



Material - BS 10216-5 EN X 2 CrNiN 23 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10216-5 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	3.500 - 5.500		
Molybdenum	Mo %	0.100 - 0.600		
Nitrogen	N %	0.050 - 0.200		
Copper	Cu %	0.100 - 0.600		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 600 - 820 Yield Strength in Mpa 400 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 40 min. @ -40°C	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4362	EN	European Union	Tube
1.4362	BS	British	Steel, Bar and Rod
1.4362	DIN	Germany	Steel, Bar and Rod
X2CrNiN23 4	AFNOR NF	France	Steel
X2CrNiN23 4	DIN	Germany	Steel, Bar and Rod
X2CrNiN 234	ISO	International	Steel, Bar, Rolling and Forging
X2CrNiN 23-4	UNI	Italy	Steel, Sheet, Plate and Strip

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

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