

# 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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardening	

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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-	-	-	-
-	-	-	-
-	-	-	-
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