

Material: UNE GX4CrNi13-4

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: UNE GX4CrNi13-4 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	12.000 - 13.500		
Molybdenum	Mo %	0.700 max.		
Nickel	Ni %	3.500 - 5.000		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.800 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	700 - 960
-	-	-	Yield Strength in Mpa	500 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	24 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GX4CrNi13-4	BS	British	Plate, Tubes and Forging
GX4CrNi13-4	ISO	International	Casting
1.4317	ISO	International	Casting
A 743 Grade CA-6NM	ASTM	USA	Casting
A 743 J91540	ASTM	USA	Casting
GX4CrNi13-4	PN	Poland	Casting
GX4CrNi13-4	AFNOR NF	France	Casting

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