

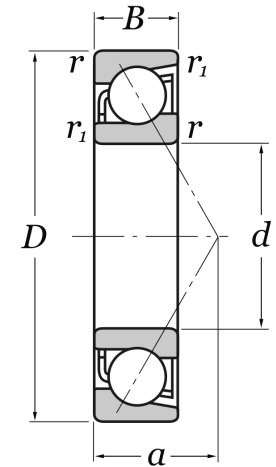
HMS INDUSTRIES

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7200 Series – Angular Contact Ball Bearings

Bearing No.	Bore (d)		Outer Diameter (D)		Width (B)		Fillet Radius				Load Center (a)		Basic Load Ratings lbs		Limiting Speeds rpm		Weight lbs
	mm	in	mm	in	mm	in	(r)		(r _i)		mm	in	Dynamic C	Static C ₀	Grease	Oil	
							mm	in	mm	in							
7200	10	0.3937	30	1.1811	9	0.3543	0.6	0.024	0.3	0.012	13	0.51	1,120	565	24,000	32,000	0.064
7201	12	0.4724	32	1.2598	10	0.3937	0.6	0.024	0.3	0.012	14	0.55	1,480	750	21,000	28,000	0.079
7202	15	0.5906	35	1.378	11	0.4331	0.6	0.024	0.3	0.012	16	0.63	1,880	980	18,000	25,000	0.101
7203	17	0.6693	40	1.5748	12	0.4724	0.6	0.024	0.3	0.012	18	0.72	2,480	1,370	17,000	22,000	0.146
7204	20	0.7874	47	1.8504	14	0.5512	1	0.039	0.6	0.024	21.5	0.85	2,990	1,730	15,000	20,000	0.225
7205	25	0.9843	52	2.0472	15	0.5906	1	0.039	0.6	0.024	24	0.94	3,300	2,120	12,000	16,000	0.284
7206	30	1.1811	62	2.4409	16	0.6299	1	0.039	0.6	0.024	27.5	1.08	4,600	3,050	11,000	14,000	0.434
7207	35	1.378	72	2.8346	17	0.6693	1.1	0.043	0.6	0.024	31	1.22	6,100	4,150	9,300	12,000	0.633
7208	40	1.5748	80	3.1496	18	0.7087	1.1	0.043	0.6	0.024	34	1.34	7,200	5,150	8,300	11,000	0.827
7209	45	1.7717	85	3.3465	19	0.748	1.1	0.043	0.6	0.024	37	1.46	8,100	5,900	7,400	9,900	0.904
7210	50	1.9685	90	3.5433	20	0.7874	1.1	0.043	0.6	0.024	39.5	1.56	8,400	6,450	6,700	9,000	1.03
7211	55	2.1654	100	3.937	21	0.8268	1.5	0.059	1	0.039	43	1.69	10,400	8,100	6,100	8,200	1.35
7212	60	2.3622	110	4.3307	22	0.8661	1.5	0.059	1	0.039	47.5	1.87	12,600	10,000	5,700	7,600	1.72
7213	65	2.5591	120	4.7244	23	0.9055	1.5	0.059	1	0.039	50.5	1.99	14,300	11,800	5,200	7,000	2.16
7214	70	2.7559	125	4.9213	24	0.9449	1.5	0.059	1	0.039	53	2.09	15,500	13,000	4,900	6,500	2.45
7215	75	2.9528	130	5.1181	25	0.9843	1.5	0.059	1	0.039	56	2.2	16,000	14,000	4,500	6,000	2.62
7216	80	3.1496	140	5.5118	26	1.0236	2	0.079	1	0.039	59	2.32	18,100	15,600	4,300	5,700	3.13
7217	85	3.3465	150	5.9055	28	1.1024	2	0.079	1	0.039	63.5	2.5	20,200	18,100	4,000	5,300	4.01
7218	90	3.5433	160	6.2992	30	1.1811	2.5	0.098	1	0.039	67.5	2.66	24,000	21,100	3,800	5,000	4.89
7219	95	3.7402	170	6.6929	32	1.2598	2.1	0.083	1.5	0.059	71.5	2.81	27,200	24,200	3,500	4,700	6
7220	100	3.937	180	7.0866	34	1.3386	2.1	0.083	1.5	0.059	76	2.99	29,300	25,700	3,400	4,500	7.19
7221	105	4.1339	190	7.4803	36	1.4173	2.1	0.083	1.5	0.059	80	3.15	32,000	29,000	3,200	4,300	8.53
7222	110	4.3307	200	7.874	38	1.4961	2.1	0.083	1.5	0.059	84	3.31	34,500	32,500	3,000	4,000	10
7224	120	4.7244	215	8.4646	40	1.5748	2.1	0.083	1.5	0.059	90.5	3.56	37,000	36,500	2,800	3,700	13.8
7226	130	5.1181	230	9.0551	40	1.5748	3	0.118	1.5	0.059	95.5	3.76	40,000	40,500	2,500	3,400	15.8
7228	140	5.5118	250	9.8425	42	1.6535	3	0.118	1.5	0.059	103	4.06	41,000	44,000	2,300	3,100	19.4
7230	150	5.9055	270	10.6299	45	1.7717	3	0.118	1.5	0.059	111	4.37	47,000	53,000	2,200	2,900	24.3
7232	160	6.2992	290	11.4173	48	1.8898	3	0.118	1.5	0.059	118	4.65	53,500	62,500	2,000	2,700	30.2
7234	170	6.6929	310	12.2047	52	2.0472	4	0.157	1.5	0.059	127	5	60,000	73,500	1,900	2,500	37.5
7236	180	7.0866	320	12.5984	52	2.0472	4	0.157	1.5	0.059	131	5.16	62,000	78,500	1,800	2,400	39
7238	190	7.4803	340	13.3858	55	2.1654	4	0.157	1.5	0.059	139	5.47	61,500	79,500	1,700	2,200	47
7240	200	7.874	360	14.1732	58	2.2835	4	0.157	1.5	0.059	146	5.75	68,500	91,500	1,600	2,100	55.8



30° Angle