GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10025-2 S235JR I 1.0038

Standard Specification for Hot Rolled Products of Structural Steels

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10025-2 S235JR I 1.0038 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 %	0.200 max.
Manganese	Mn %	1.400 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Nitrogen	N %	0.012 max.
Copper	Cu %	0.550 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	360 - 510
Yield Strength in Mpa	235 min.
Elongation in %	26 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**
1.0162	EN	European Union	Steel
S 235 J0 Cu	EN	European Union	Steel
1.0163	EN	European Union	Steel
S 235 J 2 G 4 Cu	EN	European Union	Steel
S 235 J 0 Cu	DIN	Germany	Steel
1.0162	DIN	Germany	Steel
1.0163	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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