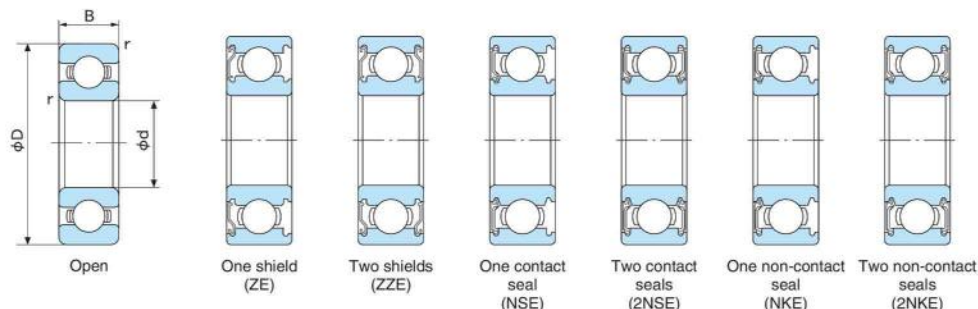
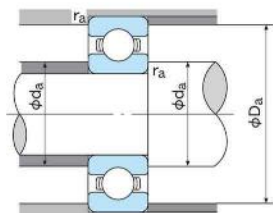


Deep-groove Ball Bearings

Bore Diameter : 10~25mm



Boundary dimensions (mm)				Bearing No.						
d	D	B	r (min)	Open type	Shield type		Contact seal type		Non-contact seal type	
10	19	5	0.3	6800	6800Z	6800ZZ	—	—	—	—
	22	6	0.3	6900	6900ZE	6900ZZE	6900NSE	6900-2NSE	6900NKE	6900-2NKE
	26	8	0.3	6000	6000ZE	6000ZZE	6000NSE	6000-2NSE	6000NKE	6000-2NKE
	30	9	0.6	6200	6200ZE	6200ZZE	6200NSE	6200-2NSE	6200NKE	6200-2NKE
	35	11	0.6	6300	6300ZE	6300ZZE	6300NSE	6300-2NSE	6300NKE	6300-2NKE
12	21	5	0.3	6801	6801ZE	6801ZZE	6801NSE	6801-2NSE	6801NKE	6801-2NKE
	24	6	0.3	6901	6901ZE	6901ZZE	6901NSE	6901-2NSE	6901NKE	6901-2NKE
	28	8	0.3	6001	6001ZE	6001ZZE	6001NSE	6001-2NSE	6001NKE	6001-2NKE
	32	10	0.6	6201	6201ZE	6201ZZE	6201NSE	6201-2NSE	6201NKE	6201-2NKE
	37	12	1	6301	6301ZE	6301ZZE	6301NSE	6301-2NSE	6301NKE	6301-2NKE
15	24	5	0.3	6802	6802ZE	6802ZZE	6802NSE	6802-2NSE	6802NKE	6802-2NKE
	28	7	0.3	6902	6902ZE	6902ZZE	6902NSE	6902-2NSE	6902NKE	6902-2NKE
	32	8	0.3	16002	—	—	—	—	—	—
	32	9	0.3	6002	6002ZE	6002ZZE	6002NSE	6002-2NSE	6002NKE	6002-2NKE
	35	11	0.6	6202	6202ZE	6202ZZE	6202NSE	6202-2NSE	6202NKE	6202-2NKE
17	42	13	1	6302	6302ZE	6302ZZE	6302NSE	6302-2NSE	6302NKE	6302-2NKE
	26	5	0.3	6803	6803ZE	6803ZZE	6803NSE	6803-2NSE	6803NKE	6803-2NKE
	30	7	0.3	6903	6903ZE	6903ZZE	6903NSE	6903-2NSE	6903NKE	6903-2NKE
	35	8	0.3	16003	—	—	—	—	—	—
	35	10	0.3	6003	6003ZE	6003ZZE	6003NSE	6003-2NSE	6003NKE	6003-2NKE
20	40	12	0.6	6203	6203ZE	6203ZZE	6203NSE	6203-2NSE	6203NKE	6203-2NKE
	47	14	1	6303	6303ZE	6303ZZE	6303NSE	6303-2NSE	6303NKE	6303-2NKE
	32	7	0.3	6804	6804ZE	6804ZZE	6804NSE	6804-2NSE	6804NKE	6804-2NKE
	37	9	0.3	6904	6904ZE	6904ZZE	6904NSE	6904-2NSE	6904NKE	6904-2NKE
	42	8	0.3	16004	—	—	—	—	—	—
22	42	12	0.6	6004	6004ZE	6004ZZE	6004NSE	6004-2NSE	6004NKE	6004-2NKE
	47	14	1	6204	6204ZE	6204ZZE	6204NSE	6204-2NSE	6204NKE	6204-2NKE
	52	15	1.1	6304	6304ZE	6304ZZE	6304NSE	6304-2NSE	6304NKE	6304-2NKE
25	50	14	1	62/22	62/22ZE	62/22ZZE	62/22NSE	62/22-2NSE	62/22NKE	62/22-2NKE
	56	16	1.1	63/22	63/22ZE	63/22ZZE	63/22NSE	63/22-2NSE	63/22NKE	63/22-2NKE
	37	7	0.3	6805	6805ZE	6805ZZE	6805NSE	6805-2NSE	6805NKE	6805-2NKE
	42	9	0.3	6905	6905ZE	6905ZZE	6905NSE	6905-2NSE	6905NKE	6905-2NKE
	47	8	0.3	16005	—	—	—	—	—	—
25	47	12	0.6	6005	6005ZE	6005ZZE	6005NSE	6005-2NSE	6005NKE	6005-2NKE
	52	15	1	6205	6205ZE	6205ZZE	6205NSE	6205-2NSE	6205NKE	6205-2NKE
	62	17	1.1	6305	6305ZE	6305ZZE	6305NSE	6305-2NSE	6305NKE	6305-2NKE



- Dynamic equivalent radial load
 $P_r = X F_r + Y F_a$

- Static equivalent radial load
 Larger value of following to be used:
 $P_{or} = 0.6 F_r + 0.5 F_a$
 $P_{or} = F_r$

$\frac{F_a}{F_r}$	e	$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
		X	Y	X	Y
0.014	0.19	1	0	0.56	2.30
0.028	0.22				1.99
0.056	0.26				1.71
0.084	0.28	1	0	0.56	1.55
0.11	0.30				1.45
0.17	0.34				1.31
0.28	0.38	1	0	0.56	1.15
0.42	0.42				1.04
0.56	0.44				1.00

1N=0.102kgf

Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (rpm)			Abutment and fillet dimensions (mm)			Mass (kg)	Bearing No.
		Grease lubrication		Oil lubrication	d _a (min)	D _a (max)	r _a (max)		
		Open type,ZE, ZZE,NKE,2NKE	NSE,2NSE	Open type,ZE					
2120	985	37000	24000	44000	12	17	0.3	0.005	6800
2490	1130	33000	22000	38000	12	20	0.3	0.009	6900
4550	1970	30000	20000	36000	12	24	0.3	0.019	6000
5100	2390	24000	17000	30000	15	25	0.6	0.032	6200
8100	3450	21000	17000	26000	15	30	0.6	0.053	6300
1920	1040	32000	20000	39000	14	19	0.3	0.006	6801
2700	1320	30000	19000	35000	14	22	0.3	0.011	6901
5100	2390	27000	17000	32000	14	26	0.3	0.023	6001
6800	3050	22000	16000	27000	17	27	0.6	0.037	6201
9750	4250	19000	15000	24000	18	31	1.0	0.060	6301
2080	1260	27000	16000	32000	17	22	0.3	0.007	6802
4300	2250	26000	15000	31000	17	26	0.3	0.016	6902
5600	2840	23000	—	28000	20	27	0.3	0.025	16002
5600	2840	23000	14000	28000	17	30	0.3	0.032	6002
7650	3700	19000	13000	24000	20	30	0.6	0.045	6202
11400	5400	17000	12000	20000	21	36	1.0	0.082	6302
2630	1570	25000	15000	30000	19	24	0.3	0.008	6803
4600	2550	24000	14000	29000	19	28	0.3	0.018	6903
6000	3250	20000	—	24000	22	30	0.3	0.032	16003
6000	3250	20000	13000	25000	19	33	0.3	0.039	6003
9550	4800	17000	12000	21000	22	35	0.6	0.065	6203
13600	6550	15000	11000	18000	23	41	1.0	0.115	6303
4000	2640	20000	12000	24000	22	30	0.3	0.019	6804
6350	3700	19000	11000	23000	22	35	0.3	0.036	6904
7900	4500	17000	—	21000	25	37	0.3	0.050	16004
9400	5000	17000	11000	21000	24	38	0.6	0.070	6004
12800	6600	14000	10000	18000	26	41	1.0	0.106	6204
15900	7900	13000	9500	16000	27	45	1.1	0.144	6304
13900	6950	13000	9000	17000	28	44	1.0	0.120	62/22
18400	9250	12000	8000	15000	29	49	1.0	0.176	63/22
4300	2940	18000	10000	20000	27	35	0.3	0.022	6805
7000	4500	16000	9500	20000	27	40	0.3	0.042	6905
6950	4600	15000	—	18000	30	42	0.3	0.060	16005
10100	5850	15000	9000	18000	29	43	0.6	0.079	6005
14000	7900	12000	8500	16000	31	46	1.0	0.128	6205
23600	12100	11000	8000	14000	32	55	1.0	0.232	6305