GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X6CrNiTi12 I 1.4516

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X6CrNiTi12 I 1.4516 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	0.700 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	10.500 - 12.500
Nickel	Ni %	0.500 - 1.500
Titanium	Ti %	0.050 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 - 650
Proof Strength in Mpa	320 min.
Elongation in %	23 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	50 @ RT

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
10088-1 X6CrNiTi12	AFNOR NF	France	Steel
EN 10088-1 X6CrNiTi12	DIN	Germany	Steel
EN 10088-2 X6CrNiTi12	DIN	Germany	Steel
EN 10088-1 1.4516	DIN	Germany	Steel
EN 10088-2 1.4516	DIN	Germany	Steel
10088-2 1.4516	EN	European Union	Steel
10088-1 1.4516	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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