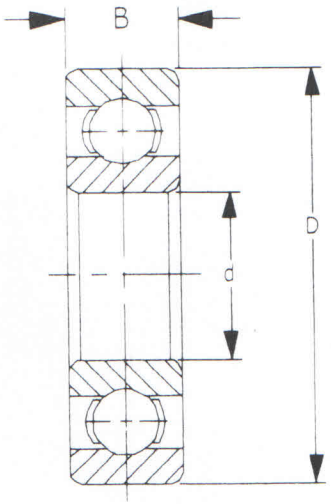
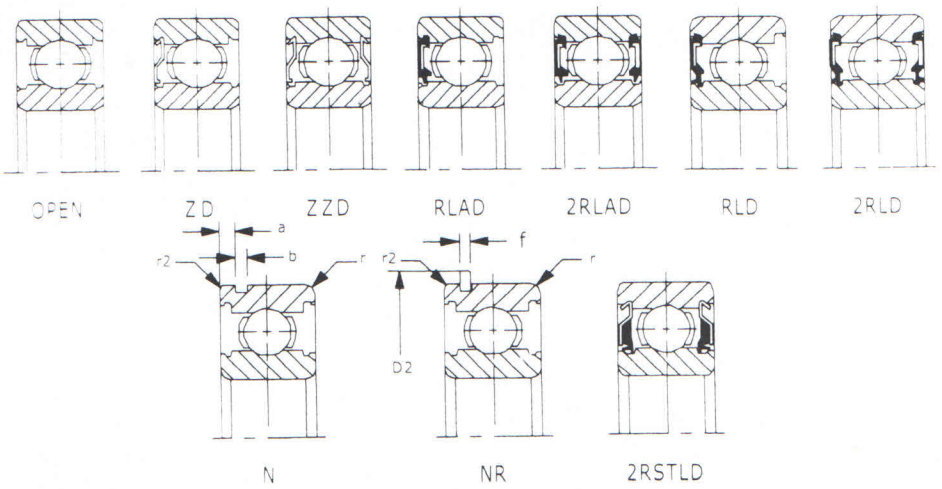
BOCA BEARING
Miniature Bearings For Industry, Hobby & Recreation
Phone : (800) 332-3256 Email : info@bocabearings.com

6300 SERIES

FOR REFERENCE ONLY





Units: Inches
Metric

Part Number	Bore d	Tolerance +.0000 to minus	OD D	Tolerance +.0000 to minus	Width B	Tolerance +.0000 to minus	* fillet radii r	* fillet radii r_2	snap ring dimensions D_2 Max	snap ring dimensions f Max	snap ring groove dimensions a Max	snap ring groove dimensions b Min	Basic Load Ratings lbf Dynamic Cr	Basic Load Ratings lbf Static Cor	Weight lb	Weight Kg	Limiting speed of Open Bearing (rpm) oil	Limiting speed of Open Bearing (rpm) grease
													N					
6300	.3937	.0003	1.3780	.0005	.4331	.0047	.024	.020	1.563	.044	.081	.053	1,845	785	.110		27,000	23,000
	10	.008	35	.011	11	.120	6	.5	39.7	1.12	2.06	1.35	8,200	3,500	.050			
6301	.4724	.0003	1.4567	.0005	.4724	.0047	.039	.020	1.626	.044	.081	.053	2,180	940	.132		24,000	20,000
	12	.008	37	.011	12	.120	1.0	.5	41.3	1.12	2.06	1.35	9,700	4,200	.056			
6302	.5906	.0003	1.6535	.0005	.5118	.0047	.039	.020	1.823	.044	.081	.053	2,570	1,220	.150		21,000	17,000
	15	.008	42	.011	13	.120	1.0	.5	46.3	1.12	2.06	1.35	11,400	5,450	.068			
6303	.6693	.0003	1.8504	.0005	.5512	.0047	.039	.020	2.075	.044	.097	.053	3,060	1,470	.249		19,000	16,000
	17	.008	47	.011	14	.120	1.0	.5	52.7	1.12	2.46	1.35	13,600	6,650	.113			
6304	.7874	.0004	1.0472	.0005	.5906	.0047	.043	.020	2.280	.044	.097	.053	3,600	1,770	.319		17,000	14,000
	20	.010	52	.013	15	.120	1.1	.5	57.9	1.12	2.46	1.35	15,900	7,900	.145			
63/22	.8661	.0004	2.2047	.0005	.6299	.0047	.043	.020	2.429	.044	.097	.053	4,140	2,080	.394		15,000	13,000
	22	.010	56	.013	16	.120	1.1	.5	61.7	1.12	2.46	1.35	18,400	9,250	.179			
6305	.9843	.0004	2.4409	.0005	.6693	.0047	.043	.020	2.665	.067	.129	.075	4,750	2,460	.518		14,000	12,000
	25	.010	62	.013	17	.120	1.1	.5	67.7	1.7	3.28	1.9	21,200	11,200	.235			
63/28	1.1024	.0004	2.6772	.0005	.7087	.0047	.043	.020	2.937	.067	.129	.075	6,000	3,150	.633		13,000	11,000
	28	.010	68	.013	18	.120	1.1	.5	74.6	1.7	3.28	1.9	26,700	14,000	.287			
6306	1.1811	.0004	2.8346	.0005	.7480	.0047	.043	.020	3.094	.067	.129	.075	6,000	3,375	.760		12,000	10,000
	30	.010	72	.013	19	.120	1.1	.5	78.6	1.7	3.28	1.9	26,700	15,000	.345			
63/32	1.2598	.0005	2.9528	.0005	.7874	.0047	.043	.020	3.213	.067	.129	.075	6,727	3,825	.857		11,000	9,500
	32	.012	75	.013	20	.120	1.1	.5	81.6	1.7	3.28	1.9	29,900	17,000	.389			
6307	1.3780	.0005	3.1496	.0005	.8268	.0047	.059	.020	3.409	.067	.129	.075	7,537	4,320	1.030		10,000	8,800
	35	.012	80	.013	21	.120	1.5	.5	86.6	1.7	3.28	1.9	33,500	19,200	.464			
6308	1.5748	.0005	3.5433	.0006	.9055	.0047	.059	.020	3.799	.097	.129	.106	9,112	5,400	1.410		9,200	7,800
	40	.012	90	.015	23	.120	1.5	.5	96.5	2.46	3.28	2.7	40,500	24,000	.640			
6309	1.7717	.0005	3.9370	.0006	.9843	.0047	.059	.020	4.193	.097	.129	.106	11,925	7,200	1.82		8,200	7,000
	45	.012	100	.015	25	.120	1.5	.5	106.5	2.46	3.28	2.7	53,000	32,000	.829			

*Maximum fillet which corner radius of bearing will clear.