

HMS INDUSTRIES

27995 Ranney Parkway • Westlake, Ohio 44145

Phone 440-899-0001 • Toll-free 800-522-7127 • Fax 440-899-2661 • Email info@hms-ind.com • Web hms-ind.com

6800 Series – Radial Ball Bearings



Bearing No.	Bore (d)		Outer Diameter (D)		Width (B)		Radius (r)		Basic Load Ratings lbs		Weight	
	mm	in	mm	in	mm	in	mm	in	Dynamic C	Static C ₀	kg	lbs
6800	10	0.3937	19	0.748	5	.1969	0.5	.019	385	189	0.005	0.011
6801	12	0.4724	21	0.8268	5	.1969	0.5	.019	429	233	0.006	0.013
6802	15	0.5906	24	0.9449	5	.1969	0.5	.019	466	282	0.007	0.015
6803	17	0.6693	26	1.0236	5	.1969	0.5	.019	590	352	0.008	0.018
6804	20	0.7874	32	1.2598	7	.2756	0.5	.019	902	554	0.019	0.042
6805	25	0.9843	37	1.4567	7	.2756	0.5	.019	968	660	0.022	0.053
6806	30	1.1811	42	1.6535	7	.2756	0.5	.019	1010	770	0.026	0.055
6807	35	1.378	47	1.8504	7	.2756	0.5	.019	1070	880	0.029	0.063
6808	40	1.5748	52	2.0472	7	.2756	0.5	.019	1100	979	0.033	0.072
6809	45	1.7717	58	2.2835	7	.2756	0.5	.019	1210	1180	0.04	0.088
6810	50	1.9685	65	2.5591	7	.2756	0.5	.019	1440	1400	0.052	0.114
6811	55	2.1654	72	2.8346	9	.3543	0.5	.019	1980	1900	0.083	0.182
6812	60	2.3622	78	3.0709	10	.3937	0.5	.019	2570	2460	0.106	0.233
6813	65	2.5591	85	3.3465	10	.3937	1	.039	2680	2710	0.128	0.281
6814	70	2.7559	90	3.5433	10	.3937	1	.039	2710	2860	0.137	0.301
6815	75	2.9528	95	3.7402	10	.3937	1	.039	2820	3100	0.145	0.319
6816	80	3.1496	100	3.937	10	.3937	1	.039	2840	3230	0.154	0.338
6817	85	3.3465	110	4.3307	13	.5118	1.5	.059	4200	4490	0.27	0.594
6818	90	3.5433	115	4.5276	13	.5118	1.5	.059	4270	4710	0.285	0.627
6819	95	3.7402	120	4.7244	13	.5118	1.5	.059	4330	4930	0.3	0.66
6820	100	3.937	125	4.9213	13	.5118	1.5	.059	4400	5150	0.313	0.668
6821	105	4.1339	130	5.1181	13	.5118	1.5	.059	4440	5370	0.33	0.726
6822	110	4.3307	140	5.5118	16	.6299	1.5	.059	6290	7370	0.515	1.133
6824	120	4.7244	150	5.9055	16	.6299	1.5	.059	6490	8030	0.555	1.76
6826	130	5.1181	165	6.4961	18	.7087	2	.078	8250	9790	0.8	1.76
6828	140	5.1181	170	6.6929	18	.7087	2	.078	8580	10700	.85	1.87
6830	150	5.9055	190	7.4803	20	.7874	2	.078	10700	10900	1.16	2.552
6832	160	6.2992	200	7.874	20	.7874	2	.078	10900	13800	1.23	2.706
6834	170	6.6929	215	8.4645	22	.8661	2	.078	13400	16800	1.63	3.586
6836	180	7.0866	225	8.8582	22	.8661	2	.078	13600	17600	2.03	4.466
6838	190	7.4803	240	9.4488	24	.9448	2.5	.098	16400	21000	2.62	5.764
6840	200	7.874	250	9.8425	24	.9448	2.5	.098	16600	22000	2.73	6.006

