

Material: DIN 1.4466

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 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		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	21.000 - 23.000
Nitrogen	N %	0.800 - 0.160
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 2100
Yield Strength in Mpa	245 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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