GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-2 1.4031 (X39Cr13)

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 1.4031 (X39Cr13) 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 %	0.360 - 0.420
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	12.500 - 14.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	760 max.
Proof Strength in Mpa	-
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HRB	98 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10088-3 1.4031	EN	European Union	Steel
10088-1 1.4031	EN	European Union	Steel
EN 10088-3 1.4031	DIN	Germany	Steel
EN 10088-2 1.4031	DIN	Germany	Steel
EN 10088-1 1.4031	DIN	Germany	Steel
EN 10088-1 X39Cr13	AFNOR NF	France	Steel
EN 10088-3 X39Cr13	AFNOR NF	France	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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