

## Material: BS 318 S 17

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** BS 318 S 17 Seamless Steel Tubes for Pressure Purposes

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

**Grade Belongs to the Industry:** Steel and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	11.000 - 14.000		
Niobium	Nb %	1.000 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 900 max. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4580	EN	European Union	Tube
1.458	DIN	Germany	Steel, Sheet, Plate and Strip
10216-5	BS	British	Steel, Sheet, Plate and Strip
X6CrNiMoNb17 12 2	DIN	Germany	Steel, Sheet, Plate and Strip
X6CrNiMoNb17 12 2	UNE	Spain	Steel, Bar, Wire, Rod and Forging
X6CrNiMoNb17 12 2 KKW	ONORM	Australia	Steel
X6CrNiMoNb17-12-2	AFNOR NF	France	Steel, Bar and Rods

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