



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO G17NiCrMo13-6

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO G17NiCrMo13-6 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 %	0.150 - 0.190	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.550 - 0.800		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	1.300 - 1.800		
Molybdenum	Mo %	0.450 - 0.600		
Nickel	Ni %	3.000 - 3.500		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 750 - 900 Yield Strength in Mpa 600 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 G17NiCrMo13-6	BS	British	Plate, Tubes and Forging
1.6781	ISO	International	Casting
A 352 Grade LC2-1	ASTM	USA	Casting
A 352 J42215	ASTM	USA	Casting
G 17 NiCrMo13 6	ONORM	Australia	Casting
G 17 NiCrMo13 6	NBN	Belgium	Casting
G 17 NiCrMo13 6	BDS	Bulgaria	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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