GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4640 (X5CrNiCu19-6-2)

Standard Specification for Sheet/Plate and Strip of Corrosion Resisting Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-2 1.4640 (X5CrNiCu19-6-2) Sheet/Plate and Strip of Corrosion Resisting Steels for General Purposes

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.030 - 0.080
Silicon	Si %	0.500 max.
Manganese	Mn %	1.500 - 4.000
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	18.000 - 19.000
Nickel	Ni %	5.500 - 6.900
Nitrogen	N %	0.030 - 0.110
Copper	Cu %	1.300 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	540 - 750
Proof Strength in Mpa	260 min.
Elongation in %	45 min.
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**
10213-2 1.4405	EN	European Union	Steel
10283 1.4405	EN	European Union	Steel
10213-2 GX 4 CrNiMo 16-5-1	EN	European Union	Casting
10213-2 1.4405	DIN	Germany	Casting
17445 1.4405	DIN	Germany	Casting
17445 GX 4 CrNiMo 16-5-1	DIN	Germany	Casting
10213-2 GX4CrNiMo16-5-1	AFNOR NF	France	Casting

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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