

Material: ISO 16 Mo 3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ISO 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, Forging, Rolling and Bar

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 %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.250 - 0.350		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	410 - 600
-	-	-	Yield Strength in Mpa	210 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

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	NBN	Belgium	Steel and Tube
16 Mo 3	STAS	Romania	Steel and Plates
16 Mo 3	UNI	Italy	Steel and Tube

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