

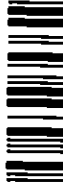
EN 10 204-3.1 (2004)

Tilaaja Purchaser KONTINO OY AB PL 27 01301 VANTAA FINLAND	Vastaanottaja Consignee OY KONTINO AB HAKINTIE 6 01380 VANTAA FINLAND	Päivämäärä Date 15.05.2017
Tilaus nro Order No. 1110603	Tilauksen vahvistus Order Confirmation 19561B	Valmistajan merkki Mark of the Manufacturer
Todistus Certificate 31	Laivaus Shipping	

Tuote Product HEAVY PLATES Laji Grade S355K2+N EN 10025-2:2004	Laatumerkintä Quality Marking S355K2 N	Tarkastajan leima Stamp of Inspector Mxx
Leitusevelitys Quality Specifications STEEL FOR GENERAL STRUCTURAL PURPOSES	Suatus nro levy nro Cast No. Plate No. XXXXX XXX XXX	Vastaanottajan leima Stamp of Surveyor
	Toleranssit Tolerances EN 10029:2010 CLASS A	Muut leimaukset Other Stamps

Technical terms of Delivery and/or Official Regulations

116129



Kontino Oy Ab

Positio Item	Mitat mm Dimensions mm	Merkki Mark	Kpl Pcs	Paino kg Weight kg	Suatus levy nro Cast plate No.	SP nro SP No	UT UT	MT MT
HOT ROLLED STEEL PLATES								
SI 0.15 - 0.25%, CEV MAX. 0.43%								
SURFACE CONDITION EN 10 163-2:2005 CLASS A3								
110	18.00 X 2000	X 6000 C187	4	6912	72319 041	042		
110	18.00 X 2000	X 6000	4	6912	72677 049	049		
SI 0.15 - 0.25%, CEV MAX. 0.43%								
SURFACE CONDITION EN 10 163-2:2005 CLASS A3								
130	20.00 X 2000	X 6000 C207	3	5760	72319 042	042		
130	20.00 X 2000	X 6000	3	5760	72319 049	042		
130	20.00 X 2000	X 6000	4	7680	72673 041	046		
130	20.00 X 2000	X 6000	4	7680	72673 046	046		

*** 22 40704

Raah Steel Works

Tarkastus ja tarkastus Testing and Inspection

Minna Valkama

MINNA VALKAMA
Valtuutettu tarkastaja Authorized Inspection representative
Yhtiön nimi Company Name: SSAB Europe Oy
Valmistaja Manufacturer: HÄMEEN LINJA

Osake Address: PL 93, P.O. Box 93
FIN-00101 NAARVI FIN FIN

Puhelin Telephone: 020 5911
020 5911 5011

Telekopio Telefax: 020 592 2736
020 592 2736

Y-tunnus Business ID: 2389445-7

Tämän todistuksen, 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.

Tilaaja / Purchaser
KONTINO OY AB
PL 27
01301 VANTAA FINLAND
Tilaus nro / Order No.
1110603

Vastaanottaja / Consignee
OY KONTINO AB
HAKINTIE 8
01380 VANTAA FINLAND
Asiakkaan merkki / Shipping mark
19561B

Päivämäärä / Date
15.05.2017
AET
Valmistajan merkki / Mark of the Manufacturer
A

Tilauksen vahvistus / Order Confirmation
19561B

Läp. Grade
S355K2+N

Laatuvaatimukset / Quality Specifications STEEL FOR GENERAL STRUCTURAL PURPOSES

Jatkuvavaltuuksia / Continuous casting
Oxygen steel, continuous casting
Fully killed, Fine grain practiced

Pos. Item	Sulatus, k. enä nro Cast. test No	T-jälä Cond	Vetokoe Tensile test										Tälväskoe Bend test			Huom Nb	Päästö Tempering °C							
			K2	°C	RP02 MPa	RT05 MPa	REL MPa	REH MPa	1	RM MPa	2	3	A %	50	80			200	REH / RM	RM : A5	1	2	3	Keskiaavo Average
110	72319	042	NR	11																				
																							</	

NR-NORMALIZING ROLLING

Pos. Item	Sulatus k.nä nro Cast. test No	Iskukoe Impact test	Sitkeamurtuma Ductile fracture					Erikoistestet Special tests			Huom Nb	Päästö Tempering °C	
			K3	°C	1	2	3	Keskiarvo Average	K4	°C			1
110	72319	042	111	-020	235	233	231						
110	72677	049	111	-020	96	147	134						
130	72319	042	111	-020	235	233	231						
130	72673	046	111	-020	204	190	193						

K3: 111=CH-VI/ISO-V(J), 10X10, TOP LONGIT. KV800

K3: 111=CH-VIISO-V(U), 10X10, TOP, LONGIT, KV800

Raahe Steel Works

Testaus ja tarkastus / Testing and Inspection

Minna Valkama

MINNA VALKAMA

Valtuutettu tarkastaja / Authorized inspection representative

Yrityksen nimi / Company Name
SSAB Europe Oy

Osoite / Address
PL 93, P.O. Box 93
FIN-00001 RAHKE

Puhelin / Telephone
020 5911

Telekopio / Telefax
020 592 2735

Yrityksen Business ID
2389445-7

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

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

DoP id. P011_01

Hot rolled Plate product S355K2 / 1.0596
according to
EN 10025-2:2004
for bolted, welded and riveted structures.

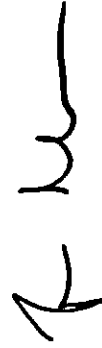
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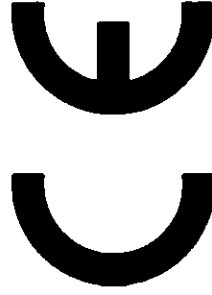
Assessment system and verification for constancy
of performance
System 2+

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 Mätkälä
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

Doc id: PD11_01		Performance		Harmonized technical specification
S355K2	Thickness	Tolerances on the nominal thickness (acc. EN 10029 Class A unless otherwise stated)		
Tolerances on dimensions and shapes.	Nominal thickness (mm)	Lower	Upper	EN 10025-1:2004
	3 ≤ t < 5	-0,3	+0,7	
	5 ≤ t < 8	-0,4	+0,8	
	8 ≤ t < 15	-0,5	+0,9	
	15 ≤ t < 25	-0,6	+1,0	
Thickness	25 ≤ t < 40	-0,7	+1,3	
	40 ≤ t < 80	-0,9	+1,7	
	80 ≤ t < 150	-1,1	+2,1	
	150 ≤ t < 250	-1,2	+2,4	

Width	Nominal thickness	Tolerances	
		Lower	Upper
	t < 40	0	+20
	40 ≤ t < 150	0	+25
	150 ≤ t ≤ 400	0	+30
Tolerances on width for plates with untrimmed edges (NK) shall be the subject of agreement between the manufacturer and purchaser at the time of enquiry and order			

Length	Nominal length l	Tolerances	
		Lower	Upper
	l < 4000	0	+20
	4000 ≤ l < 6000	0	+30
	6000 ≤ l < 8000	0	+40
	8000 ≤ l < 10 000	0	+50
	10 000 ≤ l < 15 000	0	+75
	15 000 ≤ l ≤ 20 000	0	+100
Tolerances on plates with nominal length l > 20 000 mm shall be agreed at the time of enquiry and order.			

Flatness	Nominal thickness t	Measuring length	
	t	1000	2000
	3 ≤ t < 5	9	14
	5 ≤ t < 8	8	12
	8 ≤ t < 15	7	11
	15 ≤ t < 25	7	10
	25 ≤ t < 40	6	9
	40 ≤ t < 250	5	8

Yield strength	thickness mm	min (Mpa)	
	≤ 16	355	
	> 16 ≤ 40	345	
	> 40 ≤ 63	335	
	> 63 ≤ 80	325	
	> 80 ≤ 100	315	
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	≥ 3 ≤ 100	470	630
	> 100 ≤ 150	450	600
	> 150 ≤ 250	450	600
Elongation	thickness mm	min %	
	≥ 3 ≤ 40	20	
	> 40 ≤ 63	19	
	> 63 ≤ 100	18	
	> 100 ≤ 150	18	
	> 150 ≤ 250	17	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 150	-20	40
	> 150 ≤ 250	-20	33
Weldability CEV	thickness mm	CEV max %	
	≤ 30	0,45	
	> 30 ≤ 40	0,47	
	> 40 ≤ 150	0,47	
	> 150 ≤ 250	0,49	
Durability (chemical composition)	element	Max	
	C	≤ 30	> 30
		0,20	0,22
	Si	0,55	
	Mn	1,60	
	P	0,025	
	S	0,025	
	N		
	Cu	0,55	

DISPATCH LIST/PACKING LIST

Number	Date	Loading order number
19561802	14.05.2017	13326
Customer's order		
1110603		

Consignee
OY KONTINO AB

HAKINTIE 6

01380 VANTAA FINLAND

Buyer
KONTINO OY AB

PL 27

01301 VANTAA FINLAND

Country of origin	Country of destination
FINLAND	FINLAND

Terms of delivery
DAP (INCOTERMS 2010)
HAKKILA

Mode of delivery
TRUCK

Final destination
HAKKILA

Marks and numbers

Number and description of goods	Weight
22 HOT ROLLED STEEL PLATES	40704 KG

PART DELIVERY

Invoicing weight
THEORETICAL

Item	Quality specification		Charge		Packages	Pcs	Weight kg
	HOT ROLLED STEEL PLATES						
	S355K2+N EN 10025-2:2004						
	C187						
110	18.00	2000	6000	72319 041		4	6912
				72677 049		4	6912
				*		8	13824
	C207						
130	20.00	2000	6000	72319 042		3	5760
				72319 049		3	5760
				72673 041		4	7680
				72673 046		4	7680
				*		14	26880
CONSIGNMENT TOTAL				***		22	40704
CN	ITEMS						
72085120	110 130						