GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10250-4 1.4313 (X3CrNiMo13-4)

Standard Specification for Open Die Steel Forgings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10250-4 1.4313 (X3CrNiMo13-4) Open Die Steel Forgings for General Engineering Purposes

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.050 max.
Silicon	Si %	0.700 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	12.000 - 14.000
Molybdenum	Mo %	0.300 - 0.700
Nickel	Ni %	3.500 - 4.500
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	800 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	40 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-3 X 3 CrNiMo 13-4	UNI	Italy	Steel and Casting
EN 10088-1 X3CrNiMo13-4	AFNOR NF	France	Steel
EN 10088-2 X3CrNiMo13-4	AFNOR NF	France	Steel
EN 10088-3 X3CrNiMo13-4	AFNOR NF	France	Steel
EN 10088-3 X3CrNiMo13-4	DIN	Germany	Steel
EN 10088-2 X3CrNiMo13-4	DIN	Germany	Steel
EN 10088-1 X3CrNiMo13-4	DIN	Germany	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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