

EN 10 204-3.1 (2004)

Tilaja Purchaser BE GROUP OY AB PL 54 15101 LAHTI FINLAND Tilaus nro Order No. P100975	Vastaanottaja Consignee BE GROUP OY AB PAAKARLANTIE 3 20240 TURKU FINLAND Asiakkaan merkki Shipping mark P100975	Päivämäärä Date 14.10.2022 Valmistajan merkki Mark of the Manufacturer
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Tuotus Certificate 31	Laatumerkintä Quality Marking MULTISTEEL SN	Tarkastajan leima Stamp of Inspector Mxx
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Toimitustyyppi Delivery type
PART DELIVERY

Tuote Product
HEAVY PLATES

Laji Grade
SSAB MULTISTEEL SN

Laatuseilytyyppi Quality Specifications
STEEL FOR GENERAL STRUCTURAL PURPOSES

Positio Item	Mitat mm Dimensions mm	Merkki Mark	Kpl Pcs	Paino kg Weight kg	Sulatus levy nro Cast plate No	SP nro SP No	UT UT	MT MT	Turvamerkki Safety mark
002	15.00 X 2000 X 6000	2100144135	4	5760	22939	042	031		
			***	4	5760				

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

SSAB EN 10029:2010 THICK. 3/4 CLASS A

FLANGEABILITY (C) ACC.TO STEEL GRADE SPEC.;CEV MAX 0.41%,SI 0.15-0.25%
FLATNESS MAX 3MM/M. .SURFACE CONDITION EN 10 163-2:2005 CLASS B3

Raahe Steel Works

Testaus ja tarkastus Testing and Inspection

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
FIN-92101 RAAHE, FINLAND

Puhelin Telephone: 020 5911
+358 20 5911

Y-tunnus Business ID: 2389445-7

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.

Tilaja Purchaser
BE GROUP OY AB
PL 54
15101 LAHTI FINLAND
Tilaus nro Order No.
P100975

Vastaanottaja Consignee
BE GROUP OY AB
PAAKARLANTIE 3
20240 TURKU FINLAND
Asiakkaan merkki Shipping mark
P100975

Päivämäärä Date
14.10.2022

Valmistajan merkki
Mark of the Manufacturer



Laji Grade
SSAB MULTISTEEL SN

Lisävaatimukset Additional requirements

Jatkuvavalettua happiterästä
Oxygen steel, continuous casting
Fully killed, Fine grain practiced

Laatuseilytykset Quality Specifications STEEL FOR GENERAL STRUCTURAL PURPOSES

Pos. Item	Sulatus k. erä nro Cast. test No	T-tila Cond	Vetokoe Tensile test	RP02 MPa			REL MPa	REH MPa	RM MPa	A %	RE / RM	RM * A5	RAZ %			Keskiarvo Average	Huom Nb	Päästö Tempering °C
				K2	°C	1							2	3	1			
002	22939	031	NR	11				432	544	28								
K2: 11=TOP, TRANSV.																		

NR=NORMALIZING ROLLING

Pos. Item	Sulatus k. erä nro Cast. test No	Isku koe Impact test	K3	°C	W (mm)			Keskiarvo Average	LE (mm)	*Specimen Unbroken			Erikoiskokeet Special tests	Huom Nb	Päästö Tempering °C
					1	2	3			Keskiarvo Average	K4	°C			
002	22939	031	111	-020	173	162	174	170							
			111	+000	193	184	187	188							
K3: 111=CH-VISO-V(J), 10X10; TOP, LONGIT, KV600															

FA = Sitkeämurtuman osuus Shear fracture appearance
LE = Poikittainen laajenema Lateral Expansion

Raahe Steel Works

Testaus ja tarkastus Testing and Inspection

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Valtuutettu tarkastaja Authorized inspection representative

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ANALYYSITODISTUS ANALYSIS CERTIFICATE
ANALYSEBESCHEINIGUNG COMPOSITIO CHIMIQUE CERTIFICAT

3/3
A 13633 -003 A
13.10.2022

Päivämäärä Date Datum Date
14.10.2022

VJS

(*-ppm)

Chemical composition % Zusammensetzung % Composition Chimique %

Analysi % Chemical composition % Zusammensetzung % Composition Chimique %

Cekv
Ceq
Ccaq
Cekv

Positio
Item
Pos.
Poste

Koe nro
Test No
Prüf Nr.
Essai No

Sulatus nro
Cast No
Schmelzen Nr.
No de coulée

002 .40 .151 .20 1.39 .016 .004 .041 .037 .011 .003 .017 0.05 0.04 .003 .004 .0000

22939

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

Minna

MINNA VALKAMA

Vaihtoehtoisu tarkastaja
Sachverständiger

Authorized inspection representative
Inspector autorisé

Yhtiön nimi Company Name: SSAB Europe Oy

Kotipaikka Registered Office: HAMPEENLINNA

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

Puhelin Telephone: 020 5911
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Y-tunnus Business ID: 2389445-7

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

EN 10 204-3.1 (2004)

Tilaja Purchaser BE GROUP OY AB PL 54 15101 LAHTI FINLAND	Vastaanottaja Consignee BE GROUP OY AB PAAKARLANTIE 3 20240 TURKU FINLAND	Päivämäärä Date 14.10.2022
Tilaus nro Order No. P100975	Tilauksen vahvistus Order Confirmation 13633	Valmistajan merkki Mark of the Manufacturer



Tuotus Certificate 31	Laatu-merkintä Quality Marking S355K2 N S355J2 N S355J0 N	Tarkastajan leima Stamp of Inspector Mxx
Toimitustyyppi Delivery type PART DELIVERY	S355JR N	Vastaanottajan leima Stamp of Surveyor
Tuote Product HEAVY PLATES	Sulatus nro levy nro Cast No. Plate No. X X X X X X X X X X X X X X X X	Muut leimaukset Other Stamps

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

SSAB EN 10029:2010 THICK. 3/4 CLASS A

Positio Item	Mitat mm Dimensions mm	Merkki Mark	Kpl Pcs	Paino kg Weight kg	Sulatus levy nro Cast plate No	SP nro SP No	UT UT	MT MT	Turvamerkki Safety mark
002	15.00 X 2000 X 6000	2100144135	4	5760	22939	042	031		

HOT ROLLED STEEL PLATES
FLANGEABILITY (C) ACC.TO STEEL GRADE SPEC.;CEV MAX 0.41%,SI 0.15-0.25%
FLATNESS MAX 3MM/M. .SURFACE CONDITION EN 10 163-2:2005 CLASS B3

*** 4 5760

Raahe Steel Works
Testaus ja tarkastus Testing and Inspection

Minna Valkama

MINNA VALKAMA
Valtuutettu tarkastaja Authorized inspection representative

Yhtiön nimi Company Name: SSAB Europe Oy
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Tilaaja Purchaser
BE GROUP OY AB
PL 54
15101 LAHTI FINLAND
Tilaus nro Order No.
P100975

Vastaanottaja Consignee
BE GROUP OY AB
PAAKARLANTIE 3
20240 TURKU FINLAND
Asiakkaan merkki Shipping mark
P100975

Päivämäärä Date
14.10.2022

Valmistajan merkki
Mark of the Manufacturer



Tilausvahvistus Order Confirmation
13633

Lisävaatimukset Additional requirements
Jatkuvavalettua happiterästä
Oxygen steel, continuous casting
Fully killed, Fine grain practiced

Laji Grade
S355K2/J2/J0/JR+N

Laatuseilytykset Quality Specifications
STEEL FOR GENERAL STRUCTURAL PURPOSES

Pos. Item	Sulatus k. erä nro Cast. test No	T-tila Cond	Vetokoe Tensile test	K2			K3	Isku koe Impact test	K4	°C	K5	D = X t	Huom Nb	Päästö Tempering °C
				RP02 MPa	RT05 MPa	REL MPa								
002	22939	031	NR	111	174	187	188	111	-020	173	162	174	170	
K2: 11=TOP, TRANSV.														

28

432 544

NR=NORMALIZING ROLLING

Pos. Item	Sulatus k. erä nro Cast. test No	Isku koe Impact test	K3	°C	K4	K5	Average	W (mm)	FA %	LE (mm)	*Specimen Unbroken	Erikoiskokeet Special tests	Huom Nb	Päästö Tempering °C
002	22939	031	111	-020	173	162	174	170						
K3: 111=CH-VISO-V(J), 10X10; TOP, LONGIT, KV600														

FA = Sitkeämurtuman osuus Shear fracture appearance

LE = Poikittainen laajenema Lateral Expansion

Raahe Steel Works

Testaus ja tarkastus Testing and Inspection

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Vaiuutettu tarkastaja Authorized inspection representative

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Y-tunnus Business ID: 2389445-7

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ANALYYSITODISTUS ANALYSIS CERTIFICATE
ANALYSEBESCHEINIGUNG COMPOSITIO CHIMIQUE CERTIFICAT

3/3
A 13633 -003 B
13.10.2022

Sulatus nro Cast No Schmelzen Nr. No de coulén	Koe nro Test No Prüf Nr. Essai No	Positio Item Pos. Poste	Cekv Ceq Ceq Ceq Cekv	Analyyisi % Chemical composition % Chimisch Zusammensetzung % Composition Chimique %	(*-ppm)												
C	SI	MN	P	S	AL	NB	V	TI	CU	CR	NI	MO	N	B			
22939	002	.40	.151	.20	1.39	.016	.004	.041	.037	.011	.003	.017	0.05	0.04	.003	.004	.0000

Päivämäärä Date Datum Date
14.10.2022

VJS

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

Raahe Steel Works

Testaus ja tarkastus
Prüfung und Kontrolle

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

MINNA VALKAMA

Vaihtuettu tarkastaja
Sachverständiger

Authorized inspection representative
Inspector autorisé

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

Osoite Address: PL 93, P.O Box 93
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Puhelin Telephone: 020 5911
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Y-tunnus Business ID: 2389445-7

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

DoP id. P011_02

Hot rolled Plate product S355K2 / 1.0596
according to
EN 10025-2:2019
for bolted, welded and riveted structures.

SSAB
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Website: ssab.com

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Germany
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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

CE

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0045-CPR-0573
EN 10025-1:2004

Dop id: P011_02	EN 10025-2:2019	Performance	Harmonized technical specification
S355K2	Thickness	Tolerances on the nominal thickness (acc. EN 10029 Class A unless otherwise stated)	EN 10025-1:2004
Tolerances on dimensions and shapes.	Nominal thickness (mm)	Lower	Upper
	$3 \leq t < 5$	-0,3	+0,7
	$5 \leq t < 8$	-0,4	+0,8
	$8 \leq t < 15$	-0,5	+0,9
	$15 \leq t < 25$	-0,6	+1,0
	$25 \leq t < 40$	-0,7	+1,3
	$40 \leq t < 80$	-0,9	+1,7
Thickness	$80 \leq t < 150$	-1,1	+2,1
	$150 \leq t < 250$	-1,2	+2,4
Width	Nominal thickness	Tolerances	
		Lower	Upper
	$t < 40$	0	+20
	$40 \leq t < 150$	0	+25
	$150 \leq t < 400$	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	Tolerances	
	l	Lower	Upper
	$l < 4000$	0	+20
	$4000 \leq l < 6000$	0	+30
	$6000 \leq l < 8000$	0	+40
	$8000 \leq l < 10\ 000$	0	+50
	$10\ 000 \leq l < 15\ 000$	0	+75
$15\ 000 \leq l < 20\ 000$	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	
		1000	2000
	$3 \leq t < 5$	9	14
	$5 \leq t < 8$	8	12
	$8 \leq t < 15$	7	11
	$15 \leq t < 25$	7	10
	$25 \leq t < 40$	6	9
	$40 \leq t < 250$	5	8

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	355	
	$> 16 \leq 40$	345	
	$> 40 \leq 63$	335	
	$> 63 \leq 80$	325	
	$> 80 \leq 100$	315	
	$> 100 \leq 150$	295	
	$> 150 \leq 200$	285	
	$> 200 \leq 250$	275	
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	$\geq 3 \leq 100$	470	630
	$> 100 \leq 150$	450	600
	$> 150 \leq 250$	450	600
Elongation	thickness mm	min %	max %
	$\geq 3 \leq 40$	20	
	$> 40 \leq 63$	19	
	$> 63 \leq 100$	18	
	$> 100 \leq 150$	18	
	$> 150 \leq 250$	17	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 150	-20	40
	$> 150 \leq 250$	-20	33
Weldability CEV	thickness mm	CEV max %	
	≤ 30	0,45	
	$> 30 \leq 40$	0,47	
	$> 40 \leq 150$	0,47	
	$> 150 \leq 250$	0,49	
Durability (chemical composition)	element	Value	
	C, max	≤ 30	> 30
	Si, max	0,20	0,22
	Mn, max		1,60
	P, max	0,025	
	S, max	0,025	
	N, max		0,55
	Cu, max		0,55
	Ni, max		0,42
	Cr, max		0,29
	Mo, max		0,11

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

DoP id. P010_02

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

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Assessment system and verification for constancy
of performance
System 2+

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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

CE

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0045-CPR-0573
EN 10025-1:2004

Dop id: P010_02	EN 10025-2:2019	EN 10025-2:2019	Performance	Harmonized technical specification
S355J2	Thickness	Tolerances on the nominal thickness (acc. EN 10029 Class A unless otherwise stated)		EN 10025-1:2004
Tolerances on dimensions and shapes.	Nominal thickness (mm)	Lower	Upper	
	$3 \leq t < 5$	-0,3	+0,7	
	$5 \leq t < 8$	-0,4	+0,8	
	$8 \leq t < 15$	-0,5	+0,9	
	$15 \leq t < 25$	-0,6	+1,0	
	$25 \leq t < 40$	-0,7	+1,3	
	$40 \leq t < 80$	-0,9	+1,7	
	$80 \leq t < 150$	-1,1	+2,1	
	$150 \leq t < 250$	-1,2	+2,4	
	Width	Nominal thickness	Tolerances	
$t < 40$		Lower	Upper	
$40 \leq t < 150$		0	+25	
$150 \leq t < 400$		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	Tolerances		
	l	Lower	Upper	
	$l < 4000$	0	+20	
	$4000 \leq l < 6000$	0	+30	
	$6000 \leq l < 8000$	0	+40	
	$8000 \leq l < 10\ 000$	0	+50	
	$10\ 000 \leq l < 15\ 000$	0	+75	
$15\ 000 \leq l < 20\ 000$	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	
	$3 \leq t < 5$	9	14	
	$5 \leq t < 8$	8	12	
	$8 \leq t < 15$	7	11	
	$15 \leq t < 25$	7	10	
	$25 \leq t < 40$	6	9	
$40 \leq t < 250$	5	8		

Yield strength	thickness mm	min (Mpa)	
	≤ 16	355	
	$> 16 \leq 40$	345	
	$> 40 \leq 63$	335	
	$> 63 \leq 80$	325	
	$> 80 \leq 100$	315	
	$> 100 \leq 150$	295	
$> 150 \leq 200$	285		
$> 200 \leq 250$	275		
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	$\geq 3 \leq 100$	470	630
	$> 100 \leq 150$	450	600
	$> 150 \leq 250$	450	600
Elongation	thickness mm	min %	
	$\geq 3 \leq 40$	20	
	$> 40 \leq 63$	19	
	$> 63 \leq 100$	18	
	$> 100 \leq 150$	18	
$> 150 \leq 250$	17		
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 150	-20	27
	$> 150 \leq 250$	-20	27
Weldability CEV	thickness mm	CEV max %	
	≤ 30	0,45	
	$> 30 \leq 40$	0,47	
	$> 40 \leq 150$	0,47	
	$> 150 \leq 250$	0,49	
Durability (chemical composition)	element	Value	
	C, max	≤ 30	> 30
	Si, max	0,20	0,22
	Mn, max	1,60	
	P, max	0,025	
	S, max	0,025	
	N, max	0,55	
	Cu, max	0,55	
	Ni, max	0,42	
	Cr, max	0,29	
Mo, max	0,11		

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

DoP id. P009_02

Hot rolled Plate product S355J0 / 1.0553
according to
EN 10025-2:2019
for bolted, welded and riveted structures.

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Assessment system and verification for constancy
of performance

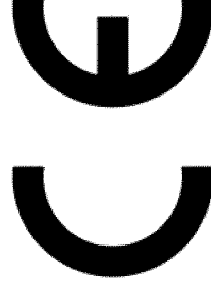
System 2+

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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, Raahе Steelworks
Raahе 2015-06-09



05

0045-CPR-0573
EN 10025-1:2004

Dop id: P009_02	EN 10025-2:2019	EN 10025-2:2019	Performance	Harmonized technical specification
S355J0	Thickness	Tolerances on the nominal thickness (acc. EN 10029 Class A unless otherwise stated)		EN 10025-1:2004
Tolerances on dimensions and shapes.	Nominal thickness (mm)	Lower	Upper	
		$3 \leq t < 5$	+0,7	
		$5 \leq t < 8$	+0,8	
		$8 \leq t < 15$	+0,9	
		$15 \leq t < 25$	+1,0	
		$25 \leq t < 40$	+1,3	
		$40 \leq t < 80$	+1,7	
		$80 \leq t < 150$	+2,1	
		$150 \leq t < 250$	+2,4	
		Width	Nominal thickness	Tolerances
Lower	Upper			
$t < 40$	+20			
$40 \leq t < 150$	+25			
$150 \leq t < 400$	+30			
Length	Nominal length <i>l</i>	Tolerances		
		Lower	Upper	
		$l < 4000$	+20	
		$4000 \leq l < 6000$	+30	
		$6000 \leq l < 8000$	+40	
		$8000 \leq l < 10\ 000$	+50	
		$10\ 000 \leq l < 15\ 000$	+75	
		$15\ 000 \leq l < 20\ 000$	+100	
		Tolerances on plates with nominal length $l > 20\ 000$ mm shall be agreed at the time of enquiry and order.		
		Flatness	Nominal thickness <i>t</i>	Measuring length
1000	2000			
$3 \leq t < 5$	14			
$5 \leq t < 8$	12			
$8 \leq t < 15$	11			
$15 \leq t < 25$	10			
$25 \leq t < 40$	9			
$40 \leq t < 250$	8			

Yield strength	thickness mm	min (Mpa)	max (Mpa)
	≤ 16	355	
	$> 16 \leq 40$	345	
	$> 40 \leq 63$	335	
	$> 63 \leq 80$	325	
	$> 80 \leq 100$	315	
	$> 100 \leq 150$	295	
	$> 150 \leq 200$	285	
	$> 200 \leq 250$	275	
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	$\geq 3 \leq 100$	470	630
	$> 100 \leq 150$	450	600
	$> 150 \leq 250$	450	600
Elongation	thickness mm	min %	max %
	$\geq 3 \leq 40$	20	
	$> 40 \leq 63$	19	
	$> 63 \leq 100$	18	
	$> 100 \leq 150$	18	
	$> 150 \leq 250$	17	
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 150	0	27
	$> 150 \leq 250$	0	27
Weldability CEV	thickness mm	CEV max %	
	≤ 30	0,45	
	$> 30 \leq 40$	0,47	
	$> 40 \leq 150$	0,47	
	$> 150 \leq 250$	0,49	
Durability (chemical composition)	element	Value	
	C, max	≤ 30	> 30
	P, max	0,20	0,22
	Si, max		0,55
	Mn, max		1,60
	P, max	0,030	
	S, max	0,030	
	N, max	0,012	
	Cu, max	0,55	
	Ni, max	0,42	
	Cr, max	0,29	
	Mo, max	0,11	

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

DoP id. P008_02

Hot rolled Plate product S355JR / 1.0045
according to
EN 10025-2:2019
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

CE

05

0045-CPR-0573
EN 10025-1:2004

Dop id: P008_02	EN 10025-2:2019	EN 10025-2:2019	Performance	Harmonized technical specification
S355JR	Thickness	Tolerances on the nominal thickness (acc. EN 10029 Class A unless otherwise stated)		EN 10025-1:2004
Tolerances on dimensions and shapes.	Nominal thickness (mm)	Lower	Upper	
		$3 \leq t < 5$	+0,7	
		$5 \leq t < 8$	+0,8	
		$8 \leq t < 15$	+0,9	
		$15 \leq t < 25$	+1,0	
		$25 \leq t < 40$	+1,3	
		$40 \leq t < 80$	+1,7	
		$80 \leq t < 150$	+2,1	
		$150 \leq t < 250$	+2,4	
		Width	Nominal thickness	Tolerances
Lower	Upper			
$t < 40$	0			
$40 \leq t < 150$	+25			
$150 \leq t < 400$	+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	Tolerances		
		Lower	Upper	
		$l < 4000$	+20	
		$4000 \leq l < 6000$	+30	
		$6000 \leq l < 8000$	+40	
		$8000 \leq l < 10\ 000$	+50	
		$10\ 000 \leq l < 15\ 000$	+75	
$15\ 000 \leq l < 20\ 000$	+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	2000	
		$3 \leq t < 5$	14	
		$5 \leq t < 8$	12	
		$8 \leq t < 15$	11	
		$15 \leq t < 25$	10	
		$25 \leq t < 40$	9	
$40 \leq t < 250$	8			

Yield strength	thickness mm	min (Mpa)	
	≤ 16	355	
	$> 16 \leq 40$	345	
	$> 40 \leq 63$	335	
	$> 63 \leq 80$	325	
	$> 80 \leq 100$	315	
	$> 100 \leq 150$	295	
$> 150 \leq 200$	285		
$> 200 \leq 250$	275		
Tensile strength	thickness mm	min (Mpa)	max (Mpa)
	< 3	510	680
	$\geq 3 \leq 100$	470	630
	$> 100 \leq 150$	450	600
	$> 150 \leq 250$	450	600
Elongation	thickness mm	min %	
	$\geq 3 \leq 40$	20	
	$> 40 \leq 63$	19	
	$> 63 \leq 100$	18	
	$> 100 \leq 150$	18	
$> 150 \leq 250$	17		
Impact strength	thickness mm	temperature, °C	min. energy, J
	≤ 150	20	27
$> 150 \leq 250$	20	27	
Weldability CEV	thickness mm	CEV max %	
	≤ 30	0,45	
	$> 30 \leq 40$	0,47	
	$> 40 \leq 150$	0,47	
$> 150 \leq 250$	0,49		
Durability (chemical composition)	element	Value	
	C, max	0,24	
	Si, max	0,55	
	Mn, max	1,60	
	P, max	0,035	
	S, max	0,035	
	N, max	0,012	
	Cu, max	0,55	
	Ni, max	0,42	
	Cr, max	0,29	
Mo, max	0,11		