GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS316HN

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS316HN 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Nickel	Ni %	8.000 - 11.000
Chromium	Cr %	19.500 - 22.000
Molybdenum	Mo %	0.500 - 1.500
Copper	Cu %	1.000 max.
Nitrogen	N %	0.140 - 0.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	635 min.
Yield Strength in Mpa	310 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	238 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30883	UNS	USA	Steel and Bars
S30888	UNS	USA	Steel
J 405 304L	SAE	USA	Steel
J 2515 304L	SAE	USA	Steel
AMS-QQ-S-763 304	SAE	USA	Bars, Wire, Shapes and Forging
10263-5 1.4301	EN	European Union	Steel, Rod, Bars and Wire
10263-5 X 5 CrNi 18 10	EN	European Union	Steel, Rod, Bars and Wire

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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