

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
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.



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	
	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
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%; 5.65√s ₀)	
	>	≤		
	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	



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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:
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

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:
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 Factory Production Control No: **0038/CPR/20060002/A**

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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	
	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 (%; 5.65vso)	
	>	≤		
	-	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	



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EN 10025-1 – 2004

Bar and Section S235JR / 1.0038

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:
 Lloyds Register Verification Limited
 71 Fenchurch Street, London, EC3M 4BS
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 Website : www.lr.org

Liberty Merchant Bar

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S275J0

Bars & Section S275J0 / 1.0143 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**

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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	
	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	
	80	100	235	
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)	
	≥	≤	min	max
	3	100	410	560
			EN10025-1 2004	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%; 5.65Vs0)	
	>	≤		
	-	40	22	
	40	63	21	
	63	100	20	
Impact strength (longitudinal)	J0		27J at 0°C	
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	≤		
	-	40	0.40	
	40	150	0.42	
Durability	Nominal thickness (mm)		Values max (%)	
	-	>40	C: 0.18 Mn: 1.50 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55	



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EN 10025-1 – 2004

Bar and Section S275J0 / 1.0143

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:
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

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S275J2

Bars & Section S275J2 / 1.0145 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


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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	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)	EN10025-1 2004		
	>	≤			
	-	16		275	
	16	40		265	
	40	63		255	
	63	80		245	
	80	100		235	
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)	EN10025-1 2004		
	≥	≤		min	max
	3	100		410	560
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% 5.65v _{so})	EN10025-1 2004		
	>	≤			
	-	40		22	
	40	63		21	
	63	100		20	
Impact strength (longitudinal)	J2	27J at -20°C			
Weldability CEV	Nominal thickness (mm)	Values max (%)	EN10025-1 2004		
	>	≤			
	-	40		0.40	
	40	150		0.42	
Durability	Nominal thickness (mm)	Values max (%)	EN10025-1 2004		
	-	>40		C: 0.18 Mn: 1.50 P: 0.025 S: 0.025 Cu: 0.55	



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EN 10025-1 – 2004

Bar and Section S275J2 / 1.0145

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:
 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

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
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**

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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.



Steve Unwin – Managing Director
 Liberty Merchant Bar plc

Date: 29/09/2017

Essential characteristic	Performance		Harmonised specification			
Tolerances on dimensions and shape	Flat Bar Equal & Unequal Angle	EN10058	EN10025-1 2004			
	Rounds	EN 10056-1 & 2				
Squares	EN 10060					
PFC	EN 10059					
I & H Sections	EN 10279					
		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		
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% , 5.65V _{so})				
	>	≤				
	-	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			



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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:
 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

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S355J0

Bars & Section S355J0 / 1.0553 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.



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		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	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)		
	≥	≤	min	max	
	3	100	470	630	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%; 5.65V _{so})		
	>	≤			
	-	40	22		
	40	63	21		
	63	100	20		
Impact strength (longitudinal)	J0		27J at 0°C		
Weldability CEV	Nominal thickness (mm)		Values max (%)		
	>	≤			
	-	30	0.45		
	30	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		



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EN 10025-1 – 2004

Bar and Section S355J0 / 1.0553

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:
 Lloyds Register Verification Limited
 71 Fenchurch Street, London, EC3M 4BS
 Tel:+44 (0)207 423 2428
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 Website : www.lr.org

Liberty Merchant Bar

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


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Steve Unwin – Managing Director
 Liberty Merchant Bar plc

Date: 29/09/2017

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	EN10025-1:2004
Yield strength (longitudinal)	Nominal thickness (mm)	Values Min (MPa)	
	> ≤		
	- 16	355	
	16 40	345	
	40 63	335	
	63 80	325	
80 100	315		
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)	
	≥ ≤	min max	
	3 100	470 630	
Elongation (longitudinal)	Nominal thickness (mm)	Values min (%; 5.65v _{so})	
	> ≤		
	- 40	22	
	40 63	21	
63 100	20		
Impact strength (longitudinal)	J2	27J at -20°C	
Weldability CEV	Nominal thickness (mm)	Values max (%)	
	> ≤		
	- 30	0.45	
30 100	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:
 Tensile Strength:
 Yield Strength: EN10025-2
 Impact Strength:
 Weldability:
 Durability:

Dangerous Substances: No Performance Determined

CE Marking Notified Body:
 Lloyds Register Verification Limited
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Liberty Merchant Bar

Declaration of Performance

(according to regulation EU No 305/2011)

Unique identification of product type:
Number: LMB Section & Bar S355JR

Bars & Section S355JR / 1.0045 according EN 10025-2: 2004

Intended use:
Welded, bolted and riveted structures

Manufacturer:
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Liberty House, P O Box 15
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Liberty Merchant Bar plc

Date: 29/09/2017

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	EN10025-1 2004			
Yield strength (longitudinal)	Nominal thickness (mm)	Values Min (MPa)				
	>	≤				
	-	16			355	
	16	40			345	
	40	63			335	
	63	80			325	
Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)				
	≥	≤			min	max
	3	100			470	630
Elongation (longitudinal)	Nominal thickness (mm)	Values min (% , 5.65V _{so})				
	>	≤				
	-	40	22			
	40	63	21			
Impact strength (longitudinal)	JR		27J at +20°C			
Weldability CEV	Nominal thickness (mm)	Values max (%)				
	>	≤				
	-	30	0.45			
	30	100	0.47			
Durability	Nominal thickness (mm)	Values max (%)				
	-	> 40	C:0.24 Si: 0.55 Mn: 1.60 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55			



0038

EN 10025-1 – 2004

Bar and Section S355JR / 1.0045

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

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Liberty Merchant Bar