GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 S44800

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 S44800 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 %	0.010 max.
Manganese	Mn %	0.300 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Silicon	Si %	0.200 max.
Chromium	Cr %	28.000 - 30.000
Nickel	Ni %	2.000 - 2.500
Molybdenum	Mo %	3.500 - 4.200
Nitrogen	N %	0.020 max.
Copper	Cu %	0.150 max.
C + N	C % + N %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	415 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	223 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SA-479 UNS S44800	ASME	USA	Steel and Bars
A 240 S44800	ASTM	USA	Plate, Sheet and Strip
A 959 Type 29-4-2	ASTM	USA	Steel
A 511 29-4-2	ASTM	USA	Steel and Tubing
A 268 29-4-2	ASTM	USA	Steel and Tubing
A 580 S44800	ASTM	USA	Steel and Wire
A 276 S44800	ASTM	USA	Bars 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.