



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - EN 1.4408

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN 1.4408 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 %	0.070 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	9.000 - 12.000		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 440 - 640 Yield Strength in Mpa 185 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX5CrNiMoNb19-11-2	BS	British	Plate, Tubes and Forging
GX5CrNiMoNb19-11-2	EN	European Union	Casting
GX5CrNiMoNb19-11-2	CSN	Czech Republic	Casting
1.4408	CSN	Czech Republic	Casting
GX5CrNiMoNb19-11-2	MSZ	Hungary	Casting
1.4408	MSZ	Hungary	Casting
GX5CrNiMoNb19-11-2	DIN	Germany	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.

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