



## 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			Heat Treatment	
Carbon	C %	0.280 - 0.320	Annealing or Normalising or Hardening + Tempering	
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.	Mechanical Properties	
Iron	Fe %	Balance	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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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