GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrNiN22-2 (4062-322-02-U)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrNiN22-2 (4062-322-02-U) 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 %	0.040 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	21.500 - 24.000
Molybdenum	Mo %	0.450 max.
Nickel	Ni %	1.000 - 2.900
Nitrogen	N %	0.160 - 0.280
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	700 - 900
Proof Strength in Mpa	530 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	80 @ RT

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
10088-1 1.4062	EN	European Union	Steel
10088-1 X2CrNiN22-2	EN	European Union	Steel
10088-3 1.4062	EN	European Union	Steel
10088-3 X2CrNiN22-2	EN	European Union	Steel
4357 40CrSi 23	MSZ	Hungary	Casting
4955 X 10 CrAlSi 25	ISO	International	Steel
10088-2 1.4062	EN	European Union	Plate, Sheet and Strip

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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