

# Material: DIN 1.4507

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN 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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

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	EN	European Union	Tube
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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