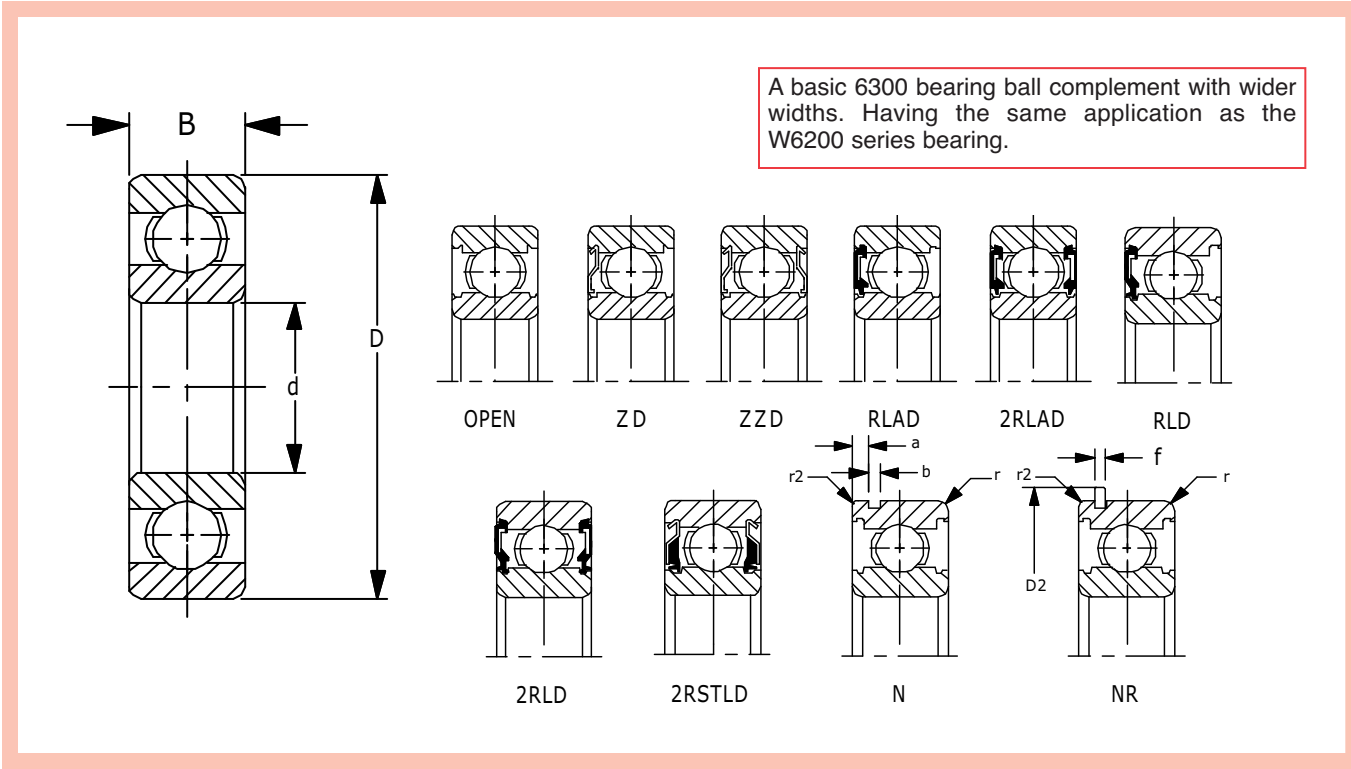




W6300 CARTRIDGE SERIES



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)	
							r	r2	D2	f	a	b	Dynamic Cr	Static Cor		oil	grease
W6302	.5906	.0003	1.6535	.0005	.748	.0047	.039	.020	1.823	.044	.081	.053	2,570	1,220	.280	21,000	17,000
	15	.008	42	.011	19.00	.120	1.0	.5	46.3	1.12	2.06	1.35	11,400	5,450	.127		
W6303	.6693	.0003	1.8504	.0005	.875	.0047	.039	.020	2.075	.044	.097	.053	3,060	1,470	.320	19,000	16,000
	17	.008	47	.011	22.22	.120	1.0	.5	52.7	1.12	2.46	1.35	13,600	6,650	.145		
W6304	.7874	.0004	1.0472	.0005	.8750	.0047	.043	.020	2.280	.044	.097	.053	3,600	1,770	.480	17,000	14,000
	20	.010	52	.013	22.22	.120	1.1	.5	57.9	1.12	2.46	1.35	15,900	7,900	.218		
W6305	.9843	.0004	2.4409	.0005	1.000	.0047	.043	.020	2.665	.067	.129	.075	4,750	2,460	.780	14,000	12,000
	25	.010	62	.013	25.40	.120	1.1	.5	67.7	1.7	3.28	1.9	21,200	11,200	.354		
W6306	1.1811	.0004	2.8346	.0005	1.188	.0047	.043	.020	3.094	.067	.129	.075	6,000	3,375	1.130	12,000	10,000
	30	.010	72	.013	30.18	.120	1.1	.5	78.6	1.7	3.28	1.9	26,700	15,000	.513		
W6307	1.3780	.0005	3.1496	.0005	1.375	.0047	.059	.020	3.409	.067	.129	.075	7,537	4,320	1.640	10,000	8,800
	35	.012	80	.013	34.92	.120	1.5	.5	86.6	1.7	3.28	1.9	33,500	19,200	.744		
W6308	1.5748	.0005	3.5433	.0006	1.438	.0047	.059	.020	3.799	.097	.129	.106	9,112	5,400	2.060	9,200	7,800
	40	.012	90	.015	36.53	.120	1.5	.5	96.5	2.46	3.28	2.7	40,500	24,000	.937		
W6309	1.7717	.0005	3.9370	.0006	1.562	.0047	.059	.020	4.193	.097	.129	.106	11,925	7,200	3.000	8,200	7,000
	45	.012	100	.015	39.67	.120	1.5	.5	106.5	2.46	3.28	2.7	53,000	32,000	1.361		
W6310	1.9685	.0005	4.3307	.0006	1.750	.0047	.079	.020	4.591	.097	.129	.106	13,950	8,600	3.750	7,500	6,400
	50	.012	110	.015	44.45	.120	2.0	.5	116.6	2.46	3.28	2.7	62,000	38,500	1.701		
W6311	2.1654	.0006	4.7244	.0006	1.938	.0059	.079	.020	5.106	.111	.160	.122	16,100	10,125	5.120	6,800	5,800
	55	.015	120	.015	49.23	.150	2.0	.5	129.7	2.82	4.06	3.1	71,500	45,000	2.322		
W6312	2.3622	.0006	5.1181	.0007	2.125	.0059	.079	.020	5.500	.111	.160	.122	18,450	11,700	6.500	6,300	5,400
	60	.015	130	.018	53.98	.150	2.1	.5	139.7	2.82	4.06	3.1	82,000	52,000	2.948		
W6313	2.5591	.0006	5.5118	.0007	2.312	.0059	.079	.020	5.894	.111	.160	.122	20,800	13,500	8.170	5,800	4,900
	65	.015	140	.018	58.72	.150	2.1	.5	149.7	2.82	4.9	3.1	92,500	60,000	3.706		
W6314	2.7559	.0006	5.9055	.0007	2.500	.0059	.079	.020	6.287	.111	.193	.122	23,400	15,300	10.500	5,400	4,600
	70	.015	150	.018	63.50	.150	2.1	.5	159.7	2.82	4.9	3.1	104,000	68,000	4.763		
W6315	2.9528	.0006	6.2992	.0010	2.688	.0059	.079	.020	6.681	.111	.193	.122	25,425	17,325	12.800	5,000	4,300
	75	.015	160	.025	68.28	.150	2.1	.5	169.7	2.82	4.9	3.1	113,000	77,000	5.806		

*Maximum fillet which corner radius of bearing will clear.