GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4655 (X2CrNiCuN23-4)

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 1.4655 (X2CrNiCuN23-4) 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 %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	22.000 - 24.000
Molybdenum	Mo %	0.100 - 0.600
Nickel	Ni %	3.500 - 5.500
Nitrogen	N %	0.050 - 0.200
Copper	Cu %	1.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	600 - 850
Proof Strength in Mpa	420 min.
Elongation in %	20 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**
49-244 X3CrNiN23-4	AFNOR NF	France	Steel
49-244 Z 3 CN 23-04 AZ	AFNOR NF	France	Steel
36-209 Z 3 CN 23-04 AZ	AFNOR NF	France	Steel
35-573 Z 3 CN 23-04 AZ	AFNOR NF	France	Steel
35-574 Z 3 CNU 23-04 Az	AFNOR NF	France	Steel and Bars
EN 10088-2 X 2 CrNiN 23-4	UNI	Italy	Steel and Casting
EN 10088-3 X2CrNiN23-4	DIN	Germany	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.