28X3-2RS	77	1.7	9,500	11,000		3.28	1.9	66.85	0.6	0.5	34.5	63.5	1	80	4.6	1.7	0.355
30	62	16	1	19.50	11.30	TM6206N	67.7	1.7	11,000	13,000		3.28	1.9	59.61	0.6	0.5	35	57	1	68.5	4.6	1.7	0.198
	62	17	1	29.90	17.30	TM6206X2-2RS	67.7	1.7	10,750	12,700		3.28	1.9	59.61	0.6	0.5	35	57	1	68.5	4.6	1.7	0.191
	72	19	1.1	26.70	15.00	TM6306	78.6	1.7	9,500	12,000		3.28	1.9	68.81	0.6	0.5	36.5	65.5	1	80	4.6	1.7	0.225
	75	21	1.1	33.00	17.00	30TM04-2RSN	81.6	1.7	9,200	11,000		3.28	1.9	71.83	0.6	0.5	38.5	68.5	1	83	4.6	1.7	0.370
32	75	20	1.1	29.90	17.00	TM63/32N	81.6	1.7	9,000	11,000		3.28	1.9	71.83	0.6	0.5	38.5	68.5	1	83	4.6	1.7	0.382
	80	23	1.5	39.70	21.50	32TM03-2RSN	84	1.7	8,700	10,000		4.75	2	77.6	0.6	0.5	40	72	1	88	4.6	1.7	0.420
35	62	14	1	15.90	10.30	TM6007	67.7	1.7	11,000	13,000		2.08	1.9	59.61	0.6	0.5	40	57	1	68.5	3.4	1.7	0.236
	72	17	1.1	25.70	15.30	TM6207	78.6	1.7	9,200	11,000		3.28	1.9	68.81	0.6	0.5	43	72	1.5	88	4.6	1.7	0.284
	80	21	1.5	33.50	19.20	TM6307N	86.6	1.7	8,500	10,000		3.28	1.9	76.81	0.6	0.5	43	72	1.5	88	4.6	1.7	0.460
	85	23	1.5	36.90	21.10	TM6307X3-2RSN	91.6	1.7	8,000	9,500		3.28	1.9	81.81	0.6	0.5	43	78	1.5	93	4.6	1.7	0.501
40	68	15	1	16.80	11.50	TM6008-2RSN	74.6	1.7	10,000	12,000		2.49	1.9	64.82	0.6	0.5	45	63	1	76	3.8	1.7	0.183
	80	18	1.1	29.10	17.90	TM6208	86.6	1.7	8,500	10,000		3.28	1.9	76.81	0.6	0.5	46.5	73.5	1	88	4.6	1.7	0.365
	90	23	1.5	40.50	24.00	TM6308	96.5	2.46	7,500	9,000		3.28	2.7	86.79	0.6	0.5	48	82	1.5	98	5.4	2.5	0.630
	92	25.5	1.5	36.90	21.10	TM6308X3-2RSNR	96.5	2.46	7,500	9,000		3.28	2.7	88.7	0.6	0.5	48	82	1.5	98	5.4	2.5	0.735
45	85	19	1.1	31.50	20.40	TM6209N	91.6	1.7	8,000	8,500		3.28	1.9	81.81	0.6	0.5	51.5	78.5	1	93	4.6	1.7	0.398
	100	25	1.5	53.00	32.00	TM6309N	106.5	2.46	6,700	8,000		3.28	2.7	96.8	0.6	0.5	53	92	1.5	108	5.4	2.5	0.822
55	100	21	1.5	43.50	29.30	TM6211	106.5	2.46	6,300	7,500		3.28	2.7	96.8	0.6	0.5	63	92	1.5	108	5.4	2.5	0.586
65	140	33	2.1	92.50	60.00	TM6313N	149.7	2.82	4,800	6,000		4.9	3.1	135.23	0.6	0.5	76	129	2	152	7.3	2.9	2.078