

## Material - ASME SA-312 UNS S35315

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

**Group - Ferrous Stainless Steel Alloys** 

Sub Group - ASME SA-312 UNS S35315 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 - 0.080		
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 - 4.000		
Phosphorus	Р%	0.045 max.	Solution Annealing	
Sulphur	S %	0.030 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	34.000 - 36.000		
Nitrogen	N %	0.120 - 0.180		
Cerium	Ce %	0.030 - 0.080	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	650 min.
-	-	-	Yield Strength in Mpa	270 min.
-	-	-	Elongation in %	25 min.
	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Country Grade Belong to the Industry	
A240 UNS S35315	ASTM	USA	Steel, Plate, Sheet and Strip	
S35315	UNS	USA	Steel	
A167 S35315	ASTM	USA	Steel, Sheet, Plate and Strip	
A312 S35315	ASTM	USA	Steel and Pipe	
A959 S35315	ASTM	USA	Steel	
SA-240 UNS S35135	ASME	USA	Steel	
X 6 NiCrSiNCe 35 25	EN	European Union	Steel	

## Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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