GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4630 (X2CrSiTi15)

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 1.4630 (X2CrSiTi15) 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 max.
Silicon	Si %	0.200 - 1.500
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.050 max.
Sulphur	S %	0.050 max.
Chromium	Cr %	13.000 - 16.000
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	0.500 max.
Titanium	Ti %	0.158 - 0.800
Aluminium	Al %	1.500 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	380 - 580
Proof Strength in Mpa	230 min.
Elongation in %	20 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**
S42010	UNS	USA	Steel
A 959 S42010	ASTM	USA	Steel
A 493 S42010	ASTM	USA	Steel, Wire and Wire Rods
A 276 S42010	ASTM	USA	Bars and Shapes
1449 420	AS	Australia	Plate, Sheet and Strip
1503 403 S 17	B.S.	United Kingdom	Steel and Forging
970-1 403 S 17	B.S.	United kingdom	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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