

Material: EN 1.4833

Standard Specification for Iron-Chromium-Nickel, Hot or Cold Rolled, Sheet, Plate, Strip, Bar and Rods

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4833 Iron-Chromium-Nickel, Hot or Cold Rolled, Sheet, Plate, Strip, Bar and Rods

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

Grade Belongs to the Industry: Hot or Cold Rolled, Sheet, Plate, Strip, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	1.500 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	12.000 - 14.000		
Nitrogen	N %	0.100 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	500 - 700
-	-	-	Yield Strength in Mpa	210 min.
-	-	-	Elongation in %	33 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	192 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
309	SAE	USA	Bar, Wire, Shapes and Forging
SUH 309	JIS	Japan	Bar, Sheet, Strip and Coil
X 16 CrNi 23-14	UNI	Italy	Plate, Sheet, Strip and Coil
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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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