GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4315 (X5CrNiN19-9)

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 1.4315 (X5CrNiN19-9) 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 %	0.060 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	8.000 - 11.000
Nitrogen	N %	0.120 - 0.220
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 750
Proof Strength in Mpa	320 min.
Elongation in %	40 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**
10028-7 1.4315	EN	European Union	Steel
10028-7 X 5 CrNiN 19 9	EN	European Union	Steel
SEW 400 1.4315	DIN	Germany	Steel and Forging
SEW 400 X 5 CrNiN 19-9	DIN	Germany	Steel and Forging
J 405 302	SAE	USA	Steel
A 167 Type 304	ASTM	USA	Plate, Sheet and Strip
A 49-244 X6CrNiN19-9	AFNOR NF	France	Steel and Tubing

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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