



Material - EN 1.4466

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN 1.4466 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Sheet, Strip and Plate

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		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	21.000 - 23.000		
Nitrogen	N %	0.100 - 0.160		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		500 - 2100		
Yield Strength in Mpa		250 min.		
Elongation in %		20 min.		
Reduction of Area in %		-		
Hardness in HB		240 max.		
Impact in Joule		60 J @ RT		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4466	EN	European Union	Tube
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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