GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10272 X2CrMnNiN21-5-1 I 1.4462

Standard Specification for Stainless Steel Bars for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10272 X2CrMnNiN21-5-1 I 1.4462 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 %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.100 - 0.220
Chromium	Cr %	21.000 - 23.000
Molybdenum	Mo %	2.500 - 3.500
Nickel	Ni %	4.500 - 6.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 - 880
Proof Strength in Mpa	450 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HBW	270 max.
Impact in Joule	40 @ -40˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1501-3 318 S 13	B.S.	United Kingdom	Steel and Plates
G 4305 SUS 329J 3L	JIS	Japan	Plate, Sheet and Strip
14325	NS	Norway	Steel
142377 2377	SS	Sweden	Casting
EN 10088-3 1.4462	DIN	Germany	Steel
EN 10088-2 1.4462	DIN	Germany	Steel
10250-4 1.4462	EN	European Union	Steel and Forging

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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