GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1501-1 151 Grade 430

Standard Specification for Carbon and Carbon Manganese Steel

Group - Ferrous Mild Steel Alloys

Sub Group - BS 1501-1 151 Grade 430 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 %	0.250 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.600 - 1.400
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	430 - 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**
1502-2 151	B.S.	United Kingdom	Steel and Bars
1502 161	B.S.	United Kingdom	Steel and Bars
3606 400	B.S.	United Kingdom	Steel
1594 HA250	AS	Australia	Steel
1414 A11	GOST	Russia	Steel
10028-2 P 235 GH	EN	European Union	Steel
EN 10028-2 P235GH	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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