GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4652 (X1CrNiMoCuN24-22-8)

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 1.4652 (X1CrNiMoCuN24-22-8) 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 %	0.020 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	2.000 - 4.000
Phosphorus	P %	0.030 max.
Sulphur	S %	0.005 max.
Chromium	Cr %	23.000 - 25.000
Molybdenum	Mo %	7.000 - 8.000
Nickel	Ni %	21.000 - 23.000
Nitrogen	N %	0.450 - 0.550
Copper	Cu %	0.300 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	750 - 1000
Proof Strength in Mpa	470 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**
S32654	UNS	USA	Steel
A 688 S32654	ASTM	USA	Steel and Tubing
A 959 S32654	ASTM	USA	Steel
A 988 S32654	ASTM	USA	Steel
SA-240 UNS S32654	ASME	USA	Plate, Sheet and Strip
SA-249 UNS S32654	ASME	USA	Steel and Tubing
SA-312 UNS S32654	ASME	USA	Steel and Pipe

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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