GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4482 (X2CrMnNiMoN21-5-3)

Standard Specification for Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-3 1.4482 (X2CrMnNiMoN21-5-3) Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

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

Grade Belongs to the Industry - Bars, Rods and Wire

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	4.000 - 6.000
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	19.500 - 21.500
Nickel	Ni %	1.500 - 3.500
Molybdenum	Mo %	0.100 - 0.600
Nitrogen	N %	0.050 - 0.200
Copper	Cu %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	650 - 900
Proof Strength in Mpa	400 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	60 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10088-1 1.4482	EN	European Union	Steel
10088-1 X2CrMnNiMoN21-5-3	EN	European Union	Steel
10088-2 1.4482	EN	European Union	Steel
10088-2 X2CrMnNiMoN21–5-3	EN	European Union	Steel
SA-240 S32001	ASME	USA	Plate, Sheet and Strip
SA-789 S32001	ASME	USA	Steel and Tubing
A 789 S32001	ASTM	USA	Steel and Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.