



Material - ASME SA-240 Type 29-4-2

Standard Specification for Chromium Stainless Steel Plate, Sheet and Strip for Fusion Welded Unfired Pressure Vessels

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 Type 29-4-2 Chromium Stainless Steel Plate, Sheet and Strip for Fusion Welded Unfired Pressure Vessels

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.300 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	28.000 - 30.000		
Molybdenum	Mo %	3.500 - 4.200		
Nickel	Ni %	2.000 - 2.500	Mechanical Properties	
Nitrogen	N %	0.020 max.	Tensile Strength in Mpa	550 min.
C+N	C % + N %	0.025 max.	Yield Strength in Mpa	415 min.
Copper	Cu %	0.150 max.	Elongation in %	20 min.
Iron	Fe %	Balance	Reduction of Area in %	-
-	-	-	Hardness in HB	223 max. (20 max. HRC)
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S44800	UNS	USA	Plate, Sheet and Strip
A268 29-4-2	ASTM	USA	Plate, Sheet and Strip
A497 S44800	ASTM	USA	Plate, Bar and Forging
A511 29-4-2	ASTM	USA	Tube
A791 Grade 29-4-2	ASTM	USA	Plate, Sheet and Strip
SA-731 29-4-2	ASME	USA	Casting
A731 29-4-2	ASTM	USA	Casting

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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