

Material: EN 1.4910

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4910 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Flat

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 max.	Solution Annealing	
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	16.000 - 18.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	12.000 - 14.000		
Boron	B %	0.0015 - 0.0050		
Nitrogen	N %	0.100 - 0.180		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	550 - 780
			Yield Strength in Mpa	260 min.
			Elongation in %	30 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
10216-5 EN 1.4910	BS	British	Tube
1.491	DIN	Germany	Steel and Flat
X3CrNiMoBN17-13-3	EN	European Union	Steel
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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