GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10272 X2CrNi12 I 1.4003

Standard Specification for Stainless Steel Bars for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10272 X2CrNi12 I 1.4003 Stainless Steel Bars for Pressure Purposes

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

Grade Belongs to the Industry - Bars

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	10.500 - 12.500
Nickel	Ni %	0.300 - 1.000
Nitrogen	N %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 - 600
Proof Strength in Mpa	260 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	200 max.
Impact in Joule	60 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X2CrNi12	AFNOR NF	France	Steel
EN 10088-2 X2CrNi12	AFNOR NF	France	Steel
EN 10088-2 X 2CrNi 12	UNI	Italy	Casting
SEW 400 X 2 CrNi 12	DIN	Germany	Steel
EN 10028-7 1.4003	DIN	Germany	Steel
10028-7 1.4003	EN	European Union	Steel
10088-3 X 2 CrNi 12	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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