

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

7300 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							
7300	10	.3937	35	1.378	11	.4331	.6	.024	.3	.020	15	.59	2,140	1040	22,000	29,000	.09
7301	12	.4724	37	1.4567	12	.4724	1	.039	.6	.024	16.5	.6496	2,370	1110	19,000	26,000	.099
7302	15	.5906	42	1.6535	13	.5118	1	.039	.6	.024	19	.748	2,810	1500	17,000	22,000	.126
7303	17	.6693	47	1.8504	14	.5512	1	.039	.6	.024	20.5	.81	3,350	1,800	15,000	20,000	.24
7304	20	.7874	52	2.0472	15	.5906	1.1	.043	.6	.024	22.5	.89	3,900	2,170	13,000	18,000	.311
7305	25	.9843	62	2.4409	17	.6693	1.1	.043	.6	.024	27	1.06	5,500	3,300	11,000	15,000	.516
7306	30	1.1811	72	2.8346	19	.748	1.1	.043	.6	.024	31.5	1.24	6,950	4,600	9,600	13,000	.776
7307	35	1.378	80	3.1496	21	.8268	1.5	.059	1	.039	34.5	1.36	8,250	5,450	8,400	11,000	1.03
7308	40	1.5748	90	3.5433	23	.9055	1.5	.059	1	.039	39	1.54	10,100	6,800	7,400	9,900	1.4
7309	45	1.7717	100	3.937	25	.9843	1.5	.059	1	.039	43	1.69	13,100	9,050	6,600	8,900	1.88
7310	50	1.9685	110	4.3307	27	1.063	2	.079	1	.039	47	1.85	15,300	10,800	6,000	8,100	2.45
7311	55	2.1654	120	4.7244	29	1.1417	2	.079	1	.039	52	2.05	17,700	12,800	5,500	7,300	3.13
7312	60	2.3622	130	5.1181	31	1.2205	2.1	.083	1.1	.043	56	2.2	20,200	14,800	5,100	6,800	3.9
7313	65	2.5591	140	5.5118	33	1.2992	2.1	.083	1.1	.043	59.5	2.34	22,900	17,000	4,700	6,300	4.72
7314	70	2.7559	150	5.9055	35	1.378	2.1	.083	1.1	.043	63.5	2.5	25,700	19,300	4,400	5,800	5.75
7315	75	2.9528	160	6.2992	37	1.4567	2.1	.083	1.1	.043	68	2.68	28,000	21,900	4,100	5,400	6.9
7316	80	3.1496	170	6.6929	39	1.5354	2.1	.083	1.1	.043	72	2.83	30,500	24,600	3,800	5,100	8.2
7317	85	3.3465	180	7.0866	41	1.6142	3	.118	1.1	.043	76	2.99	32,500	27,400	3,600	4,800	9.77
7318	90	3.5433	190	7.4803	43	1.6929	3	.118	1.1	.043	80.5	3.17	35,000	30,500	3,400	4,500	11.4
7319	95	3.7402	200	7.874	45	1.7717	3	.118	1.1	.043	84.5	3.33	37,500	33,500	3,200	4,200	13.2
7320	100	3.937	215	8.4646	47	1.8504	3	.118	1.1	.043	89.5	3.52	43,000	40,000	3,000	4,000	16.1
7321	105	4.1339	225	8.8583	49	1.9291	3	.118	1.1	.043	93.5	3.68	45,500	43,500	2,900	3,800	18.4
7322	110	4.3307	240	9.4488	50	1.9685	3	.118	1.1	.043	99	3.9	51,000	51,000	2,700	3,700	21.6
7324	120	4.7244	260	10.2362	55	2.1654	4	.157	1.1	.043	107	4.21	50,500	52,000	2,500	3,300	32.4
7326	130	5.1181	280	11.0236	58	2.2835	4	.157	1.5	.059	115	4.53	56,000	60,500	2,300	3,100	38.8
7328	140	5.5118	300	11.811	62	2.4409	4	.157	1.5	.059	123	4.84	62,000	69,500	2,100	2,800	47.4
7330	150	5.9055	320	12.5984	65	2.5591	4	.157	1.5	.059	131	5.16	67,500	79,000	2,000	2,600	55.3
7332	160	6.2992	340	13.3858	68	2.6772	4	.157	1.5	.059	139	5.47	71,000	87,000	1,800	2,400	65.7
7334	170	6.6929	360	14.1732	72	2.8346	4	.157	1.5	.059	147	5.79	80,000	100,000	1,700	2,300	77.8
7336	180	7.0866	380	14.9606	75	2.9528	4	.157	1.5	.059	155	6.1	84,000	110,000	1,600	2,100	90.2
7338	190	7.4803	400	15.748	78	3.0709	5	.197	2	.079	163	6.42	87,500	120,000	1,500	2,000	104
7340	200	7.874	420	16.5354	80	3.1496	5	.197	2	.079	170	6.69	92,000	125,000	1,400	1,900	117

