

Table XX Radial Clearance for Inch Series Cylindrical Roller Bearings

BEARING BORE		RADIAL CLEARANCE (INTERNAL)									
B		R1		R2		R3		R4		R5	
OVER	INCL.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm
3.1496	3.9370	.0005	.0016	.0016	.0032	.0032	.0051	.0051	.0077	.0077	.0107
80	100	.013	.041	.041	.081	.081	.130	.130	.196	.196	.272
3.9370	4.7244	.0005	.0018	.0018	.0036	.0036	.0060	.0060	.0089	.0089	.0122
100	120	.013	.046	.046	.091	.091	.152	.152	.226	.226	.310
4.7244	5.5118	.0009	.0022	.0022	.0041	.0041	.0067	.0067	.0101	.0101	.0139
120	140	.023	.056	.056	.104	.104	.170	.170	.257	.257	.353
5.5118	6.2992	.0010	.0026	.0026	.0049	.0049	.0077	.0077	.0112	.0112	.0151
140	160	.025	.066	.066	.124	.124	.196	.196	.284	.284	.384
6.2992	7.0866	.0011	.0027	.0027	.0052	.0052	.0082	.0082	.0118	.0118	.0158
160	180	.028	.069	.069	.132	.132	.208	.208	.300	.300	.401
7.0866	7.8740	.0014	.0032	.0032	.0060	.0060	.0092	.0092	.0130	.0130	.0172
180	200	.036	.081	.081	.152	.152	.234	.234	.330	.330	.437
7.8740	8.6614	.0016	.0034	.0034	.0062	.0062	.0094	.0094	.0132	.0132	.0174
200	220	.041	.086	.086	.157	.157	.239	.239	.335	.335	.442
8.6614	10.2362	.0022	.0040	.0040	.0068	.0068	.0100	.0100	.0138	.0138	.0180
220	260	.056	.102	.102	.173	.173	.254	.254	.351	.351	.457
10.2362	11.8110	.0024	.0042	.0042	.0070	.0070	.0102	.0102	.0140	.0140	.0182
260	300	.061	.107	.107	.178	.178	.259	.259	.356	.356	.462
11.8110	13.7795	.0032	.0050	.0050	.0078	.0078	.0110	.0110	.0148	.0148	.0190
300	350	.081	.127	.127	.198	.198	.279	.279	.376	.376	.483
13.7795	15.7480	.0042	.0065	.0065	.0093	.0093	.0125	.0125	.0163	.0163	.0205
350	400	.107	.165	.165	.236	.236	.318	.318	.414	.414	.521
15.7480	17.7165	.0055	.0080	.0080	.0110	.0110	.0142	.0142	.0180	.0180	.0222
400	450	.140	.203	.203	.279	.279	.361	.361	.457	.457	.564
17.7165	19.6850	.0060	.0085	.0085	.0115	.0115	.0150	.0150	.0200	.0200	.0254
450	500	.152	.216	.216	.292	.292	.381	.381	.508	.508	.645
19.6850	22.0472	.0065	.0090	.0090	.0120	.0120	.0160	.0160	.0210	.0210	.0264
500	560	.165	.229	.229	.305	.305	.406	.406	.533	.533	.671
22.0472	24.8031	.0070	.0100	.0100	.0140	.0140	.0190	.0190	.0240	.0240	.0294
560	630	.178	.254	.254	.356	.356	.483	.483	.610	.610	.747
24.8031	27.9528	.0075	.0110	.0110	.0150	.0150	.0200	.0200	.0250	.0250	.0304
630	710	.191	.279	.279	.381	.381	.508	.508	.635	.635	.772
27.9528	31.4961	.0085	.0130	.0130	.0180	.0180	.0230	.0230	.0280	.0280	.0334
710	800	.216	.330	.330	.457	.457	.584	.584	.711	.711	.848
31.4961	39.3701	.0095	.0140	.0140	.0190	.0190	.0240	.0240	.0300	.0300	.0364
800	1000	.241	.356	.356	.483	.483	.610	.610	.762	.762	.925

If the Radial Clearance of any Inch Series bearing is critical to the performance of the bearing or the equipment, the value should be verified by ARB Engineering before ordering.