GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrNiMoN22-5-3 (4462-318-03-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrNiMoN22-5-3 (4462-318-03-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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	21.000 - 23.000
Molybdenum	Mo %	2.500 - 3.500
Nickel	Ni %	4.500 - 6.500
Nitrogen	N %	0.100 - 0.220
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	660 min.
Proof Strength in Mpa	480 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	100 @ RT

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
EN 10213 G X 2 CrNiMoN 22-5-3	UNI	Italy	Steel and Casting
EN 10088-2 X 2 CrNiMoN 22-5-3	UNI	Italy	Steel and Casting
9327-5 X 2 CrNiMoN 22 53	ISO	International	Steel and Bars
EN 10088-1 X2CrNiMoN22-5-3	AFNOR NF	France	Steel
EN 10088-3 X2CrNiMoN22-5-3	AFNOR NF	France	Steel
EN 10088-3 X2CrNiMoN22-5-3	DIN	Germany	Steel
EN 10250-4 X 2 CrNiMoN 22 5 3	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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