

Material: EN GS-24Mn6

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN GS-24Mn6 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 %	0.200 - 0.250	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.500 - 1.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	600 min.
-	-	-	Yield Strength in Mpa	400 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.1118	DIN	Germany	Casting
1.1119	EN	European Union	Casting
1.1119	DIN	Germany	Casting
GS-24Mn6	DIN	Germany	Casting
GS-23Mn6	DIN	Germany	Casting
G23 Mn6	EN	European Union	Casting
1.1118	EN	European Union	Casting

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