GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10250-3 50CrMo4 I 1.7228

Standard Specification for Open Die Steel Forgings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10250-3 50CrMo4 I 1.7228 Open Die Steel Forgings for General Engineering Purposes

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

Grade Belongs to the Industry - Forgings

Chemical Composition		
Carbon	C %	0.460 - 0.540
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	800 min.
Yield Strength in Mpa	550 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	25 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
36051-1 50 CrMo 4	UNE	Spain	Steel
EN 10083-1 1.7228	DIN	Germany	Steel
EN 10083-1 50 CrMo 4	AFNOR NF	France	Steel
EN 10083-1 50 CrMo 4	NS	Norway	Steel
C.B0.601 C 4733	JUS	Yugoslavia	Steel
50 CrMo 4	NBN	Belgium	Steel
693-18 50 CrMo 4	ISO	International	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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