

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		Perfo	Harmonised specification		
	Flat	Bar	EN1	0058	
Tolerances on		al & al Angle	EN 100	56-1 & 2	-
dimensions and	Rou	inds	EN 1	0060	
shape		ares	EN 1	0059	
	PF	-		0279	-
	I&HS	ections	EN 1	0034	-
Yield strength (longitudinal)		thickness m)		ues MPa)	
	>	≤			
	-	16		35	4
	16 40	40		25	-
Tensile strength (longitudinal)	40 100 Nominal thickness (mm)		215 Values (MPa)		EN10025-1 2004
	≥	≤	min	max	-
	3	100	360	510	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%, 5.65√so)		
	>	≤			
	3	40		6	_
	40 63	63 100		5 4	-
Impact strength (longitudinal)		0	27J at 0°C		
Weldability CEV		Nominal thickness (mm)		ues : (%)	
	>	≤			
	-	40	0.35		4
	40	150	0.38		4
Durability	Nominal (m	thickness m)	Values max (%)		
	-	150	C: 0.17 Mn: 1.40 P: 0.030 S: 0.030 N: 0.012 Cu: 0.55		

	0038
EN	10025-1 – 2004
Bar and Se	ction S235J0 / 1.0114
To be used in welde	d, bolted and riveted structures
Elongation: Tensile Strength: Yield Strength: Impact Strength: Weldability: Durability:	EN10025-2
Dangerous Substances:	No Performance Determined
Lloyds Regis 71 Fenchurch S Tel:+44 Email : 6	arking Notified Body: ster Verification Limited Street, London, EC3M 4BS 4 (0)207 423 2428 ecdirectives@Ir.org site : <u>www.Ir.org</u>







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.

Steve Unwin – Managing Director Liberty Merchant Bar plc Date: 29/09/2017

Essential characteristic		Harmonised specification			
	Flat	Bar	EN1	0058	
Tolerances on dimensions and shape	Equ Unequa		EN 100	56-1 & 2	
	Rou	nds	EN 1	0060	
	Squ	ares	EN 1	0059	
	PF	C	EN 1	0279	
	I & H S	ections	EN 1	0034	
Yield strength (longitudinal)	Nominal (m			ues MPa)	
	>	≤			
	-	16	2	35	
	16	40		25	
	40	50		15	
Tensile strength (longitudinal)	Nominal (m			ues Pa)	
	≥	≤	min	max	EN10025-1 2004
	3	100	360	510	
Elongation	Nominal	thickness	Values		
(longitudinal)	(mm)		min (%, 5.65√so)		
	> <u>≤</u> - 40		26		
	- 40	40 50	26 25		
Impact strength (longitudinal)		JR		+20°C	
	Nominal	thickness	Va	ues	
Weldability CEV	(m	m)	ma	< (%)	
	>	≤			
	-	40	0.35		
	40	50	0.38		
Durability	Nominal thickness (mm)		Values max (%)		
	-	≤ 40	C: 0.17		
			Mn:	1.40	
				.035	
				.035	
				.012 0.55	
	>40	50		0.55	
	240	50	-	1.40	
				.035	
			-	.035	
			-	.012	
	I		Cu:	0.55	

СЕ 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: 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 : <u>www.lr.org</u>	







75J0	Essential characteristic	Performance		Harmonised specification			
EN 10025-2: 2004	Tolerances on	Flat	Bar	EN100	058		
tures	dimensions and shape	Equa Unequa		EN 10056	5-1 & 2		CE
Aures		Rou	-	EN 100	060		
		Squa	ares	EN 100	059		
		PF	-C	EN 102	279		
		I & H Se	ections	EN 100	034		0038
	Yield strength	Nominal t		Value			
	(longitudinal)	(m	m)	Min (N	(Pa)		
		>	≤				
		-	16	275			EN 10025-1 – 2004
		16 40	40 63	265 255			
rpe.com/		63	80	255			Bar and Section S275J0 / 1.0143
		80	100	235			
mance of the product:	Tensile strength	Nominal t	thickness	Value	es		To be used in welded, bolted and riveted structures
	(longitudinal)	(m	m)	(MPa	a)	EN10025-1 2004	
formality of		≥	≤	min	max		Elongation:
formity of							Tensile Strength:
/20060002/A		3	100	410	560		Yield Strength: EN10025-2
	Elongation (longitudinal)	Nominal t (m		Value min (%, 5.			Impact Strength:
h body No. 0038	(iongreatinal)	(,	11111 (70, 5.	.05450)		Weldability:
uring plant and of		>	≤				Durability:
s surveillance,		-	40	22			Durability.
tion control and tory production		40 63	63 100	21 20			Dangerous Substances: No Performance Determined
lory production		03	100	20			Bangerous Cabstanoos. No r chomianoe Beterminea
	Impact strength (longitudinal)	JL	0	27J at	0°C		
e is in conformity	(iongitudinal)						CE Marking Notified Body:
declaration of							Lloyds Register Verification Limited
gulation (EU) No	Weldability CEV	Nominal 1 (m		Value max (71 Fenchurch Street, London, EC3M 4BS
e manufacturer		>	, ≤	Thux (,0)		Tel:+44 (0)207 423 2428
		-	40	0.40	D		Email : ecdirectives@lr.org
		40	150	0.42	2		Website : <u>www.lr.org</u>
	Durahilitu	Neminald	thickness	Value			
	Durability	Nominal t (m		Value max (
		- (>40	C: 0.1			
0/09/2017				Mn: 1			
				P: 0.0			
				S: 0.0 N: 0.0			
				Cu: 0.			

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

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







duct type: Bar S275J2	Essential characteristic			Harmonised specification	
ording EN 10025-2: 2004	Tolerances on	Flat Bar	EN10058		
d structures	dimensions and shape	Equal & Unequal Angle	EN 10056-1 & 2		CE
		Rounds	EN 10060		
ar plc Box 15		Squares	EN 10059		0020
horpe ngdom		PFC	EN 10279		0038
-	Yield strength	I & H Sections Nominal thickness	EN 10034 Values		
3333 3044	(longitudinal)	(mm)	Min (MPa)		EN 10025-1 – 2004
scunthorpe.com/		- 16 16 40	275 265		Bar and Section S275J2 / 1.0145
y of performance of the product:		40 63 63 80 80 100	255 245 235	EN10025-1 2004	To be used in welded, bolted and riveted structures
of Conformity of 38/CPR/20060002/A	Tensile strength (longitudinal)	80 100 Nominal thickness (mm) ≥ ≤ 3 100	Z35 Values (MPa) min max 410 560		Elongation: Tensile Strength: Yield Strength: EN10025-2
tification body No. 0038 anufacturing plant and of ntinuous surveillance,	Elongation (longitudinal)	Nominal thickness (mm)	Values min (%, 5.65Vso)		Impact Strength: Weldability: Durability:
r production control and the factory production		- 40 40 63 63 100	22 21 20		Dangerous Substances: No Performance Determined
ed above is in conformity e/s. This declaration of	Impact strength (longitudinal)	J2	27J at -20°C		CE Marking Notified Body: Lloyds Register Verification Limited
with Regulation (EU) No ity of the manufacturer	Weldability CEV	Nominal thickness (mm)	Values max (%)		71 Fenchurch Street, London, EC3M 4BS Tel:+44 (0)207 423 2428
		> ≤ - 40	0.40		Email : ecdirectives@lr.org Website : <u>www.lr.org</u>
	Durability	40 150 Nominal thickness (mm)	0.42 Values max (%)		
Date: 29/09/2017		- >40	C: 0.18 Mn: 1.50 P: 0.025 S: 0.025 Cu: 0.55		

Unique identification of pro Number: LMB Section &

Bars & Section S275J2 / 1.0145 acc

Intended use: Welded, bolted and rivete

> Manufacturer: Liberty Merchant E Liberty House, P O Brigg Road, Scunt DN16 1XL United Ki

T: +44 (0) 1724 85 F: +44 (0) 1724 40

Website: http://www.libertysteel

System of assessment and verification of constant System 2+

Scope as detailed in Certificate Factory Production Control No: 00

Notified factory production control cer performed the initial inspection of the m factory production control and the co assessment, and evaluation of factor issued the certificate of conformity of control

The performance of the product identifi with the set of declared performance performance is issued, in accordance 305/2011, under the sole responsibility identified abov

Steve Unwin - Managing Director Liberty Merchant Bar plc







Unique identification of product type:

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

Mn: 1.50

P: 0,035 S: 0,035 N: 0.012 Cu: 0.55 Harmonised

Performance

Number: LMB Section & Bar S275JR specification Bars & Section S275JR / 1.0044 according EN 10025-2: 2004 Tolerances on Flat Bar EN10058 dimensions and shape Equal & Unequal Angle EN 10056-1 & 2 Intended use: Rounds EN 10060 Welded, bolted and riveted structures Squares EN 10059 PEC EN 10279 Manufacturer: I & H Sections EN 10034 Liberty Merchant Bar plc Liberty House, P O Box 15 Yield strength Nominal thickness Values Brigg Road, Scunthorpe (longitudinal) (mm) Min (MPa) **DN16 1XL United Kingdom** > ≤ 16 275 16 40 265 T: +44 (0) 1724 853333 40 63 255 F: +44 (0) 1724 403044 63 80 245 80 100 235 Website: http://www.libertysteelscunthorpe.com/ Tensile strength Nominal thickness Values (longitudinal) (mm) (MPa) System of assessment and verification of constancy of performance of the product: EN10025-1 2004 ≥ ≤ min max System 2+ 100 560 3 410 Scope as detailed in Certificate of Conformity of Elongation Nominal thickness Values Factory Production Control No: 0038/CPR/20060002/A min (%, 5.65vso) (longitudinal) (mm) > ≤ 40 22 Notified factory production control certification body No. 0038 40 63 21 performed the initial inspection of the manufacturing plant and of 63 100 20 factory production control and the continuous surveillance, assessment, and evaluation of factory production control and Impact strength IR 271 at +20°C issued the certificate of conformity of the factory production (longitudinal) control Nominal thickness Values Weldability CEV max (%) (mm) < The performance of the product identified above is in conformity 40 0.40 with the set of declared performance/s. This declaration of 40 150 0.42 performance is issued, in accordance with Regulation (EU) No Nominal thickness Values 305/2011, under the sole responsibility of the manufacturer Durability (mm) max (%) ≤40 C:0.21 identified above. Mn: 1,50 P: 0,035 S: 0,035 N: 0.012 Cu: 0.55 >40 150 C:0,22 Steve Unwin - Managing Director Date: 29/09/2017

Essential characteristic

CE 0038 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

Liberty Merchant Bar plc





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		Perfor	Harmonised		
characteristic			specification		
T -1		t Bar	EN10058		
Tolerances on dimensions and shape		ual &	EN 10056-1 & 2		
unitensions and shape		ial Angle	ENL 2	10000	-
		unds Jares		10060 10059	-
		PFC		10039	-
		Sections		10279	1
Yield strength		l thickness		lues	
(longitudinal)		nm)		(MPa)	
(iongreadinal)	> (.	≤		(
	-	16	3	155	
	16	40		345	
	40	63		35	
	63	80		325	
	80	100		15	
Tensile strength	••	l thickness		lues	1
(longitudinal)		nm)		/IPa)	
(* 8 ,	`	,	,	.,	
	≥	≤	min	max	
					EN10025-1 2004
	3	100	470	630	
Elongation	Nominal thickness		Values		
(longitudinal)	(mm)		min (%, 5.65√so)		
	> ≤				
	-	- 40		22	
	40	63	21 20		
	63	100			
Impact strength (longitudinal)		10	27J at 0°C		
Weldability CEV		Nominal thickness		lues	
		nm)	ma	ix (%)	4
	>	<u>≤</u>		45	4
		30	0.45		4
	30	100 I thickness	0.47		4
Durability		nm)	Values		
Durability	- (1	≤40	max (%) C: 0.20		
	-	240		0.55	
				: 1.60	
				0.030	
			S: 0	0.030	
			N: (0.012	
			Cu:	0.55	1
		>40	C: 0.22		
		1		0.55	
				: 1.60	
				0.030	
				0.030	
				0.012	
		1	Cu:	0.55	

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

> CE 0038 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 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 S355J2	Essential characteristic		Performance		Harmonised specification		
Bars & Section S355J2 / 1.0577 according EN 10025-2: 2004	Tolerances on dimensions and shape	Flat E Equa	1&		0058		
Intended use: Welded, bolted and riveted structures		Unequal Roun Squa PF0	nds res	EN 1 EN 1	56-1 & 2 10060 10059 10279		CE
Manufacturer: Liberty Merchant Bar plc Liberty House, P O Box 15	Yield strength	I & H Se			l0034 lues		
Brigg Road, Scunthorpe DN16 1XL United Kingdom	(longitudinal)	(mn > -	n) 	Min (MPa)			0038
T: +44 (0) 1724 853333 F: +44 (0) 1724 403044		16 40 63	40 63 80	3	45 35 25		EN 10025-1 – 2004
Website: http://www.libertysteelscunthorpe.com/	Tensile strength (longitudinal)	80 Nominal th	100 hickness	3 Va	15 lues IPa)		Bar and Section S355J2 / 1.0577
System of assessment and verification of constancy of performance of the product: System 2+		≥ 3	≤ 100	min 470	630	EN10025-1 2004	To be used in welded, bolted and riveted structures
Scope as detailed in Certificate of Conformity of Factory Production Control No: 0038/CPR/20060002/A	Elongation (longitudinal)	Nominal th (mn >		min (%,	lues 5.65√so) 22		Elongation: Tensile Strength: Yield Strength: EN10025-2
Notified factory production control certification body No. 0038 performed the initial inspection of the manufacturing plant and of		40 63	63 100	2	21 20		Impact Strength: Weldability:
factory production control and the continuous surveillance, assessment, and evaluation of factory production control and	Impact strength (longitudinal)	J2 Nominal th			t -20°C lues		Durability:
issued the certificate of conformity of the factory production control	Weldability CEV	(mn >	n) ≤	ma	x (%)		Dangerous Substances: No Performance Determined
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of		- 30 Nominal th	30 100 hickness	0.	.45 .47 lues		CE Marking Notified Body: Lloyds Register Verification Limited
performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.	Durability	(mn		C: (Si:	x (%) 0.20 0.55 : 1.60		71 Fencharter (0)207 423 2428 Email : ecdirectives@lr.org
Sum				S: 0 N: 0	0.030 0.030 0.012 0.55		Website : <u>www.lr.org</u>
Steve Unwin – Managing Director Date: 29/09/2017 Liberty Merchant Bar plc			>40	Si: Mn:	0.22 0.55 : 1.60 0.030		
				S: 0 N: 0	0.030 0.012 0.55		

Liberty Merchant Bar





Unique identification of product type: Number: LMB Section & Bar S355JR	Essential characteristic	Performance		Harmonised specification	
Bars & Section S355JR / 1.0045 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	Tolerances on dimensions and shape Yield strength	Flat Bar Equal & Rounds Squares PFC I & H Sections Nominal thickness	EN10058 EN 10056-1 & 2 EN 10060 EN 10059 EN 10279 EN 10034 Values		CE 0038
DN16 1XL United Kingdom T: +44 (0) 1724 853333	(longitudinal)	(mm) > ≤ - 16	Min (MPa) 355		
F: +44 (0) 1724 403044		16 40 40 63	345 335		EN 10025-1 – 2004
Website: http://www.libertysteelscunthorpe.com/		63 80 80 100	325 315		Bar and Section S355JR / 1.0045
System of assessment and verification of constancy of performance of the product: System 2+	Tensile strength (longitudinal)	Nominal thickness (mm)	Values (MPa)	EN10025-1 2004	To be used in welded, bolted and riveted structures
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	Elongation (longitudinal) Impact strength	≥ ≤ 3 100 Nominal thickness (mm) > ≤ - 40 40 63 63 100 JR	min max 470 630 Values min (%, 5.65vso) 22 21 20 27J at +20°C		Elongation: Tensile Strength: Yield Strength: EN10025-2 Impact Strength: Weldability: Durability: Dangerous Substances: No Performance Determined
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.	(longitudinal) Weldability CEV Durability	Nominal thickness (mm) > ≤ - 30 30 100 Nominal thickness (mm)	Values max (%) 0.45 0.47 Values max (%)		CE Marking Notified Body: Lloyds Register Verification Limited 71 Fenchurch Street, London, EC3M 4BS Tel:+44 (0)207 423 2428 Email : ecdirectives@Ir.org Website : <u>www.Ir.org</u>
Steve Unwin – Managing Director Date: 29/09/2017 Liberty Merchant Bar plc		- >40	C:0.24 Si: 0.55 Mn: 1.60 P: 0,035 S: 0,035 N: 0.012 Cu: 0,55		

Liberty Merchant Bar

