GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X11CrNiMnN19-8-6 (4369-202-91-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X11CrNiMnN19-8-6 (4369-202-91-I) 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 %	0.070 - 0.150
Silicon	Si %	0.500 - 1.000
Manganese	Mn %	5.000 - 7.500
Phosphorus	P %	0.030 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.500 - 19.500
Nickel	Ni %	6.500 - 8.500
Nitrogen	N %	0.200 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	750 - 950
Proof Strength in Mpa	370 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 81-343 Z 18.8 Mn	AFNOR NF	France	Steel
X 12 CrNiMn 18 8 8	DIN	Germany	Steel
1.3935	DIN	Germany	Steel
EU 88-3 X 3 CrMnNiN 18 8 7	EN	European Union	Steel
EU 141 X 3 CrMnNiN 18 8 7 KT	EN	European Union	Steel
36-209 Z 4 CMN 18-08-07 Az	AFNOR NF	France	Steel
36087-4 F.3545	UNE	Spain	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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