



## Material - BS 10216-5 EN 1.4982

### 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 %	0.060 - 0.150	Solution Annealing	
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	5.500 - 7.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	14.000 - 16.000		
Nickel	Ni %	9.000 - 11.000		
Molybdenum	Mo %	0.800 - 1.200		
Niobium	Nb %	0.750 - 1.250		
Vanadium	V %	0.150 - 0.400		
Boron	B %	0.003 - 0.009		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	540 - 740
			Yield Strength in Mpa	220 min.
			Elongation in %	30 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	60 min. @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4982	EN	European Union	Steel
1.4982	DIN	Germany	Steel
X10CrNiMoMnNbVB15-10-1	EN	European Union	Steel and Tube
1.4982	BS	British	Steel
1.4982	UNI	Italy	Steel
1.4982	ONORM	Austria	Steel
1.4982	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](mailto:marketing@gravitycastindia.com)**

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