



Material - BS 10216-5 EN 1.4910

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10216-5 Seamless Steel Tubes for Pressure Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 max.	Solution Annealing	
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	16.000 - 18.000		
Nickel	Ni %	12.000 - 14.000		
Molybdenum	Mo %	2.000 - 3.000		
Nitrogen	N %	0.100 - 0.180		
Boron	B %	0.0015 - 0.0050		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 550 - 750 Yield Strength in Mpa 260 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 80 min. @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.491	EN	European Union	Steel and Flat
1.491	DIN	Germany	Steel and Flat
X3CrNiMoBN17-13-3	EN	European Union	Steel
1.491	BS	British	Steel
1.491	UNI	Italy	Steel
1.491	ONORM	Austria	Steel
1.491	AFNOR NF	France	Steel

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

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