GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1501-1 154 Grade 360

Standard Specification for Carbon and Carbon Manganese Steel

Group - Ferrous Mild Steel Alloys

Sub Group - BS 1501-1 154 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 %	0.200 max.
Manganese	Mn %	0.300 - 1.200
Phosphorus	P %	0.050 max.
Sulphur	S %	0.050 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

Mechanical Properties	
Tensile Strength in Mpa	360 - 480
Yield Strength in Mpa	205 min.
Elongation in %	23 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.