GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4374 (X8CrMnNiN18-9-5)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4374 (X8CrMnNiN18-9-5) Stainless Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.050 - 0.100
Silicon	Si %	0.300 - 0.600
Manganese	Mn %	9.000 - 10.000
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.500 - 18.500
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	5.000 - 6.000
Nitrogen	N %	0.250 - 0.320
Copper	Cu %	0.400 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 X 12 CrMnNiN 18-9-5	UNI	Italy	Steel and Casting
EN 10088-1 X12CrMnNiN18-9-5	AFNOR NF	France	Steel
EN 10088-1 X12CrMnNiN18-9-5	DIN	Germany	Steel
EN 10088-2 X12CrMnNiN18-9-5	DIN	Germany	Steel
10088-1 X 12 CrMnNiN 18 9 5	EN	European Union	Steel
10088-2 X 12 CrMnNiN 18 9 5	EN	European Union	Steel
10088-2 1.4373	EN	European Union	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.