



Material - DIN X 8 NiCrAlTi 32 21

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN X 8 NiCrAlTi 32 21 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.100	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	19.000 - 22.000		
Nickel	Ni %	30.000 - 34.000		
Titanium	Ti %	0.250 - 0.650		
Ni + Co	Ni% + Co%	30.000 - 34.000		
Aluminium	Al %	0.250 - 0.650		
Copper	Cu %	0.500 max.	Mechanical Properties Tensile Strength in Mpa 500 - 750 Yield Strength in Mpa 170 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 80 J @ RT	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4959	EN	European Union	Tube
1.4959	DIN	Germany	Steel
1.4959	EN	European Union	Tube
1.4958	DIN	Germany	Steel
1.4958	EN	European Union	Steel
X5NiCrAlTi31 20	DIN	Germany	Steel and Flat
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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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