GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-2 X1NiCrMoCu25-20-5 (4539-089-04-I)

Standard Specification for Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-2 X1NiCrMoCu25-20-5 (4539-089-04-I) Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

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

Grade Belongs to the Industry - Bars and Rods

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 - 22.000
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	23.500 - 26.000
Nitrogen	N %	0.150 max.
Copper	Cu %	1.200 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	530 - 730
Proof Strength in Mpa	260 min.
Elongation in %	35 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**
A 36-209 Z 2 NCDU 25-20	AFNOR NF	France	Steel
A 35-574 Z 2 NCDU 25-20	AFNOR NF	France	Steel
1501-3 904 S 13	B.S.	United Kingdom	Steel and Plates
SEW 400 X 1NiCrMoCuN 25 20 5	DIN	Germany	Steel and Forging
EN 10088-3 X1NiCrMoCu25-20-5	DIN	Germany	Steel
10250-4 X 1 NiCrMoCu 25 20 5	EN	European Union	Steel and Forging
142562 2562	SS	Sweden	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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