



## Material - AFNOR NF X1CrNiMoN25-22-2

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF X1CrNiMoN25-22-2 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel

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		
-	-	-	<b>Mechanical Properties</b> 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	
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-	-	-		
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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
1.4466	DIN	Germany	Steel, Sheet, Plate and Strip
X1CrNiMoN25-22-2	UNI	Italy	Steel, Sheet, Plate and Strip
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](mailto:marketing@gravitycastindia.com)**

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