

## Material: BS EN 10213 G9Ni14

### Standard Specification for Steel Castings for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** BS EN 10213 G9Ni14 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 %	0.060 - 0.120	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.200 max.		
Nickel	Ni %	3.000 - 4.000		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa 360 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G9Ni14	ISO	International	Casting
1.5638	ISO	International	Casting
A 352 Grade LC3	ASTM	USA	Casting
A 352 J31550	ASTM	USA	Casting
G 9 Ni 14	CSN	Czech Republic	Casting
G 9 Ni 14	EN	European Union	Casting
G 9 Ni 14	DIN	Germany	Casting

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