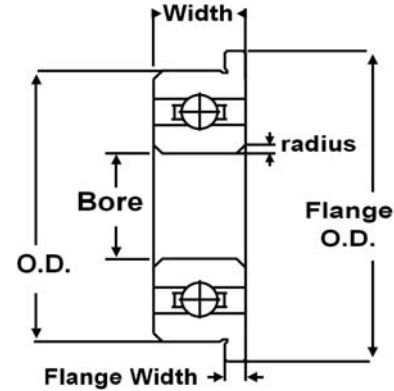




Flanged Miniature Bearings

Inch series for shaft sizes from 0.04" to 0.625"

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. mm	Open Bearing			Shielded Bearing			Sealed Bearing		
				Width	Flange Width	SMB Ref	Width	Flange Width	SMB Ref.	Width	Flange Width	SMB Ref.
<i>Dimensions in inches except radius. Load and speed ratings are the same as for Inch Miniature Bearings</i> <i>* denotes sizes available with extended inner ring.</i>												
0.04	0.125	0.171	0.1	0.0469	0.013	FR09						
0.0469	0.1562	0.203	0.1	0.0625	0.013	FR0 *	0.0937	0.031	FR0ZZ *			
0.055	0.1875	0.234	0.1	0.0781	0.023	FR1 *	0.1094	0.031	FR1ZZ *			
0.0781	0.25	0.296	0.1	0.0937	0.023	FR1-4 *	0.1406	0.031	FR1-4ZZ *			
0.0937	0.1875	0.234	0.1	0.0625	0.018	FR133 *	0.0937	0.031	FR133ZZ *			
	0.3125	0.359	0.15	0.1094	0.023	FR1-5 *	0.1406	0.031	FR1-5ZZ *			
0.125	0.25	0.256	0.1	0.0937	0.023	FR144 *	0.1094	0.031	FR144ZZ *			
	0.3125	0.359	0.1	0.1094	0.023	FR2-5 *	0.1406	0.031	FR2-5ZZ *	0.1406	0.031	FR2-5-TTS
	0.375	0.422	0.15	0.1094	0.023	FR2-6 *	0.1406	0.031	FR2-6ZZ *	0.1406	0.031	FR2-6-TTS
	0.375	0.44	0.3	0.1562	0.03	FR2 *	0.1562	0.03	FR2ZZ *	0.1562	0.03	FR2-2RS
0.1562	0.3125	0.359	0.1	0.1094	0.023	FR155 *	0.125	0.036	FR155ZZ *			
0.1875	0.3125	0.359	0.1	0.1094	0.023	FR156 *	0.125	0.036	FR156ZZ *	0.125	0.036	FR156-TTS
	0.375	0.422	0.1	0.125	0.023	FR166 *	0.125	0.031	FR166ZZ *	0.125	0.031	FR166-TTS
	0.5	0.565	0.3	0.1562	0.042	FR3 *	0.196	0.042	FR3ZZ *	0.196	0.042	FR3-2RS
	0.5	0.565	0.3	0.196	0.042	FR3W19						



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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.
0.25	0.375	0.422	0.1	0.125	0.023	FR168 *	0.125	0.035	FR168ZZ *	0.125		
	0.5	0.547	0.15	0.125	0.023	FR188 *	0.1875	0.045	FR188ZZ *	0.1875	0.045	FR188-TTS
	0.625	0.69	0.3	0.196	0.042	FR4 *	0.196	0.042	FR4ZZ *	0.196	0.042	FR4-2RS
0.3125	0.5	0.547	0.15	0.1562	0.031	FR1810 *	0.1562	0.031	FR1810ZZ *			
0.375	0.875	0.969	0.4	0.2188	0.062	FR6	0.2812	0.062	FR6ZZ	0.2812	0.062	FR6-2RS
0.5	1.125	1.2252	0.4	0.25	0.062	FR8	0.3125	0.062	FR8ZZ	0.3125	0.062	FR8-2RS
0.625	1.375	1.50	0.8	0.2812	0.0687	FR10	0.3438	0.0687	FR10ZZ	0.3438	0.0687	FR8-2RS