GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4578 (X3CrNiCuMo17-11-3-2)

Standard Specification for Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-3 1.4578 (X3CrNiCuMo17-11-3-2) Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

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

Grade Belongs to the Industry - Bars, Rods and Wire

Chemical Composition		
Carbon	C %	0.040 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.500 - 17.500
Nickel	Ni %	10.000 - 11.000
Molybdenum	Mo %	2.000 - 2.500
Nitrogen	N %	0.100 max.
Copper	Cu %	3.000 - 3.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 - 650
Proof Strength in Mpa	175 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in HBW	215 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X 3 CrNiCuMo 17-11-3-2	UNI	Italy	Steel and Casting
EN 10088-1 X3CrNiCuMo17-11-3-2	AFNOR NF	France	Steel
EN 10088-2 X3CrNiCuMo17-11-3-2	AFNOR NF	France	Steel
EN 10088-1 X3CrNiCuMo17-11-3-2	DIN	Germany	Steel
EN 10088-1 1.4578	DIN	Germany	Steel
10263-5 X 3 CrNiCuMo 17 11 3 2	EN	European Union	Steel, Rod, Bars and Wire
10263-5 1.4578	EN	European Union	Steel, Rod, Bars and Wire

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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