



LIBERTY
STEEL

Declaration of Performance
(according to regulation EU No 305/2011)

Unique identification of product type:

Number: **LMB Section & Bar S235JR**

Bars & Section S235JR / 1.0038 according EN 10025-2: 2004

Intended use:

Welded, bolted and riveted structures

Manufacturer:

Liberty Merchant Bar plc
Liberty House, P O Box 15
Brigg Road, Scunthorpe
DN16 1XL United Kingdom

T: +44 (0) 1724 853333
F: +44 (0) 1724 403044

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: **0038/CPR/20060002/A**

Notified factory production control certification body No. 0038 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.

Sum

Steve Unwin – Managing Director
Liberty Merchant Bar plc

Date: 29/09/2017

Essential characteristic	Performance	Harmonised specification
Tolerances on dimensions and shape	Flat Bar	EN10058
	Equal & Unequal Angle	EN 10056-1 & 2
	Rounds	EN 10060
	Squares	EN 10059
Yield strength (longitudinal)	PFC	EN 10279
	I & H Sections	EN 10034
	Nominal thickness (mm)	Values Min (MPa)
	> 5	235
Tensile strength (longitudinal)	Nominal thickness (mm)	Values
	> 5	min
	3	360
	510	max
Elongation (longitudinal)	Nominal thickness (mm)	Values
	> 5	min (%)
	40	5.65(50)
	25	max
Impact strength (longitudinal)	JR	27J at +20°C
	Nominal thickness (mm)	Values
Weldability CEV	Nominal thickness (mm)	max (%)
	> 5	0.35
	40	0.38
	50	0.38
Durability	Nominal thickness (mm)	Values
	> 40	max (%)
	50	C: 0.17 Mn: 1.40 P: 0.035 S: 0.035 N: 0.012 Cu: 0.55
	>40	C: 0.20 Mn: 1.40 P: 0.035 S: 0.035 N: 0.012 Cu: 0.55



0038

EN 10025-1 – 2004

Bar and Section S235JR / 1.0038

To be used in welded, bolted and riveted structures

Elongation:
Tensile Strength:
Yield Strength:
Impact Strength:
Weldability:
Durability:

EN10025-2

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel: +44 (0)207 423 2428
Email: ecdirectives@lr.org
Website: www.lr.org

Liberty Merchant Bar





**LIBERTY
STEEL**

Declaration of Performance (according to regulation EU No 305/2011)

Unique identification of product type:
Number: **LMB Section & Bar S355J2**
Bars & Section S355J2 / 1.0577 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

Manufacturer:
Liberty Merchant Bar plc
Liberty House, P O Box 15
Brigg Road, Scunthorpe
DN16 1XL United Kingdom

T: **+44 (0) 1724 853333**
F: **+44 (0) 1724 403044**

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: **0038/CPR/20060002/A**

Notified factory production control certification body No. 0038 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.


SUM

Sieve Unwin – Managing Director
Liberty Merchant Bar plc

Date: 29/09/2017

Liberty Merchant Bar

Essential characteristic	Performance	Harmonised specification
Tolerances on dimensions and shape	Flat Bar Equal & Unequal Angle Rounds Squares PFC I & H Sections EN10058 EN 10056-1 & 2 EN 10060 EN 10059 EN 10279 EN 10034	
Yield strength (longitudinal)	Nominal thickness (mm) Values Min (MPa) > 16 355 - 40 345 40 63 335 63 80 325 80 100 315	
Tensile strength (longitudinal)	Nominal thickness (mm) Values (MPa) ≥ 100 min max 3 470 630 40 63 21 63 100 20	EN10025-1 2004
Elongation (longitudinal)	Nominal thickness (mm) Values min (% 5.65s ₀) > 40 22 - 63 21 63 100 20	
Impact strength (longitudinal)	J2 27J at -20°C	
Weldability CEV	Nominal thickness (mm) Values max (%) > 30 0.45 - 100 0.47	
Durability	Nominal thickness (mm) Values max (%) - ≤40 C: 0.20 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55 >40 C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55	



0038

EN 10025-1 – 2004

Bar and Section S355J2 / 1.0577

To be used in welded, bolted and riveted structures

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

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
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