GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A269 TP321

Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service

Group - Ferrous Stainless Steel Alloys
Sub Group - ASTM A269 TP321 Seamless and Welded Austenitic Stainless Steel Tubing for General Service
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Steel and Tubing

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	9.000 - 12.000
Chromium	Cr %	17.000 - 19.000
Titanium	Ti %	0.005 - 0.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17458 1.4550	DIN	Germany	Steel and Tubing
17458 X 6 CrNiNb 18 10	DIN	Germany	Steel and Tubing
10222-5 1.4550	EN	European Union	Steel and Forging
10222-5 X 6 CrNiNb 18 10	EN	European Union	Steel and Forging
SA-213 Grade TP 321	ASME	USA	Steel and Tubing
A 409 TP321	ASTM	USA	Steel and Pipe
A 403 WP 321	ASTM	USA	Steel and Pipe

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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