GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X2CrTiNb18 I 1.4509

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X2CrTiNb18 I 1.4509 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.500 - 18.500
Niobium	Nb %	0.303 - 1.000
Titanium	Ti %	0.100 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	430 - 630
Proof Strength in Mpa	250 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-1 X2CrTiNb18	AFNOR NF	France	Steel
A 35-573 Z 3 CTNb 18	AFNOR NF	France	Steel
EN 10028-7 1.4509	DIN	Germany	Steel
EN 10088-1 1.4509	DIN	Germany	Steel
EN 10088-2 1.4509	DIN	Germany	Steel
10088-2 1.4509	EN	European Union	Steel
10088-1 1.4509	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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