GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10272 X2CrNiMoN17-13-5 I 1.4439

Standard Specification for Stainless Steel Bars for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10272 X2CrNiMoN17-13-5 I 1.4439 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 %	0.045 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.120 - 0.220
Chromium	Cr %	16.500 - 18.500
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	12.500 - 14.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	580 - 800
Proof Strength in Mpa	315 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HBW	250 max.
Impact in Joule	60 @ -196˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X2CrNiMoN17-13-5	AFNOR NF	France	Steel
EN 10088-1 X2CrNiMoN17-13-5	AFNOR NF	France	Steel
36016-1 X 2 CrNiMoN 17 13	UNE	Spain	Steel
36087-4 F.3544	UNE	Spain	Plate, Sheets and Strip
M 3121 X 2 CrNiMoN 17 13 5 KW	ONORM	Australia	Steel
9328-5 X 2 CrNiMoN 17 13 5	ISO	International	Plate and Strip
EN 10028-7 X 2 CrNiMoN 17 13 5	DIN	Germany	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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