



## 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	Normalising 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		
-	-	-	<b>Mechanical Properties</b> 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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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