

Material: BS 10216-2 EN 1.5415

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 10216-2 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 %	0.025 max.																
Sulphur	S %	0.020 max.																
Chromium	Cr %	0.300 max.																
Nickel	Ni %	0.300 max.																
Molybdenum	Mo %	0.250 - 0.350																
Aluminium	Al %	0.040 max.																
Copper	Cu %	0.300 max.																
Iron	Fe %	Balance	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>450 - 600</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>280 min.</td> </tr> <tr> <td>Elongation in %</td> <td>20 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>27 min. @ RT</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	450 - 600	Yield Strength in Mpa	280 min.	Elongation in %	20 min.	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	27 min. @ RT
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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 Plate
16 Mo 3	UNI	Italy	Steel and Tube

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