GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A269 TP316LN

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A269 TP316LN 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 %	0.035 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	10.000 - 13.000
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
Nitrogen	N %	0.100 - 0.160
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**
S31653	UNS	USA	Steel and Pipe
J 405 316LN	SAE	USA	Steel
SA-182 F316LN	ASME	USA	Pipe and Forging
A 959 Type 316LN	ASTM	USA	Steel
A 943 TP316LN	ASTM	USA	Steel and Pipe
A 988 S31653	ASTM	USA	Steel
A 479 316LN	ASTM	USA	Steel and Bars

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.