GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 S82013

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 S82013 Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.060 max.
Manganese	Mn %	2.500 - 3.500
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.900 max.
Chromium	Cr %	19.500 - 22.000
Nickel	Ni %	0.500 - 1.500
Nitrogen	N %	0.200 - 0.300
Copper	Cu %	0.200 - 1.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	450 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	293 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S82013	UNS	USA	Steel
A 240 S44500	ASTM	USA	Plates, Sheet and Strip
A 959 S44500	ASTM	USA	Steel
G 4312 SUS 430J 1L	JIS	Japan	Plates and Sheets
G 4305 SUS 430J 1L	JIS	Japan	Plate, Sheet and Strip
G 3463 SUS 430J 1LTB	JIS	Japan	Steel and Tubing
D 3698 STS 430J1L	KS	Korea	Plate, Sheet and Strip

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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