

EN 10 204-3.1 (2004)

A 80442 -001

19.01.2021

Tilaja Purchaser TIBNOR AB BOX 600 169 26 SOLNA SWEDEN	Tilausnro Order No. 46328127	Tilausvahvistus Order Confirmation 80442	Vastaanottaja Consignee IB ANDRESEN INDUSTRI VEJLE A/S JERNVEJ 12 7100 VEJLE DENMARK	Asiakkaan merkki Shipping mark 46328127-0075	Päivämäärä Date 19.01.2021	Valmistajan merkki Mark of the Manufacturer
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Todistus Certificate 31	Laivaus Shipping SILVAMAR	Laatumerkintä Quality Marking S355J2WPWEATHER	Tarkastajan leima Stamp of Inspector <i>Mxx</i>
Toimitustyyppi Delivery type TOTAL DELIVERY	Sulatus nro levy nro Cast No. Plate No. XXXXX XXX XX XXX	Toleranssit Tolerances EN 10051:2010	Vastaanottajan leima Stamp of Surveyor Muut leimaukset Other Stamps

Tuote Product
COILS
Laji Grade
SSAB WEATHERING 355/S355J2WP EN10025-5:2019
Laatuselvitys Quality Specifications
ATM.CORROSION-RESIST.STEEL

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
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HOT ROLLED STEEL MILL EDGE COILS

SI MAX 0.75%

110	3.00 X 1500	X 794000	1	28808	64324	031	031
110	3.00 X 1500	X 794000	1	28840	64324	021	041
110	3.00 X 1500	X 794000	1	28753	64324	041	041
110	3.00 X 1500	X 794000	1	28558	64327	031	031
110	3.00 X 1500	X 793000	1	28800	64327	041	031
110	3.00 X 1500	X 792000	1	28558	64328	031	031
110	3.00 X 1500	X 796000	1	28740	64328	011	041
110	3.00 X 1500	X 767000	1	27770	64328	041	041
110	3.00 X 1500	X 793000	1	28443	64329	011	011

SI MAX 0.75%

120	4.00 X 1500	X 481000	1	22918	62055	051	051
120	4.00 X 1500	X 533000	1	25779	64425	011	021
120	4.00 X 1500	X 594000	1	28458	64425	021	021
120	4.00 X 1500	X 594000	1	28478	64425	031	031
120	4.00 X 1500	X 592000	1	28520	64425	041	031
120	4.00 X 1500	X 592000	1	28338	64426	011	011
120	4.00 X 1500	X 594000	1	28540	64426	041	011
120	4.00 X 1500	X 593000	1	28398	64426	021	021
120	4.00 X 1500	X 592000	1	28480	64426	031	021

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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

Sulatus nro Cast No Schmelzen Nr. No de coulén № Плавки	Koe nro Test No Prüf Nr. Essai No № Пробы	Positio Item Pos. Poste Поз.	Cekv Ceq Caq Cég Cekv	Analyysi % Chemical composition % Chemisch Zusammensetzung % Composition Chimique % Анализ плавки % (*=ppm)											Päivämäärä Date Datum Date Дата			
				C	SI	MN	P	S	AL	V	CU	CR	NI	MO	19.01.2021			AMH
64324		110	.35	.077	.50	0.44	.102	.005	.025	.009	.300	0.81	0.17	.006				
64327		110	.34	.071	.50	0.43	.100	.003	.031	.010	.296	0.80	0.17	.008				
64328		110	.34	.076	.48	0.42	.096	.005	.029	.009	.290	0.80	0.17	.006				
64329		110	.34	.077	.49	0.42	.103	.005	.030	.010	.299	0.80	0.18	.005				
62055		120	.34	.068	.46	0.51	.086	.004	.030	.010	.296	0.75	0.17	.006				
64425		120	.34	.077	.50	0.41	.098	.005	.031	.008	.294	0.79	0.17	.006				
64426		120	.34	.072	.49	0.42	.107	.002	.030	.009	.310	0.80	0.18	.004				

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

Raahe Steel Works

Testaus ja tarkastus Testing and Inspection Испытание и контроль качества
Prüfung und Kontrolle Essais et Contrôle

Steel manufactured and supplied by Raahe Steel Works is free from radiation.
Производимая на металлургическом комбинате «Raahe Steel Works» и поставляемая
заказчику сталь не излучают радиации.

MINNA VALKAMA

Valtuutettu tarkastaja Authorized inspection representative Уполномоченный инспектор
Sachverständiger Inspector autorisé

Yhtiön nimi Company Name: SSAB Europe Oy Osoite Address: PL 93, P.O Box 93
Kotipaikka Registered Office: HÄMEENLINNA FIN-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. S031_02

Hot rolled strip product S355J2WP / 1.8946
according to
EN 10025-5:2019
for bolted, welded and riveted structures.

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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



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0045-CPR-0573

EN 10025-1:2004

Dop id: S031_02 EN 10025-5:2019		Performance				Harmonized technical specification	
S355J2WP	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	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	Longitudal min %	Transverse min %
	> 1.5 ≤ 2	16	14
	> 2 ≤ 2,5	17	15
	> 2,5 < 3	18	16
	≥ 3 ≤ 25	22	20
Impact strength	thickness mm	temperature, °C	min. energy, J
		-20	27
Weldability CEV	thickness mm	CEV max %	
	≤ 25	0.52	
Durability (chemical composition)	element	max %	
	C, max	0.12	
	Si, max	0.75	
	Mn, max	1.00	
	P	0.06-0.15	
	S, max	0.030	
	N, max		
	Cr	0.30-1.25	
	Cu	0.25-0,55	
	Ni, max	0.65	
Mo, max	0.30		
Zr, max	0.15		