GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6911 301 (X 10Cr17Ni7)

Standard Specification for Stainless Steel Plate, Sheet and Strip Specification

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6911 301 (X 10Cr17Ni7) Stainless Steel Plate, Sheet and Strip Specification

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Nickel	Ni %	6.000 - 8.000
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	0.700 max.
Sulphur	S %	0.030 max.
Phosphorus	P %	0.045 max.
Titanium	Ti %	0.100 max.
Niobium	Nb %	0.200 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	590 min.
Yield Strength in Mpa	220 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	212 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
AMS 5519 301	AISI	USA	Steel
1449 301	AS	Australia	Plate, Sheet and Strip
J 405 301	SAE	USA	Steel
D 3698 STS 301	KS	Korea	Plate, Sheet and Strip
G 4305 SUS 301	JIS	Japan	Plate, Sheet and Strip
A 167 Type 301	ASTM	USA	Plate, Sheet and Strip
A 240 Type 301	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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