



Material - CSN GX4CrNiMo16-5-1

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - CSN GX4CrNiMo16-5-1 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 %	0.800 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	15.000 - 17.000		
Molybdenum	Mo %	0.700 - 1.500		
Nickel	Ni %	4.000 - 6.000		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 760 - 960 Yield Strength in Mpa 540 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX4CrNiMo16-5-1	BS	British	Plate, Tubes and Forging
1.4405	ISO	International	Casting
GX4CrNiMo16-5-1	ISO	International	Casting
GX4CrNiMo16-5-1	ONORM	Australia	Casting
GX4CrNiMo16-5-1	NBN	Belgium	Casting
GX4CrNiMo16-5-1	BDS	Bulgaria	Casting
GX4CrNiMo16-5-1	EN	European Union	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.