



微型軸承 Miniature Bearings



開放型
Open type



封鎖蓋型
Shielded type
ZZ



開放型
Open type



封鎖蓋型
Shielded type
ZZ · ZZ1

主要寸法 (Dimensions)						型號 (Bearing No.)		凸緣型號 (Flange type)		基本定額荷重 (Basic Load Ratings)		
d	D	B	B1	B2	C1	C2	JIS	ISO	F series No.		Cr (kgf)	Co (kgf)
1	3	1	—	3.0	0.3	—	801	—	LF-310	—	8	2.5
	3	1.6	—	—	—	—	—	—	—	—	8	2.8
	4	1.6	—	—	—	—	801	—	—	—	14	3.5
1.2	4	1.6	—	4.0	0.4	—	—	—	RF-410	—	14	3.5
	4	1.7	2	5.0	0.4	—	801a	L-415acc	LF-415	—	11	3.8
	4	1.6	2.5	—	—	—	—	L-415acc52	—	—	—	—
1.6	5	2	2.0	5.0	0.5	0.5	801a	R-515acc	RF-515	RF-515acc	24	7
	6	2.5	3	7.0	0.5	0.5	801a	R-615acc	RF-615	RF-615acc	34	10
	6	2.5	3	7.5	0.5	0.5	802	L-520acc	RF-520	RF-520acc	17	5
2	5	1.5	2.3	6.1	0.5	0.6	802	L-520acc52	—	—	16	6
	5	2	2.5	—	—	—	—	—	—	—	—	—
	5	2.5	—	—	—	—	—	—	—	—	—	—
2.5	6	2.5	3	7.5	0.5	0.5	802	R-620acc	RF-620	RF-620acc	34	10
	6	2.5	2.5	7.2	0.5	0.5	—	R-620acc52	RF-620acc52	RF-620acc52	34	10
	6	2.5	2.5	—	—	—	—	R-620acc5252	—	—	34	10
3	7	2.8	3.5	8.5	0.7	0.8	802	R-720acc	RF-720	RF-720acc	39	13
	7	2.5	3	8.2	0.5	0.5	—	R-720acc52	RF-720acc52	RF-720acc52	39	13
	7	2.5	3	8.2	0.5	0.5	—	R-720acc5252	—	—	39	13
3.5	8	1.8	2.6	7.1	0.5	0.5	802a	L-825acc	LF-825	LF-825acc	21	7.5
	7	2.5	3.5	8.5	0.7	0.7	802a	R-725acc	RF-725	RF-725acc	39	13
	7	—	3	8.2	0.5	—	—	R-725acc52	—	—	39	13
4	8	2.8	4	9.5	0.7	0.8	802a	R-825acc	RF-825	RF-825acc	57	18
	8	2.5	2.6	9.2	0.5	—	—	R-825acc52	RF-825acc52	—	56	18
	8	—	3.6	—	—	—	—	—	—	—	—	—
5	9	3	5	10.5	0.7	1.0	803	R-930acc	RF-930	RF-930acc	58	19
	9	2.5	4	10.2	0.5	—	—	R-930acc52	RF-930acc52	—	58	19
	9	—	4	10.8	0.5	—	—	—	—	—	58	19
10	10	4	4	11.5	1.0	1.0	823	R-1030acc	RF-1030	RF-1030acc	64	22
	10	3.5	—	—	—	—	—	—	—	—	—	—
	10	5	5	—	—	—	803	—	—	—	133	48



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基本尺寸 Dimensions				型號 Bearing No.					凸輪型號 Flange No.		基本負荷容量 Basic Load Ratings		
d	D	B	溝深	D1	C1	C2	JIS	ANSI	LF	RF	Co (kg)	Cor (kg)	
4	7	2	2.5	9.2	0.8	0.8	574	L-740zz	LF-740	LF-740zz	32	12	
	8	3	3	9.2	0.8	0.8	—	L-840z	LF-840	LF-840zz	40	14	
	9	3.5	4	10.3	0.8	0.8	684	L-940z	LF-940	LF-940zz	65	23	
	10	3	4	11.2	0.8	—	—	L-1040z	LF-1040	—	73	28	
	10	—	4	11.8	—	0.8	—	—	—	LF-1040z	73	28	
	11	4	4	12.5	1.0	1.0	684	R-1140z	RF-1140	RF-1040zz	96	35	
	11	3.5	—	—	—	—	—	—	—	—	—	—	—
	12	4	4	13.8	1.0	1.0	684	R-1240z	RF-1240	RF-1240zz	98	36	
	13	5	5	15.0	1.0	1.0	634	R-1340z	RF-1340	RF-1340zz	133	48	
	16	5	5	16.0	1.0	1.0	634	R-1640z	RF-1640	RF-1640zz	177	65	
5	8	2	2.5	9.2	0.8	0.8	675	L-890z	LF-890	LF-890z	31	12	
	8	2.5	—	—	—	—	—	—	—	—	—	—	
	9	2.5	3	10.2	0.8	0.8	—	L-950z	LF-950	LF-950z	44	17	
	10	3	4	11.2	0.8	—	—	L-1050z	—	—	44	17	
	10	—	4	11.8	—	0.8	—	—	—	LF-1050z	44	17	
	11	3	5	12.5	0.8	1.0	685	L-1150z	—	LF-1150z	73	28	
	11	—	4	12.6	—	0.8	—	L-1150zzz04	—	LF-1150zzz04	73	28	
	13	4	4	15.0	1.0	1.0	685	R-1350z	RF-1350	RF-1350z	110	44	
	13	—	5	15.0	1.0	1.0	—	R-1350zzz05	—	RF-1350zzz05	—	—	
	14	5	5	16.0	1.0	1.0	685	R-1450z	RF-1450	RF-1450z	136	52	
16	5	5	16.0	1.0	1.0	635	R-1650z	RF-1650	RF-1650z	177	65		
19	6	6	22.0	1.5	1.5	635	R-1950z	RF-1950	RF-1950z	236	90		
6	10	2.5	3	11.2	0.8	0.8	676	L-1060z	LF-1060	LF-1060z	61	23	
	12	3	4	13.2	0.8	—	—	L-1260z	LF-1260	—	73	30	
	12	—	4	13.8	—	0.8	—	—	—	LF-1260z	73	30	
	13	2.5	5	15.0	1.0	1.1	686	L-1360z	LF-1360	LF-1360z	110	45	
	13	—	4.5	—	—	—	—	L-1360zzz04	—	—	—	—	
	15	5	5	17.0	1.2	1.2	686	R-1560z	RF-1560	RF-1560z	177	65	
	17	6	6	19.0	1.3	1.3	686	R-1760z	RF-1760	RF-1760z	231	86	
	19	6	6	22.0	1.5	1.5	636	R-1960z	RF-1960	RF-1960z	236	90	
22	7	7	—	—	—	636	R-2260z	—	—	355	140		



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直徑寸法 (Dimensions)						型號 (Bearing No.)		凸緣型號 (Flange No.)		基本負荷容量 (Basic Load Ratings)		
d	D	B	B1	C1	C2	JIS	ISO			Cr(kg)	Co(kg)	
7	11	2.5	3	12.2	0.8	677	L-1178zz	LF-1178	LF-1178zz	47	21	
	13	3	4	14.2	0.8	—	L-1378zz	LF-1378	—	56	26	
	15	—	4	14.8	—	0.8	—	—	LF-1378zz	52	26	
	14	3.5	5	16.0	1.0	1.1	687	L-1478zz	LF-1478	LF-1478zz	120	52
	17	5	5	—	—	—	697	L-1778zz	—	—	164	73
	19	6	6	—	—	—	697	R-1978zz	—	—	208	90
	22	7	7	20.0	1.5	1.3	627	R-2278zz	RP-2278	RP-2278zz	325	140
	26	9	9	—	—	—	637	R-2678zz	—	—	468	201
8	12	2.5	3.5	13.2	0.8	—	678	L-1288zz	LF-1288	—	56	26
	12	—	3.5	13.8	—	0.8	—	—	—	LF-1288zz	56	26
	14	3.5	4	15.8	0.8	0.8	—	L-1488zz	LF-1488	LF-1488zz	83	39
	16	4	5	18.0	1.0	—	688	L-1688zz	LF-1688	LF-1688zz	164	73
	18	—	5	—	—	—	—	L1888zaw08	—	—	—	—
	19	6	6	20.0	1.5	1.3	688	R-1988zz	RP-1988	RP-1988zz	228	93
	22	7	7	20.0	1.5	1.3	638	R-2288zz	RP-2288	RP-2288zz	325	140
	24	8	8	—	—	—	628	R-2488zz	—	—	340	148
	26	9	9	—	—	—	638	R-2688zz	—	—	468	201
9	17	4	5	19.0	1.0	1.1	689	L-1788zz	LF-1788	LF-1788zz	136	60
	20	5	5	—	—	—	699	L-2088zz	—	—	173	80
	24	7	7	—	—	—	639	R-2488zz	—	—	340	148
	26	8	8	—	—	—	629	R-2688zz	—	—	462	201
	30	10	10	—	—	—	629	—	—	—	—	—
10	16	3	4	16.5	—	0.8	68MT-1610	A-1610zz	—	AP-1610zz	48	24
	19	4.5	5	—	—	—	—	L-1910zz	—	—	163	80
	19	5	7	22.0	—	1.3	—	L-1910zz	—	LF-1910zz	163	80
	20	6	6	—	—	—	—	R-2010zz	—	—	620	284
	26	8	8	—	—	—	6000	R-2610zz	—	—	—	—
15	20	3.5	—	—	—	—	68MT-2015	A-2015zz	—	—	52	30
	21	3.5	—	—	—	—	68MT-2115	A-2115zz	—	—	60	30
18	22	4	—	—	—	—	68MT-2218	A-2218zz	—	—	53	23
18	24	4	—	—	—	—	68MT-2418	A-2418zz	—	—	54	25
20	26	4	—	—	—	—	68MT-2620	A-2620zz	—	—	54	27



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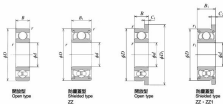


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基本尺寸 Dimensions						型號 Bearing No.		公差等級 Tolerance			基本型荷重額定值 Basic Load Rating (C ₁₀ /C ₉₀)	
d	D	B	C1	C2	C1	C2	JIS	ANSI	ISO	ISO	C ₁₀	C ₉₀
1 818	18	5.1913	—	—			R1-2	—	—		7	2
1 200	376	5.64	7.64	5.644	0.584	0.787	R1-3	R1-3zz	R1F-3	R1F-3zz	15	6
564	14	3.02	3.57	7.518	0.584	0.787	—	R1-4zz	R1F-4	R1F-4zz	18	7
302	576	1.78	3.72	5.644	0.487	0.787	R1-3032	R1-3303zz	R1F-3032	R1F-3303zz	9	3.5
302	576	2.78	3.57	8.118	0.584	0.787	R1-5	R1-5zz	R1F-5zz	R1F-5zz	33	13
18	14	3.02	7.64	7.518	0.584	0.787	R1-144	R1-418zz	R1F-418	R1F-418zz	18	7
18	576	7.64	8.64	8.118	0.584	0.787	R2-5	R1-518zz	R1F-518	R1F-518zz	33	13
18	38	7.64	8.64	10.716	0.584	0.787	R2-6	R1-618zz	R1F-618	R1F-618zz	33	13
18	58	5.02	5.02	11.176	0.782	0.782	R1-2	R1-2zz	R1F-2zz	R1F-2zz	37	15
502	576	7.64	1.8	8.118	0.584	0.814	R1-188	R1-803zz	R1F-8032	R1F-8033zz	24	9.5
318	576	7.64	1.8	8.118	0.584	0.814	R1-188	R1-803zz	R1F-8032	R1F-8033zz	24	9.5
318	58	1.8	1.8	10.716	0.584	0.788	R1-188	R1-803zz	R1F-8032	R1F-8033zz	24	9.5
318	12	5.02	5.02	14.281	1.087	1.087	R1-3	R1-3zz	R1F-3	R1F-3zz	77	34
318	12	5.02	5.02	—	—	—	R1-3	R1-3zz	R1F-3	R1F-3zz	77	34
14	58	1.8	1.8	10.716	0.584	0.814	R1-188	R1-814zz	R1F-814	R1F-814zz	23	11
14	12	1.8	3.78	13.684	0.584	1.143	R1-188	R1-814zz	R1F-814	R1F-814zz	63	26
14	58	5.02	5.02	17.526	1.087	1.087	R1-4	R1-4zz	R1F-4	R1F-4zz	88	36
14	54	7.02	5.02	—	—	—	R1-4A	R1-1214zz	—	—	108	45
518	12	5.02	5.02	13.684	0.787	0.787	R1-1810	R1-8078zz	R1F-8070	R1F-8078zz	50	24
38	18	7.02	5.02	24.813	—	1.578	R1-6	R1-1438zz	—	R1F-8cc	261	137
12	14	1.4	5.78	—	—	—	R1-6	R1-1612zz	—	—	318	177
68	14	5.02	11.02	—	—	—	R1-10	R1-16zz	—	—	—	—
34	14	5.78	7.78	—	—	—	R1-12	R1-12zz	—	—	—	—
78	14	5.8	1.2	—	—	—	R1-14	R1-14zz	—	—	—	—
7	2	3.8	1.2	—	—	—	R1-18	R1-18zz	—	—	—	—
14	24	3.8	1.2	—	—	—	R1-18	R1-18zz	—	—	—	—
14	24	3.8	1.2	—	—	—	R1-20	R1-20zz	—	—	—	—
14	24	3.78	5.78	—	—	—	R1-22	R1-22zz	—	—	—	—
14	24	3.78	5.78	—	—	—	R1-26	R1-24zz	—	—	—	—



特殊尺寸軸承 Special Size Bearings

主要寸法 Dimensions							軸承型號 Bearing No.				基本定時負荷(kg)		極限速率(rpm)	
d	D	B	B1	D1	C1	C2	JIS	MMB	C	Co	Grease stress	Oil stress		
36	58	5/32	5/32				RI-1008	RI-1008zz	44	31				
52	84	5/32	5/32				RI-1212	RI-1212zz	51	38				
58	78	5/32	5/32				RI-1458	RI-1458zz	53	31				
34	1"	5/32	5/32				RI-1634	RI-1634zz	58	38				
58	58	-	3/16					F-32Z						
316	818	-	1/4					F-32Z						
194	58	-	1/4					F-42Z						
516	1118	-	1/4					F-52Z						

薄型軸承 6700 系列 Thin Section 6700 Series bearings

主要寸法 Dimensions							軸承型號 Bearing No.				基本定時負荷(kg)		極限速率(rpm)	
d	D	B	B1	D1	C1	C2	JIS	MMB	C	Co	Grease stress	Oil stress		
10	18	4	4	18.5		5.8	6790	A-1510	126	57	36000	42000		
12	18	4	4				6791		108	67	32000	38000		
15	21	4	4				6792		117	81	26000	34000		
17	23	4	4				6793		123	85	26000	31000		
20	27	4	4				6794		153	135	23000	28000		
25	32	4	4				6795		197	158	19000	23000		
30	37	4	4				6796		208	182	17000	20000		
35	44	5	5				6797							
40	50	5	5				6798							
45	55	5	5				6799							



微型推力軸承 Miniature Thrust Ball Bearing

F形

F

內徑 2 ~ 10mm

Bore diameter 2 ~ 10mm



軸承型號 Bearing numbers	主要尺寸(mm) Boundary dimensions					基本負荷容量 Basic load ratings			
	d	D	T	r	(N)		(kgf)		
					最小mm	Ca	Ca	Ca	Ca
F2-6	2	6	3.0	0.1	143	63	15	8.5	
F2-7	2.5	7	3.5	0.1	169	120	20	12	
F3-8	3	8	3.5	0.15	212	140	22	14	
F4-9	4	9	4.0	0.15	221	160	22	16	
F4-10	4	10	4.5	0.15	265	245	28	28	
F5-11	5	11	4.5	0.15	240	245	25	25	
F5-12	5	12	4.5	0.15	290	315	40	32	
F7-15	7	15	5.0	0.2	799	620	81	64	
F8-16	8	16	5.0	0.2	535	445	55	43	
F9-17	9	17	5.0	0.2	615	710	83	72	
F10-18	10	18	5.5	0.2	800	710	81	72	

F-M形

F-M

內徑 3.2 ~ 10.2mm

Bore diameter 3.2 ~ 10.2mm



軸承型號 Bearing numbers	主要尺寸(mm) Boundary dimensions					基本負荷容量 Basic load ratings			
	d	dL	D	DL	T	(N)		(kgf)	
						Ca	Ca	Ca	Ca
F3-3M	3	3.2	7.8	8	3.5	880	771	88	79
F4-4M	4	4.2	8.8	9	4	978	771	83	76
F4-10M	4	4.2	9.8	10	4	790	771	82	79
F5-12M	5	5.2	9.8	10	4	1025	1186	108	118
F5-13M	5	5.2	11.8	12	4	912	1028	93	103
F5-12M	5	5.2	11.8	12	4.5	1579	1535	161	167
F6-14M	6	6.25	13.8	14	5	1883	2023	192	208
F7-15M	7	7.2	14.8	15	5.5	1863	2023	192	208
F7-17M	7	7.2	16.8	17	5	2045	3146	270	321
F8-18M	8	8.2	16.8	19	7	3289	4710	347	418
F9-17M	9	9.2	16.8	17	5	3213	4128	358	421
F9-20M	9	9.2	16.8	20	7	3327	4710	348	418
F10-20M	10	10.2	16.8	20	5.5	4757	6243	486	637