GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS301J1

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS301J1 Cold-Rolled Stainless Steel Sheet and Strip

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

Grade Belongs to the Industry - Sheet and Strip

Chemical Composition		
Carbon	C %	0.080 - 0.120
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Nickel	Ni %	7.000 - 9.000
Chromium	Cr %	16.000 - 18.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	570 min.
Yield Strength in Mpa	205 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in HB	187 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SEW 400 1.4310	DIN	Germany	Steel and Forging
17225 1.4310	DIN	Germany	Steel
17224 1.4310	DIN	Germany	Wire and Strip
G 4305 SUS 301J1	JIS	Japan	Plate, Sheet and Strip
G 4304 SUS 301J1	JIS	Japan	Plate, Sheet and Strip
A 959 Type 301	ASTM	USA	Steel
A 554 MT 301	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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