GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS420J1

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS420J1 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 %	0.160 - 0.250
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	12.000 - 14.000
Nickel	Ni %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	520 min.
Yield Strength in Mpa	225 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	223 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
D 3703 STS 420J1	KS	Korea	Steel and Wire
D 3702 STS 420J1	KS	Korea	Steel and Wire Rods
G 4308 SUS 420 J1	JIS	Japan	Steel and Wire Rods
G 4309 SUS 420 J1	JIS	Japan	Steel and Wire
G 4318 SUS 420 J1	JIS	Japan	Steel and Bars
G 4319 SUS 420J 1FB	JIS	Japan	Steel and Forging
1449 420	AS	Australia	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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