

## Material: AFNOR NF G17NiCrMo13-6

### Standard Specification for Steel Castings for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AFNOR NF 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 Annealing or Hardening + Tempering	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.550 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	1.300 - 1.800		
Molybdenum	Mo %	0.450 - 0.600		
Nickel	Ni %	3.000 - 3.500	<b>Mechanical Properties</b> 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      -	
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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	UNI	Italy	Casting
GS-18NiCrMo12 6	DIN	Germany	Casting
1.6781	DIN	Germany	Casting

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