

# 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	
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	
-	-	-	Normalizing or Annealing or Hardening + Tempering
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

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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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India