GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-5 1.4372 (X12CrMnNiN17-7-5)

Standard Specification for Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-5 1.4372 (X12CrMnNiN17-7-5) Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction Purposes

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

Grade Belongs to the Industry - Bars, Rods and Wire

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	5.500 - 7.500
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.050 - 0.250
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	3.500 - 5.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	750 - 950
Proof Strength in Mpa	370 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HBW	260 max.
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-1 X2CrMnNiN17-7-5	AFNOR NF	France	Steel
EN 10088-1 X12CrMnNiN17-7-5	AFNOR NF	France	Steel
EN 10088-2 X 12 CrMnNiN 17-7-5	UNI	Italy	Steel and Casting
EN 10088-1 X2CrMnNiN17-7-5	DIN	Germany	Steel
EN 10088-2 X2CrMnNiN17-7-5	DIN	Germany	Steel
10088-2 X 12 CrMnNiN 17 7 5	EN	European Union	Steel
10088-3 X 12 CrMnNiN 17 7 5	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

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