

Material - ASTM A 276 S44700

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 S44700 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 %	0.010 max.		
Silicon	Si %	1.000 max.		
Manganese	Mn %	0.300 max.	Annealing or Hardening + Tempering	
Phosphorus	Р%	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	28.000 - 30.000		
Molybdenum	Mo %	3.500 - 4.200		
Nickel	Ni %	0.150 max.		
Nitrogen	N %	0.020 max.	Mechanical Properties	
Copper	Cu %	0.150 max.	Tensile Strength in Mpa	480 min.
C + N	C% + N%	0.025 max.	Yield Strength in Mpa	415 min.
Iron	Fe %	Balance	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in HB</mark>	217 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
A240 UNS S44700	ASTM	USA	Steel, Plate, Sheet and Strip	
S44700	UNS	USA	Steel	
A176 S44700	ASTM	USA	Steel, Sheet, Plate and Strip	
A479 S44700	ASTM	USA	Steel	
A493 S44700	ASTM	USA	Steel, Wire, Rod and Forging	
A580 S44700	ASTM	USA	Steel and Pipe	
SA-276 S44700	ASME	USA	Steel, Bar and Shapes	

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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