



Calculation Tables C

Machining Tolerances

		Length (inches) *				
		.50 - 4	4 - 8	8 - 12	12 - 18	18 +
Diameter (inches)	.50 - 3	+/- .002	+/- .002	+/- .003	+/- .004	+/- .005
	3 - 7	+/- .002	+/- .002	+/- .003	+/- .004	+/- .005
	7 - 12	+/- .002	+/- .002	+/- .004	+/- .004	+/- .005
	12 - 17	+/- .003	+/- .003	+/- .004	+/- .005	+/- .005
	17 - 32	+/- .005	+/- .005	+/- .006	+/- .006	+/- .007

		Length (metric) *				
		12.7-101.6	101.6-203.2	203.2-304.8	304.8-457.2	457.2 +
Diameter (metric)	12.7-76.2	+/- .051	+/- .051	+/- .076	+/- .101	+/- .127
	76.2-177.8	+/- .051	+/- .051	+/- .076	+/- .101	+/- .127
	177.8-304.8	+/- .051	+/- .051	+/- .101	+/- .101	+/- .127
	304.8-431.8	+/- .076	+/- .076	+/- .101	+/- .127	+/- .127
	431.8-812.8	+/- .127	+/- .127	+/- .152	+/- .152	+/- .178

** For calculating bearing size, use machining tolerance total.
 Total tolerance is equal to twice the tolerance in the chart.
 (For bearing .75 x 2 x 7" the total tolerance for calculation = 2 x .002" or .004")*