



Typical Physical Properties*

Hardness.....	186 BHN
Tensile Strength.....	82,000 P.S.I.
Yield Strength.....	33,000 P.S.I.
Elongation	35%
Reduction of Area.....	45%
*Based on 1/2" Diameter Specimen	

Available Sizes (English & Metric)

3/16" Round to 4-1/2" Round
5MM Round to 40MM Round

Stock Lengths

11 / 13 Ft Random Lengths
Custom Cut To Lengths – Product of the Full Bar

Typical Diameter Tolerances (English)

Up to 1-1/2" Round	(+.000"/-.001")
Over 1-1/2" Round to 2-1/2" Round	(+.000"/-.002")
Over 2-1/2" Round to 3-1/2" Round	(+.000"/-.003")
Over 3-1/2" Round and Above	Call for details

Typical Diameter Tolerances (Metric)

Up to 38MM Round	(+.000"/-.001")
38MM Round to 60MM Round	(+.000"/-.002")

Advantages of Sheffield Stainless

CORROSIVE RESISTANT – best corrosion resistance of all common commercially available austenitic grades. Meets and exceeds service requirements for 316/316L dual certification.

GOOD MACHINABILITY – This grade has good machinability with standard high speed tools. Consider our Excalibur tool bits.

HIGHER TENSILE STRENGTH – Strain hardened for improved shaft life.

PRECISION TOLERANCE – Consistently delivers tolerances that are “near bearing fit”; unlike centerless ground or peeled bars that may be to plus or minus tolerances.

EXCELLENT FINISH – Typical surface finish of 15 RMS.

Sheffield Stainless Steel is a general purpose, corrosive resistant steel. Standardize on SHEFFIELD for your stainless steel requirements. It is heat resistant for applications where operating temperatures are in the 1600 °F range. Excellent service in higher temperature applications where temperature is intermittent.

Compared to any of the 300 series austenitic grades of stainless, **Sheffield Stainless Steel**, offers a high degree of resistance to corrosion and scaling.

Consider as an upgrade for type 304 and 316 stainless steel.

Boxing recommended.

Past Protected Trade Name Of Pyramid Steel Company – Lusterex™