



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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	Normalising 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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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