

Table XXI Radial Clearance for Spherical 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.
100	120	.040	.075	.075	.120	.120	.160	.160	.210	.210	.260
3.9370	4.7244	.0016	.0030	.0030	.0047	.0047	.0063	.0063	.0083	.0083	.0102
120	140	.050	.095	.095	.145	.145	.190	.190	.240	.240	.300
4.7244	5.5118	.0020	.0037	.0037	.0057	.0057	.0075	.0075	.0094	.0094	.0118
140	160	.060	.110	.110	.170	.170	.220	.220	.280	.280	.350
5.5118	6.2992	.0024	.0043	.0043	.0067	.0067	.0087	.0087	.0110	.0110	.0138
160	180	.065	.120	.120	.180	.180	.240	.240	.310	.310	.390
6.2992	7.0866	.0026	.0047	.0047	.0071	.0071	.0094	.0094	.0122	.0122	.0154
180	200	.070	.130	.130	.200	.200	.260	.260	.340	.340	.430
7.0866	7.8740	.0028	.0051	.0051	.0079	.0079	.0102	.0102	.0134	.0134	.0169
200	225	.080	.140	.140	.220	.220	.290	.290	.380	.380	.470
7.8740	8.8583	.0031	.0055	.0055	.0087	.0087	.0114	.0114	.0150	.0150	.0185
225	250	.090	.150	.150	.240	.240	.320	.320	.420	.420	.520
8.8583	9.8425	.0035	.0059	.0059	.0094	.0094	.0126	.0126	.0165	.0165	.0205
250	280	.100	.170	.170	.260	.260	.350	.350	.460	.460	.570
9.8425	11.0236	.0039	.0067	.0067	.0102	.0102	.0138	.0138	.0181	.0181	.0224
280	315	.110	.190	.190	.280	.280	.370	.370	.500	.500	.630
11.0236	12.4016	.0043	.0075	.0075	.0110	.0110	.0146	.0146	.0197	.0197	.0248
315	355	.120	.200	.200	.310	.310	.410	.410	.550	.550	.690
12.4016	13.9764	.0047	.0079	.0079	.0122	.0122	.0161	.0161	.0217	.0217	.0272
355	400	.130	.220	.220	.340	.340	.450	.450	.600	.600	.750
13.9764	15.7480	.0051	.0087	.0087	.0134	.0134	.0177	.0177	.0236	.0236	.0295
400	450	.140	.240	.240	.370	.370	.500	.500	.660	.660	.820
15.7480	17.7165	.0055	.0094	.0094	.0146	.0146	.0197	.0197	.0260	.0260	.0323
450	500	.140	.260	.260	.410	.410	.550	.550	.720	.720	.900
17.7165	19.6850	.0055	.0102	.0102	.0161	.0161	.0217	.0217	.0283	.0283	.0354
500	560	.150	.280	.280	.440	.440	.600	.600	.780	.780	1.000
19.6850	22.0472	.0059	.0110	.0110	.0173	.0173	.0236	.0236	.0307	.0307	.0394
560	630	.170	.310	.310	.480	.480	.650	.650	.850	.850	1.100
22.0472	24.8031	.0067	.0122	.0122	.0189	.0189	.0256	.0256	.0335	.0335	.0433
630	710	.190	.350	.350	.530	.530	.700	.700	.920	.920	1.190
24.8031	27.9528	.0075	.0138	.0138	.0209	.0209	.0276	.0276	.0362	.0362	.0469
710	800	.210	.390	.390	.580	.580	.770	.770	1.010	1.010	1.300
27.9528	31.4961	.0083	.0154	.0154	.0228	.0228	.0303	.0303	.0398	.0398	.0512
800	900	.230	.430	.430	.650	.650	.860	.860	1.120	1.120	1.440
31.4961	35.4331	.0091	.0169	.0169	.0256	.0256	.0339	.0339	.0441	.0441	.0567
900	1000	.260	.480	.480	.710	.710	.930	.930	1.220	1.220	1.570
35.4331	39.3701	.0102	.0189	.0189	.0280	.0280	.0366	.0366	.0480	.0480	.0618
1000	1120	.290	.530	.530	.780	.780	1.020	1.020	1.330	1.330	1.720
39.3701	44.0945	.0114	.0209	.0209	.0307	.0307	.0402	.0402	.0524	.0524	.0677
1120	1250	.320	.580	.580	.860	.860	1.120	1.120	1.460	1.460	1.870
44.0945	49.2126	.0126	.0228	.0228	.0339	.0339	.0441	.0441	.0575	.0575	.0736
1250	1400	.350	.640	.640	.950	.950	1.240	1.240	1.620	1.620	2.060
49.2126	55.1181	.0138	.0252	.0252	.0374	.0374	.0488	.0488	.0638	.0638	.0811
1400	1600	.400	.720	.720	1.060	1.060	1.380	1.380	1.800	1.800	2.300
55.1181	62.9921	.0157	.0283	.0283	.0417	.0417	.0543	.0543	.0709	.0709	.0906