GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4466 (X1CrNiMoN25-22-2)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4466 (X1CrNiMoN25-22-2) 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 %	0.700 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.100 - 0.160
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	21.000 - 23.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	540 - 740
Proof Strength in Mpa	295 min.
Elongation in %	40 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 CrNiMoN 25-22-2	UNI	Italy	Steel and Casting
EN 10088-1 X1CrNiMoN25-22-2	AFNOR NF	France	Steel
EN 10088-2 X1CrNiMoN25-22-2	DIN	Germany	Steel
EN 10088-1 X1CrNiMoN25-22-2	DIN	Germany	Steel
EN 10088-2 1.4466	DIN	Germany	Steel
10028-7 X 1 CrNiMoN 25 22 2	EN	European Union	Steel
10028-7 1.4466	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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