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Cylindrical Roller Bearing Fit Tolerances

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Basic Bearing Number	Bearing Bore mm.	Bearing Bore inch	ABMA Journal Class	Shaft Journal Maximum	Shaft Journal Minimum	ABMA Housing Class	200 Series OD mm	200 Series Housing Minimum inch	200 Series Housing Maximum inch	300 Series OD mm	300 Series Housing Minimum inch	300 Series Housing Maximum inch
00	10	0.3937	m5	0.3942	0.3939	H6	30	1.1811	1.1816	35	1.3780	1.3786
01	12	0.4724	m5	0.4730	0.4727	H6	32	1.2598	1.2604	37	1.4567	1.4573
02	15	0.5906	m5	0.5912	0.5909	H6	35	1.3780	1.3786	42	1.6535	1.6541
03	17	0.6693	m5	0.6699	0.6696	H6	40	1.5748	1.5754	47	1.8504	1.8510
04	20	0.7874	m5	0.7881	0.7877	H6	47	1.8504	1.8510	52	2.0472	2.0479
05	25	0.9843	m5	0.9850	0.9846	H6	52	2.0472	2.0479	62	2.4409	2.4416
06	30	1.1811	m5	1.1818	1.1814	H6	62	2.4409	2.4416	72	2.8346	2.8353
07	35	1.3780	m5	1.3788	1.3784	H6	72	2.8346	2.8353	80	3.1496	3.1503
08	40	1.5748	m5	1.5756	1.5752	H6	80	3.1496	3.1503	90	3.5433	3.5442
09	45	1.7717	m6	1.7727	1.7721	H6	85	3.3465	3.3474	100	3.9370	3.9379
10	50	1.9685	m6	1.9695	1.9689	H6	90	3.5433	3.5442	110	4.3307	4.3316
11	55	2.1654	m6	2.1666	2.1658	H6	100	3.9370	3.9379	120	4.7244	4.7253
12	60	2.3622	m6	2.3634	2.3626	H6	110	4.3307	4.3316	130	5.1181	5.1191
13	65	2.5591	m6	2.5603	2.5595	H6	120	4.7244	4.7253	140	5.5118	5.5128
14	70	2.7559	n6	2.7574	2.7567	H6	125	4.9213	4.9223	150	5.9055	5.9065
15	75	2.9528	n6	2.9543	2.9536	H6	130	5.1181	5.1191	160	6.2992	6.3002
16	80	3.1496	n6	3.1511	3.1504	H6	140	5.5118	5.5128	170	6.6929	6.6939
17	85	3.3465	n6	3.3483	3.3474	H6	150	5.9055	5.9065	180	7.0866	7.0876
18	90	3.5433	n6	3.5451	3.5442	H6	160	6.2992	6.3002	190	7.4803	7.4814
19	95	3.7402	n6	3.7420	3.7411	H6	170	6.6929	6.6939	200	7.8740	7.8751
20	100	3.9370	n6	3.9388	3.9379	H6	180	7.0866	7.0876	215	8.4646	8.4657
21	105	4.1339	n6	4.1357	4.1348	H6	190	7.4803	7.4814	225	8.8583	8.8594
22	110	4.3307	n6	4.3325	4.3316	H6	200	7.8740	7.8751	240	9.4488	9.4499
24	120	4.7244	n6	4.7262	4.7253	H6	215	8.4646	8.4657	260	10.2362	10.2375
26	130	5.1181	n6	5.1201	5.1192	H6	230	9.0551	9.0562	280	11.0236	11.0249
28	140	5.5118	n6	5.5138	5.5129	H6	250	9.8425	9.8436	300	11.8110	11.8123
30	150	5.9055	p6	5.9082	5.9072	H6	270	10.6299	10.6312	320	12.5984	12.5998
32	160	6.2992	p6	6.3019	6.3009	H6	290	11.4173	11.4186	340	13.3858	13.3872
34	170	6.6929	p6	6.6956	6.6946	H6	310	12.2047	12.2060	360	14.1732	14.1746
36	180	7.0866	p6	7.0893	7.0883	H6	320	12.5984	12.5998	380	14.9606	14.9620
38	190	7.4803	p6	7.4834	7.4823	H6	340	13.3858	13.3872	400	15.7480	15.7494
40	200	7.8740	p6	7.8771	7.8760	H6	360	24.1732	14.1746	420	16.5354	16.5370