

Material: EN 1.4410

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4410 Seamless Steel Tubes for Pressure Purposes

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

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

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	3.000 - 4.500
Nickel	Ni %	6.000 - 8.000
Nitrogen	N %	0.200 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	730 - 2100
Yield Strength in Mpa	500 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	310 max.
Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4410	BS	British	Tube
1.441	DIN	Germany	Steel, Sheet, Plate and Strip
X2CrNiMoN25-7-4	AFNOR NF	France	Steel
X2CrNiMoN25-7-4	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoN25-7-4	UNI	Italy	Steel, Bar and Rod
X2CrNiMoN25 7 4	EN	European Union	Steel and Forging
S32750	UNS	USA	Steel

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