GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10272 X2CrNiMoCuN25-6-3 I 1.4507

Standard Specification for Stainless Steel Bars for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10272 X2CrNiMoCuN25-6-3 I 1.4507 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 %	0.700 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.200 - 0.300
Chromium	Cr %	24.000 - 26.000
Copper	Cu %	1.000 - 2.500
Molybdenum	Mo %	3.000 - 4.000
Nickel	Ni %	6.000 - 8.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	700 - 900
Proof Strength in Mpa	500 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**
EN 10088-3 X2CrNiMoCuN25-6-3	AFNOR NF	France	Steel
EN 10088-2 X2CrNiMoCuN25-6-3	AFNOR NF	France	Steel
EN 10088-2 CrNiMoCuN 25-6-3	UNI	Italy	Casting
EN 10088-2 1.4507	DIN	Germany	Steel
EN 10088-2 X2CrNiMoCuN25-6-3	DIN	Germany	Steel
10250-4 X 2 CrNiMoCuN 25 6 3	EN	European Union	Steel and Forging
10250-4 1.4507	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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