

# METRIC FLANGED MINIATURE BALL BEARINGS



Material: Inner Ring, Outer Rings and Balls - SAE52100 Chrome Steel

Material: SAE52100 Chrome Steel

Seals: NBR Rubber / Shields: SAE52100 Chrome Steel

Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
F682	2	5	1.5	169	50	85	100	0.001
F682-ZZ	2	5	2.3	169	50	85	100	0.001
MF52-ZZ	2	5	2.5	169	50	85	100	0.001
F692	2	6	2.3	330	99	75	90	0.001
MF62	2	6	2.5	330	99	75	90	0.001
MF62-ZZ	2	6	2.5	330	99	75	90	0.001
F692	2	6	2.3	330	99	75	90	0.001
F692-ZZ	2	6	3	330	99	75	90	0.001
MF63	3	6	2	209	74	71	80	0.001
MF63-ZZ	3	6	2.5	209	74	71	80	0.001
F683	3	7	2	311	112	63	75	0.001
F683-ZZ	3	7	3	311	112	63	75	0.001
MF83	3	8	2.5	395	141	60	67	0.001
F693	3	8	3	558	180	60	67	0.001
MF83-ZZ	3	8	3	395	141	60	67	0.001
F693-ZZ	3	8	4	558	180	60	67	0.001

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				dynamic	static	grease	oil	
MF93	3	9	2.5	571	189	56	67	0.001
F603	3	9	3	571	189	56	67	0.002
MF93-ZZ	3	9	4	571	189	56	67	0.002
F603-ZZ	3	9	5	571	189	56	67	0.002
F623	3	10	4	631	219	50	60	0.002
F623-ZZ	3	10	4	631	219	50	60	0.002
MF74	4	7	2	255	108	60	67	0.001
MF74-ZZ	4	7	2.5	255	108	60	67	0.001
MF84	4	8	2	395	141	56	67	0.001
MF84-ZZ	4	8	3	395	141	56	67	0.002
F684	4	9	2.5	641	227	53	63	0.002
F684-ZZ	4	9	4	641	227	53	63	0.002
MF104	4	10	3	711	272	48	56	0.002
MF104-ZZ	4	10	4	711	272	48	56	0.002
F694-ZZ	4	11	4	957	350	48	56	0.002
F604-ZZ	4	12	4	957	350	48	56	0.003

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				dynamic	static	grease	oil	
F624-ZZ	4	13	5	1301	488	40	48	0.004
F634-ZZ	4	16	5	1340	523	36	43	0.006
MF85	5	8	2	218	90	53	63	0.001
MF85-ZZ	5	8	2.5	218	90	53	63	0.001
MF95	5	9	2.5	431	169	50	60	0.001
MF95-ZZ	5	9	3	431	169	50	60	0.001
MF105	5	10	3	431	169	50	60	0.002
MF105-ZZ	5	10	4	431	169	50	60	0.002
F685	5	11	3	716	282	45	53	0.002
MF115-ZZ	5	11	4	716	282	45	53	0.001
F685-ZZ	5	11	5	716	282	45	53	0.002
F695-ZZ	5	13	4	1077	432	43	50	0.003
F605-ZZ	5	14	5	1329	507	40	50	0.005
F625-ZZ	5	16	5	1729	675	36	43	0.006
F635-ZZ	5	19	6	2336	896	32	40	0.01
MF106	6	10	2.5	496	218	45	53	0.001

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Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
MF106-ZZ	6	10	3	496	218	45	53	0.001
MF126	6	12	3	716	295	43	50	0.002
MF126-ZZ	6	12	4	716	295	43	50	0.002
F686	6	13	3.5	1082	442	40	50	0.004
F686-ZZ	6	13	5	1082	442	40	50	0.004
F686-2RS	6	13	5	1082	442	40	50	0.004
F696-ZZ	6	15	5	1340	523	40	45	0.004
F606-ZZ	6	17	6	2263	846	38	45	0.008
F606-2RS	6	17	6	2263	846	38	45	0.008
F626-ZZ	6	19	6	2336	896	32	40	0.01
F626-2RS	6	19	6	2336	896	32	40	0.01
MF117-ZZ	7	11	3	455	202	43	50	0.001
MF137-ZZ	7	13	3	541	276	40	48	0.003
F687-ZZ	7	14	3.5	1173	513	40	50	0.004
F697-ZZ	7	17	5	1605	719	36	43	0.006
F607-ZZ	7	19	6	2336	896	36	43	0.01

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				dynamic	static	grease	oil	
F607-2RS	7	19	6	2336	896	36	43	0.01
F627-ZZ	7	22	7	3287	1379	30	36	0.015
MF128-ZZ	8	12	2.5	543	274	40	48	0.002
MF148-ZZ	8	14	3.5	817	386	38	45	0.003
MF148-2RS	8	14	4	817	386	38	45	0.003
F688	8	16	4	1252	592	36	43	0.003
F688-ZZ	8	16	5	1252	592	36	43	0.004
F688-2RS	8	16	5	1252	592	36	43	0.004
F698-ZZ	8	19	6	2237	917	36	43	0.008
F608-ZZ	8	22	7	3293	1379	34	40	0.015
F608-2RS	8	22	7	3293	1379	34	40	0.015
F689-ZZ	9	17	5	1327	668	36	43	0.005
F689-2RS	9	17	5	1327	668	36	43	0.005
F699-ZZ	9	20	6	2467	1081	34	40	0.01
F609-ZZ	9	24	7	3356	1444	32	38	0.018