GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10207 P235S I 1.0112

Standard Specification for Technical Delivery Requirements for Plates, Strips, and Bars

Group - Ferrous Mild Steel Alloys
Sub Group - BS EN 10207 P235S I 1.0112 Technical Delivery Requirements for Plates, Strips, and Bars
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Plates, Strips and Bars

Chemical Composition		
Carbon	C %	0.160 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.400 - 1.200
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Aluminium	Al %	0.020 min.
Nitrogen	N %	0.010 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	360 - 480
Yield Strength in Mpa	235 min.
Elongation in %	26 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	28 @ -20°C

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10207 1.0112	DIN	Germany	Steeel
EN 10207 P235S	DIN	Germany	Steeel
EN 10207 P 235 S	UNI	Italy	Steel
10207 SPH 235	UNI	Italy	Steel
3100 A 5	B.S.	United Kingdom	Steel and Casting
36-232 H 355 M	AFNOR NF	France	Steel
A 516 Grade 55	ASTM	USA	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.