GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4650 (X2CrNiCu19-10)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4650 (X2CrNiCu19-10) Stainless Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	18.500 - 20.000
Nickel	Ni %	9.000 - 10.000
Nitrogen	N %	0.080 max.
Copper	Cu %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

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**
10222-5 X 2 CrNiCu 19-10	EN	European Union	Steel and Forging
10222-5 1.4650	EN	European Union	Steel and Forging
AMS-QQ-S-763 304	SAE	USA	Steel, Bars, Wire, Shapes and Forging
AMS-QQ-S-763 304L	SAE	USA	Steel, Bars, Wire, Shapes and Forging
A 36-209 Z 4 CN 19-10	AFNOR NF	France	Steel
AMS-QQ-S-763 304 L	AISI	USA	Steel
SAE AMS 5511 304 L	AISI	USA	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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