

Material: BS 10216-5 EN 1.4981

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless 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 - 0.100	Solution Annealing	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	15.500 - 17.500		
Nickel	Ni %	15.500 - 17.500		
Molybdenum	Mo %	1.600 - 2.000		
Niobium	Nb %	10*C - 1.200		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 530 - 690 Yield Strength in Mpa 215 min. Elongation in % 22 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
1.4981	EN	European Union	Steel and Tube
1.4981	DIN	Germany	Steel and Tube
X8CrNiMoNb16 16	EN	European Union	Steel and Tube
X8CrNiMoNb16 16	DIN	Germany	Steel and Tube
1.4981	UNI	Italy	Steel
1.4981	ONORM	Austria	Steel
1.4981	AFNOR NF	France	Steel

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