GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4571 (X6CrNiMoTi17-12-2)

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 1.4571 (X6CrNiMoTi17-12-2) 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 %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	16.500 - 18.500
Nickel	Ni %	10.500 - 13.500
Molybdenum	Mo %	2.000 - 2.500
Titanium	Ti %	0.005 - 0.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 700
Proof Strength in Mpa	235 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HBW	215 max.
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
M 3121 X 6 CrNiMoTi 17 12 2 KKW	ONORM	Austria	Steel
EN 10088-3 X6CrNiMoTi17-12-2	AFNOR NF	France	Steel
EN 10088-1 X6CrNiMoTi17-12-2	AFNOR NF	France	Steel
SEW 400 X 1 CrNiMoTi 18-13-2	DIN	Germany	Steel and Forging
SEW 400 1.4561	DIN	Germany	Steel and Forging
10263-5 1.4571	EN	European Union	Bars, Wire and Rod
10028-7 1.4571	EN	European Union	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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