

Open type



Shielded type
(ZZ)



Non-contact
sealed type
(LLB, LLF)



Low torque
sealed type
(LLH)

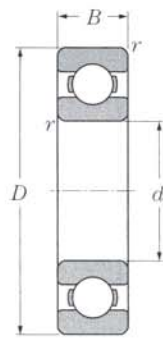


Contact
sealed type
(LLU)

d 10~20mm

Boundary dimensions					Basic load ratings				Limiting speeds				Bearing numbers				
mm					dynamic	static	dynamic	static	rpm				open type	sealed type	non-contact type	low torque type	contact type
d	D	B	r _{s min}	r _{ns min}	C _r	C _{0r}	C _r	C _{0r}	grease open type ZZ	oil open type Z	LLB	LLH	LLU				
10	15	3	0.1	—	0.855	0.435	87	44	10,000	12,000	—	—	6700	—	—	—	—
	19	5	0.3	—	1.83	0.925	187	94	32,000	38,000	—	24,000	6800	ZZ	LLB	—	LLU
	22	6	0.3	0.3	2.7	1.27	275	129	30,000	36,000	—	21,000	6900	ZZ	LLB	—	LLU
	26	8	0.3	—	4.55	1.96	465	200	29,000	34,000	25,000	21,000	6000	ZZ	LLB	LLH	LLU
	30	9	0.6	0.5	5.10	2.39	520	244	25,000	30,000	21,000	18,000	6200	ZZ	LLB	LLH	LLU
	35	11	0.6	0.5	8.20	3.50	835	355	23,000	27,000	20,000	16,000	6300	ZZ	LLB	LLH	LLU
12	18	4	0.2	—	0.930	0.530	95	54	8,300	9,500	—	—	6701	—	LLF	—	—
	21	5	0.3	—	1.92	1.04	195	106	29,000	35,000	—	20,000	6801	ZZ	LLB	—	LLU
	24	6	0.3	0.3	2.89	1.46	295	149	27,000	32,000	—	19,000	6901	ZZ	LLB	—	LLU
	28	7	0.3	—	5.10	2.39	520	244	26,000	30,000	—	—	16001	—	—	—	—
	28	8	0.3	—	5.10	2.39	520	244	26,000	30,000	21,000	18,000	6001	ZZ	LLB	LLH	LLU
	32	10	0.6	0.5	6.10	2.75	620	280	22,000	26,000	20,000	16,000	6201	ZZ	LLB	LLH	LLU
	37	12	1	0.5	9.70	4.20	990	425	20,000	24,000	19,000	15,000	6301	ZZ	LLB	LLH	LLU
15	21	4	0.2	—	0.940	0.585	96	59	6,600	7,600	—	—	6702	—	LLF	—	—
	24	5	0.3	—	2.08	1.26	212	128	26,000	31,000	—	17,000	6802	ZZ	LLB	—	LLU
	28	7	0.3	0.3	3.65	2.00	375	204	24,000	28,000	—	16,000	6902	ZZ	LLB	—	LLU
	32	8	0.3	—	5.60	2.83	570	289	22,000	26,000	—	—	16002	—	—	—	—
	32	9	0.3	0.3	5.60	2.83	570	289	22,000	26,000	18,000	15,000	6002	ZZ	LLB	LLH	LLU
	35	11	0.6	0.5	7.75	3.60	790	365	19,000	23,000	18,000	15,000	6202	ZZ	LLB	LLH	LLU
	42	13	1	0.5	11.4	5.45	1,170	555	17,000	21,000	15,000	12,000	6302	ZZ	LLB	LLH	LLU
17	23	4	0.2	—	1.00	0.660	102	67	5,000	6,700	—	—	6703	—	LLF	—	—
	26	5	0.3	—	2.23	1.46	227	149	24,000	28,000	—	15,000	6803	ZZ	LLB	—	LLU
	30	7	0.3	0.3	4.65	2.58	475	263	22,000	26,000	—	14,000	6903	ZZ	LLB	—	LLU
	35	8	0.3	—	6.80	3.35	695	345	20,000	24,000	—	—	16003	—	—	—	—
	35	10	0.3	0.3	6.80	3.35	695	345	20,000	24,000	16,000	14,000	6003	ZZ	LLB	LLH	LLU
	40	12	0.6	0.5	9.60	4.60	980	465	18,000	21,000	15,000	12,000	6203	ZZ	LLB	LLH	LLU
	47	14	1	0.5	13.5	6.55	1,380	665	16,000	19,000	14,000	11,000	6303	ZZ	LLB	LLH	LLU
	62	17	1.1	—	22.7	10.8	2,320	1,100	14,000	16,000	—	—	6403	—	—	—	—
20	27	4	0.2	—	1.04	0.730	106	74	5,000	5,700	—	—	6704	—	LLF	—	—
	32	7	0.3	0.3	4.00	2.47	410	252	21,000	25,000	—	13,000	6804	ZZ	LLB	—	LLU
	37	9	0.3	0.3	6.40	3.70	650	375	19,000	23,000	—	12,000	6904	ZZ	LLB	—	LLU
	42	8	0.3	—	7.90	4.50	810	455	18,000	21,000	—	—	16004	—	—	—	—
	42	12	0.6	0.5	9.40	5.05	955	515	18,000	21,000	13,000	11,000	6004	ZZ	LLB	LLH	LLU
	47	14	1	0.5	12.8	6.65	1,310	680	16,000	18,000	12,000	10,000	6204	ZZ	LLB	LLH	LLU
	52	15	1.1	0.5	15.9	7.90	1,620	805	14,000	17,000	12,000	10,000	6304	ZZ	LLB	LLH	LLU

① Smallest allowable dimension for chamfer dimension r.



Open type



Shielded type
(ZZ)



Non-contact
sealed type
(LLB, LLF)



Low torque
sealed type
(LLH)



Contact
sealed type
(LLU)

d 20~35mm

Boundary dimensions					Basic load ratings				Limiting speeds				Bearing numbers				
mm					dynamic		static		rpm				open type	sealed type	non-contact type	low torque type	contact type
d	D	B	r _s min.	r _{NS} min.	C _r	C _{or}	C _r	C _{or}	grease open type ZZ LLB	oil open type Z LB	LLH	LLU					
20	72	19	1.1	—	28.5	13.9	2,900	1,420	12,000	14,000	—	—	6404	—	—	—	—
22	44	12	0.6	0.5	9.40	5.05	955	515	17,000	20,000	13,000	10,000	60/22	ZZ	LLB	LLH	LLU
	50	14	1	0.5	12.9	6.80	1,320	690	14,000	17,000	12,000	9,700	62/22	ZZ	LLB	LLH	LLU
	56	16	1.1	0.5	18.4	9.25	1,880	945	13,000	15,000	11,000	9,200	63/22	ZZ	LLB	LLH	LLU
25	32	4	0.2	—	1.10	0.840	112	86	4,000	4,600	—	—	6705	—	LLF	—	—
	37	7	0.3	0.3	4.30	2.95	435	300	18,000	21,000	—	10,000	6805	ZZ	LLB	—	LLU
	42	9	0.3	0.3	7.05	4.55	715	460	16,000	19,000	—	9,800	6905	ZZ	LLB	—	LLU
	47	8	0.3	—	8.35	5.10	855	520	15,000	18,000	—	—	16005	—	—	—	—
	47	12	0.6	0.5	10.1	5.85	1,030	595	15,000	18,000	11,000	9,400	6005	ZZ	LLB	LLH	LLU
	52	15	1	0.5	14.0	7.85	1,430	800	13,000	15,000	11,000	8,900	6205	ZZ	LLB	LLH	LLU
	62	17	1.1	0.5	21.2	10.9	2,160	1,110	12,000	14,000	9,700	8,100	6305	ZZ	LLB	LLH	LLU
	80	21	1.5	—	34.5	17.5	3,550	1,780	10,000	12,000	—	—	6405	—	—	—	—
28	52	12	0.6	0.5	12.5	7.40	1,270	755	14,000	16,000	10,000	8,400	60/28	ZZ	LLB	LLH	LLU
	58	16	1	0.5	17.9	9.75	1,830	995	12,000	14,000	9,700	8,100	62/28	ZZ	LLB	LLH	LLU
	68	18	1.1	0.5	26.7	14.0	2,730	1,430	11,000	13,000	8,900	7,400	63/28	ZZ	LLB	LLH	LLU
30	37	4	0.2	—	1.14	0.950	117	97	3,300	3,800	—	—	6706	—	LLF	—	—
	42	7	0.3	0.3	4.70	3.65	480	370	15,000	18,000	—	8,800	6806	ZZ	LLB	—	LLU
	47	9	0.3	0.3	7.25	5.00	740	510	14,000	17,000	—	8,400	6906	ZZ	LLB	—	LLU
	55	9	0.3	—	11.2	7.35	1,150	750	13,000	15,000	—	—	16006	—	—	—	—
	55	13	1	0.5	13.2	8.3	1,350	845	13,000	15,000	9,200	7,700	6006	ZZ	LLB	LLH	LLU
	62	16	1	0.5	19.5	11.3	1,980	1,150	11,000	13,000	8,800	7,300	6206	ZZ	LLB	LLH	LLU
	72	19	1.1	0.5	26.7	15.0	2,720	1,530	10,000	12,000	7,900	6,600	6306	ZZ	LLB	LLH	LLU
	90	23	1.5	—	43.5	23.9	4,400	2,440	8,800	10,000	—	—	6406	—	—	—	—
32	58	13	1	0.5	11.8	8.05	1,200	820	12,000	15,000	8,700	7,200	60/32	ZZ	LLB	LLH	LLU
	65	17	1	0.5	20.7	11.6	2,110	1,190	11,000	12,000	8,400	7,100	62/32	ZZ	LLB	LLH	LLU
	75	20	1.1	0.5	29.8	16.9	3,050	1,730	9,500	11,000	7,700	6,500	63/32	ZZ	LLB	LLH	LLU
35	47	7	0.3	0.3	4.90	4.05	500	410	13,000	16,000	—	7,600	6807	ZZ	LLB	—	LLU
	55	10	0.6	0.5	9.55	6.85	975	695	12,000	15,000	—	7,100	6907	ZZ	LLB	—	LLU
	62	9	0.3	—	11.7	8.20	1,190	835	12,000	14,000	—	—	16007	—	—	—	—
	62	14	1	0.5	16.0	10.3	1,630	1,050	12,000	14,000	8,200	6,800	6007	ZZ	LLB	LLH	LLU
	72	17	1.1	0.5	25.7	15.3	2,620	1,560	9,800	11,000	7,600	6,300	6207	ZZ	LLB	LLH	LLU
	80	21	1.5	0.5	33.5	19.1	3,400	1,950	8,800	10,000	7,300	6,000	6307	ZZ	LLB	LLH	LLU
	100	25	1.5	—	55.0	31.0	5,600	3,150	7,800	9,100	—	—	6407	—	—	—	—

① Smallest allowable dimension for chamfer dimension r.