

Material - ASTM A 276 S20161

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 - ASTM A 276 S20161 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, Bar and Shapes

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Solution Annealing	
Silicon	Si %	3.000 - 4.000		
Manganese	Mn %	4.000 - 6.000		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	15.000 - 18.000		
Nickel	Ni %	4.000 - 6000		
Nitrogen	N %	0.080 - 0.200		-
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	860 min.
-	-	-	Yield Strength in Mpa	345 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in HB	311 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
A240 UNS S20161	ASTM	USA	Steel, Plate, Sheet and Strip	
S20161	UNS	USA	Steel	
A479 S20161	ASTM	USA	Steel and Bar	
A959 S20161	ASTM	USA	Steel	
SA-240 UNS S20161	ASME	USA	Steel	
SA-276 S20161	ASME	USA	Steel, Bar and Shapes	
SA-479 UNS S20161	ASME	USA	Steel and Bar	

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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