

Material: EN 1.4507

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4507 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			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	24.000 - 26.000		
Molybdenum	Mo %	2.700 - 4.000		
Nickel	Ni %	5.500 - 7.500		
Copper	Cu %	1.000 - 2.500		
Nitrogen	N %	0.150 - 0.300		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 690 - 1050 Yield Strength in Mpa 475 min. Elongation in % 20 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 1.4507	BS	British	Tube
1.4507	DIN	Germany	Steel, Sheet, Plate and Strip
X2CrNiMoCuN25-6-3	AFNOR NF	France	Steel
X2CrNiMoCuN25-6-3	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoCuN25-6-3	UNI	Italy	Steel, Sheet, Strip and Plate
X2CrNiMoCuN25 6 3	EN	European Union	Steel and Tube
X3CrNiMoCuN25-7	AFNOR NF	France	Steel and Tube

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