



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE 201

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 - SAE 201 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 %	0.150 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	5.500 - 7.500		
Phosphorus	P %	0.060 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	16.000 - 18.000		
Nickel	Ni %	3.500 - 5.500		
Nitrogen	N %	0.050 - 0.250		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S20100	ASTM	USA	Steel, Plate, Sheet and Strip
1.4372	DIN	Germany	Steel
SUS 201	JIS	Japan	Steel, Wire and Forging
X12CrMnNiN17-7-5	AFNOR NF	France	Steel
X12CrMnNiN17-7-5	UNI	Italy	Steel
X12CrMnNiN17-7-5	DIN	Germany	Steel
X12CrMnNiN17 7 5	EN	European Union	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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