



Material - ISO 1.4317

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - ISO 1.4317 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 750 - 960 Yield Strength in Mpa 550 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 35 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
A 743 Grade CA-6NM	ASTM	USA	Casting
A 743 J91540	ASTM	USA	Casting
GX4CrNi13-4	UNE	Spain	Casting
GX4CrNi13-4	NS	Norway	Casting
GX4CrNi13-4	AFNOR NF	France	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.