GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4637 (X2CrNiMnMoCuN21-3-1-1)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4637 (X2CrNiMnMoCuN21-3-1-1) Stainless Steel

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.015 - 0.030
Silicon	Si %	0.300 - 0.500
Manganese	Mn %	1.050 - 1.300
Phosphorus	P %	0.035 max.
Sulphur	S %	0.050 max.
Chromium	Cr %	19.900 - 20.300
Molybdenum	Mo %	1.150 - 1.300
Nickel	Ni %	2.650 - 3.000
Nitrogen	N %	0.180 - 0.210
Copper	Cu %	0.300 - 0.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6901 X 14 CrNi 19	UNI	Italy	Steel
6900 X 14 CrNi 19	UNI	Italy	Steel
35-579 Z 80 CNS 20-02	AFNOR NF	France	Steel
G 4311 SUH 4	JIS	Japan	Steel and Bars
36022 F.3222	UNE	Spain	Steel
X 80 CrNiSi 20	DIN	Germany	Steel
5776 SZ 5	MSZ	Hungary	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

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.