

Material - ASTM A 240 S31726

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 240 S31726 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

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.		
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 max.	Solution Annealing	
Phosphorus	Р%	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 20.000		
Molybdenum	Mo %	4.000 - 5.000		
Nickel	Ni %	13.500 - 17.500		
Nitrogen	N %	0.100 - 0.200	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	223 max.
-	-	-	Impact in Joule	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
A240 UNS S31725	ASTM	USA	Steel, Plate, Sheet and Strip	
A358 S31725	ASTM	USA	Steel	
A403 WP S31725	ASTM	USA	Steel and Pipe	
A943 S31725	ASTM	USA	Steel and Pipe	
SA-312 UNS S31725	ASME	USA	Steel and Pipe	
SA-376	ASME	USA	Steel and Pipe	
SA-409 UNS S31725	ASME	USA	Steel and Pipe	

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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