GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-5 1.4539 (X1NiCrMoCu25-20-5)

Standard Specification for Martensitic, Austenitic and Austenitic-Ferritic Stainless Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10222-5 1.4539 (X1NiCrMoCu25-20-5) Martensitic, Austenitic and Austenitic-Ferritic Stainless Steels

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

Grade Belongs to the Industry - Steel and Forging

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.
Chromium	Cr %	19.000 - 21.000
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	24.000 - 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	520 - 720
Proof Strength in Mpa	250 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	120 @ RT

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
EN 10088-3 X 1 NiCrMoCu 25-20-5	UNI	Italy	Steel and Casting
EN 10088-1 X1NiCrMoCu 25-20-5	AFNOR NF	France	Steel
EN 10088-3 X1NiCrMoCu 25-20-5	AFNOR NF	France	Steel
EN 10088-3 X1NiCrMoCu25-20-5	DIN	Germany	Steel
EN 10088-3 1.4539	DIN	Germany	Steel
10250-4 X 1 NiCrMoCu 25 20 5	EN	European Union	Steel and Forging
10250-4 1.4539	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

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