

Material: ASME SA-312 S35045

Standard Specification for Seamless and Heavily Cold Worked Austenitic Stainless Steel Pipes

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SA-312 S35045 Seamless and Heavily Cold Worked Austenitic Stainless Steel Pipes

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

Grade Belongs to the Industry: Pipe

Chemical Composition		
Carbon	C %	0.060 - 0.100
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Chromium	Cr %	25.000 - 29.000
Sulphur	S %	0.015 max.
Copper	Cu %	0.750 max.
Aluminium	Al %	0.150 - 0.600
Titanium	Ti %	0.150 - 0.600
Nickel	Ni %	32.000 - 37.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	170 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Incoloy Alloy 803	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
A 312 S35045	ASTM	USA	Pipe
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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