

Straightness Tolerance

Hot Rolled Steel Bars Rounds, Squares, Hexagons, Octagons, Flats and Spring Flats

Measurement is Taken on the Concave Side of the Bar with a Straight Edge

Normal Straightness*	Special Straightness**
1/4 in. (6.35 mm) in any	1/8 in. (3.18 mm) in any
5 ft. (1524 mm) or 0.4	5 ft. (1524 mm) or 0.2
per cent of length for	per cent of length for
lengths over 5 ft.	lengths over 5 ft.
(1524 mm)	(1524 mm)

*Because of distortion, normal straightness tolerances do not apply if any subsequent heating operation has been performed.

**Because of distortion, special straightness tolerances do not apply if any subsequent heating operation except stress relieving has been performed after special straightening. Increased surface hardness is normal to the operation.

Note: Tolerances shown are based upon ASTM A29. Reference: AISI Steel Products Manual, Alloy, Carbon and HSLA Steels. March, 1986.