

Material: UNS S35115

Standard Specification for Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS S35115 Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

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

Grade Belongs to the Industry: Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	23.000 - 25.000		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	1.500 - 2.500		
Nitrogen	N %	0.200 - 0.300		
Nickel	Ni %	19.000 - 22.000		
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			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	585 min.
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	100 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Incoloy Alloy 865	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
A 240 S35115	ASTM	USA	Plate, Sheet and Strip
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