GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A473 Type 309S

Standard Specification for Stainless Steel Forgings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A473 Type 309S Stainless Steel Forgings

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

Grade Belongs to the Industry - Forging

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.
Chromium	Cr %	22.000 - 24.000
Nickel	Ni %	12.000 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	40 min.
Reduction of Area in %	50 min.
Hardness in HRC	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30908	UNS	USA	Steel
J 405 30309S	SAE	USA	Steel
J 405 309S	SAE	USA	Steel
D 3698 STS 309S	KS	Korea	Plate, Sheet and Strip
G 4311 SUS 309S	JIS	Japan	Steel and Bars
A 167 Type 309S	ASTM	USA	Plate, Sheet and Strip
A 240 Type 309S	ASTM	USA	Plate, Sheet and Strip

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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