

Material: EN 1.1119

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.1119 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 %	0.300 - 0.500		
Manganese	Mn %	1.500 - 1.700		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.003 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	0.400 max.		
Molybdenum	Mo %	0.150 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - 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	DIN	Germany	Casting
1.1118	EN	Germany	Casting
GS-24Mn6	DIN	Germany	Casting
GS-23Mn6	DIN	Germany	Casting
G23 Mn6	EN	European Union	Casting
GS-24Mn6	EN	European Union	Casting

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