

Material: ISO GX15CrMo5

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: ISO GX15CrMo5 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 %	0.120 - 0.190	Normalizing or Quenching or Solution Annealing	
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		
Copper	Cu %	0.300 max.		
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	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GX15CrMo5	BS	British	Plate, Tubes and Forging
1.7365	ISO	International	Casting
SCPH 61	JIS	Japan	Casting
A 217 Grade C5	ASTM	USA	Casting
A 217 J42045	ASTM	USA	Casting
1.7365	BS	British	Casting
GX 15 CrMo 5	SS	Sweden	Casting

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