

Material: BS 10216-5 EN 1.4918

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 10216-5 Seamless Steel Tubes for Pressure Purposes

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

Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 - 0.080	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		
Nickel	Ni %	12.000 -14.000		
Molybdenum	Mo %	2.000 - 2.500		
Nitrogen	N %	0.110 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 490 - 690 Yield Strength in Mpa 205 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
316L	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4404	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4404	EN	European Union	Rod, Bars, Wire and Forging
316 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 316L	JIS	Japan	Hot Rolled Equal Leg Angles
03CH17N14M3	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
ASTM A 351 CF3M	ASTM	USA	Casting

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