GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X1NiCrMoCuN25-20-7 (4529-089-26-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X1NiCrMoCuN25-20-7 (4529-089-26-I) Stainless Steels for General 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 %	0.750 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	19.000 - 21.000
Molybdenum	Mo %	6.000 - 7.000
Nickel	Ni %	24.000 - 26.000
Nitrogen	N %	0.150 - 0.250
Copper	Cu %	0.500 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 - 850
Proof Strength in Mpa	340 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	100 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 X 1 NiCrMoCuN 25-20-7	UNI	Italy	Steel and Casting
EN 10088-1 X1NiCrMoCuN25-20-7	AFNOR NF	France	Steel
EN 10088-2 X1NiCrMoCuN25-20-7	AFNOR NF	France	Steel
EN 10088-2 X1NiCrMoCuN25-20-7	DIN	Germany	Steel
EN 10088-2 1.4529	DIN	Germany	Steel
10250-4 X 1 NiCrMoCuN 25 20 7	EN	European Union	Steel and Forging
10250-4 1.4529	EN	European Union	Steel and Forging

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.