GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-5 1.4523 (X2CrMoTiS18-2)

Standard Specification for Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-5 1.4523 (X2CrMoTiS18-2) Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.150 - 0.350
Chromium	Cr %	17.500 - 19.000
Molybdenum	Mo %	2.000 - 2.500
Titanium	Ti %	0.300 - 0.800
C + N	C% + N%	0.040 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	430 - 600
Proof Strength in Mpa	280 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HBW	200 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X 2 CrMoTiS 18-2	UNI	Italy	Steel and Casting
EN 10088-1 X2CrMoTiS18-2	AFNOR NF	France	Steel
EN 10088-3 X2CrMoTiS18-2	AFNOR NF	France	Steel
EN 10088-1 X2CrMoTiS18-2	DIN	Germany	Steel
EN 10088-3 X2CrMoTiS18-2	DIN	Germany	Steel
10088-1 X 2 CrMoTiS 18 2	EN	European Union	Steel
10088-1 1.4523	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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