GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-5 1.4311 (X2CrNiN18-10)

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

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10222-5 1.4311 (X2CrNiN18-10) 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.500 - 19.500
Nickel	Ni %	8.500 - 11.500
Nitrogen	N %	0.120 - 0.220
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 750
Proof Strength in Mpa	305 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
M 3121 X 2 CrNiN 18 10 KKW	ONORM	Austria	Steel
EN 10088-2 X 2 CrNiN 18-10	UNI	Italy	Steel and Casting
36016-1 X 2 CrNiN 18 10	UNE	Spain	Steel
9327-5 X 2 CrNiN 18 10	ISO	International	Steel and Bars
EN 10088-1 X2CrNiN18-10	AFNOR NF	France	Steel
1654-5 X 2 CrNiN 18 10	DIN	Germany	Steel
10222-5 X 2 CrNiN 18 10	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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