

# THE STEEL SUPPLY COMPANY

Tubing Material Specification 1020

Produced Per ASTM A513, Type 5

## Chemical Composition Limits

Carbon	0.18-0.23
Manganese	0.60-0.90
Phosphorous	0.025
Sulfur	0.025

## Mechanical Properties of 1020

Tensile Strength, PSI	80,000 Min.
Tensile Strength Mpa	551
Yield Strength, PSI	70,000 Min.
Yield Strength Mpa	482
Elongation %	18 Min.
Hardness HRb	75 Min.

\*Mpa is the abbreviation for Megapascals.

1020 is the most common grade for small diameter with thin wall carbon steel DOM tubing. This material is offered with a chrome plated O.D., or a honed I.D.