GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4658 (X2CrNiMoCoN28-8-5-1)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4658 (X2CrNiMoCoN28-8-5-1) Stainless Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	26.000 - 29.000
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	5.500 - 9.500
Nitrogen	N %	0.300 - 0.500
Copper	Cu %	1.000 max.
Cobalt	Co %	0.500 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10088-1 1.4658	EN	European Union	Steel
10088-1 X2CrNiMoCoN28-8-5-1	EN	European Union	Steel
17445 1.4469	DIN	Germany	Steel and Casting
EN 10213-4 1.4469	DIN	Germany	Steel and Casting
10213-4 GX 2 CrNiMoN 26 7 4	EN	European Union	Steel and Casting
10283 GX 2 CrNiMoN 26 7 4	EN	European Union	Steel and Casting
10283 1.4469	EN	European Union	Steel and Casting

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.