

Material: BS EN 10213 GX2CrNiMo19-11-2

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: BS EN 10213 GX2CrNiMo19-11-2 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Plate, Tubes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	18.000 - 20.000		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	9.000 - 12.000		
Copper	Cu %	0.500 max.		
Nitrogen	N %	0.200 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 220 min. Yield Strength in Mpa 175 min. Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule 80 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4409	ISO	International	Casting
GX2CrNiMo19-11-2	ISO	International	Casting
SCS 16A	JIS	Japan	Casting
A 743 Grade CF-3M	ASTM	USA	Casting
A 743 J92800	ASTM	USA	Casting
A 744 Grade CF-8M	ASTM	USA	Casting
GX2CrNiMo19-11-2	MSZ	Hungary	Casting

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