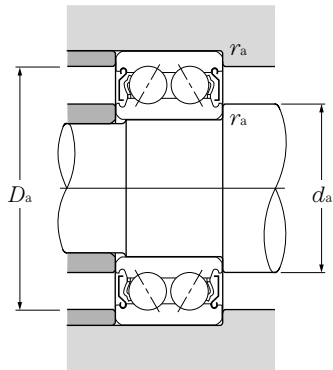


d 10 ~ 40mm

d	Boundary dimensions			Basic load ratings				Limiting speeds		Bearing numbers ^②		
	mm			dynamic	static	dynamic	static	rpm		sealed	non-contact type	contact type
	D	B	r _{s min} ^①	C _r	C _{or}	C _r	C _{or}	grease ZZ,LLB,LLU	oil Z,LB			
10	30	14.3	0.6	6.95	3.80	710	385	14,000	19,000	5200AZZ	LLB	LLU
12	32	15.9	0.6	7.60	4.50	775	455	13,000	17,000	5201AZZ	LLB	LLU
15	35	15.9	0.6	8.20	5.25	835	535	11,000	15,000	5202BZZ	LLB	LLU
	42	19	1	14.2	8.85	1,450	900	9,900	13,000	5302AZZ	LLB	LLU
17	40	17.5	0.6	10.8	7.10	1,100	720	9,900	13,000	5203BZZ	LLB	LLU
	47	22.2	1	17.4	10.4	1,770	1,060	9,000	12,000	5303CZZ	LLB	LLU
20	47	20.6	1	15.8	10.1	1,610	1,030	8,800	12,000	5204BZZ	LLB	LLU
	52	22.2	1.1	19.1	12.4	1,940	1,260	8,000	11,000	5304BZZ	LLB	LLU
25	52	20.6	1	18.2	13.2	1,850	1,350	7,300	9,800	5205BZZ	LLB	LLU
	62	25.4	1.1	26.5	17.9	2,700	1,830	6,700	8,900	5305CZZ	LLB	LLU
30	62	23.8	1	26.1	19.7	2,660	2,010	6,300	8,400	5206CZZ	LLB	LLU
	72	30.2	1.1	33.0	24.3	3,350	2,480	5,700	7,600	5306AZZ	LLB	LLU
35	72	27	1.1	33.0	24.5	3,350	2,500	5,500	7,400	5207AZZ	LLB	LLU
	80	34.9	1.5	49.5	35.0	5,050	3,550	5,000	6,600	5307AZZ	LLB	LLU
40	80	30.2	1.1	40.5	32.0	4,100	3,250	4,900	6,600	5208AZZ	LLB	LLU
	90	36.5	1.5	55.0	40.0	5,600	4,100	4,400	5,900	5308AZZ	LLB	LLU

① Smallest allowable dimension for chamfer dimension r.

② This bearing number is for double sealed and double shielded type bearings, but single sealed and single shielded type are also available.



Equivalent bearing load dynamic

$$P_r = XF_r + YF_a$$

e	$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
	X	Y	X	Y
0.80	1	0.78	0.63	1.24

static

$$P_{or} = F_r + 0.66F_a$$

Abutment and fillet dimensions				Load center mm a	Mass kg (approx.)
mm					
d_a		D_a	r_{as}		
min	max	max	max		
14.5	16	25.5	0.6	16.5	0.049
16.5	17	27.5	0.6	18.5	0.057
19.5	20	30.5	0.6	20.5	0.064
20.5	23	36.5	1	24	0.132
21.5	23	35.5	0.6	23	0.096
22.5	25	41.5	1	27	0.181
25.5	27	41.5	1	27.5	0.153
27	28.5	45	1	29.5	0.217
30.5	32	46.5	1	30.5	0.175
32	35	55	1	35.5	0.362
35.5	39	56.5	1	36.5	0.286
37	43	65	1	41	0.553
42	45	65	1	42	0.436
43.5	47	71.5	1.5	47.5	0.766
47	51	73	1	46	0.59
48.5	54	81.5	1.5	52.5	1.01