

Material - DIN X 5 NiCrAlTi 31 20

Standard Specification for Seemless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN X 5 NiCrAlTi 31 20 Seemless Steel Tubes for Pressure Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Flat

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 - 0.080	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	Р%	0.015 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	19.000 - 22.000		
Nickel	Ni %	30.000 - 32.500		
Titanium	Ti %	0.200 - 0.500		
Niobium	Nb %	0.100 max.	Mechanical Properties	
Ni + Co	Ni% + Co%	30.000 - 32.500	Tensile Strength in Mpa	500 - 750
Aluminium	Al %	0.200 - 0.500	Yield Strength in Mpa	170 min.
Al + Ti	Al% + Ti%	0.700 max.	Elongation in %	30 min.
Cobalt	Co %	0.500 max.	Reduction of Area in %	-
Copper	Cu %	0.500 max.	Hardn <mark>ess in BH</mark> N	-
Iron	Fe %	Balance	Impac <mark>t in Joule</mark>	80 J @ RT

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
10216-5 EN 1.4958(+RA)	BS	British	Tube		
1.4958	DIN	Germany	Steel		
1.4958	EN	European Union	Steel		
X5NiCrAlTi31 20	EN	European Union	Steel and Flat		
X5NiCrAlTi31 20	DIN	Germany	Steel and Flat		
1.4959	EN	European Union	Steel		
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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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