

Material: EN G X 15 CrMo 5

Standard Specification for Steel Castings for Pressure Purposes; Steel Grades for Use at Room Temperature and Elevated Temperatures

Group: Ferrous Mild Steel Alloys

Sub Group: EN G X 15 CrMo 5 Steel Castings for Pressure Purposes; Steel Grades for Use at Room Temperature and Elevated Temperatures

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 - 0.190	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	4.000 - 6.000		
Molybdenum	Mo %	0.450 - 0.650		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	630 - 760
-	-	-	Yield Strength in Mpa	420 min.
-	-	-	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A426 Grade CP5	ASTM	USA	Casting
G S 12 CrMo 19-5	DIN	Germany	Casting
A426 Grade CP5	ASTM	USA	Casting
SCPH 61	JIS	Japan	Casting
1.7363	DIN	Germany	Casting
G X 12 CrMo 5	DIN	Germany	Casting
A217 Grade C5	ASTM	USA	Casting

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