

Material: JIS NCF 800 TB

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: JIS NCF 800 TB Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Tube

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	19.000 - 23.000
Nickel	Ni %	30.000 - 35.000
Titanium	Ti %	0.150 - 0.600
Aluminium	Al %	0.150 - 0.600
Copper	Cu %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	520 min.
Yield Strength in Mpa	205 min.
Elongation in %	21 min.
Reduction of Area in %	-
Hardness in HRB	95 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4558	BS	British	Tube
1.4558	DIN	Germany	Steel, Rolling and Forging
1.4558	EN	European Union	Steel, Rolling and Forging
X2NiCrAlTi32-20	DIN	Germany	Steel, Rolling and Forging
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India