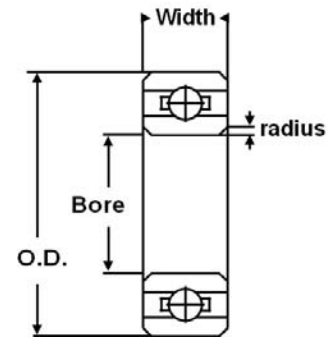




# Miniature Bearings/Small Bearings

*Inch series for shaft sizes from 0.04" to 1.00"*

*Chrome steel and stainless steel*



This series can be supplied in SAE52100 chrome steel and 440 grade stainless steel and can withstand heavy radial loads and moderate thrust loads in both directions.

Bore	O.D.	r.min. (mm)	Open Bearing		Shielded Bearing		Sealed Bearing		Max Load kgf		RPM (x1000)
			Width	SMB Ref.	Width	SMB Ref.	Width	SMB Ref.	Dyn	Stat	
<i>Dimensions in inches except radius.</i>											
<i>Max loads: actual loads should be well below figures shown for acceptable bearing life (see Technical)</i>											
<i>Max RPM: will be reduced for certain lubricants, closures, loads etc (see Technical)</i>											
0.04	0.125	0.1	0.0469	R09					10	3	130
0.0469	0.1562	0.1	0.0625	R0	0.0937	R0ZZ			11	4	110
0.055	0.1875	0.1	0.0781	R1	0.1094	R1ZZ			22	8	95
0.0781	0.25	0.1	0.0937	R1-4	0.1406	R1-4ZZ			27	9	80
0.0937	0.1875	0.1	0.0625	R133	0.0937	R133ZZ			17	6	92
	0.25	0.1			0.0937	R143ZZW09			14	4	92
	0.3125	0.15	0.1094	R1-5	0.1406	R1-5ZZ			53	17	66
0.125	0.25	0.1			0.0937	R144ZZW09			27	9	75
	0.25	0.1	0.0937	R144	0.1094	R144ZZ			27	9	75
	0.3125	0.1			0.1094	R2-5ZZW10			53	17	67
	0.3125	0.1	0.1094	R2-5	0.1406	R2-5ZZ	0.1406	R2-5-2RS	53	17	67
	0.375	0.15			0.1094	R2-6ZZW10			60	21	74
	0.375	0.15	0.1094	R2-6	0.1406	R2-6ZZ	0.1406	R2-6-2RS	60	21	63
	0.375	0.3	0.1562	R2	0.1562	R2ZZ	0.1562	R2-2RS	60	21	63
	0.41	0.15	0.937	R174	0.1094	R174ZW10			60	21	63
	0.5	0.15	0.1094	R184	0.1094	R184ZZ			27	9	68
0.5	0.3	0.1719	R2A	0.1719	R2AZZ	0.1719	R2A-2RS	60	21	63	



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Bore	O.D.	r.min. (mm)	Open Bearing		Shielded Bearing		Sealed Bearing		Max Load kgf		RPM (x1000)
			Width	SMB Ref.	Width	SMB Ref.	Width	SMB Ref.	Dyn	Stat	
0.1562	0.3125	0.1	0.1094	R155	0.125	R155ZZ			35	13	62
0.1875	0.3125	0.1	0.1094	R156	0.125	R156ZZ	0.125	R156-2RS	35	13	62
	0.375	0.1	0.125	R166	0.125	R166ZZ	0.125	R166-2RS	68	27	59
	0.5	0.15	0.1094	R3W10	0.1094	R3ZW10			68	27	59
	0.5	0.15			0.125	R3ZZW12			68	27	59
	0.5	0.3			0.1562	R3ZZW15	0.1562	R3-2RSW15	125	49	50
	0.5	0.3	0.1562	R3	0.196	R3ZZ	0.196	R3-2RS	125	49	50
	0.625	0.3	0.196	R3A	0.196	R3AZZ	0.196	R3A-2RS	142	59	46
	0.6875	0.3	0.25	1601	0.25	1601ZZ			130	59	42
	0.6875	0.3					0.3125	1601-2RS	130	59	42
0.25	0.375	0.1	0.125	R168	0.125	R168ZZ	0.125	R168-2RS	36	17	57
	0.5	0.15			0.125	R188ZW12			106	43	51
	0.5	0.15	0.125	R188	0.1875	R188ZZ	0.1875	R188-2RS	106	43	51
	0.625	0.3	0.196	R4	0.196	R4ZZ	0.196	R4-2RS	142	59	44
	0.6875	0.3	0.25	1602	0.25	1602ZZ			130	59	42
	0.6875	0.3					0.3125	1602-2RS	130	59	42
	0.75	0.4	0.2188	R4A	0.2812	R4AZZ	0.2812	R4A-2RS	227	86	41
0.3125	0.5	0.15	0.1562	R1810	0.1562	R1810ZZ			53	26	48
	0.625	0.15	0.1562	R1810A	0.1562	R1810AZZ			53	26	48
	0.875	0.3	0.3438	1603	0.3438	1603ZZ			227	102	39
	0.9062	0.3					0.3125	1603-2RS	227	102	39
	1.125	0.3	0.375	1605	0.375	1605ZZ	0.375	1605-2RS	227	102	39



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Bore	O.D.	r.min. (mm)	Open Bearing		Shielded Bearing		Sealed Bearing		Max Load kgf		RPM (x1000)
			Width	SMB Ref.	Width	SMB Ref.	Width	SMB Ref.	Dyn	Stat	
0.375	0.625	0.25	0.1562	R1038	0.1562	R1038ZZ			85	42	33
	0.75	0.25	0.196	R1238	0.196	R1238ZZ			175	86	42
	0.875	0.4	0.2188	R6	0.2812	R6ZZ	0.2812	R6-2RS	328	141	37
	0.875	0.4					0.3438	1604-2RS	227	102	36
	0.9062	0.4	0.3125	1606	0.3125	1606ZZ	0.3125	1606-2RS	227	102	36
	1.125	0.6	0.375	1614	0.375	1614ZZ	0.375	1614-2RS	205	102	27
0.4375	0.9062	0.6	0.3125	1607	0.3125	1607ZZ	0.3125	1607-2RS	205	102	34
0.5	0.75	0.25	0.1562	R1212	0.1562	R1212ZZ			91	52	27
	0.75	0.25			0.196	R1212ZZW19			91	52	27
	0.875	0.25	0.196	R1412	0.196	R1412ZZ			192	101	39
	0.875	0.25	0.2188	R6-1/2	0.2812	R6ZZ-1/2	0.2812	R6-2RS1/2	192	101	39
	1.125	0.4	0.25	R8	0.3125	R8ZZ	0.3125	R8-2RS	511	237	28
	1.125	0.6	0.375	1616	0.375	1616ZZ	0.375	1616-2RS	205	102	30
	1.375	0.6	0.4375	1621	0.4375	1621ZZ	0.4375	1621-2RS	270	158	23
0.5625	1.375	0.6	0.4375	1622	0.4375	1622ZZ	0.4375	1622-2RS	270	158	23
0.625	0.875	0.25	0.1562	R1458	0.1562	R1458ZZ			92	59	24
	1.375	0.8	0.2812	R10	0.3438	R10ZZ	0.3438	R10-2RS	590	312	24
	1.375	0.8	0.4375	1623	0.4375	1623ZZ	0.4375	1623-2RS	270	158	23
	1.625	0.8	0.5	1628	0.5	1628ZZ	0.5	1628-2RS	330	202	20
0.75	1.0	0.25	0.1562	R1634	0.1562	R1634ZZ			98	63	20
	1.625	0.8	0.3125	R12	0.4375	R12ZZ	0.4375	R12-2RS	785	442	20
0.875	1.875	0.8	0.375	R14	0.50	R14ZZ	0.50	R14-2RS	1080	576	18
1.0	2.0	0.8	0.375	R16	0.50	R16ZZ	0.50	R16-2RS	1150	700	16