



Material - BS 10216-5 EN X2NiCrAlTi32-20

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 %	0.030 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	20.000 - 23.000		
Nickel	Ni %	32.000 - 35.000		
Titanium	Ti %	8*(C+N) - 0.600		
Aluminium	Al %	0.150 - 0.450		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 - 700 Yield Strength in Mpa 180 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ -196°C	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4558	BS	British	Steel, Rolling and Forging
1.4558	DIN	Germany	Steel, Rolling and Forging
X2NiCrAlTi32-20	DIN	Germany	Steel, Rolling and Forging
NCF 800 TB	JIS	Japan	Steel and Tube
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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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