GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1501-1 151 Grade 360

Standard Specification for Carbon and Carbon Manganese Steel

Group - Ferrous Mild Steel Alloys

Sub Group - BS 1501-1 151 Grade 360 Carbon and Carbon Manganese Steel

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

Grade Belongs to the Industry - Steel and Plate

Chemical Composition		
Carbon	C %	0.170 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.400 - 1.200
Phosphorus	P %	0.030 max.
Sulphur	S %	0.045 max.
Chromium	Cr %	0.250 max.
Copper	Cu %	0.300 max.
Molybdenum	Mo %	0.100 max.
Nickel	Ni %	0.300 max.
Cr + Cu + Mo + Ni	Cr% + Cu% + Mo% + Ni%	0.700 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	360 - 480
Yield Strength in Mpa	205 min.
Elongation in %	26 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**
141330 1330	SS	Sweden	Steel
141331 1331	SS	Sweden	Steel
EN 10028-2 P 235 GH	AFNOR NF	France	Steel
35-205-2 A 37 CP	AFNOR NF	France	Steel
EN 10028-2 161 Grade 360	B.S.	United Kingdom	Steel
EN 10028-2 P235GH	DIN	Germany	Steel
10028-2 P 235 GH	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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