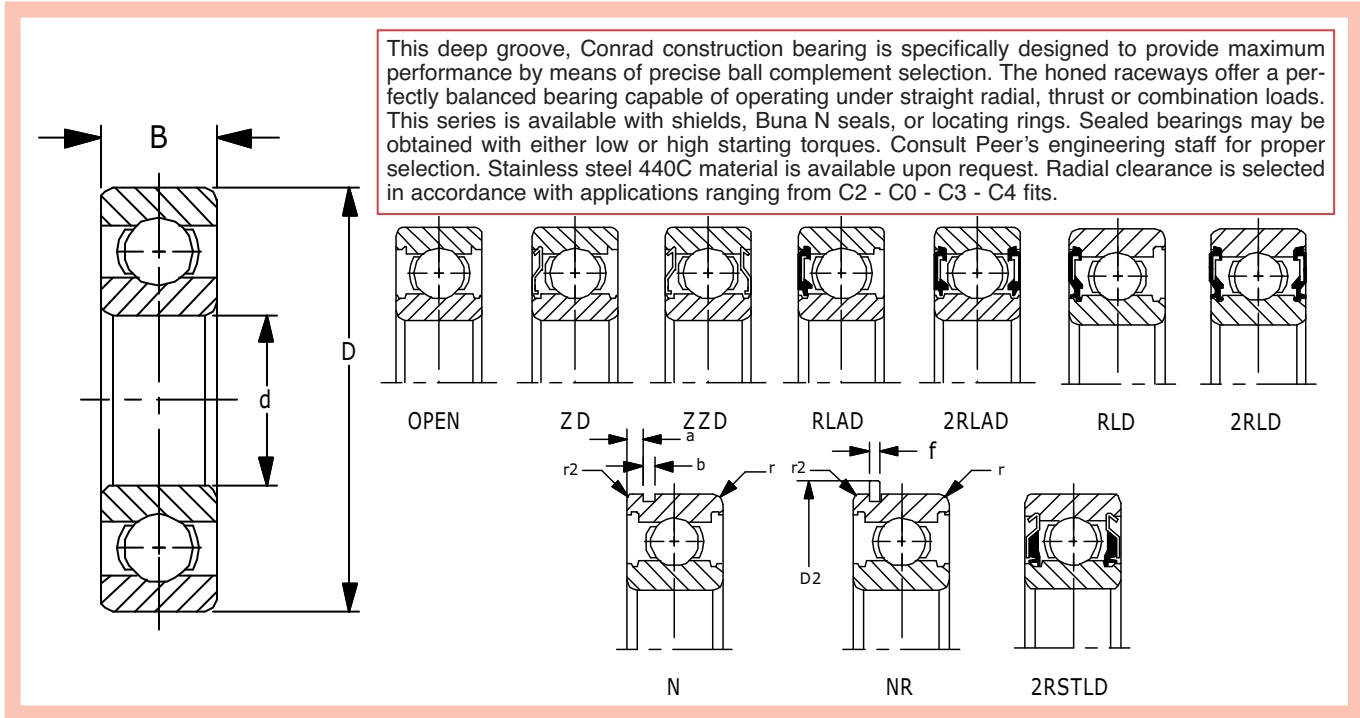


6000 SERIES



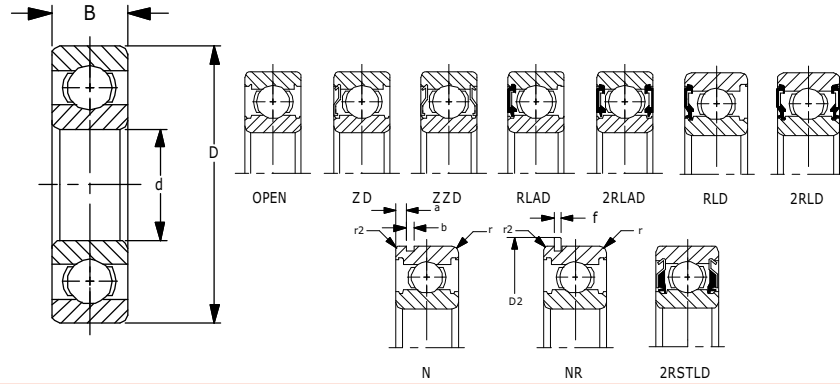
Units: Inches
Metric

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) oil grease	
							r	r ₂	D ₂ Max	f Max	a Max	b Min	Dynamic Cr	Static Cor		oil	grease
6000	.3937	.0003	1.0236	.0004	.3150	.0047	.012	.012	1.130	.028	.068	.031	1,030	440	.042	34,000	29,000
	10	.008	26	.009	8	.120	.3	.3	28.7	.7	1.73	.8	4,550	1,970	.019		
6001	.4724	.0003	1.1024	.0004	.3150	.0047	.012	.012	1.209	.033	.068	.037	1,150	540	.046	30,000	26,000
	12	.008	28	.009	8	.120	.3	.3	30.7	.85	1.73	.95	5,116	2,390	.021		
6002	.5906	.0003	1.2598	.0004	.3543	.0047	.012	.012	1.445	.044	.081	.053	1,260	635	.066	26,000	22,000
	15	.008	32	.011	9	.120	.3	.3	36.7	1.12	2.06	1.35	5,605	2,825	.030		
6003	.6693	.0003	1.3780	.0004	.3937	.0047	.012	.012	1.563	.044	.081	.053	1,530	755	.086	24,000	20,000
	17	.008	35	.011	10	.120	.3	.3	39.7	1.12	2.06	1.35	6,806	3,359	.039		
6004	.7874	.0004	1.6535	.0004	.4724	.0047	.024	.020	1.823	.044	.081	.053	2,110	1,136	.152	21,000	18,000
	20	.010	42	.011	12	.120	.6	.5	46.3	1.12	2.06	1.35	9,400	5,050	.069		
60/22	.8661	.0004	1.7323	.0004	.4724	.0047	.024	.020	1.902	.044	.081	.053	2,110	1,136	.163	20,000	17,000
	22	.010	44	.011	12	.120	.6	.5	48.3	1.12	2.06	1.35	9,400	5,050	.074		
6005	.9843	.0004	1.8504	.0004	.4724	.0047	.024	.020	2.075	.044	.081	.053	2,272	1,320	.176	18,000	15,000
	25	.010	47	.011	12	.120	.6	.5	52.7	1.12	2.06	1.35	10,100	5,850	.080		
60/28	1.1024	.0004	2.2835	.0005	.6299	.0047	.024	.020	2.280	.044	.081	.053	2,800	1,660	.216	16,000	14,000
	28	.010	52	.013	12	.120	.6	.5	57.9	1.12	2.06	1.35	12,500	7,400	.098		
6006	1.1811	.0004	2.1654	.0005	.5118	.0047	.039	.020	2.390	.044	.082	.053	2,970	1,860	.256	15,000	13,000
	30	.010	55	.013	13	.120	1.0	.5	60.7	1.12	2.08	1.35	13,212	8,300	.116		
60/32	1.2598	.0005	2.2835	.0005	.5118	.0047	.039	.020	2.508	.044	.082	.053	3,400	2,050	.284	15,000	12,000
	32	.012	58	.013	13	.120	1.0	.5	63.7	1.12	2.08	1.35	15,100	9,150	.129		
6007	1.3780	.0005	2.4409	.0005	.5512	.0047	.039	.020	2.665	.067	.082	.075	3,600	2,315	.342	14,000	12,000
	35	.012	62	.013	14	.120	1.0	.5	67.7	1.7	2.08	1.9	16,014	10,298	.155		
6008	1.5748	.0005	2.6772	.0005	.5906	.0047	.039	.020	2.937	.067	.098	.075	3,750	2,600	.419	12,000	10,000
	40	.012	68	.013	15	.120	1.0	.5	74.6	1.7	2.49	1.9	16,800	11,500	.190		
6009	1.7717	.0005	2.9528	.0005	.6299	.0047	.039	.020	3.213	.067	.098	.075	4,725	3,420	.522	11,000	9,200
	45	.012	75	.013	16	.120	1.0	.5	81.6	1.7	2.49	1.9	21,000	15,200	.237		
6010	1.9685	.0005	3.1496	.0005	.6299	.0047	.039	.020	3.409	.067	.098	.075	4,900	3,735	.575	9,800	8,400
	50	.012	80	.013	16	.120	1.0	.5	86.6	1.7	2.49	1.9	21,797	16,600	.261		

*Maximum fillet which corner radius of bearing will clear.



6000 SERIES (continued)



This deep groove, Conrad construction bearing is specifically designed to provide maximum performance by means of precise ball complement selection. The honed raceways offer a perfectly balanced bearing capable of operating under straight radial, thrust or combination loads. 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	r ₂	D ₂ Max	f Max	a Max	b Min	Dynamic Cr	Static Cor		oil	grease
6011	2.1654	.0006	3.5433	.0006	.7087	.0059	.043	.020	3.799	.097	.113	.106	6,350	4,770	.855	9,000	7,700
	55	.015	90	.015	18	.150	1.1	.5	96.5	2.46	2.87	2.7	28,300	21,200	.388		
6012	2.3622	.0006	3.7402	.0006	.7087	.0059	.043	.020	4.000	.097	.113	.106	6,637	5,220	.913	8,300	7,000
	60	.015	95	.015	18	.150	1.1	.5	101.6	2.46	2.87	2.7	29,500	23,200	.414		
6013	2.5591	.0006	3.9370	.0006	.7087	.0059	.043	.020	4.193	.097	.113	.106	6,850	5,670	.968	7,700	6,500
	65	.015	100	.015	18	.150	1.1	.5	106.5	2.46	2.87	2.7	30,500	25,200	.439		
6014	2.7559	.0006	4.3307	.0006	.7874	.0059	.043	.020	4.591	.097	.113	.106	8,550	6,975	1.340	7,100	6,100
	70	.015	110	.015	20	.150	1.1	.5	116.6	2.46	2.87	2.7	38,000	31,000	.608		
6015	2.9528	.0006	4.5276	.0006	.7874	.0059	.043	.020	4.787	.097	.113	.106	8,890	7,537	1.431	6,700	5,700
	75	.015	115	.015	20	.150	1.1	.5	121.6	2.46	2.87	2.7	39,500	33,500	.649		
6016	3.1496	.0005	4.9213	.0007	.8661	.0059	.043	.020	5.303	.111	.113	.122	10,700	9,000	1.922	6,200	5,300
	80	.015	125	.018	22	.150	1.1	.5	134.7	2.82	2.87	3.1	47,500	40,000	.872		
6017	3.3465	.0008	5.1181	.0007	.8661	.0079	.043	.020	5.500	.111	.113	.122	11,137	9,675	2.024	5,900	5,000
	85	.020	130	.018	22	.200	1.1	.5	139.7	2.82	2.87	3.1	49,500	43,000	.918		
6018	3.5433	.0008	5.5118	.0007	.9449	.0079	.059	.020	5.894	.111	.146	.122	13,050	11,250	2.624	5,600	4,700
	90	.020	140	.018	24	.200	1.5	.5	149.7	2.82	3.71	3.1	58,000	50,000	1.190		
6019	3.7402	.0008	5.7087	.0007	.9449	.0079	.059	.020	6.091	.111	.146	.122	13,600	12,150	2.712	5,300	4,500
	95	.020	145	.018	24	.200	1.5	.5	154.7	2.82	3.71	3.1	60,500	54,000	1.230		
6020	3.9370	.0008	5.9055	.0007	.9449	.0079	.059	.020	6.287	.111	.146	.122	13,500	12,150	2.844	5,000	4,200
	100	.020	150	.018	24	.200	1.5	.5	159.7	2.82	3.71	3.1	60,000	54,000	1.290		
6021	4.1339	.0008	6.2992	.0010	1.0236	.0079	.079	.020	6.681	.111	.146	.122	16,300	14,805	3.510	4,700	4,000
	105	.020	160	.025	26	.200	2.0	.5	169.7	2.82	3.71	3.1	72,500	66,000	1.592		
6022	4.3307	.0008	6.6929	.0010	1.1024	.0079	.079	.020	7.201	.122	.146	.138	19,125	16,400	4.321	4,500	3,800
	110	.020	170	.025	28	.200	2.0	.5	182.9	3.1	3.71	3.5	85,000	73,000	1.960		
6024	4.7244	.0008	7.0866	.0010	1.1024	.0079	.079	.020	7.594	.122	.146	.138	19,800	18,000	4.586	4,100	3,500
	120	.020	180	.025	28	.200	2.0	.5	192.9	3.1	3.71	3.5	88,000	80,000	2.080		
6026	5.1181	.0010	7.8740	.0012	1.2992	.0098	.079	.020	8.382	.122	.224	.138	23,850	22,700	7.187	3,800	3,200
	130	.025	200	.030	33	.250	2.0	.5	212.9	3.1	5.69	3.5	106,000	101,000	3.260		
6028	5.5118	.0010	8.2677	.0012	1.2992	.0098	.079	.020	8.776	.122	.224	.138	24,750	24,525	7.672	3,500	3,000
	140	.025	210	.030	33	.250	2.0	.5	222.9	3.1	5.69	3.5	110,000	109,000	3.480		
6030	5.9055	.0010	8.8583	.0012	1.3780	.0098	.083	.020	9.362	.122	.224	.138	28,350	28,350	9.348	3,200	2,800
	150	.025	225	.030	35	.250	2.1	.5	237.8	3.1	5.69	3.5	126,000	126,000	4.240		
6032	6.2992	.0010	9.4488	.0012	1.4961	.0098	.083	.020	9.957	.122	.224	.138	32,175	32,400	11.354	3,000	2,600
	160	.025	240	.030	38	.250	2.1	.5	252.9	3.1	5.69	3.5	143,000	144,000	5.150		
6034	6.6929	.0010	10.2362	.0014	1.6535	.0098	.083						37,800	38,700	15.190	2,800	2,400
	170	.025	260	.035	42	.250	2.1						168,000	172,000	6.890		
6036	7.0866	.0010	11.0236	.0014	1.8110	.0098	.083						42,500	44,775	19.400	2,700	2,300
	180	.025	280	.035	46	.250	2.1						189,000	199,000	8.800		
6038	7.4803	.0012	11.4173	.0014	1.8110	.0118	.083						44,325	48,375	20.701	2,500	2,100
	190	.030	290	.035	46	.300	2.1						197,000	215,000	9.390		
6040	7.8740	.0012	12.2047	.0014	2.0079	.0118	.083						49,050	54,675	26.455	2,400	2,000
	200	.030	310	.035	51	.300	2.1						218,000	243,000	12.000		

*Maximum fillet which corner radius of bearing will clear.