

Material - ASTM A 176 S44635

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 176 S44635 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, Sheet, Plate and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.025 max.		
Silicon	Si %	0.750 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	Ρ%	0.040 max.	Annealing or Hardening + Tempering	
Sulphur	S %	0.030 max.		
Chromium	Cr %	24.500 - 26.000		
Molybdenum	Mo %	3.500 - 4.500		
Nickel	Ni %	3.500 - 4.500		
Nitrogen	N %	0.035 max.	Mechanical Properties	
Titanium	Ti %	0.800 max.	Tensile Strength in Mpa	620 min.
Iron	Fe %	Balance	Yield Strength in Mpa	515 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in HB</mark>	270 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
A240 UNS S44635	ASTM	USA	Steel, Plate, Sheet and Strip	
S11635	UNS	USA	Steel	
SA-240 UNS S44635	ASME	USA	Steel	
A268 25-4-4	ASTM	USA	Steel and Tube	
A791 Grade 25-4-4	ASTM	USA	Steel and Tube	
A803 Grade 25-4-4	ASTM	USA	Steel and Tube	
A959 Type 25-4-4	ASTM	USA	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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