GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4335 (X1CrNi25-21)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4335 (X1CrNi25-21) Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.020 max.
Silicon	Si %	0.250 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.100 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	0.200 max.
Nickel	Ni %	20.000 - 22.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	470 - 670
Proof Strength in Mpa	210 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 X 1 CrNi 25-21	UNI	Italy	Steel and Casting
EN 10088-1 X1CrNi25-21	AFNOR NF	France	Steel
SEW 400 X 1 CrNi 25 21	DIN	Germany	Steel
EN 10088-1 X 1 CrNi 25 21	DIN	Germany	Steel
EN 10088-2 X 1 CrNi 25 21	DIN	Germany	Steel
10088-2 X 1 CrNi 25 21	EN	European Union	Steel
10088-1 X 1 CrNi 25 21	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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