GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrNiMnMoCuN24-4-3-2 (4662-824-41-X)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrNiMnMoCuN24-4-3-2 (4662-824-41-X) 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 %	0.700 max.
Manganese	Mn %	2.500 - 4.000
Phosphorus	P %	0.035 max.
Sulphur	S %	0.005 max.
Chromium	Cr %	23.000 - 25.000
Molybdenum	Mo %	1.000 - 2.000
Nickel	Ni %	3.000 - 4.500
Nitrogen	N %	0.200 - 0.300
Copper	Cu %	0.100 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	750 - 900
Proof Strength in Mpa	550 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**
9327-5 X 2 CrNiN 234	ISO	International	Bars and Forging
EN 10088-1 X2CrNiN23-4	AFNOR NF	France	Steel
EN 10088-3 X2CrNiN23-4	AFNOR NF	France	Steel
EN 10088-2 X2CrNiN23-4	AFNOR NF	France	Steel
EN 10088-3 X2CrNiN23-4	DIN	Germany	Steel
EN 10088-2 X 2 CrNiN 23-4	UNI	Italy	Steel and Casting
10272 X 2 CrNiN 23 4	EN	European Union	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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