

EN 10 204-3.1 (2004)

A 76657 -001

10.01.2023

Tilaja Purchaser
TIBNOR OY
NIINISTÖNKATU 7
05800 HYVINKÄÄ FINLAND
Tilaus nro Order No.
4501398691

Tilausvahvistus Order Confirmation
76657

Vastaanottaja Consignee
TIBNOR OY
NIINISTÖNKATU 7
05800 HYVINKÄÄ FINLAND
Asiakkaan merkki Shipping mark

Päivämäärä Date
11.01.2023

Valmistajan merkki
Mark of the Manufacturer



Todistus Certificate
31

Laatumerkintä Quality Marking
S355K2 N S355J2 N

Tarkastajan leima
Stamp of Inspector

Mxx

Toimitustyyppi Delivery type
PART DELIVERY

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

Vastaanottajan leima
Stamp of Surveyor

Muut leimaukset
Other Stamps

Tuote Product
CUT LENGTHS
Laji Grade
MULTISTEEL/S355K2+N EN 10025-2:2019
Laatuselvitys Quality Specifications
STRUCTURAL STEEL,MEETS REQ. OF EN 10025-2 S355K2/J2

Toleranssit Tolerances
EN 10051:2010

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
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HOT ROLLED STEEL IN BUNDLES CUT LENGTHS MILL EDGES

FLANGEABILITY (C) ACC. TO STEEL GRADE SPEC.;CEV MAX 0,43%,MEETS REQ.OF EN10025-2 S355J0

070	8.00 X 1500 X	3000	4501398691	A005.A01639	STD	48	13585	26656	040	040
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*** 48 13585

Raah 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: HÄMEENLINNA

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 Caq Cég Cekv	Analyysi % Chemical composition % Chemisch Zusammensetzung % Composition Chimique % (*=ppm)												Päivämäärä Date Datum Date		
				C	SI	MN	P	S	AL	NB	V	CU	CR	NI	MO	11.01.2023		JMO
26656		070	.40	.148	.20	1.40	.009	.006	.036	.017	.009	.018	0.05	0.05	.004			

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

Raah Steel Works

Testaus ja tarkastus Testing and Inspection
Prüfung und Kontrolle Essais et Contrôle

SSAB Europe Oy, Raah 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 Raah Steel Works is free from radiation.

MINNA VALKAMA

Valtuutettu tarkastaja Authorized inspection representative
Sachverständiger Inspector autorisé

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Kotipaikka Registered Office: HÄMEENLINNA

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Y-tunnus Business ID: 2389445-7

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

DoP id. S011_02

Hot rolled strip product S355K2 / 1.0596
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, Raahе Steelworks
Raahе 2015-06-09



05

0045-CPR-0573
EN 10025-1:2004

Dop id: S011_02 EN 10025-2:2019		Performance				Harmonized technical specification	
S355K2	Thickness	Tolerances for nominal width w				EN 10025-1:2004	
Tolerances on dimensions and shapes.	Nominal thickness (mm)	w ≤ 1200	1200 < w ≤ 1500	1500 < w ≤ 1800	w > 1800		
							t ≤ 2,00
	Thickness	2,00 < t ≤ 2,50	± 0,21	± 0,24	± 0,26		± 0,29
		2,50 < t ≤ 3,00	± 0,23	± 0,25	± 0,28		± 0,30
		3,00 < t ≤ 4,00	± 0,25	± 0,28	± 0,30		± 0,31
		4,00 < t ≤ 5,00	± 0,28	± 0,30	± 0,32		± 0,33
		5,00 < t ≤ 6,00	± 0,30	± 0,32	± 0,33		± 0,36
		6,00 < t ≤ 8,00	± 0,33	± 0,35	± 0,36		± 0,40
		8,00 < t ≤ 10,00	± 0,37	± 0,38	± 0,39		± 0,46
		10,00 < t ≤ 12,50	± 0,40	± 0,41	± 0,43		± 0,49
		12,50 < t ≤ 15,00	± 0,43	± 0,44	± 0,46		± 0,53
		15,00 < t ≤ 25,00	± 0,46	± 0,48	± 0,52		± 0,58
Width	Nominal width	Tolerances					
		Mill edges		Trimmed edges*			
	w	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 < 2 000	0		+10			
	2 000 ≤ l < 8 000	0		+0,005 x l			
l ≥ 8 000	0		+40				
Flatness	Nominal thickness	Tolerances					
		w ≤ 1 200	1 200 < w ≤ 1 500	w > 1500			
	t ≤ 25,00	18	23	28			

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	355	
	> 16 ≤ 25	345	
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	≥ 3 ≤ 25	470	630
Elongation	thickness mm	min %	
	> 1.5 ≤ 2	14	
	> 2 ≤ 2.5	15	
	> 2.5 < 3	16	
	≥ 3 ≤ 25	20	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 25	-20	40
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.45	
Durability (chemical composition)	element	max %	
	C	0.20	
	Si	0.55	
	Mn	1.60	
	P	0.025	
	S	0.025	
	N		
	Cu	0.55	
	Ni	0.42	
	Cr	0.29	
Mo	0.11		

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

DoP id. S011_02

Hot rolled strip product S355K2 / 1.0596
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+

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



05

0038/CPR/PRJ11100341405/ 01

EN 10025-1:2004

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S355K2	Thickness	Tolerances for nominal width w				EN 10025-1:2004	
Tolerances on dimensions and shapes.	Nominal thickness (mm)	w ≤ 1200	1200 < w ≤ 1500	1500 < w ≤ 1800	w > 1800		
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		3,00 < t ≤ 4,00	± 0,25	± 0,28	± 0,30		± 0,31
		4,00 < t ≤ 5,00	± 0,28	± 0,30	± 0,32		± 0,33
		5,00 < t ≤ 6,00	± 0,30	± 0,32	± 0,33		± 0,36
		6,00 < t ≤ 8,00	± 0,33	± 0,35	± 0,36		± 0,40
		8,00 < t ≤ 10,00	± 0,37	± 0,38	± 0,39		± 0,46
		10,00 < t ≤ 12,50	± 0,40	± 0,41	± 0,43		± 0,49
		12,50 < t ≤ 15,00	± 0,43	± 0,44	± 0,46		± 0,53
		15,00 < t ≤ 25,00	± 0,46	± 0,48	± 0,52		± 0,58
Width	Nominal width	Tolerances					
		Mill edges		Trimmed edges*			
	w	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 < 2 000	0		+10			
	2 000 ≤ l < 8 000	0		+0,005 x l			
l ≥ 8 000	0		+40				
Flatness	Nominal thickness	Tolerances					
		w ≤ 1 200	1 200 < w ≤ 1 500	w > 1500			
	t ≤ 25,00	18	23	28			

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	355	
	> 16 ≤ 25	345	
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	≥ 3 ≤ 25	470	630
Elongation	thickness mm	min %	
	> 1.5 ≤ 2	14	
	> 2 ≤ 2.5	15	
	> 2.5 < 3	16	
	≥ 3 ≤ 25	20	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 25	-20	40
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.45	
Durability (chemical composition)	element	max %	
	C	0.20	
	Si	0.55	
	Mn	1.60	
	P	0.025	
	S	0.025	
	N		
	Cu	0.55	
	Ni	0.42	
	Cr	0.29	
Mo	0.11		

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

DoP id. S010_02

Hot rolled strip product S355J2 / 1.0577
according to
EN 10025-2:2019
for bolted, welded and riveted structures.

SSAB
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101 20 Stockholm
SWEDEN
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Raahel 2015-06-09



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0045-CPR-0573
EN 10025-1:2004

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S355J2	Thickness	Tolerances for nominal width w				EN 10025-1:2004	
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		3,00 < t ≤ 4,00	± 0,25	± 0,28	± 0,30		± 0,31
		4,00 < t ≤ 5,00	± 0,28	± 0,30	± 0,32		± 0,33
		5,00 < t ≤ 6,00	± 0,30	± 0,32	± 0,33		± 0,36
		6,00 < t ≤ 8,00	± 0,33	± 0,35	± 0,36		± 0,40
		8,00 < t ≤ 10,00	± 0,37	± 0,38	± 0,39		± 0,46
		10,00 < t ≤ 12,50	± 0,40	± 0,41	± 0,43		± 0,49
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Width	Nominal width	Tolerances					
		Mill edges		Trimmed edges*			
	w	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		
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Length	Nominal length	Tolerances					
		Lower		Upper			
	l < 2 000	0		+10			
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Flatness	Nominal thickness	Tolerances					
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Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 25	-20	27
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.45	
Durability (chemical composition)	element	max %	
	C	0.20	
	Si	0.55	
	Mn	1.60	
	P	0.025	
	S	0.025	
	N		
	Cu	0.55	
	Ni	0.42	
	Cr	0.29	
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(according to UK CPR 2020 No 1359)

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