



Material - ASTM A 312 S35045

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM A 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			Heat Treatment	
Carbon	C %	0.060 - 0.100	As-Cast or Annealing or Age Hardning	
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		
-	-	-	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 -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Incoloy Alloy 803	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
SA-312 S35045	ASME	USA	Pipe
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-	-	-	-
-	-	-	-
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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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