

Material: UNI X 16 CrNi 23-14

Standard Specification for Corrosion and Heat Resisting, Stainless Steel Plate, Sheet, Strip and Coil

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI X 16 CrNi 23-14 Corrosion and Heat Resisting, Stainless Steel Plate, Sheet, Strip and Coil

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Plate, Sheet, Strip and Coil

Chemical Composition		
Carbon	C %	0.200 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	22.000 - 24.000
Nickel	Ni %	12.000 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	540 - 735
Yield Strength in Mpa	225 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	220 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4833	EN	European Union	Hot or Cold Rolled, Sheet, Plate, Strip, Bar and Rods
SUH 309	JIS	Japan	Bar, Sheet, Strip and Coil
309	SAE	USA	Bar, Wire, Shapes and Forging
SA-351 Grade CH20	ASME	USA	Casting
X 15 CrNi 24-13	AFNOR NF	France	Rolled Tubes for Pressure Service
A743 CH20	ASTM	USA	Casting
A351 CH20	ASTM	USA	Casting

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