

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		
Carbon	C %	0.200 - 0.250
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

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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