

Material: ASTM A 240 S35115

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM A 240 S35115 Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip

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

Grade Belongs to the Industry: Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardening	
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 %	10.000 - 22.000		
-	-	-	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
S35115	UNS	USA	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
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