

Material: DIN 16 Mo 3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 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		
Carbon	C %	0.120 - 0.200
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.
Aluminium	Al %	0.050 max.
Copper	Cu %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing Forming

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	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	ISO	International	Steel, Forging, Rolling and Bar
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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