GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-3 X5CrNi18-10 (4301-304-00-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-3 X5CrNi18-10 (4301-304-00-I) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Wire

Chemical Composition		
Carbon	C %	0.070 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.500 - 19.500
Nickel	Ni %	8.000 - 10.500
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	1100 min.
Yield Strength in Mpa	-
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10222-5 1.4301	EN	European Union	Steel and Forging
17441 1.4301	DIN	Germany	Steel
J 2515 304	SAE	USA	Steel
J 405 304	SAE	USA	Steel
EN 10088-2 X 2 CrNi 18-9	UNI	Italy	Steel and Casting
EN 10088-1 X2CrNi18-9	AFNOR NF	France	Steel
A 35-574 Z 3 CN 19-09	AFNOR NF	France	Stel and Bars

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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