GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-2 X3CrNiMoN27-5-2 (4460-312-00-I)

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

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-2 X3CrNiMoN27-5-2 (4460-312-00-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 %	0.050 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	25.000 - 28.000
Molybdenum	Mo %	1.300 - 2.000
Nickel	Ni %	4.500 - 6.500
Nitrogen	N %	0.050 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Proof Strength in Mpa	450 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	260 max.
Impact in Joule	85 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X 3 CrNiMoN 27-5-2	UNI	Italy	Steel and Casting
EN 10088-1 X3CrNiMoN27-5-2	AFNOR NF	France	Steel
EN 10088-3 X3CrNiMoN27-5-2	AFNOR NF	France	Steel
EN 10088-3 X3CrNiMoN27-5-2	DIN	Germany	Steel
EN 10088-3 1.4460	DIN	Germany	Steel
10250-4 X 3 CrNiMoN 27 5 2	EN	European Union	Steel and Forging
10250-4 1.4460	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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