GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A36 Plates

Standard Specification for Carbon Structural Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A36 Plates Carbon Structural Steel

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

Grade Belongs to the Industry - Shapes, Plate and Bars

Chemical Composition		
Carbon	C %	0.290 max.
Manganese	Mn %	0.800 - 1.200
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Silicon	Si %	0.150 - 0.400
Copper	Cu %	0.200 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	400 - 550
Yield Strength in Mpa	250 min.
Elongation in %	23 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
2938 1	ISO	International	Steel and Bars
17172 1.0484	DIN	Germany	Steel and Pipe
17172 StE 290.7	DIN	Germany	Steel and Pipe
22252 21 Mn 4 Al	DIN	Germany	Steel
17115 21 Mn 4 Al	DIN	Germany	Steel
17115 1.0470	DIN	Germany	Steel
22252 1.0470	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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