

Material: AFNOR NF Z 2 CND 25-22 Az

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF Z 2 CND 25-22 Az 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		
Carbon	C %	0.020 max.
Silicon	Si %	0.750 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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	520 - 720
Yield Strength in Mpa	230 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	-
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
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
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