GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10095 1.4736 (X3CrAlTi18-2)

Standard Specification for Heat Resisting Steels and Nickel Alloys

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10095-1 1.4736 (X3CrAlTi18-2) Heat Resisting Steels and Nickel Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.040 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.000 - 18.000
Aluminium	Al %	1.700 - 2.100
Titanium	Ti %	0.208 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 650
Proof Strength in Mpa	280 min.
Elongation in %	8.5 min.
Reduction of Area in %	-
Hardness in HB	200 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 X 2 CrAlTi 18-2	UNI	Italy	Steel and Casting
10088-1 X2CrAlTi18-2	AFNOR NF	France	Steel
X 2 CrAlTi 18-2	DIN	Germany	Steel
1.4741	DIN	Germany	Steel
10088-2 X 2 CrAlTi 18 2	EN	European Union	Steel
10088-1 X 3 CrAlTi 18 2	EN	European Union	Steel
10088-1 1.4736	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.