Material - EN X 3 CrNiMoBN 17-13-3

Standard Specification for Seemless Steel Tubes for Pressure Purposes
Group - Ferrous Stainless Steel Alloys
Sub Group - EN X 3 CrNiMoBN 17-13-3 Seemless Steel Tubes for Pressure Purposes
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.040 max.
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
Molybdenum	Mo %	2.000 - 3.000
Nickel	Ni %	12.000 - 14.000
Boron	B %	0.0015 - 0.0050
Nitrogen	N %	0.100 - 0.180
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 780
Yield Strength in Mpa	260 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4910	BS	British	Tube
1.491	DIN	Germany	Steel and Flat
1.491	EN	European Union	Steel and Flat
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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