GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A409 TP309S

Standard Specification for Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A409 TP309S Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service

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

Grade Belongs to the Industry - Bars, Plate, Sheet, Strip, Pipe and Rods

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 %	12.000 - 15.000
Chromium	Cr %	22.000 - 24.000
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 HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30908	UNS	USA	Steel and Tubing
J 405 30309S	SAE	USA	Steel
G 4311 SUS 309S	JIS	Japan	Bars, Wire and Rods
SEW 470 1.4833	DIN	Germany	Steel
SA-358 309S	ASME	USA	Steel and Pipe
A 580 Type 309S	ASTM	USA	Steel and Wire
A 511 MT309S	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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