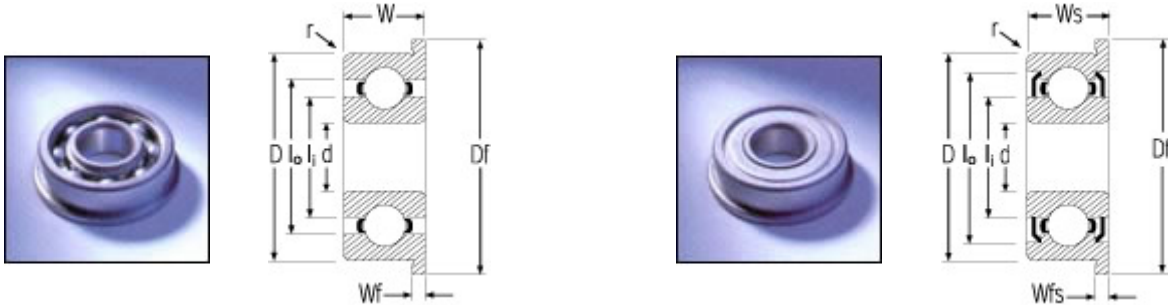


Flanged Miniature Ball Bearing-Open and Shielded Type



Shield / closure: Open Bearing, Z, ZZ, RS, 2RS, TT
Tolerance codes: ABEC-1, ABEC-3, ABEC-5, ABEC-7
Vibration level codes: V4, V3, V2, V1
Internal clearance codes: C2, C3, C4, C5
Material: AISI52100, AISI440C, AISI304, AISI316, Ceramic
Retainer: PTFE, Nylon, PEEK or Stainless Steel

Code	Bore Dia. "d" (mm)	Outer Dia. "D" (mm)	Flange Dia. "Df" (mm)	Width "W"		Flange Width "Ws" / "Wfs"		Load Rating Cr (N)	Load Rating Cor (N)	Max. Speed (1000rpm)	
				open	zz	open	zz			Grease	Oil
FR1-4zzs	1.984	6.350	7.518	2.380	3.571	0.584	0.787	284	96	67	80
FR133zz	2.380	4.762	5.944	1.588	2.38	0.457	0.787	144	53	80	95
FR1-5zzs	3.175	7.938	9.119	2.779	3.571	0.584	0.787	552	176	60	71
FR144zzs	3.175	6.350	7.518	2.380	2.779	0.584	0.787	284	96	67	80
FR2-5zz	3.175	7.938	9.119	2.779	3.571	0.584	0.787	558	180	60	67
FR2-6zzs	3.175	9.525	10.719	2.779	3.571	0.584	0.787	640	227	53	63
FR2zz	3.175	9.525	11.176	3.967	3.967	0.762	0.762	631	219	56	67
FE155zzs	3.967	7.938	9.119	2.779	3.175	0.584	0.914	359	150	53	63
FR156zzs	4.762	7.938	9.119	2.779	3.175	0.584	0.914	359	150	53	63
FR166zz	6.350	9.525	10.719	3.175	3.175	0.584	0.787	709	272	50	60
FR3zz	6.350	12.700	14.351	4.978	4.978	1.067	1.067	1301	488	43	53
FR168zzs	6.350	9.525	10.719	3.175	3.175	0.584	0.914	373	172	48	56
FR188zz	6.350	12.700	13.894	3.175	4.762	0.584	1.143	1082	442	40	50
FR4zz	6.350	15.875	17.526	4.978	4.978	1.067	1.067	1480	621	38	45
FR1810zzs	7.938	12.700	13.894	3.967	3.967	0.787	0.787	542	276	40	48
FR6zz	9.525	22.225	24.613	5.558	7.142	1.570	1.570	3332	1422	32	38