

HMS INDUSTRIES

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6000 Series – Radial Ball Bearings



Bearing No.	Bore (d)		Outer Diameter (D)		Width (B)		Radius (r)		Basic Load Ratings lbs		Weight lbs
	mm	in	mm	in	mm	in	mm	in	Dynamic C	Static C ₀	
6000	10	.3937	26	1.0236	8	.315	.5	.02	1020	440	.042
6001	12	.4724	28	1.1024	8	.315	.5	.02	1140	530	.049
6002	15	.5906	32	1.2598	9	.3543	.5	.02	1250	640	.066
6003	17	.6693	35	1.378	10	.3937	.5	.02	1340	735	.086
6004	20	.7874	42	1.6535	12	.4724	1	.039	2120	1140	.152
6005	25	.9843	47	1.8504	12	.4724	1	.039	2280	1320	.176
6006	30	1.1811	55	2.1654	13	.5118	1.5	.059	2850	1800	.256
6007	35	1.378	62	2.4409	14	.5512	1.5	.059	3650	2360	.342
6008	40	1.5748	68	2.6772	15	.5906	1.5	.059	3800	2650	.423
6009	45	1.7717	75	2.9528	16	.6299	1.5	.059	4500	3250	.54
6010	50	1.9685	80	3.1496	16	.6299	1.5	.059	4650	3550	.575
6011	55	2.1654	90	3.5433	18	.7087	1.5	.059	6400	4800	.849
6012	60	2.3622	95	3.7402	18	.7087	2	.079	6550	5200	.915
6013	65	2.5591	100	3.937	18	.7087	2	.079	6800	5700	.959
6014	70	2.7559	110	4.3307	20	.7874	2	.079	8650	7100	1.33
6015	75	2.9528	115	4.5276	20	.7874	2	.079	9000	7650	1.41
6016	80	3.1496	125	4.9213	22	.8661	2	.079	10800	9000	1.87
6017	85	3.3465	130	5.1181	22	.8661	2	.079	11200	9650	1.96
6018	90	3.5433	140	5.5118	24	.9449	2.5	.098	13200	11200	2.56
6019	95	3.7402	145	5.7087	24	.9449	2.5	.098	13700	12000	2.67
6020	100	3.937	150	5.9055	24	.9449	2.5	.098	13400	12200	2.76
6021	105	4.1339	160	6.2992	26	1.0236	3	.118	16000	14600	3.51
6022	110	4.3307	170	6.6929	28	1.1024	3	.118	18000	16000	4.32
6024	120	4.7244	180	7.0866	28	1.1024	3	.118	18600	17300	4.56
6026	130	5.1181	200	7.874	33	1.2992	3	.118	23600	22400	6.97
6028	140	5.5118	210	8.2677	33	1.2992	3	.118	24500	24000	7.39
6030	150	5.9055	225	8.8583	35	1.378	3.5	.138	27500	28000	8.99
6032	160	6.2992	240	9.4488	38	1.4951	3.5	.138	31000	31500	11.1
6034	170	6.6929	260	10.2362	42	1.6535	3.5	.138	38000	39000	17.5
6036	180	7.0866	280	11.0236	46	1.811	3.5	.138	42500	44000	22.7
6038	190	7.4803	290	11.4173	46	1.811	3.5	.138	44000	48000	23.8
6040	200	7.874	310	12.2047	51	2.0079	3.5	.138	48000	54000	30.6

