GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X1CrNiMoCuN25-25-5 I 1.4537

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X1CrNiMoCuN25-25-5 I 1.4537 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.020 max.
Silicon	Si %	0.700 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.170 - 0.250
Chromium	Cr %	24.000 - 26.000
Copper	Cu %	1.000 - 2.000
Molybdenum	Mo %	4.700 - 5.700
Nickel	Ni %	24.000 - 27.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 - 800
Proof Strength in Mpa	330 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 1.4537	DIN	Germany	Steel
EN 10088-1 1.4537	DIN	Germany	Steel
EN 10028-7 1.4537	DIN	Germany	Steel
EN 10088-3 1.4537	DIN	Germany	Steel
10088-2 1.4537	EN	European Union	Steel
10088-1 1.4537	EN	European Union	Steel
10088-3 1.4537	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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