

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

6300 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	
6300	10	.3937	35	1.378	11	.4331	1	.039	1830	780	.117
6301	12	.4724	37	1.4567	12	.4724	1.5	.059	2200	950	.132
6302	15	.5906	42	1.6535	13	.5118	1.5	.059	2550	1200	.181
6303	17	.6693	47	1.8504	14	.5512	1.5	.059	3050	1460	.254
6304	20	.7874	52	2.0472	15	.5906	2	.079	3900	1900	.317
6305	25	.9843	62	2.4409	17	.6693	2	.079	5000	2600	.511
6306	30	1.1811	72	2.8346	19	.748	2	.079	6550	3650	.763
6307	35	1.378	80	3.1496	21	.8268	2.5	.098	7500	4300	1.01
6308	40	1.5748	90	3.5433	23	.9055	2.5	.098	9650	5600	1.4
6309	45	1.7717	100	3.937	25	.9843	2.5	.098	12000	7100	1.84
6310	50	1.9685	110	4.3307	27	1.063	3	.118	14000	8500	2.36
6311	55	2.1654	120	4.7244	29	1.1417	3	.118	17000	10600	3.02
6312	60	2.3622	130	5.1181	31	1.2205	3.5	.138	18300	11600	3.75
6313	65	2.5591	140	5.5118	33	1.2992	3.5	.138	20800	13400	4.59
6314	70	2.7559	150	5.9055	35	1.378	3.5	.138	23600	15300	5.56
6315	75	2.9526	160	6.2992	37	1.4567	3.5	.138	25500	17300	6.66
6316	80	3.1496	170	6.6929	39	1.5354	3.5	.138	27500	19300	7.91
6317	85	3.3465	180	7.0866	41	1.6142	4	.157	28500	20000	9.33
6318	90	3.5433	190	7.4803	43	1.6929	4	.157	30000	22800	10.8
6319	95	3.7402	200	7.874	45	1.7717	4	.157	32500	25500	12.5
6320	100	3.937	215	8.4646	47	1.8504	4	.157	36500	30500	15.4
6321	105	4.1339	225	8.8583	49	1.9291	4	.157	39000	33500	17.7
6322	110	4.3307	240	9.4488	50	1.9685	4	.157	42500	37500	21
6324	120	4.7244	260	10.2362	55	2.1654	4	.157	47500	42500	27.3
6326	130	5.1181	280	11.0236	58	2.2835	5	.197	52000	48000	33.3
6328	140	5.5118	300	11.811	62	2.4409	5	.197	57000	55000	40.8
6330	150	5.9055	320	12.5984	65	2.5591	5	.197	64000	67000	57.8
6332	160	6.2992	340	13.3858	68	2.6772	5	.197	67000	72000	63.9
6334	170	6.6929	360	14.1732	72	2.8346	5	.197	73500	81500	76.1
6336	180	7.0866	380	14.9606	75	2.9528	5	.197	80000	91500	93.5
6338	190	7.4803	400	15.748	78	3.0709	6	.236	83000	98000	108
6340	200	7.874	420	16.5354	80	3.1496	6	.236	86500	104000	122

