

Material: BS 1.7365

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: BS 1.7365 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
GX15CrMo5	ISO	International	Casting
1.7365	ISO	International	Casting
SCPH 61	JIS	Japan	Casting
A 217 Grade C5	ASTM	USA	Casting
A 217 J42045	ASTM	USA	Casting
GX 15 CrMo 5	SS	Sweden	Casting

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