GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10272 X2CrNiMo18-14-3 I 1.4435

Standard Specification for Stainless Steel Bars for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10272 X2CrNiMo18-14-3 I 1.4435 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 %	0.100 max.
Chromium	Cr %	17.000 - 19.000
Molybdenum	Mo %	2.500 - 3.000
Nickel	Ni %	12.500 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 700
Proof Strength in Mpa	235 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HBW	215 max.
Impact in Joule	60 @ -196˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-1 X2CrNiMo18-14-3	AFNOR NF	France	Steel
4360 KO 38 LC	MSZ	Hungary	Steel
EN 10088-2 X 2 CrNiMo 18-14-3	UNI	Italy	Casting
3606 316 S 13	B.S.	United Kingdom	Steel and Tubing
EN 10028-7 1.4435	DIN	Germany	Steel
EN 10028-7 X 2 CrNiMo 18 14 3	DIN	Germany	Steel
10028-7 1.4435	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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