

# Straightness Tolerances Cast Products

Product	Length* ft (m)	Maximum Curvature† (Depth of arc), in. (mm)
Round rod or tube	up to 10 (3.05)	1/4 (6.4) in any 5-ft (1.52-m) portion
Round rod or tube	10 (3.05) and over	1/2 (13) in any 10-ft (3.05-m) portion*
Bar and shape	any length	1/2 (13) in any 6-ft (1.83-m) portion**

\*Total length.

†Applicable to any longitudinal surface or edge.

Straightness tolerances are critical due to the increased speed capabilities of the new generation CNC equipment. All of our bars and tubes are Medart® straightened enabling them to exceed ASTM B505 straightness requirements. In turn, this allows our customers to utilize the optimum performance of their equipment, thus, increasing their competitive advantage.