

EN 10 204-3.1 (2004)

Tilaja Purchaser  
BE GROUP OY AB  
PL 54  
15101 LAHTI FINLAND  
Tilaus nro Order No.  
P103280

Tilausvahvistus Order Confirmation  
76672

Vastaanottaja Consignee  
BE GROUP OY AB  
VANHANRADANKATU 42  
15520 LAHTI FINLAND  
Asiakkaan merkki Shipping mark  
P103280

Päivämäärä Date  
23.02.2023  
Valmistajan merkki  
Mark of the Manufacturer



Todistus Certificate  
31

Laatumerkintä Quality Marking  
S235JR+AR

Tarkastajan leima  
Stamp of Inspector

*Mxx*

Toimitustyyppi Delivery type  
PART DELIVERY

Sulatus nro levy nro Cast No. Plate No.  
XXXXX XXX XX XXX

Vastaanottajan leima  
Stamp of Surveyor

Muut leimaukset  
Other Stamps

Tuote Product  
CUT LENGTHS  
Laji Grade  
S235JR+AR/TEAR PLATE EN 10025-2:2019  
Laatuselvitys Quality Specifications  
HOT ROLLED TEAR PLATES

Toleranssit Tolerances  
DIN 59220/00-SEL014E-79/SFS-EN10363:2016

Tekniset vaatimukset ja/tai viralliset määräykset Technical terms of Delivery and/or Official Regulations

Positio Item	Mitat mm Dimensions mm	Merkki Marke	Kpl Pcs	Paino kg Weight kg	Sulatus levy nro Cast plate No	SP nro SP No	UT	MT	Turvamerkki Safetymark
-----------------	---------------------------	-----------------	------------	-----------------------	-----------------------------------	-----------------	----	----	---------------------------

H.R. TEAR PLATES IN BUNDLES CUT LENGTHS MILL EDGES  
GALVANIZING CLASS 1 (SI MAX 0.03%, SI+2.5P <= 0.09%)

002	3.00 X 1500 X 3000	2102203900	115	13325	28896	042	042		
			***	115	13325				

### Raahe Steel Works

Täten todistamme, että toimitus on tilausvahvistuksen mukainen.  
We hereby certify that the material described above has been tested and complies with the terms of the order confirmation.

Testaus ja tarkastus Testing and Inspection

*Minna Valkama*

### MINNA VALKAMA

Valtuutettu tarkastaja Authorized inspection representative

Yhtiön nimi Company Name: SSAB Europe Oy  
Kotipaikka Registered Office: HAMEENLINNA

Osoite Address: PL 93, P.O Box 93  
FI-92101 RAAHE, FINLAND

Puhelin Telephone: 020 5911  
+358 20 5911

Y-tunnus Business ID: 2389445-7



Sulatus nro Cast No Schmelzen Nr. No de coulén	Koe nro Test No Prüf Nr. Essai No	Positio Item Pos. Poste	Cekv Ceq Câq Cég Cekv	Analyysi % Chemical composition % Chemisch Zusammensetzung % Composition Chimique % (*-ppm)															Päivämäärä Date Datum Date		
				C	SI	MN	P	S	AL	NB	V	TI	CU	CR	NI	MO	N	B	23.02.2023		JMO
28896		002	.21	.068	.01	0.76	.008	.008	.023	.000	.007	.014	.011	0.03	0.05	.005	.003	.0001			

CEQ=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

### Raahe Steel Works

Testaus ja tarkastus  
Prüfung und Kontrolle

Testing and Inspection  
Essais et Contrôle

SSAB Europe Oy, Raahe Steel Works testing laboratories T002 and T010 are accredited by the FINAS accreditation service, accreditation requirement SFS-EN ISO/IEC 17025.

Steel manufactured and supplied by Raahe Steel Works is free from radiation.



### MINNA VALKAMA

Valtuutettu tarkastaja  
Sachverständiger

Authorized inspection representative  
Inspector autorisé

Yhtiön nimi Company Name: SSAB Europe Oy  
Kotipaikka Registered Office: HAMEENLINNA

Osoite Address: PL 93, P.O Box 93  
FI-92101 RAAHE, FINLAND

Puhelin Telephone: 020 5911  
+358 20 5911

Y-tunnus Business ID: 2389445-7

**Declaration of performance**  
(according to EU No 305/2011 and 574/2014)

DoP id. S002\_02

Hot rolled strip product S235JR / 1.0038  
according to  
EN 10025-2:2019  
for bolted, welded and riveted structures.

SSAB  
P.O Box 70  
101 20 Stockholm  
SWEDEN  
T: +46 8 45 45 700  
Email: info@ssab.com  
Website: ssab.com

TÜV NORD Systems GmbH & Co. KG  
Grosse Bahnstrasse 31  
D-22525 Hamburg  
Germany  
T: +49 40 8557 2368

Assessment system and verification for constancy  
of performance  
**System 2+**

The performance of the product identified in this document is  
in conformity with the set of declared performance. This declaration of performance  
is issued in accordance with Regulations (EU) No 305/2011 and 574/2014,  
under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Jarkko Matkala  
Vice President, hot rolled plate and strip products,  
SSAB Europe Oy, Raahe Steelworks  
Raahe 2015-06-09



05

0045-CPR-0573  
EN 10025-1:2004

Dop id: S002_02 EN 10025-2:2019		Performance				Harmonized technical specification	
S235JR	Thickness	Tolerances for nominal width w				EN 10025-1:2004	
Tolerances on dimensions and shape.	Nominal thickness (mm)	w ≤ 1200	1200 < w ≤ 1500	1500 < w ≤ 1800	w > 1800		
							t ≤ 2,00
	Thickness	2,00 < t ≤ 2,50	± 0,18	± 0,21	± 0,23		± 0,25
		2,50 < t ≤ 3,00	± 0,20	± 0,22	± 0,24		± 0,26
		3,00 < t ≤ 4,00	± 0,22	± 0,24	± 0,26		± 0,27
		4,00 < t ≤ 5,00	± 0,24	± 0,26	± 0,28		± 0,29
		5,00 < t ≤ 6,00	± 0,26	± 0,28	± 0,29		± 0,31
		6,00 < t ≤ 8,00	± 0,29	± 0,30	± 0,31		± 0,35
		8,00 < t ≤ 10,00	± 0,32	± 0,33	± 0,34		± 0,40
		10,00 < t ≤ 12,50	± 0,35	± 0,36	± 0,37		± 0,43
		12,50 < t ≤ 15,00	± 0,37	± 0,38	± 0,40		± 0,46
		15,00 < t ≤ 25,00	± 0,40	± 0,42	± 0,45		± 0,50
Width	Nominal width w	Tolerances					
		Mill edges		Trimmed edges*			
		Lower	Upper	Lower	Upper		
	w ≤ 1 200	0	+20	0	+3		
	1 200 < w ≤ 1 850	0	+20	0	+5		
	w > 1 850	0	+25	0	+6		
* Tolerances for trimmed edges apply to products with nominal thickness t ≤ 10 mm; for nominal thickness t > 10 mm the upper tolerances shall be agreed at the time of enquiry and order.							
Length	Nominal length	Tolerances					
		Lower		Upper			
	l	0		+10			
	2 000 ≤ l < 8 000	0		+0,005 x l			
	l ≥ 8 000	0		+40			
Flatness	Nominal thickness t	Tolerances					
		w ≤ 1 200	1 200 < w ≤ 1 500	w > 1500			
	t	18		25			
	2,00 < t ≤ 25	15		23			

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	235	-
	> 16 ≤ 25	225	-
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	360	510
	≥ 3 ≤ 25	360	510
Elongation	thickness mm	min %	
	> 1.5 ≤ 2	17	
	> 2 ≤ 2.5	18	
	> 2.5 < 3	19	
	≥ 3 ≤ 25	24	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 25	20	27
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.35	
Durability (chemical composition)	element	max %	
	C	0.17	
	Mn	1.40	
	P	0.035	
	S	0.035	
	N	0.012	
	Cu	0.55	
	Ni	0.42	
	Cr	0.29	
	Mo	0.11	

**Declaration of performance**  
(according to UK CPR 2020 No 1359)

DoP id. S002\_02

Hot rolled strip product S235JR / 1.0038  
according to  
EN 10025-2:2019  
for bolted, welded and riveted structures.

SSAB  
P.O Box 70  
101 20 Stockholm  
SWEDEN  
T: +46 8 45 45 700  
Email: info@ssab.com  
Website: ssab.com

LRQA Verification Limited (Reg. No. 4929226)  
Registered office  
1 Trinity Park, Bickenhill Lane  
Birmingham  
B37 7ESA

Assessment system and verification for constancy  
of performance  
**System 2+**

The performance of the product identified in this document is  
in conformity with the set of declared performance. This declaration of performance  
is issued in accordance with Regulations (EU) No 305/2011 and 574/2014,  
under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Jarkko Matkala  
Vice President, hot rolled plate and strip products,  
SSAB Europe Oy, Raahe Steelworks  
Raahe 2015-06-09

# UK CA

05

0038/CPR/PRJ11100341405/ 01

EN 10025-1:2004

Dop id: S002_02 EN 10025-2:2019		Performance				Harmonized technical specification	
S235JR	Thickness	Tolerances for nominal width w				EN 10025-1:2004	
Tolerances on dimensions and shape.	Nominal thickness (mm)	w ≤ 1200	1200 < w ≤ 1500	1500 < w ≤ 1800	w > 1800		
							t ≤ 2,00
	Thickness	2,00 < t ≤ 2,50	± 0,18	± 0,21	± 0,23		± 0,25
		2,50 < t ≤ 3,00	± 0,20	± 0,22	± 0,24		± 0,26
		3,00 < t ≤ 4,00	± 0,22	± 0,24	± 0,26		± 0,27
		4,00 < t ≤ 5,00	± 0,24	± 0,26	± 0,28		± 0,29
		5,00 < t ≤ 6,00	± 0,26	± 0,28	± 0,29		± 0,31
		6,00 < t ≤ 8,00	± 0,29	± 0,30	± 0,31		± 0,35
		8,00 < t ≤ 10,00	± 0,32	± 0,33	± 0,34		± 0,40
		10,00 < t ≤ 12,50	± 0,35	± 0,36	± 0,37		± 0,43
		12,50 < t ≤ 15,00	± 0,37	± 0,38	± 0,40		± 0,46
		15,00 < t ≤ 25,00	± 0,40	± 0,42	± 0,45		± 0,50
Width	Nominal width w	Tolerances					
		Mill edges		Trimmed edges*			
		Lower	Upper	Lower	Upper		
	w ≤ 1 200	0	+20	0	+3		
	1 200 < w ≤ 1 850	0	+20	0	+5		
	w > 1 850	0	+25	0	+6		
* Tolerances for trimmed edges apply to products with nominal thickness t ≤ 10 mm; for nominal thickness t > 10 mm the upper tolerances shall be agreed at the time of enquiry and order.							
Length	Nominal length	Tolerances					
		Lower		Upper			
	l	0		+10			
	2 000 ≤ l < 8 000	0		+0,005 x l			
	l ≥ 8 000	0		+40			
Flatness	Nominal thickness t	Tolerances					
		w ≤ 1 200	1 200 < w ≤ 1 500	w > 1500			
	t	18		25			
	2,00 < t ≤ 25	15		23			

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	235	-
	> 16 ≤ 25	225	-
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	360	510
	≥ 3 ≤ 25	360	510
Elongation	thickness mm	min %	
	> 1.5 ≤ 2	17	
	> 2 ≤ 2.5	18	
	> 2.5 < 3	19	
	≥ 3 ≤ 25	24	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 25	20	27
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.35	
Durability (chemical composition)	element	max %	
	C	0.17	
	Mn	1.40	
	P	0.035	
	S	0.035	
	N	0.012	
	Cu	0.55	
	Ni	0.42	
	Cr	0.29	
Mo	0.11		