GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4434 (X2CrNiMoN18-12-4)

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 1.4434 (X2CrNiMoN18-12-4) 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.500 - 19.500
Molybdenum	Mo %	3.000 - 4.000
Nickel	Ni %	10.500 - 14.000
Nitrogen	N %	0.100 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	570 - 770
Proof Strength in Mpa	320 min.
Elongation in %	35 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 1.4434	EN	European Union	Steel
10088-1 1.4434	EN	European Union	Steel
EN 10088-2 X 2 CrNiMoN 18-12-4	DIN	Germany	Steel
EN 10088-2 1.4434	DIN	Germany	Steel
EN 10028-7 1.4434	DIN	Germany	Steel
EN 10088-1 1.4434	DIN	Germany	Steel
EN 10088-1 X2CrNiMoN18-12-4	AFNOR NF	France	Steel

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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