



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 16 Mo 3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS 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		
-	-	-	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	
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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	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
16 Mo 3	UNI	Italy	Steel and Tube

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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