



OPEN WITH FLANGED OUTER RING



SHIELDED WITH FLANGED OUTER RING



Design Drawing

Bearing Picture

### F series Flanged Ball Bearings Specification

Note: d: Bore Diameter, D: Outer Diameter, D1: Flange Outer Diameter, B: OPEN type Width, B1: ZZ type Width, C1 & C2: Flange Width.

Bearing No.	d	D	D1		B	B1	C1	C2	Chamfer r	Cr(N)	Cor(N)	Rotation Limited					
			OPEN	ZZ								OPEN	ZZ	OPEN	ZZ	Grease	Oil
													*1000rpm				
MF63-ZZ	3	6	7.2		2	2.5	0.6	0.6	0.1	209	74	71	80				
F683-ZZ		7	8.1		2	3	0.5	0.8	0.1	311	112	63	75				
MF83-ZZ		8	9.2		2.5	3	0.6	-	0.15	395	141	60	67				
F693-ZZ		8	9.5		3	4	0.7	0.9	0.15	558	180	60	67				
MF93-ZZ		9	10.2	10.6	2.5	4	0.6	0.8	0.2	571	189	56	67				
F603-ZZ		9	10.5		3	5	0.7	-	0.15	571	189	56	67				
F623-ZZ		10	11.5		4	4	1	1	0.15	631	219	50	60				
MF74-ZZ	4	7	8.2		2	2.5	0.6	0.6	0.1	255	108	60	67				
MF84-ZZ		8	9.2		2	3	0.6	0.6	0.1	395	141	56	67				
F684-ZZ		9	10.3		2.5	4	0.6	1	0.15	641	227	53	63				
MF104-ZZ		10	11.2	11.6	3	4	0.6	0.8	0.15	711	272	48	56				
F694-ZZ		11	12.5		4	4	1	1	0.2	957	350	48	56				
F604-ZZ		12	13.5		4	4	1	1	0.2	957	350	48	56				
F624-ZZ		13	15		5	5	1	1	0.2	1301	488	40	48				
F634-ZZ	16	18		5	5	1	1	0.3	1340	523	36	43					
MF85-ZZ	5	8	9.2		2	2.5	0.6	0.6	0.1	218	90	53	63				
MF95-ZZ		9	10.2		2.5	3	0.6	0.6	0.15	431	169	50	60				
MF105-ZZ		10	11.2	11.6	3	4	0.6	0.8	0.15	431	169	50	60				
MF115-ZZ		11	12.5		-	4	0.8	1	0.15	716	282	45	53				
F685-ZZ		11	12.5		3	5	0.8	1	0.15	716	282	45	53				
F695-ZZ		13	15		4	4	1	1	0.2	1077	432	43	50				
F605-ZZ		14	16		5	5	1	1	0.2	1329	507	40	50				
F625-ZZ	16	18		5	5	1	1	0.3	1729	675	36	43					
F635-ZZ	19	22		6	6	1.5	1.5	0.3	2336	896	32	40					

MF106-ZZ	6	10	11.2		2.5	3	0.6	0.6	0.15	496	218	45	53
MF126-ZZ		12	13.2	13.6	3	4	0.6	0.8	0.2	716	295	43	50
F686-ZZ		13	15		3.5	5	1	1.1	0.15	1082	442	40	50
F696-ZZ		15	17		5	5	1.2	1.2	0.2	1340	523	40	45
F606-ZZ		17	19		6	6	1.2	1.2	0.3	2263	846	38	45
F626-ZZ		19	22		6	6	1.5	1.5	0.3	2336	896	32	40
MF117-ZZ	7	11	12.2		2.5	3	0.6	0.6	0.2	455	202	43	50
MF137-ZZ		13	14.2	14.6	3	4	0.6	0.8	0.2	541	276	40	48
F687-ZZ		14	16		3.5	5	1	1.1	0.2	1173	513	40	50
F697-ZZ		17	19		5	5	1.2	1.2	0.3	1605	719	36	43
F607-ZZ		19	22		6	6	1.5	1.5	0.3	2336	896	36	43
F627-ZZ		22	25		7	7	1.5	1.5	0.3	3287	1379	30	36
MF128-ZZ	8	12	13.2	13.6	2.5	3.5	0.6	0.8	0.15	543	274	40	48
MF148-ZZ		14	15.6		3.5	4	0.8	0.8	0.2	817	386	38	45
F688-ZZ		16	18		4	5	1	1.1	0.2	1252	592	36	43
F698-ZZ		19	22		6	6	1.5	1.5	0.3	2237	917	36	43
F608-ZZ		22	25		7	7	1.5	1.5	0.2	3293	1379	34	40
F689-ZZ	9	17	19		4	5	1	1.1	0.3	1327	668	36	43
F699-ZZ		20	23		6	6	1.5	1.5	0.3	2467	1081	34	40
F6700-ZZ	10	15	16.5	16.5	3	4	0.8	0.8	0.2	850	430	14	16
F6800-ZZ		19	21		5	5	1	1	0.3	1700	800	35	42
F6900-ZZ		22	25		6	6	1.5	1.5	0.3	2611	1223	31	40
F6000-ZZ		26	28		-	8	-	2	0.3	4550	1960	20	28
F6200-ZZ		30	32.25		-	9	-	2.25	0.6	5000	2300	20	26
F6300-ZZ		35	37.75		-	11	-	2.75	0.6	5000	2300	20	
F6701-ZZ	12	18	19.5	19.5	4	4	0.8	0.8	0.3	922	512	12	14
F6801-ZZ		21	23		5	5	0.8	1	0.3	1911	1041	33	39
F6901-ZZ		24	26.5		6	6	1	1.5	0.3	2831	1411	31	36
F6001-ZZ		28	30		-	8	-	2	0.3	5000	2300	19	26
F6201-ZZ		32	34.25		-	9	2.5	0.6	0.6	6100	3.05	18	24
F6301-ZZ		37	40		-	12	-	3	1	9720	5080	17	22
F6802-ZZ	15	24	26		-	5	-	1.1	0.3	1900	1000	22	30
F6002-ZZ		32	34.25		-	9	-	2.25	0.3	5500	2840	18	24
F6202-ZZ		35	37.75		-	11	-	2.75	0.6	7650	3700	17	22
F6302-ZZ		42	45		-	13	-	3	1	11500	5420	16	20
F6003-ZZ	17	35	37.5		-	10	-	2.5	0.3	6000	3200	17	21
F6203-ZZ		40	43		-	12	-	3	0.6	9580	4780	16	20
F6303-ZZ		47	50.5		-	14	-	3.5	1	13500	6580	15	18
F6004-ZZ	20	42	45		-	12	-	3	0.6	9300	5000	16	19
F6204-ZZ		47	50.5		-	14	-	3.5	1	12800	6650	14	18
F6304-ZZ		52	55.75		-	15	-	3.75	1	22700	10800	11	15
FR155-ZZ	3.967	7.938	9.119		2.779	3.175	0.584	0.914	0.1	359	150	53	63
FR156-ZZ	4.762	7.938	9.119		2.779	3.175	0.584	0.914	0.1	359	150	53	63
FR166-ZZ		9.525	10.719		3.175	3.175	0.584	0.787	0.1	709	272	50	60
FR3-ZZ			12.7	14.351		3.967	4.978	1.067	1.067	0.3	1301	488	43

FR168-ZZ	6.35	9.525	10.719	3.175	3.175	0.584	0.914	0.1	373	172	48	56
FR188-ZZ		12.7	13.894	3.175	4.762	0.584	1.143	0.15	1082	442	40	50
FR4-ZZ		15.878	17.526	4.978	4.978	1.067	1.067	0.3	1480	621	38	45
FR1810-ZZ	7.938	12.7	13.894	3.967	3.967	0.787	0.787	0.15	542	276	40	48
FR6-ZZ	9.525	22.225	24.613	5.558	7.142	1.575	1.575	0.4	3332	1422	32	38
FR8-ZZ	12.7	28.575	31.12	6.35	7.938	1.575	1.575	0.4	0.4	5108	24	27

#### REMARKS:

1. Bearing material: Chrome Steel AISI 52100 for races and balls.
2. Bearing accuracy: ABEC-1 or ABEC-3 grade.
3. Bearing brand: PLB, QJZ, neutral brand, OEM service is welcome.
4. Bearing lubrication: SHELL bearing grease. If need other brand grease, we can do it for you.
5. Bearing packing: industrial packaging(10 pcs per plastic tube or oiled paper, export carton, wooden case). Other packing is OK.
6. Bearing stock: 2000 - 3000 pcs per item. If your order quantity beyond this qty, we can finish it with 3 - 5 days for you.
7. If you have **special requirements** or special flanged ball bearing **Sample / Drawing**, please feel free to contact me via [jian.peng@vip.163.com](mailto:jian.peng@vip.163.com).

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