



## Material - UNI G17NiCrMo13-6

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - UNI 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	Normalising or Annealing or Hardening + Tempering	
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		
Vanadium	V %	0.050 max.		
Copper	Cu %	0.300 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
1.6781	EN	European Union	Casting
1.6781	DIN	Germany	Casting
G17NiCrMo13-6	DIN	Germany	Casting
G17NiCrMo13-6	EN	European Union	Casting
G17NiCrMo13-6	AFNOR NF	France	Casting
GS-18NiCrMo12 6	DIN	Germany	Casting
1.6781	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](mailto:marketing@gravitycastindia.com)**

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