GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4621 (X2CrNbCu21)

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 1.4621 (X2CrNbCu21) 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 %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	20.000 - 21.500
Nitrogen	N %	0.030 max.
Copper	Cu %	0.100 - 1.000
Niobium	Nb %	0.114 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	420 - 640
Proof Strength in Mpa	240 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	200 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10088-1 1.4621	EN	European Union	Steel
10088-1 X2CrNbCu21	EN	European Union	Steel
10088-2 1.4621	EN	European Union	Steel
10088-2 X2CrNbCu21	EN	European Union	Steel
A 240 S44500	ASTM	USA	Plate, Sheet and Strip
A 959 S44500	ASTM	USA	Steel
S44500	UNS	USA	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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