

Declaration of Performance

(According to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S235J0

Bars & Section S235J0 / 1.0114 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

Manufacturer:
Liberty Merchant Bar plc
Liberty House, P O Box 15
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Website: <http://www.libertysteelscunthorpe.com/>

System of assessment and verification of constancy of performance of the product:
System 2+

Scope as detailed in Certificate of Conformity of
Factory Production Control No: **2814/CPR/20060002/A**

Notified factory production control certification body No. 2814 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



Subhajit Roy Chowdhury
Chief Executive Officer
GFG Alliance, UK

Date: 25-10-2021

| Essential characteristic | Performance | | | | Harmonised specification |
|------------------------------------|------------------------|-----|---|-----|--------------------------|
| | | | | | |
| Tolerances on dimensions and shape | Flat Bar | | EN10058 | | EN10025-1 2004 |
| | Equal & Unequal Angle | | EN 10056-1 & 2 | | |
| | Rounds | | EN 10060 | | |
| | Squares | | EN 10059 | | |
| | PFC | | EN 10279 | | |
| | I & H Sections | | EN 10034 | | |
| Yield strength (longitudinal) | Nominal thickness (mm) | | Values Min (MPa) | | |
| | > | ≤ | | | |
| | - | 16 | 235 | | |
| | 16 | 40 | 225 | | |
| | 40 | 100 | 215 | | |
| Tensile strength (longitudinal) | Nominal thickness (mm) | | Values (MPa) | | |
| | ≥ | ≤ | min | max | |
| | 3 | 100 | 360 | 510 | |
| | Nominal thickness (mm) | | Values min (% , 5.65√so) | | |
| Elongation (longitudinal) | > | ≤ | | | |
| | 3 | 40 | 26 | | |
| | 40 | 63 | 25 | | |
| | 63 | 100 | 24 | | |
| Impact strength (longitudinal) | J0 | | 27J at 0°C | | |
| Weldability CEV | Nominal thickness (mm) | | Values max (%) | | |
| | > | ≤ | | | |
| | - | 40 | 0.35 | | |
| | 40 | 150 | 0.38 | | |
| Durability | Nominal thickness (mm) | | Values max (%) | | |
| | - | 150 | C: 0.17 Mn: 1.40 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55 | | |



2814

EN 10025-1 – 2004

Bar and Section S235J0 / 1.0114

To be used in welded, bolted and riveted structures

Elongation:
Tensile Strength:
Yield Strength: EN10025-2
Impact Strength:
Weldability:
Durability:

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
Lloyd's Register Verification B.V.
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Liberty Merchant Bar