GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 S20433

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 S20433 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 %	0.080 max.
Manganese	Mn %	5.500 - 7.500
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.000 - 18.000
Nickel	Ni %	3.500 - 5.500
Nitrogen	N %	0.100 - 0.250
Copper	Cu %	1.500 - 3.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	240 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	217 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S20100	UNS	USA	Steel
G 4309 SUS 201	JIS	Japan	Steel and Wire
A 666 Type 201	ASTM	USA	Plate, Sheet, Strip and Bars
A 276 201	ASTM	USA	Bars and Shapes
A 473 201	ASTM	USA	Steel
A 213 TP201	ASTM	USA	Steel and Tubing
J 405 30201	SAE	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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