GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10025-2 S460JR I 1.0507

Standard Specification for Hot Rolled Products of Structural Steels

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10025-2 S460JR I 1.0507 Hot Rolled Products of Structural Steels

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.220 max.
Silicon	Si %	0.550 max.
Manganese	Mn %	1.700 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Nitrogen	N %	0.025 max.
Copper	Cu %	0.550 max.
Niobium	Nb %	0.050 max.
Vanadium	V %	0.130 max.
Titanium	Ti %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	550 - 720
Yield Strength in Mpa	460 min.
Elongation in %	17 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
141432 1432	SS	Sweden	Steel
EN 10028-2 P 265 GH	AFNOR NF	France	Steel
10028-2 1.0425	EN	European Union	Steel
10273 1.0425	EN	European Union	Steel
10028-2 1.0425	DIN	Germany	Steel
10028-2 P 265 GH	B.S.	United Kingdom	Steel
P 265 GH	NBN	Belgium	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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