GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4306 (X2CrNi19-11)

Standard Specification for Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-3 1.4306 (X2CrNi19-11) Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

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

Grade Belongs to the Industry - Bars, Rods and Wire

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	10.000 - 12.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	460 - 680
Proof Strength in Mpa	215 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in HBW	215 max.
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J 405 304L	SAE	USA	Steel
EN 10088-2 X 2 CrNi 19-11	UNI	Italy	Steel and Casting
EN 10088-1 X2CrNi19-11	AFNOR NF	France	Steel
EN 10088-3 X2CrNi19-11	AFNOR NF	France	Steel
17441 X 2 CrNi 19 11	DIN	Germany	Steel
17441 1.4306	DIN	Germany	Steel
10250-4 X 2 CrNi 19 11	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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