

Material: EN 1.5408

Standard Specification for Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.5408 Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Rod, Bars, Wire and Extrusion

Chemical Composition		
Carbon	C %	0.280 - 0.320
Silicon	Si %	0.300 max.
Manganese	Mn %	0.800 - 1.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.300 max.
Boron	B %	0.0008 - 0.0050
Molybdenum	Mo %	0.080 - 0.120
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalizing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	630 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	57 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03011	UNS	USA	Casting
1.1811	DIN	Germany	Casting
161-480	BS	British	Casting
1030	AISI	USA	Forging, Bar, Wire, and Shape
SCPL1	JIS	Japan	Casting
A732 2Q	ASTM	USA	Casting
A732 2A	ASTM	USA	Casting

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