

Table XVII Radial Clearance for ISO Cylindrical Roller Bearings, Straight Bore

BEARING BORE		RADIAL CLEARANCE (INTERNAL)									
B		C2		NORMAL		C3		C4		C5	
OVER	INCL.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.	mm/in.
65	80	.010	.045	.040	.075	.065	.100	.090	.125	.130	.165
2.5591	3.1496	.0004	.0018	.0016	.0030	.0026	.0039	.0035	.0049	.0051	.0065
80	100	.015	.050	.050	.085	.075	.110	.105	.140	.155	.190
3.1496	3.9370	.0006	.0020	.0020	.0033	.0030	.0043	.0041	.0055	.0061	.0075
100	120	.015	.055	.050	.090	.085	.125	.125	.165	.180	.220
3.9370	4.7244	.0006	.0022	.0020	.0035	.0033	.0049	.0049	.0065	.0071	.0087
120	140	.015	.060	.060	.105	.100	.145	.145	.190	.200	.245
4.7244	5.5118	.0006	.0024	.0024	.0041	.0039	.0057	.0057	.0075	.0079	.0096
140	160	.020	.070	.070	.120	.115	.165	.165	.215	.225	.275
5.5118	6.2992	.0008	.0028	.0028	.0047	.0045	.0065	.0065	.0085	.0089	.0108
160	180	.025	.075	.075	.125	.120	.170	.170	.220	.250	.300
6.2992	7.0866	.0010	.0030	.0030	.0049	.0047	.0067	.0067	.0087	.0098	.0118
180	200	.035	.090	.090	.145	.140	.195	.195	.250	.275	.330
7.0866	7.8740	.0014	.0035	.0035	.0057	.0055	.0077	.0077	.0098	.0108	.0130
200	225	.045	.105	.105	.165	.160	.220	.220	.280	.305	.365
7.8740	8.8583	.0018	.0041	.0041	.0065	.0063	.0087	.0087	.0110	.0120	.0144
225	250	.045	.110	.110	.175	.170	.235	.235	.300	.330	.395
8.8583	9.8425	.0018	.0043	.0043	.0069	.0067	.0093	.0093	.0118	.0130	.0156
250	280	.055	.125	.125	.195	.190	.260	.260	.330	.370	.440
9.8425	11.0236	.0022	.0049	.0049	.0077	.0075	.0102	.0102	.0130	.0146	.0173
280	315	.055	.130	.130	.205	.200	.275	.275	.350	.410	.485
11.0236	12.4016	.0022	.0051	.0051	.0081	.0079	.0108	.0108	.0138	.0161	.0191
315	355	.065	.145	.145	.225	.225	.305	.305	.385	.455	.535
12.4016	13.9764	.0026	.0057	.0057	.0089	.0089	.0120	.0120	.0152	.0179	.0211
355	400	.100	.190	.190	.280	.280	.370	.370	.460	.510	.600
13.9764	15.7480	.0039	.0075	.0075	.0110	.0110	.0146	.0146	.0181	.0201	.0236
400	450	.110	.210	.210	.310	.310	.410	.410	.510	.565	.665
15.7480	17.7165	.0043	.0083	.0083	.0122	.0122	.0161	.0161	.0201	.0222	.0262
450	500	.110	.220	.220	.330	.330	.440	.440	.550	.625	.735
17.7165	19.6850	.0043	.0087	.0087	.0130	.0130	.0173	.0173	.0217	.0246	.0289
500	560	.120	.240	.240	.360	.360	.480	.480	.600	.690	.810
19.6850	22.0472	.0047	.0094	.0094	.0142	.0142	.0189	.0189	.0236	.0272	.0319
560	630	.140	.260	.260	.380	.380	.500	.500	.620	.780	.900
22.0472	24.8031	.0055	.0102	.0102	.0150	.0150	.0197	.0197	.0244	.0307	.0354
630	710	.145	.285	.285	.425	.425	.565	.565	.705	.865	1.005
24.8031	27.9528	.0057	.0112	.0112	.0167	.0167	.0222	.0222	.0278	.0341	.0396
710	800	.150	.310	.310	.470	.470	.630	.630	.790	.975	1.135
27.9528	31.4961	.0059	.0122	.0122	.0185	.0185	.0248	.0248	.0311	.0384	.0447
800	900	.180	.350	.350	.520	.520	.690	.690	.860	1.095	1.265
31.4961	35.4331	.0071	.0138	.0138	.0205	.0205	.0272	.0272	.0339	.0431	.0498
900	1000	.200	.390	.390	.580	.580	.770	.770	.960	1.215	1.405
35.4331	39.3701	.0079	.0154	.0154	.0228	.0228	.0303	.0303	.0378	.0478	.0553
1000	1120	.220	.430	.430	.640	.640	.850	.850	1.060	1.355	1.565
39.3701	44.0945	.0087	.0169	.0169	.0252	.0252	.0335	.0335	.0417	.0533	.0616
1120	1250	.230	.470	.470	.710	.710	.950	.950	1.190	1.510	1.750
44.0945	49.2126	.0091	.0185	.0185	.0280	.0280	.0374	.0374	.0469	.0594	.0689
1250	1400	.270	.530	.530	.790	.790	1.050	1.050	1.310	1.680	1.940
49.2126	55.1181	.0106	.0209	.0209	.0311	.0311	.0413	.0413	.0516	.0661	.0764
1400	1600	.330	.610	.610	.890	.890	1.170	1.170	1.450	1.920	2.200
55.1181	62.9921	.0130	.0240	.0240	.0350	.0350	.0461	.0461	.0571	.0756	.0866