GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS304J2

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS304J2 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 max.
Silicon	Si %	1.700 max.
Manganese	Mn %	3.000 - 5.000
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Nickel	Ni %	6.000 - 9.000
Chromium	Cr %	15.000 - 18.000
Copper	Cu %	1.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	155 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	187 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4304 SUS 304 J2	JIS	Japan	Plate, Sheet and Strip
G 4305 SUS 304 J2	JIS	Japan	Plate, Sheet and Strip
G 4304 SUS 304 J1	JIS	Japan	Plate, Sheet and Strip
G 4305 SUS 304 J1	JIS	Japan	Plate, Sheet and Strip
D 3698 STS 304J1	KS	Korea	Plate, Sheet and Strip
SAE AMS 5519 301	AISI	USA	Steel
AMS 5517 30301	SAE	USA	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.