

Material: AISI 202

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: AISI 202 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: Bar, Wire, Shape, Steel and Forging

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	7.500 - 10.500
Phosphorus	P %	0.060 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	4.000 - 6000
Nitrogen	N %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	
Mechanical Properties	
Tensile Strength in Mpa	
Yield Strength in Mpa	
Elongation in %	
Reduction of Area in %	
Hardness in HB	
Impact in Joule	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S20200	ASTM	USA	Steel, Plate, Sheet and Strip
202	SAE	USA	Bar, Wire, Shape, Steel and Forging
X12CrMnNiN18-9-5	AFNOR NF	France	Steel
X12CrMnNiN18-9-5	DIN	Germany	Steel
X12CrMnNiN18-9-5	UNI	Italy	Steel, Sheet, Strip and Plate
X12CrMnNiN18 9 5	EN	European Union	Steel
SUS 202	JIS	Japan	Steel, Plate, Strip and Sheet

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India