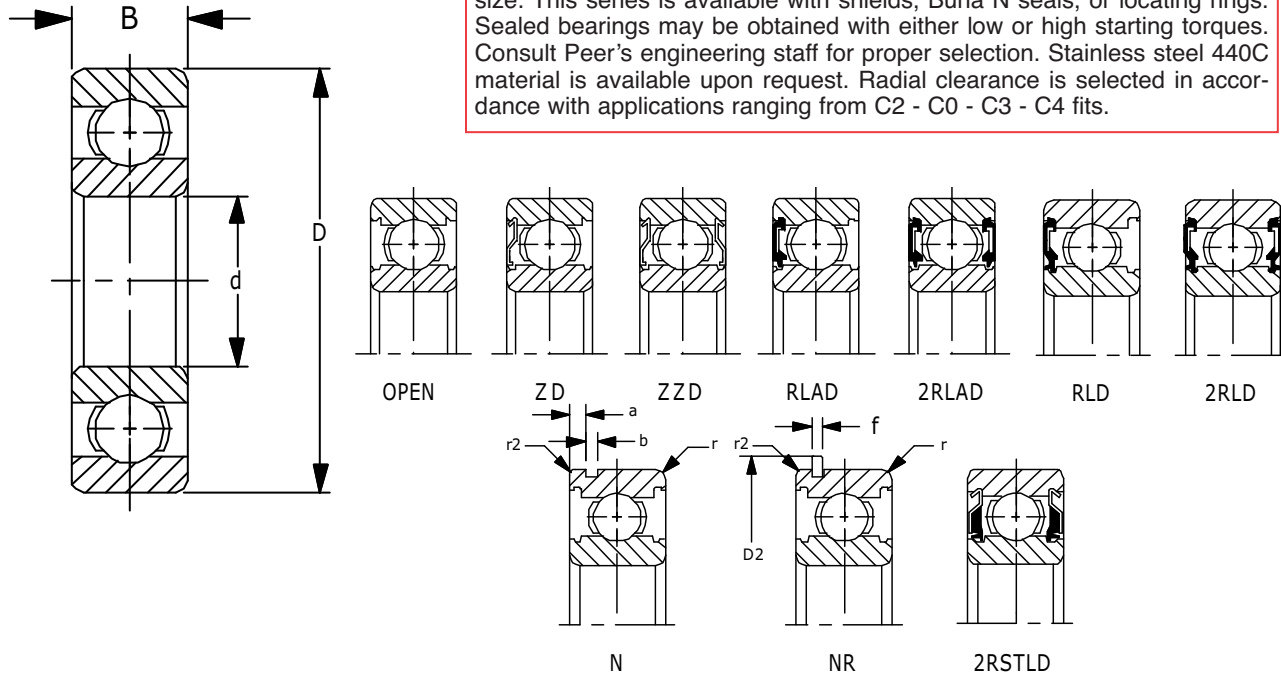




6300 SERIES

Similar in function to the 6200 series. Produced with larger ball complement enabling the bearing to withstand greater radial and thrust for a given bore size. This series is available with shields, Buna N seals, or locating rings. Sealed bearings may be obtained with either low or high starting torques. Consult Peer's engineering staff for proper selection. Stainless steel 440C material is available upon request. Radial clearance is selected in accordance with applications ranging from C2 - C0 - C3 - C4 fits.

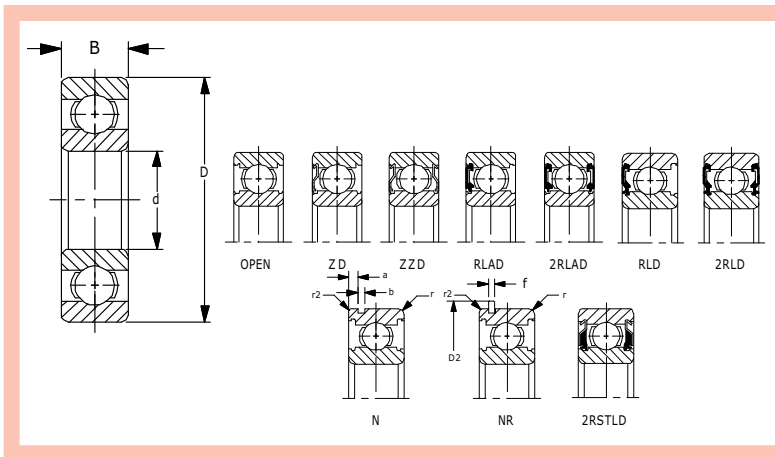


Units: Inches
Metric

Part Number	Bore d	Tolerance +.0000 to minus	OD D	Tolerance +.0000 to minus	Width B	Tolerance +.0000 to minus	* fillet radii		snap ring dimensions		snap ring groove dimensions		Basic Load Ratings lbf N		Weight lb Kg	Limiting speed of Open Bearing (rpm)	
							r	r2	D2 Max	f Max	a Max	b Min	Dynamic Cr	Static Cor		oil	grease
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.

6300 SERIES (continued)



Similar in function to the 6200 series. Produced with larger ball complement enabling the bearing to withstand greater radial and thrust for a given bore size. This series is available with shields, Buna N seals, or locating rings. Sealed bearings may be obtained with either low or high starting torques. Consult Peer's engineering staff for proper selection. Stainless steel 440C material is available upon request. Radial clearance is selected in accordance with applications ranging from C2 - C0 - C3 - C4 fits.

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		snap ring dimensions		snap ring groove dimensions		Basic Load Ratings lbf N		Weight lb Kg	Limiting speed of Open Bearing (rpm)	
							r	r2	D2 Max	f Max	a Max	b Min	Dynamic Cr	Static Cor		oil	grease
6310	1.9685 50	.0005 .012	4.3307 110	.0006 .015	1.0630 27	.0047 .120	.079 2.0	.020 .5	4.591 116.6	.097 2.46	.129 3.28	.106 2.7	13,950 62,000	8,600 38,500	2.470 1.120	7,500 6,800	6,400 5,800
6311	2.1654 55	.0006 .015	4.7244 120	.0006 .015	1.1417 29	.0059 .150	.079 2.0	.020 .5	5.106 129.7	.111 2.82	.160 4.06	.122 3.1	16,100 71,500	10,125 45,000	3.070 1.393	6,800 5,800	5,800 5,400
6312	2.3622 60	.0006 .015	5.1181 130	.0007 .018	1.2205 31	.0059 .150	.079 2.1	.020 .5	5.500 139.7	.111 2.82	.160 4.06	.122 3.1	18,450 82,000	11,700 52,000	3.810 1.728	6,300 5,400	5,400 4,900
6313	2.5591 65	.0006 .015	5.5118 140	.0007 .018	1.2992 33	.0059 .150	.079 2.1	.020 .5	5.894 149.7	.111 2.82	.193 4.9	.122 3.1	20,800 92,500	13,500 60,000	4.700 2.110	5,800 4,900	4,900 4,600
6314	2.7559 70	.0006 .015	5.9055 150	.0007 .018	1.3780 35	.0059 .150	.079 2.1	.020 .5	6.287 159.7	.111 2.82	.193 4.9	.122 3.1	23,400 104,000	15,300 68,000	5.720 2.595	5,400 4,600	4,600 4,300
6315	2.9528 75	.0006 .015	6.2992 160	.0010 .025	1.4567 37	.0059 .150	.079 2.1	.020 .5	6.681 169.7	.111 2.82	.193 4.9	.122 3.1	25,425 113,000	17,325 77,000	8.37 3.80	5,000 4,300	4,300 4,000
6316	3.1496 80	.0006 .015	6.6929 170	.0010 .025	1.5354 39	.0059 .150	.079 2.1	.020 .5	7.201 182.9	.122 3.1	.224 5.69	.138 3.5	27,675 123,000	19,460 86,500	8.130 3.688	4,700 4,000	4,000 3,800
6317	3.3465 85	.0008 .020	7.0866 180	.0012 .025	1.6142 41	.0079 .200	.118 3.0	.020 .5	7.594 192.9	.122 3.1	.224 5.69	.138 3.5	29,925 133,000	21,825 97,000	9.73 4.28	4,500 3,800	3,800 3,600
6318	3.5433 90	.0008 .020	7.4803 190	.0012 .030	1.6929 43	.0079 .200	.118 3.0	.020 .5	7.988 202.9	.122 3.1	.224 5.69	.138 3.5	32,175 143,000	24,075 107,000	11.000 4.990	4,200 3,600	3,600 3,300
6319	3.7402 95	.0008 .020	7.8740 200	.0012 .030	1.7717 45	.0079 .200	.118 3.0	.020 .5	8.382 212.9	.122 3.1	.224 5.69	.138 3.5	34,425 153,000	26,775 119,000	12.800 5.806	3,900 3,300	3,300 3,200
6320	3.9370 100	.0008 .020	8.4646 215	.0012 .030	1.8504 47	.0079 .200	.118 3.0	.020 .5					38,925 173,000	31,725 141,000	15.52 7.04	3,700 3,200	3,200 3,000
6321	4.1339 105	.0008 .020	8.8583 225	.0012 .030	1.9291 49	.0079 .200	.118 3.0	.020 .5					41,400 184,000	34,650 154,000	18.300 8.09	3,600 3,000	3,000 2,900
6322	4.3307 110	.0008 .020	9.4488 240	.0012 .030	1.9685 50	.0079 .200	.118 3.0	.020 .5					46,125 205,000	40,275 180,160	20.9 9.51	3,400 2,900	2,900 2,600
6324	4.7244 120	.0008 .020	10.2362 260	.0014 .035	2.1654 55	.0079 .200	.118 3.0	.020 .5					46,575 207,000	41,625 185,000	27.56 12.53	3,100 2,600	2,600 2,400
6326	5.1181 130	.0010 .025	11.0236 280	.0014 .035	2.2835 58	.0098 .250	.157 4.0	.020 .5					51,525 229,000	48,150 214,000	33.700 15.286	2,800 2,400	2,400 2,200
6328	5.5118 140	.0010 .025	11.8110 300	.0014 .035	2.4409 62	.0098 .250	.157 4.0	.020 .5					56,925 253,000	55,350 246,000	40.800 18.507	2,600 2,200	2,200 2,100
6330	5.9055 150	.0010 .025	12.5984 320	.0016 .040	2.5591 65	.0098 .120	.157 4.0	.020 .5					61,500 274,000	63,900 284,000	50.05 22.70	2,400 1,900	2,100 1,900
6332	6.2992 160	.0010 .025	13.3858 340	.0016 .040	2.6772 68	.0098 .120	.157 4.0	.020 .5					62,550 278,000	64,575 287,000	57.77 26.2	2,300 1,900	1,900 1,800
6334	6.6929 170	.0010 .025	14.1732 360	.0016 .040	2.8346 72	.0098 .120	.157 4.0	.020 .5					73,125 325,000	79,875 355,000	80.7 36.6	2,100 1,800	1,800 1,700
6336	7.0866 180	.0012 .025	14.9606 380	.0016 .040	2.9528 75	.0098 .120	.157 4.0	.020 .5					79,875 355,000	91,150 407,000	95.63 8.10	2,000 1,700	1,700 1,600
6338	7.4803 190	.0012 .030	15.7480 400	.0016 .040	3.0709 78	.0118 .300	.197 5.0	.020 .5					79,875 355,000	93,375 415,000	109.6 49.7	1,900 1,600	1,600 1,500
6340	7.8740 200	.0012 .030	16.5354 420	.0018 .045	3.1496 80	.0118 .300	.197 5.0	.020 .5					92,250 410,000	112,500 500,000	122.000 55.339	1,800 1,500	1,500 1,400

*Maximum fillet which corner radius of bearing will clear.