GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X10CrNi18-8 (4310-301-00-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X10CrNi18-8 (4310-301-00-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 %	0.050 - 0.150
Silicon	Si %	2.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	16.000 - 19.000
Molybdenum	Mo %	0.800 max.
Nickel	Ni %	6.000 - 9.500
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 - 800
Proof Strength in Mpa	280 min.
Elongation in %	40 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**
10270-3 1.4310	EN	European Union	Steel and Wire
10088-2 1.4310	EN	European Union	Steel
10088-1 1.4310	EN	European Union	Steel
EN 10088-2 1.4310	DIN	Germany	Steel
EN 10088-3 1.4310	DIN	Germany	Steel
EN 10088-3 X10CrNi18-8	DIN	Germany	Steel
EN 10088-1 X10CrNi18-8	DIN	Germany	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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