



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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			Heat Treatment	
Carbon	C %	0.100 max.	Solution Annealing	
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	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 -	
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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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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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