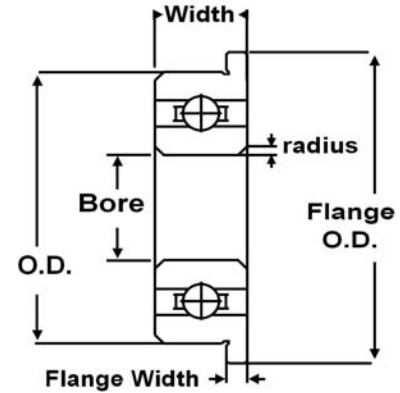


# Flanged Miniature Bearings

*Metric series for shaft sizes from 1mm to 9mm*

*Chrome steel and stainless steel*

This series can be supplied in SAE52100 chrome steel and AISI440C or KS440 (ACD34/X65Cr13) stainless steel and can withstand heavy radial loads and moderate thrust loads in both directions. Flanged miniature bearings have an outer ring flange to facilitate location in a housing.



Bore	O.D.	Flange O.D.	r.min.	Open Bearing			Shielded Bearing			Sealed Bearing		
				Width	Flange Width	SMB Ref	Width	Flange Width	SMB Ref.	Width	Flange Width	SMB Ref.
<i>Dimensions in mm.</i>												
<i>Load and speed ratings are the same as for Metric Miniature Bearings</i>												
1	3	3.8	0.05	1	0.3	F681						
	4	5	0.1	1.6	0.5	F691						
1.2	4	4.8	0.1	1.8	0.4	MF41X						
1.5	4	5	0.05	1.2	0.4	F681X	2	0.6	F681XZZ			
	5	6.5	0.15	2	0.6	F691X	2.6	0.8	F691XZZ			
	6	7.5	0.15	2.5	0.6	F601X	3	0.8	F601XZZ			
2	5	6.1	0.08	1.5	0.5	F682	2.3	0.6	F682ZZ			
	5	6.2	0.1	2	0.6	MF52	2.5	0.6	MF52ZZ			
	6	7.5	0.15				2.3	0.6	F692ZZW23			
	6	7.5	0.15	2.3	0.6	F692	3	0.8	F692ZZ			
	6	7.2	0.15	2.5	0.6	MF62	2.5	0.6	MF62ZZ			
	7	8.2	0.15	2.5	0.6	MF72	3	0.6	MF72ZZ			
	7	8.5	0.15	2.8	0.7	F602	3.5	0.9	F602ZZ			
2.5	6	7.1	0.08	1.8	0.5	F682X	2.6	0.8	F682XZZ			
	7	8.5	0.15	2.5	0.7	F692X	3.5	0.9	F692XZZ			
	8	9.2	0.2	2.5	0.6	MF82X						
	8	9.5	0.15	2.8	0.7	F602X	4	0.9	F602XZZ			



# Flanged Miniature Bearings

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*Chrome steel and stainless steel*



Bore	O.D.	Flange O.D.	r.min.	Open Bearing			Shielded Bearing			Sealed Bearing		
				Width	Flange Width	SMB Ref	Width	Flange Width	SMB Ref.	Width	Flange Width	SMB Ref.
3	6	7.2	0.1	2	0.6	MF63	2.5	0.6	MF63ZZ			
	7	8.1	0.1	2	0.5	F683	3	0.8	F683ZZ			
	8	9.2	0.15	2.5	0.6	MF83						
	8	9.5	0.15	3	0.7	F693	4	0.9	F693ZZ			
	9	10.2	0.2	2.5	0.6	MF93						
	9	10.6	0.2				4	0.8	MF93ZZ			
	9	10.5	0.15	3	0.7	F603	5	1	F603ZZ			
	10	11.5	0.15	4	1	F623	4	1	F623ZZ	4	1	F623-2RS
4	7	8.2	0.1	2	0.6	MF74	2.5	0.6	MF74ZZ			
	8	9.2	0.15	2	0.6	MF84	3	0.6	MF84ZZ			
	9	10.3	0.1				3.5	1	F684ZZW35			
	9	10.3	0.1	2.5	0.6	F684	4	1	F684ZZ	4	1	F684-2RS
	10	11.2	0.2	3	0.6	MF104						
	10	11.6	0.2				4	0.8	MF104ZZ			
	11	12.5	0.15	4	1	F694	4	1	F694ZZ	4	1	F694-2RS
	12	13.5	0.2	4	1	F604	4	1	F604ZZ	4	1	F604-2RS
	13	15	0.2	5	1	F624	5	1	F624ZZ	5	1	F624-2RS
	16	18	0.3	5	1	F634	5	1	F634ZZ	5	1	F634-2RS
5	8	9.2	0.1	2	0.6	MF85	2.5	0.6	MF85ZZ			
	9	10.2	0.15	2.5	0.6	MF95	3	0.6	MF95ZZ			
	10	11.2	0.15	3	0.6	MF105						
	10	11.6	0.15				4	0.8	MF105ZZ	4	0.8	MF105-2RS
	11	12.6	0.15				4	0.8	MF115ZZ	4	0.8	MF115-2RS

*5mm bore continued on next page*

# Flanged Miniature Bearings

Metric series for shaft sizes from 1mm to 9mm

Chrome steel and stainless steel

Bore	O.D.	Flange O.D.	r.min.	Open Bearing			Shielded Bearing			Sealed Bearing		
				Width	Flange Width	SMB Ref	Width	Flange Width	SMB Ref.	Width	Flange Width	SMB Ref.
5 (cont)	11	12.5	0.15	3	0.8	F685	5	1	F685ZZ	5	1	F685-2RS
	13	15	0.2	4	1	F695	4	1	F695ZZ	4	1	F695-2RS
	13	15	0.2				5	1	F695ZZW5	5	1	F695-2RSW5
	14	16	0.2	5	1	F605	5	1	F605ZZ	5	1	F605-2RS
	16	18	0.3	5	1	F625	5	1	F625ZZ	5	1	F625-2RS
	19	22	0.3	6	1.5	F635	6	1.5	F635ZZ	6	1.5	F635-2RS
6	10	11.2	0.15	2.5	0.6	MF106	3	0.6	MF106ZZ	3	0.6	MF106-2RS
	12	13.2	0.2	3	0.6	MF126						
	12	13.6	0.2				4	0.8	MF126ZZ	4	0.8	MF126-2RS
	13	15	0.15				4.5	1.1	F686ZZW45	4.5	1.1	F686-2RSW45
	13	15	0.15	3.5	1	F686	5	1.1	F686ZZ	5	1.1	F686-2RS
	15	17	0.2	5	1.2	F696	5	1.2	F696ZZ	5	1.2	F696-2RS
	17	19	0.3	6	1.2	F606	6	1.2	F606ZZ	6	1.2	F606-2RS
	19	22	0.3	6	1.5	F626	6	1.5	F626ZZ	6	1.5	F626-2RS
7	11	12.2	0.15	2.5	0.6	MF117	3	0.6	MF117ZZ			
	13	14.2	0.2	3	0.6	MF137	4	0.8	MF137ZZ			
	13	14.6	0.2				4	0.8	MF137ZZ			
	14	16	0.15	3.5	1	F687	5	1.1	F687ZZ	5	1.1	F687-2RS
	17	19	0.3	5	1.2	F697	5	1.2	F697ZZ	5	1.2	F697-2RS
	19	22	0.3	6	1.5	F607	6	1.5	F607ZZ	6	1.5	F607-2RS
	22	25	0.3	7	1.5	F627	7	1.5	F627ZZ	7	1.5	F627-2RS



# Flanged Miniature Bearings

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*Chrome steel and stainless steel*



Bore	O.D.	Flange O.D.	r.min.	Open Bearing			Shielded Bearing			Sealed Bearing		
				Width	Flange Width	SMB Ref	Width	Flange Width	SMB Ref.	Width	Flange Width	SMB Ref.
8	12	13.2	0.15	2.5	0.6	MF128	3.5	0.8	MF128ZZ			
	12	13.6	0.15				3.5	0.8	MF128ZZ			
	14	15.6	0.2	3.5	0.8	MF148	4	0.8	MF148ZZ			
	16	18	0.2	4	1	F688	5	1.1	F688ZZ	5	1.1	F688-2RS
	16	18	0.2				6	1.1	F688ZZW6	6	1.1	F688-2RSW6
	19	22	0.3	6	1.5	F698	6	1.5	F698ZZ	6	1.5	F698-2RS
	22	25	0.3	7	1.5	F608	7	1.5	F608ZZ	7	1.5	F608-2RS
9	17	19	0.2	4	1	F689	5	1.1	F689ZZ	5	1.1	F689-2RS
	17	19	0.2				6	1.1	F689ZZW6	6	1.1	F689-2RSW6
	20	23	0.3	6	1.5	F699	6	1.5	F699ZZ	6	1.5	F699-2RS