

Material: BS 150 M 19

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 150 M 19 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 %	0.150 - 0.230	Normalizing Forming	
Manganese	Mn %	1.300 - 1.700		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	510 - 850
-	-	-	Yield Strength in Mpa	295 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	146 - 255
-	-	-	Impact in Joule	35 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.0471	EN	European Union	Steel and Tube
1.0471	DIN	Germany	Steel and Tube
1.0471	DIN	Germany	Steel and Tube
1522	AISI	USA	Forging, Rolling, Bar and Tube
G15220	UNS	USA	Forging, Rolling, Bar and Tube
SMn21	JIS	Japan	Forging and Rolling
21MnSi5	DIN	Germany	Steel and Tube

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Customer Care: +91-99090 45075 Email: info@icastllp.com