



Material - BS 10216-5 EN X1CrNiMoN25-22-2

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 - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	21.000 - 23.000		
Molybdenum	Mo %	2.000 - 2.500		
Nitrogen	N %	0.100 - 0.160		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 540 - 740 Yield Strength in Mpa 260 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ -196°C	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4466	BS	British	Steel, Sheet, Plate and Strip
1.4466	DIN	Germany	Steel, Sheet, Plate and Strip
X1CrNiMoN25-22-2	UNI	Italy	Steel, Sheet, Plate and Strip
X1CrNiMoN25-22-2	AFNOR NF	France	Steel
X1CrNiMoN25-22-2	DIN	Germany	Steel, Plate, Sheet and Strip
Z2CND25-22Az	AFNOR NF	France	Steel
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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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