

Declaration of Performance

(The Construction Products (Amendment) (EU Exit) Regulations 2020 No.1359)

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
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DN16 1XL United Kingdom

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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**

Factory production control assessment 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 Exit) 2020 No 1359, 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	50	215	
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)		
	≥	≤	min	max
	3	100	360	510
Elongation (longitudinal)	Nominal thickness (mm)	Values min (%; 5.65√s ₀)		
	>	≤		
	-	40	26	
	40	50	25	
Impact strength (longitudinal)	JR	27J at +20°C		
Weldability CEV	Nominal thickness (mm)	Values max (%)		
	>	≤		
	-	40	0.35	
	40	50	0.38	
Durability	Nominal thickness (mm)	Values max (%)		
	-	≤ 40	C: 0.17 Mn: 1.40 P: 0.035 S: 0.035 N: 0.012 Cu: 0.55	
	>40	50	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

UK Conformity Assessment Body:
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Liberty Merchant Bar

