GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-403 WP316LN

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-403 WP316LN Wrought Austenitic Stainless Steel Piping Fittings

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.030 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	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J 405 316N	SAE	USA	Steel
D 3698 STS 316N	KS	Korea	Plate, Sheet and Strip
G 4305 SUS 316N	JIS	Japan	Plate, Sheet and Strip
G 3214 SUS F 316N	JIS	Japan	Steel and Forging
SA-276 316N	ASME	USA	Steel, Bar and Shapes
A 213 TP316N	ASTM	USA	Steel and Tubing
A 249 TP316N	ASTM	USA	Steel and Tubing

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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