GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS444

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS444 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 %	0.025 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 20.000
Molybdenum	Mo %	1.750 - 2.500
Nitrogen	N %	0.025 max.
Ti + Nb + Zr	Ti% + Nb% + Zr %	0.016 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	410 min.
Yield Strength in Mpa	245 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	217 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1449 444	AS	Australia	Plate, Sheet and Strip
J 405 444	SAE	USA	Steel
J 2515 444	SAE	USA	Steel
A 213 444	ASTM	USA	Steel and Tubing
A 276 S44400	ASTM	USA	Bars and Shapes
G 4317 SUS 444	JIS	Japan	Steel
G 4305 SUS 444	JIS	Japan	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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