

Material: UNI 16 Mo 3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: UNI 16 Mo 3 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 - 0.200	Normalizing Forming	
Silicon	Si %	0.350 max.		
Manganese	Mn %	0.400 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.250 - 0.350		
Nickel	Ni %	0.300 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 410 - 600 Yield Strength in Mpa 210 min. Elongation in % 19 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 25 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.5415	EN	European Union	Tube
16 Mo 3	AFNOR NF	France	Steel and Tube
16 Mo 3	BS	British	Steel and Tube
16 Mo 3	DIN	Germany	Steel and Tube
16 Mo 3	ISO	International	Steel, Forging, Rolling and Bar
16 Mo 3	NBN	Belgium	Steel and Tube
16 Mo 3	STAS	Romania	Steel and Plates

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