GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10269 X2CrNi18-9 I 1.4307

Standard Specification for Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10269 X2CrNi18-9 I 1.4307 Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

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 %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.500 - 19.500
Nickel	Ni %	8.000 - 10.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	700 - 850
Proof Strength in Mpa	350 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	80 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 1.4307	DIN	Germany	Steel
EN 10088-3 X 2 CrNi 18-9	DIN	Germany	Steel
EN 10088-2 X 2 CrNi 18-9	UNI	Italy	Casting
EN 10088-1 X2CrNi18-9	AFNOR NF	France	Steel
A 35-574 Z 3 CN 19-09	AFNOR NF	France	Steel and Bars
10222-5 1.4307	EN	European Union	Steel and Forging
10222-5 X 2 CrNi 18 9	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.