GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4618 (X9CrMnNiCu17-8-5-2)

Standard Specification for Sheet/Plate and Strip of Corrosion Resisting Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-2 1.4618 (X9CrMnNiCu17-8-5-2) Sheet/Plate and Strip of Corrosion Resisting Steels for General Purposes

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	5.500 - 9.500
Phosphorus	P %	0.070 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	16.500 - 18.500
Nickel	Ni %	4.500 - 5.500
Nitrogen	N %	0.150 max.
Copper	Cu %	1.000 - 2.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	540 - 850
Proof Strength in Mpa	250 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 240 Type 201LN	ASTM	USA	Plate, Sheet and Strip
A 959 Type 201LN	ASTM	USA	Steel
SA-240 201LN	ASME	USA	Plate, Sheet and Strip
1449-2 284 S 16	B.S.	United kingdom	Plate, Sheet and Strip
SAE AMS-QQ-S-763 202	AISI	USA	Steel
683-13 A-3	ISO	International	Steel
G 4305 SUS 202	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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