



Material - BS 10216-5 EN 1.4547

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 %	0.020 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	19.500 - 20.500		
Nickel	Ni %	17.500 - 18.500		
Molybdenum	Mo %	6.000 - 7.000		
Nitrogen	N %	0.180 - 0.250		
Copper	Cu %	0.500 - 1.000		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 650 - 850 Yield Strength in Mpa 300 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ -196°C	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4547	EN	European Union	Steel, Bar and Rod
1.4547	DIN	Germany	Steel, Bar and Rod
X1CrNiMoCuN20-18-7	AFNOR NF	France	Steel, Bar and Rod
X1CrNiMoCuN20-18-7	UNI	Italy	Steel, Sheet, Strip and Plate
X1CrNiMoCuN20-18-7	DIN	Germany	Steel, Sheet, Strip and Plate
1.4547	ONORM	Austria	Steel, Bar and Rod
1.4547	AFNOR NF	France	Steel, Bar and Rod

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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