

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S275JR

Bars & Section S275JR / 1.0044 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
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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: **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
	Nominal thickness (mm)		Values		
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	275		
	16	40	265		
	40	63	255		
	63	80	245		
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)		
	≥	≤	min	max	
	3	100	410	560	
	Nominal thickness (mm)		Values min (% 5.65vs0)		
>	≤				
-	40	22			
40	63	21			
63	100	20			
Impact strength (longitudinal)	JR		27J at +20°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)		
	>	≤			
	-	40	0.40		
	40	150	0.42		
Durability	Nominal thickness (mm)		Values max (%)		
	-	≤40	C:0,21 Mn: 1,50 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55		
	>40	150	C:0,22 Mn: 1,50 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55		



2814

EN 10025-1 – 2004

Bar and Section S275JR / 1.0044

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

