

EN 10 204-3.1 (2004)

Tilaja Purchaser
BE GROUP OY AB
PL 54
15101 LAHTI FINLAND
Tilaus nro Order No.
P105779

Tilausvahvistus Order Confirmation
78460

Vastaanottaja Consignee
BE GROUP OY AB
VANHANRADANKATU 42
15520 LAHTI FINLAND
Asiakkaan merkki Shipping mark
P105779

Päivämäärä Date
05.06.2023
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
Laatuseelvitys 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	117	13590	34444 051	069			
002	3.00 X 1500 X	3000	81	9425	34444 069	069			
			***	198	23015				

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	05.06.2023	TAH
34444		002	.21	.067	.01	0.77	.011	.007	.033	.001	.009	.017	.023	0.05	0.05	.004	.004	.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

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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
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Website: ssab.com

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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	± 0,17
	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 ≤ 2,00	18	20	25				
	2,00 < t ≤ 25	15	18	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
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Registered office
1 Trinity Park, Bickenhill Lane
Birmingham
B37 7ESA

Assessment system and verification for constancy
of performance
System 2+

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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	
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	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
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1 200 < w ≤ 1 850		0	+20	0	+5		
w > 1 850		0	+25	0	+6		
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