

# Dimensional tolerances for cold drawn nickel-aluminum bronze

Alloy C63000

Manufactured to:



Designation: B150/B150M-19

Standard Specification for  
Aluminum Bronze Rod, Bar and  
Shapes

Tolerances to:



Designation: B249/B249M-23

Standard Specification for  
General Requirements for Extruded  
and Drawn Copper and Copper-  
Alloy Rod, Bar, Shapes and Forgings

## Diameter tolerance

	Round	Hexagon & octagon
Up to 0.500" inclusive	+/- 0.002"	+/- 0.004"
Over 0.500" to 1.00" inclusive	+/- 0.003"	+/- 0.005"
Over 1.00" to 2.00" inclusive	+/- 0.004"	+/- 0.006"
Over 2.00"	0.20% of the diameter	0.40% of the flat to flat

**Example of the over 2" diameter tolerance:**

2.5" diameter x 0.002 (0.20%) = 0.005". Therefore, the tolerance would be +/- 0.005"

2.5" hexagon x 0.004 (0.40%) = 0.010". Therefore, the tolerance would be +/- 0.010"