GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4418 (X4CrNiMo16-5-1)

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 1.4418 (X4CrNiMo16-5-1) 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 %	0.060 max.
Silicon	Si %	0.700 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	15.000 - 17.000
Nickel	Ni %	4.000 - 6.000
Molybdenum	Mo %	0.800 - 1.500
Nitrogen	N %	0.020 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	900 - 1100
Proof Strength in Mpa	700 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in HBW	320 max.
Impact in Joule	80 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10213-4 G X 4 CrNiMo 16-5-1	UNI	Italy	Steel and Casting
EN 10088-1 X4CrNiMo16-5-1	AFNOR NF	France	Steel
EN 10088-3 X4CrNiMo16-5-1	AFNOR NF	France	Steel
EN 10088-3 X4CrNiMo16-5-1	DIN	Germany	Steel
EN 10088-2 X4CrNiMo16-5-1	DIN	Germany	Steel
10250-4 X 4 CrNiMo 16 5 1	EN	European Union	Steel
10088-1 X 4 CrNiMo 16 5 1	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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