



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Material requirements and customer information

Product: (B01) Plate

Steel standard and grade: (B02) EN10025-2:2019 S355K2+N

Surface tolerance: EN 10163-2 B3

Delivery condition: (B04) Furnace normalized (N)

Length tolerance: EN 10029 Table 3

Customer name and address (A06)

Certificate address

Width tolerance: EN 10029 Table 2

4102001

CERTIFICATES@BEGROUP.FI;

Thickness tolerance: EN 10029 Class A

BE Group Oy AB

Finland

Flatness tolerance: EN 10029 Table 4 Class N

BOX 54

Finland

15101 LAHTI

Finland

Flatness tolerance: EN 10029 Table 4 Class N

Finland

Finland

CERTIFICATES@BEGROUP.FI;Anu.Heinikainen@begroup.fi;v.koiro@eu.nlmk.com

### Supplementary information: (C04)

Fully Killed and Fine Grain

flatness – class S for thicknesses above 40mm and aiming for S for thicknesses under 40mm

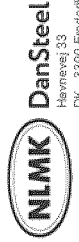
Plates <= 25mm are Normalised at 900°C for 3 minutes.

Plates > 25mm are Normalised at 900°C for 5 minutes.

Visual examination and dimensional checking: Satisfactory. The results of tests performed are in compliance with the requirements. (Z01)

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location (B99)	Customer remark
6581914	2292S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F3	2322S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F1	2323S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B3	2327S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F2	2332S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B2	2359S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B1	2437S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65821F3	2455S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65821F2	2458S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location	Customer remark (B99)
65821F1	2460S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65803D1	2859S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65813D2	2916S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808F4	2975S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808D4	2980S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808B1	2984S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65765B4	1066S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65819G1	2469S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65811A4	2595S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65771D4	1230S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65764J4	1438S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65819B4	2336S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65803F2	2380S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65803F1	2381S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65811C4	2420S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B3	2540S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B2	2572S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B1	2575S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65819D3	2302S	13	25.0	1500	3000	10	8 830	S355K2+N	Head	P110606
65819A3	2119S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819E3	2126S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C3	2136S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C2	2176S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C1	2180S	14	25.0	2000	6000	1	2 355	S355K2+N	Head	P110606
65816J4	2255S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819F4	2329S	14	25.0	2000	6000	1	2 355	S355K2+N	Head	P110606
65813H2	2417S	14	25.0	2000	6000	4	9 420	S355K2+N	Head	P110606



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zilbrandt Greisen

Z. Svendsen



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location	Customer remark (B99)	
65811C2	2423S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606	
65816D1	2429S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606	
65812G1	2352S	15	30.0	1500	3000	10	10 600	S355K2+N	Head	P110606	
65772A3	2019S	16	30.0	2000	6000	3	8 478	S355K2+N	Head	P110606	
65811D4	2287S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65811D3	2340S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J3	2341S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65811D2	2344S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J2	2345S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J1	2347S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65805D3	2388S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65805D1	2415S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65817F3	2523S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65817F1	2535S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65817H2	2577S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65803A5	2591S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65817J1	2633S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
							115	327 822			



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



Europe – Plate

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(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Chemical composition (heat analysis) all results in %

Heat No. (B07)	C	Mn	Si	P	S	Cr	Cu	Ni	Mo	Al	Nb	V	Ti	N	B
	0.20	1.60	0.25	0.025	0.025	0.290	0.400	0.400	0.080	0.100	0.060	0.100	0.050	0.0120	0.0008
			0.15							0.020					
65764	0.17	1.51	0.20	0.012	0.004	0.049	0.024	0.020	0.002	0.035	0.041	0.002	0.002	0.0044	0.0002
65765	0.17	1.49	0.24	0.013	0.004	0.029	0.030	0.020	0.001	0.033	0.044	0.002	0.002	0.0039	0.0002
65771	0.17	1.48	0.19	0.009	0.009	0.044	0.031	0.030	0.003	0.038	0.044	0.001	0.002	0.0047	0.0001
65772	0.17	1.47	0.21	0.008	0.011	0.025	0.013	0.011	0.002	0.034	0.043	0.001	0.002	0.0049	0.0002
65803	0.17	1.49	0.22	0.013	0.002	0.039	0.038	0.029	0.003	0.038	0.042	0.002	0.002	0.0046	0.0002
65805	0.17	1.49	0.22	0.017	0.006	0.019	0.012	0.008	0.001	0.050	0.043	0.001	0.002	0.0044	0.0002
65808	0.17	1.48	0.22	0.018	0.008	0.030	0.025	0.016	0.001	0.036	0.042	0.001	0.002	0.0043	0.0002
65811	0.17	1.51	0.22	0.013	0.003	0.029	0.019	0.016	0.001	0.043	0.044	0.001	0.002	0.0036	0.0002
65812	0.18	1.50	0.24	0.011	0.002	0.025	0.022	0.012	0.001	0.035	0.041	0.001	0.002	0.0039	0.0002
65813	0.17	1.49	0.21	0.012	0.002	0.022	0.010	0.009	0.002	0.043	0.045	0.001	0.002	0.0034	0.0002
65815	0.14	1.45	0.18	0.009	0.004	0.025	0.018	0.014	0.001	0.047	0.042	0.001	0.003	0.0035	0.0001
65816	0.15	1.47	0.19	0.015	0.001	0.023	0.025	0.014	0.001	0.040	0.044	0.002	0.002	0.0036	0.0001
65817	0.15	1.47	0.18	0.015	0.004	0.033	0.015	0.010	0.001	0.043	0.044	0.002	0.003	0.0043	0.0001
65819	0.15	1.48	0.19	0.008	0.004	0.016	0.013	0.010	0.001	0.044	0.044	0.001	0.003	0.0036	0.0001
65821	0.15	1.46	0.19	0.013	0.003	0.022	0.012	0.010	0.001	0.028	0.042	0.002	0.002	0.0033	0.0001

Heat No. (B07) CEV

Remark (C70)

Set values: min. max. 0.45

65764	0.43	1 3 4 6
65765	0.43	1 3 4 6
65771	0.43	1 3 4 6
65772	0.42	1 3 4 6
65803	0.43	1 3 4 6
65805	0.43	1 3 4 6
65808	0.42	1 3 4 6
65811	0.43	1 3 4 6



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Svendsen



Europe – Plate

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EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	min.	max.	Remark (C70)
65812	0.43		0.45	1 3 4 6
65813	0.42		0.45	1 3 4 6
65815	0.39		0.45	1 3 4 5 6
65816	0.41		0.45	1 3 4 6
65817	0.40		0.45	1 3 4 5 6
65819	0.40		0.45	1 3 4 6
65821	0.40		0.45	1 3 4 6

### Supplementary information (C99)

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

1 = Basic Oxygen Steel, 2 = Electric Arc Furnace, 3 = Ladle Refined, 4 = Calcium Treated, 5 = Vacuum Degassed, 6 = Continuous Cast, 7 = Ingot



DanSteel

Havnvej 33

DK - 3300 Fredrikssønder

(A01)



(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Svendsen



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

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Date of creation: (Z02) 19.03.2024  
Certificate No.: (A03) 206555

Our order No.: (A08) 3132292 Your order No.: (A07) P110606 Order registration date: 12.12.2023 Date of dispatch: 19.03.2024 B

## Tensile testing Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65765B4	1066S-1-1	16.0	R	H	T	406	REH	540	A5	31	0.75
65765B4	1066S-2-1	16.0	R	H	T	406	REH	540	A5	31	0.75
65771D4	1230S-1-1	20.0	R	H	T	359	REH	523	A5	31	0.69
65771D4	1230S-2-1	20.0	R	H	T	359	REH	523	A5	31	0.69
65764J4	1438S-1-1	20.0	R	H	T	382	REH	535	A5	29	0.71
65772A3	2019S-1-1	30.0	R	H	T	363	R02	517	A5	28	0.70
65772A3	2019S-1-2	30.0	R	H	T	363	R02	517	A5	28	0.70
65772A3	2019S-1-3	30.0	R	H	T	363	R02	517	A5	28	0.70
65819A3	2119S-1-1	25.0	R	H	T	359	R02	511	A5	33	0.70
65819A3	2119S-2-1	25.0	R	H	T	359	R02	511	A5	33	0.70
65819E3	2126S-1-1	25.0	R	H	T	357	R02	511	A5	30	0.70
65819E3	2126S-2-1	25.0	R	H	T	357	R02	511	A5	30	0.70
65819C3	2136S-1-1	25.0	R	H	T	362	REH	515	A5	32	0.70
65819C3	2136S-2-1	25.0	R	H	T	360	REH	507	A5	32	0.71
65819C2	2176S-1-1	25.0	R	H	T	359	REH	510	A5	32	0.70
65819C2	2176S-2-1	25.0	R	H	T	359	REH	510	A5	32	0.70
65819C1	2180S-1-1	25.0	R	H	T	366	R02	511	A5	32	0.72
65816J4	2255S-1-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65816J4	2255S-1-2	25.0	R	H	T	357	REH	514	A5	31	0.69
65811D4	2287S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D4	2287S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65819I4	2292S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819I4	2292S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819D3	2302S-1-1	25.0	R	H	T	360	REH	507	A5	32	0.71
65819D3	2302S-1-10	25.0	R	H	T	366	R02	511	A5	32	0.72



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65819D3	2302S-1-2	25.0	R	H	T	360	REH	507	A5	32	0.71
65819D3	2302S-1-3	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-4	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-5	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-6	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-7	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-8	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-9	25.0	R	H	T	366	R02	511	A5	32	0.72
65819F3	2322S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F3	2322S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F1	2323S-1-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819F1	2323S-2-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819B3	2327S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B3	2327S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F4	2329S-1-1	25.0	R	H	T	366	R02	511	A5	32	0.72
65819F2	2332S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F2	2332S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B4	2336S-1-1	20.0	R	H	T	360	REH	507	A5	32	0.71
65811D3	2340S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D3	2340S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65771J3	2341S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J3	2341S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65811D2	2344S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D2	2344S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65771J2	2345S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

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Z. Swain



Europe – Plate

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(A02)

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19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65771J2	2345S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J1	2347S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J1	2347S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65812G1	2352S-1-1	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-10	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-2	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-3	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-4	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-5	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-6	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-7	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-8	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-9	30.0	R	H	T	392	REH	537	A5	31	0.73
65819B2	2359S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B2	2359S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65803F2	2380S-2-1	20.0	R	H	T	403	REH	545	A5	30	0.74
65803F1	2381S-1-1	20.0	R	H	T	398	REH	538	A5	31	0.74
65803F1	2381S-2-1	20.0	R	H	T	398	REH	538	A5	31	0.74
65805D3	2388S-1-2	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D3	2388S-1-3	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D1	2415S-1-2	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D1	2415S-1-3	30.0	R	H	T	372	R02	535	A5	30	0.70
65813H2	2417S-1-1	25.0	R	H	T	388	R02	542	A5	30	0.72
65813H2	2417S-1-2	25.0	R	H	T	388	R02	542	A5	30	0.72
65813H2	2417S-2-1	25.0	R	H	T	388	R02	542	A5	30	0.72



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin





Europe – Plate

# Inspection Certificate

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Date of creation: (Z02) 19.03.2024  
Certificate No.: (A03) 206555

Our order No.: (A08) 3132292    Your order No.: (A07) P110606    Order registration date: 12.12.2023    Date of dispatch: 19.03.2024    B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65813H2	2417S-2-2	25.0	R	H	T	388	R02	542	A5	30	0.72
65811C4	2420S-1-1	20.0	R	H	T	383	R02	541	A5	28	0.71
65811C4	2420S-2-1	20.0	R	H	T	383	R02	541	A5	28	0.71
65811C2	2423S-1-1	25.0	R	H	T	383	R02	541	A5	28	0.71
65811C2	2423S-2-1	25.0	R	H	T	383	R02	541	A5	28	0.71
65816D1	2429S-1-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65816D1	2429S-2-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65819B1	2437S-1-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819B1	2437S-2-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65821F3	2455S-1-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F3	2455S-2-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F2	2458S-1-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F2	2458S-2-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F1	2460S-1-1	15.0	R	H	T	379	REH	512	A5	34	0.74
65821F1	2460S-2-1	15.0	R	H	T	379	REH	512	A5	34	0.74
65819G1	2469S-1-1	16.0	R	H	T	379	REH	505	A5	23	0.75
65819G1	2469S-2-1	16.0	R	H	T	379	REH	505	A5	23	0.75
65817F3	2523S-1-1	30.0	R	H	T	356	REH	505	A5	30	0.70
65817F1	2535S-1-1	30.0	R	H	T	356	REH	505	A5	30	0.70
65815B3	2540S-1-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B3	2540S-2-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B2	2572S-1-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B2	2572S-2-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B1	2575S-1-1	20.0	R	H	T	370	REH	506	A5	35	0.73
65817H2	2577S-1-1	30.0	R	H	T	370	REH	506	A5	32	0.73



(A01)

(A04)



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Europe – Plate

# Inspection Certificate

(A02)

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65803A5	2591S-1-1	30.0	R	H	T	403	REH	545	A5	30	0.74
65803A5	2591S-1-2	30.0	R	H	T	403	REH	545	A5	30	0.74
65811A4	2595S-1-1	16.0	R	H	T	382	REH	534	A5	32	0.72
65811A4	2595S-2-1	16.0	R	H	T	382	REH	534	A5	32	0.72
65817J1	2633S-1-2	30.0	R	H	T	370	REH	506	A5	32	0.73
65803D1	2859S-1-1	15.0	R	H	T	415	REH	547	A5	31	0.76
65803D1	2859S-2-1	15.0	R	H	T	415	REH	547	A5	31	0.76
65813D2	2916S-1-1	15.0	R	H	T	419	REH	545	A5	32	0.77
65813D2	2916S-2-1	15.0	R	H	T	419	REH	545	A5	32	0.77
65808F4	2975S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808F4	2975S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808D4	2980S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808D4	2980S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808B1	2984S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808B1	2984S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74

### Supplementary Information (C99)

Loc.: (C01) H = head, T = tail

Dir.: (C02) T = transversal, L = longitudinal

Shape: (C10) Ø = round, R = rectangular

Original gauge length: 200 mm



DanSteel

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(A01)



(A04)

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Z. Svendsen



Europe – Plate

# Inspection Certificate

(A02)

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65765B4	1066S-1-1	1	CV	10x10	H	L	-20	172	247	225	215		
65765B4	1066S-2-1	1	CV	10x10	H	L	-20	172	247	225	215		
65771D4	1230S-1-1	1	CV	10x10	H	L	-20	199	200	172	190		
65771D4	1230S-2-1	1	CV	10x10	H	L	-20	199	200	172	190		
65764J4	1438S-1-1	1	CV	10x10	H	L	-20	242	254	247	248		
65772A3	2019S-1-1	1	CV	10x10	H	L	-20	145	177	195	172		
65772A3	2019S-1-2	1	CV	10x10	H	L	-20	145	177	195	172		
65772A3	2019S-1-3	1	CV	10x10	H	L	-20	145	177	195	172		
65819A3	2119S-1-1	1	CV	10x10	H	L	-20	256	221	251	243		
65819A3	2119S-2-1	1	CV	10x10	H	L	-20	256	221	251	243		
65819E3	2126S-1-1	1	CV	10x10	H	L	-20	258	227	252	246		
65819E3	2126S-2-1	1	CV	10x10	H	L	-20	258	227	252	246		
65819C3	2136S-1-1	1	CV	10x10	H	L	-20	243	253	243	246		
65819C3	2136S-2-1	1	CV	10x10	H	L	-20	265	249	256	257		
65819C2	2176S-1-1	1	CV	10x10	H	L	-20	256	245	253	251		
65819C2	2176S-2-1	1	CV	10x10	H	L	-20	256	245	253	251		
65819C1	2180S-1-1	1	CV	10x10	H	L	-20	251	250	262	254		
65816J4	2255S-1-1	1	CV	10x10	H	L	-20	263	251	252	255		
65816J4	2255S-1-2	1	CV	10x10	H	L	-20	263	251	252	255		
65811D4	2287S-1-2	1	CV	10x10	H	L	-20	246	221	238	235		
65811D4	2287S-1-3	1	CV	10x10	H	L	-20	246	221	238	235		
65819I4	2292S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819I4	2292S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819D3	2302S-1-1	1	CV	10x10	H	L	-20	265	249	256	257		
65819D3	2302S-1-10	1	CV	10x10	H	L	-20	251	250	262	254		



(A01)

(A04)



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# Inspection Certificate

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19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65819D3	2302S-1-2	1	CV	10x10	H	L	-20	265	249	256	257		
65819D3	2302S-1-3	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-4	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-5	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-6	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-7	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-8	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-9	1	CV	10x10	H	L	-20	251	250	262	254		
65819F3	2322S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F3	2322S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F1	2323S-1-1	1	CV	10x10	H	L	-20	261	269	268	266		
65819F1	2323S-2-1	1	CV	10x10	H	L	-20	261	269	268	266		
65819B3	2327S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B3	2327S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F4	2329S-1-1	1	CV	10x10	H	L	-20	251	250	262	254		
65819F2	2332S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F2	2332S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B4	2336S-1-1	1	CV	10x10	H	L	-20	265	249	256	257		
65811D3	2340S-1-2	1	CV	10x10	H	L	-20	246	221	238	235		
65811D3	2340S-1-3	1	CV	10x10	H	L	-20	246	221	238	235		
65771J3	2341S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		
65771J3	2341S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65811D2	2344S-1-2	1	CV	10x10	H	L	-20	246	221	238	235		
65811D2	2344S-1-3	1	CV	10x10	H	L	-20	246	221	238	235		
65771J2	2345S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		



(A01)

(A04)



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Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65771J2	2345S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65771J1	2347S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		
65771J1	2347S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65812G1	2352S-1-1	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-10	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-2	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-3	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-4	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-5	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-6	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-7	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-8	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-9	1	CV	10x10	H	L	-20	244	237	195	225		
65819B2	2359S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B2	2359S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65803F2	2380S-2-1	1	CV	10x10	H	L	-20	241	236	245	241		
65803F1	2381S-1-1	1	CV	10x10	H	L	-20	136	235	238	203		
65803F1	2381S-2-1	1	CV	10x10	H	L	-20	136	235	238	203		
65805D3	2388S-1-2	1	CV	10x10	H	L	-20	173	182	224	193		
65805D3	2388S-1-3	1	CV	10x10	H	L	-20	173	182	224	193		
65805D1	2415S-1-2	1	CV	10x10	H	L	-20	173	182	224	193		
65805D1	2415S-1-3	1	CV	10x10	H	L	-20	173	182	224	193		
65813H2	2417S-1-1	1	CV	10x10	H	L	-20	234	246	242	241		
65813H2	2417S-1-2	1	CV	10x10	H	L	-20	234	246	242	241		
65813H2	2417S-2-1	1	CV	10x10	H	L	-20	234	246	242	241		



(A01)

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Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65813H2	2417S-2-2	1	CV	10x10	H	L	-20	234	246	246	242	241	241
65811C4	2420S-1-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C4	2420S-2-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C2	2423S-1-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C2	2423S-2-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65816D1	2429S-1-1	1	CV	10x10	H	L	-20	263	251	251	252	255	255
65816D1	2429S-2-1	1	CV	10x10	H	L	-20	263	251	251	252	255	255
65819B1	2437S-1-1	1	CV	10x10	H	L	-20	261	269	269	268	266	266
65819B1	2437S-2-1	1	CV	10x10	H	L	-20	261	269	269	268	266	266
65821F3	2455S-1-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F3	2455S-2-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F2	2458S-1-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F2	2458S-2-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F1	2460S-1-1	1	CV	10x10	H	L	-20	254	253	253	267	258	258
65821F1	2460S-2-1	1	CV	10x10	H	L	-20	254	253	253	267	258	258
65819G1	2469S-1-1	1	CV	10x10	H	L	-20	263	273	273	245	260	260
65819G1	2469S-2-1	1	CV	10x10	H	L	-20	263	273	273	245	260	260
65817F3	2523S-1-1	1	CV	10x10	H	L	-20	252	243	243	247	247	247
65817F1	2535S-1-1	1	CV	10x10	H	L	-20	252	243	243	247	247	247
65815B3	2540S-1-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B3	2540S-2-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B2	2572S-1-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B2	2572S-2-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B1	2575S-1-1	1	CV	10x10	H	L	-20	243	265	265	255	254	254
65817H2	2577S-1-1	1	CV	10x10	H	L	-20	262	250	250	243	243	243



(A01)

(A04)



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Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65803A5	2591S-1-1	1	CV	10x10	H	L	-20	241	236	245	241	241	241
65803A5	2591S-1-2	1	CV	10x10	H	L	-20	241	236	245	241	241	241
65811A4	2595S-1-1	1	CV	10x10	H	L	-20	176	214	259	216	216	216
65811A4	2595S-2-1	1	CV	10x10	H	L	-20	176	214	259	216	216	216
65817J1	2633S-1-2	1	CV	10x10	H	L	-20	262	250	243	252	252	252
65803D1	2859S-1-1	1	CV	10x10	H	L	-20	237	240	233	237	237	237
65803D1	2859S-2-1	1	CV	10x10	H	L	-20	237	240	233	237	237	237
65813D2	2916S-1-1	1	CV	10x10	H	L	-20	266	256	206	243	243	243
65813D2	2916S-2-1	1	CV	10x10	H	L	-20	266	256	206	243	243	243
65808F4	2975S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808F4	2975S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808D4	2980S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808D4	2980S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808B1	2984S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808B1	2984S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199

### Supplementary Information (C99)

**Position:** (C01) 1 = surface, 2 = middle, 3 = 1/3 of thickness, 4 = 1/4 of thickness

**Notch:** (C40) CU = Charpy U-notch, CV = Charpy V-notch, CVA = Charpy V-notch (ASTM)

**Loc.:** (C01) H = head, T = tail

**Dir.:** (C02) T = transversal, L = longitudinal



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



Europe – Plate

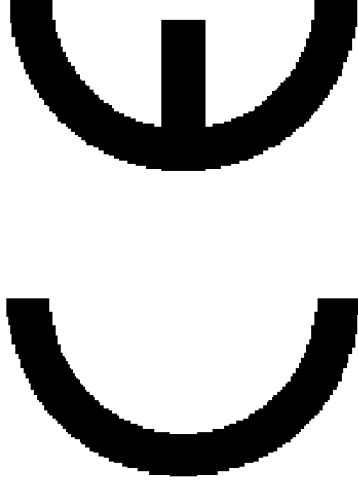
# Inspection Certificate <sup>(A02)</sup>

EN 10204:2004/3.1

Page 16 of 16  
Date of creation: <sup>(Z02)</sup> 19.03.2024  
Certificate No.: <sup>(A03)</sup> 206555

**Our order No.:** <sup>(A08)</sup> 3132292      **Your order No.:** <sup>(A07)</sup> P110606      **Order registration date:** 12.12.2023      **Date of dispatch:** 19.03.2024      **B**

We hereby certify that the material has been made and tested in accordance with the mentioned specification(s).  
Certified according to Construction Products Regulations (305/2011/EU) by TÜV NORD Systems GmbH (Notified Body Reg. No. 0045).  
For Declaration of Performance please see [www.DanSteel.dk](http://www.DanSteel.dk) and DoP number 010CPR2013-07-01.



TÜV-NORD 0045-CPR-0554  
Year of initial inspection: 2005

Intended use: Welded, bolted and riveted structures.

Our products are Cobalt, Gold, Mercury free and are free of radioactive substances and do not exceed the clearing limit value of 100 Bg/kg, which guarantees the compliance with limit values given in the Radiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex II, Section 5) for ferrous nuclides.  
Manufactured in Denmark



<sup>(A01)</sup>

<sup>(A04)</sup>



**DanSteel**  
Havnvej 33  
DK - 3300 Fredrikssøværk

Inspection representative NLMK DanSteel A/S <sup>(A05)</sup>

Zibrandt Greisen



## Information description

acc. to EN 10168

A	Commercial transactions and parties involved	
A01	Manufacturer's works	
A02	Type of inspection document	
A03	Document number	
A04	Manufacturer's mark	
A05	Originator of the inspection document	
A06	Customer consignee	
A07	Purchaser's order number and, where applicable, item number	
A08	Manufacturer's works order number	
A09	Customer article number	
A10 to A99	Supplementary information	
B	Description of Products	
B01	Product	
B02	Steel designation	
B03	Any supplementary requirements	
B04	Product delivery condition	
B05	Reference (heat) treatment of samples	
B06	Marking of the product	
B07	Identification of the product	
B08	Number of pieces	
B09 to B11	Product dimensions	
B12	Theoretical mass	
B13	Actual mass	
B14 to B99	Supplementary information	
C	Inspection	
C00	Identification of the sample	
C01	Location of the sample	
C02	Direction of the test pieces	
C03	Test temperature	
C04 to C09	Supplementary information	
C10	Shape of the test piece	
C11	Yield or proof strength	
C12	Tensile strength	
C13	Elongation after fracture	
C14 to C29	Supplementary information	
C30	Method of test	
C31	Individual values	
C32	Mean value	
C33 to C39	Supplementary information	
C40	Type of test piece	
C41	Width of test piece	
C42	Individual values	
C43	Mean value	
C44 to C49	Supplementary information	
C50 to C69	Supplementary information	
C70	Steelmaking process	
C71 to C92	Chemical composition	
C93 to C99	Supplementary information	
D	Other tests	
D01	Marking and identification, surface appearance, shape and dimensional properties	
D02 to D50	Non-destructive tests	
D51 to D99	Supplementary information	
Z	Validation	
Z01	Statement of compliance	
Z02	Date of issue and validation	
Z03	Stamp of the inspection representative	
Z04	CE marking	
Z05 to Z99	Supplementary information	



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Material requirements and customer information

Product: (B01) Plate

Steel standard and grade: (B02) EN10025-2:2019 S355K2+N

Surface tolerance: EN 10163-2 B3

Delivery condition: (B04) Furnace normalized (N)

Length tolerance: EN 10029 Table 3

Customer name and address (A06)

Certificate address

Width tolerance: EN 10029 Table 2

4102001

CERTIFICATES@BEGROUP.FI;

Thickness tolerance: EN 10029 Class A

BE Group Oy AB

Finland

Flatness tolerance: EN 10029 Table 4 Class N

BOX 54

Finland

15101 LAHTI

Finland

EN 10029 Table 4 Class N

Finland

Finland

CERTIFICATES@BEGROUP.FI;Anu.Heinikainen@begroup.fi;v.koiro@eu.nlmk.com

Supplementary information: (C04)

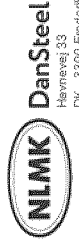
Fully Killed and Fine Grain  
Plates <= 25mm are Normalised at 900°C for 3 minutes.  
Plates > 25mm are Normalised at 900°C for 5 minutes.

flatness – class S for thicknesses above 40mm  
and aiming for S for thicknesses under 40mm

Visual examination and dimensional checking: Satisfactory. The results of tests performed are in compliance with the requirements. (Z01)

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location (B99)	Customer remark
6581914	2292S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F3	2322S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F1	2323S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B3	2327S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819F2	2332S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B2	2359S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65819B1	2437S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65821F3	2455S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65821F2	2458S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location	Customer remark (B99)
65821F1	2460S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65803D1	2859S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65813D2	2916S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808F4	2975S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808D4	2980S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65808B1	2984S	7	15.0	2450	12000	2	6 924	S355K2+N	Head	P110606
65765B4	1066S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65819G1	2469S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65811A4	2595S	9	16.0	2450	12000	2	7 386	S355K2+N	Head	P110606
65771D4	1230S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65764J4	1438S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65819B4	2336S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65803F2	2380S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65803F1	2381S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65811C4	2420S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B3	2540S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B2	2572S	12	20.0	2450	12000	2	9 232	S355K2+N	Head	P110606
65815B1	2575S	12	20.0	2450	12000	1	4 616	S355K2+N	Head	P110606
65819D3	2302S	13	25.0	1500	3000	10	8 830	S355K2+N	Head	P110606
65819A3	2119S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819E3	2126S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C3	2136S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C2	2176S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819C1	2180S	14	25.0	2000	6000	1	2 355	S355K2+N	Head	P110606
65816J4	2255S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606
65819F4	2329S	14	25.0	2000	6000	1	2 355	S355K2+N	Head	P110606
65813H2	2417S	14	25.0	2000	6000	4	9 420	S355K2+N	Head	P110606



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zilbrandt Greisen

Z. Swain



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Details of supplied materials dimensions, weights and pieces

Heat/Slab (B07)	Plate No. (B06)	Item	Thickness mm (B09)	Width mm (B10)	Length mm (B11)	Pieces (B08)	Gross kg (B12)	Hard stamp	Stamp location	Customer remark (B99)	
65811C2	2423S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606	
65816D1	2429S	14	25.0	2000	6000	2	4 710	S355K2+N	Head	P110606	
65812G1	2352S	15	30.0	1500	3000	10	10 600	S355K2+N	Head	P110606	
65772A3	2019S	16	30.0	2000	6000	3	8 478	S355K2+N	Head	P110606	
65811D4	2287S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65811D3	2340S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J3	2341S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65811D2	2344S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J2	2345S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65771J1	2347S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65805D3	2388S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65805D1	2415S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65817F3	2523S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65817F1	2535S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65817H2	2577S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
65803A5	2591S	16	30.0	2000	6000	2	5 652	S355K2+N	Head	P110606	
65817J1	2633S	16	30.0	2000	6000	1	2 826	S355K2+N	Head	P110606	
							115	327 822			



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 4 of 16

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Chemical composition (heat analysis) all results in %

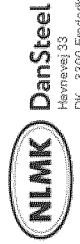
Heat No. (B07)	C	Mn	Si	P	S	Cr	Cu	Ni	Mo	Al	Nb	V	Ti	N	B
	0.20	1.60	0.25	0.025	0.025	0.290	0.400	0.400	0.080	0.100	0.060	0.100	0.050	0.0120	0.0008
			0.15							0.020					
65764	0.17	1.51	0.20	0.012	0.004	0.049	0.024	0.020	0.002	0.035	0.041	0.002	0.002	0.0044	0.0002
65765	0.17	1.49	0.24	0.013	0.004	0.029	0.030	0.020	0.001	0.033	0.044	0.002	0.002	0.0039	0.0002
65771	0.17	1.48	0.19	0.009	0.009	0.044	0.031	0.030	0.003	0.038	0.044	0.001	0.002	0.0047	0.0001
65772	0.17	1.47	0.21	0.008	0.011	0.025	0.013	0.011	0.002	0.034	0.043	0.001	0.002	0.0049	0.0002
65803	0.17	1.49	0.22	0.013	0.002	0.039	0.038	0.029	0.003	0.038	0.042	0.002	0.002	0.0046	0.0002
65805	0.17	1.49	0.22	0.017	0.006	0.019	0.012	0.008	0.001	0.050	0.043	0.001	0.002	0.0044	0.0002
65808	0.17	1.48	0.22	0.018	0.008	0.030	0.025	0.016	0.001	0.036	0.042	0.001	0.002	0.0043	0.0002
65811	0.17	1.51	0.22	0.013	0.003	0.029	0.019	0.016	0.001	0.043	0.044	0.001	0.002	0.0036	0.0002
65812	0.18	1.50	0.24	0.011	0.002	0.025	0.022	0.012	0.001	0.035	0.041	0.001	0.002	0.0039	0.0002
65813	0.17	1.49	0.21	0.012	0.002	0.022	0.010	0.009	0.002	0.043	0.045	0.001	0.002	0.0034	0.0002
65815	0.14	1.45	0.18	0.009	0.004	0.025	0.018	0.014	0.001	0.047	0.042	0.001	0.003	0.0035	0.0001
65816	0.15	1.47	0.19	0.015	0.001	0.023	0.025	0.014	0.001	0.040	0.044	0.002	0.002	0.0036	0.0001
65817	0.15	1.47	0.18	0.015	0.004	0.033	0.015	0.010	0.001	0.043	0.044	0.002	0.003	0.0043	0.0001
65819	0.15	1.48	0.19	0.008	0.004	0.016	0.013	0.010	0.001	0.044	0.044	0.001	0.003	0.0036	0.0001
65821	0.15	1.46	0.19	0.013	0.003	0.022	0.012	0.010	0.001	0.028	0.042	0.002	0.002	0.0033	0.0001

Heat No. (B07) CEV

Remark (C70)

Set values: min. max. 0.45

65764	0.43	1 3 4 6
65765	0.43	1 3 4 6
65771	0.43	1 3 4 6
65772	0.42	1 3 4 6
65803	0.43	1 3 4 6
65805	0.43	1 3 4 6
65808	0.42	1 3 4 6
65811	0.43	1 3 4 6



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Svoboda



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	min.	max.	Remark (C70)
65812	0.43		0.45	1 3 4 6
65813	0.42		0.45	1 3 4 6
65815	0.39		0.45	1 3 4 5 6
65816	0.41		0.45	1 3 4 6
65817	0.40		0.45	1 3 4 5 6
65819	0.40		0.45	1 3 4 6
65821	0.40		0.45	1 3 4 6

### Supplementary information (C99)

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

1 = Basic Oxygen Steel, 2 = Electric Arc Furnace, 3 = Ladle Refined, 4 = Calcium Treated, 5 = Vacuum Degassed, 6 = Continuous Cast, 7 = Ingot



DanSteel

Havnvej 33

DK - 3300 Fredrikssønder

(A01)



(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Svendsen



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Page 6 of 16  
Date of creation: (Z02) 19.03.2024  
Certificate No.: (A03) 206555

Our order No.: (A08) 3132292    Your order No.: (A07) P110606    Order registration date: 12.12.2023    Date of dispatch: 19.03.2024    B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65765B4	1066S-1-1	16.0	R	H	T	406	REH	540	A5	31	0.75
65765B4	1066S-2-1	16.0	R	H	T	406	REH	540	A5	31	0.75
65771D4	1230S-1-1	20.0	R	H	T	359	REH	523	A5	31	0.69
65771D4	1230S-2-1	20.0	R	H	T	359	REH	523	A5	31	0.69
65764J4	1438S-1-1	20.0	R	H	T	382	REH	535	A5	29	0.71
65772A3	2019S-1-1	30.0	R	H	T	363	R02	517	A5	28	0.70
65772A3	2019S-1-2	30.0	R	H	T	363	R02	517	A5	28	0.70
65772A3	2019S-1-3	30.0	R	H	T	363	R02	517	A5	28	0.70
65819A3	2119S-1-1	25.0	R	H	T	359	R02	511	A5	33	0.70
65819A3	2119S-2-1	25.0	R	H	T	359	R02	511	A5	33	0.70
65819E3	2126S-1-1	25.0	R	H	T	357	R02	511	A5	30	0.70
65819E3	2126S-2-1	25.0	R	H	T	357	R02	511	A5	30	0.70
65819C3	2136S-1-1	25.0	R	H	T	362	REH	515	A5	32	0.70
65819C3	2136S-2-1	25.0	R	H	T	360	REH	507	A5	32	0.71
65819C2	2176S-1-1	25.0	R	H	T	359	REH	510	A5	32	0.70
65819C2	2176S-2-1	25.0	R	H	T	359	REH	510	A5	32	0.70
65819C1	2180S-1-1	25.0	R	H	T	366	R02	511	A5	32	0.72
65816J4	2255S-1-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65816J4	2255S-1-2	25.0	R	H	T	357	REH	514	A5	31	0.69
65811D4	2287S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D4	2287S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65819I4	2292S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819I4	2292S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819D3	2302S-1-1	25.0	R	H	T	360	REH	507	A5	32	0.71
65819D3	2302S-1-10	25.0	R	H	T	366	R02	511	A5	32	0.72



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65819D3	2302S-1-2	25.0	R	H	T	360	REH	507	A5	32	0.71
65819D3	2302S-1-3	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-4	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-5	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-6	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-7	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-8	25.0	R	H	T	366	R02	511	A5	32	0.72
65819D3	2302S-1-9	25.0	R	H	T	366	R02	511	A5	32	0.72
65819F3	2322S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F3	2322S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F1	2323S-1-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819F1	2323S-2-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819B3	2327S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B3	2327S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F4	2329S-1-1	25.0	R	H	T	366	R02	511	A5	32	0.72
65819F2	2332S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819F2	2332S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B4	2336S-1-1	20.0	R	H	T	360	REH	507	A5	32	0.71
65811D3	2340S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D3	2340S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65771J3	2341S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J3	2341S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65811D2	2344S-1-2	30.0	R	H	T	383	R02	541	A5	28	0.71
65811D2	2344S-1-3	30.0	R	H	T	383	R02	541	A5	28	0.71
65771J2	2345S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swain





Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65771J2	2345S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J1	2347S-1-2	30.0	R	H	T	377	REH	530	A5	30	0.71
65771J1	2347S-1-3	30.0	R	H	T	377	REH	530	A5	30	0.71
65812G1	2352S-1-1	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-10	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-2	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-3	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-4	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-5	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-6	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-7	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-8	30.0	R	H	T	392	REH	537	A5	31	0.73
65812G1	2352S-1-9	30.0	R	H	T	392	REH	537	A5	31	0.73
65819B2	2359S-1-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65819B2	2359S-2-1	15.0	R	H	T	391	REH	517	A5	31	0.76
65803F2	2380S-2-1	20.0	R	H	T	403	REH	545	A5	30	0.74
65803F1	2381S-1-1	20.0	R	H	T	398	REH	538	A5	31	0.74
65803F1	2381S-2-1	20.0	R	H	T	398	REH	538	A5	31	0.74
65805D3	2388S-1-2	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D3	2388S-1-3	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D1	2415S-1-2	30.0	R	H	T	372	R02	535	A5	30	0.70
65805D1	2415S-1-3	30.0	R	H	T	372	R02	535	A5	30	0.70
65813H2	2417S-1-1	25.0	R	H	T	388	R02	542	A5	30	0.72
65813H2	2417S-1-2	25.0	R	H	T	388	R02	542	A5	30	0.72
65813H2	2417S-2-1	25.0	R	H	T	388	R02	542	A5	30	0.72



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

*Z. Swish*



Europe – Plate

# Inspection Certificate

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Date of creation: (Z02) 19.03.2024  
Certificate No.: (A03) 206555

Our order No.: (A08) 3132292    Your order No.: (A07) P110606    Order registration date: 12.12.2023    Date of dispatch: 19.03.2024    B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65813H2	2417S-2-2	25.0	R	H	T	388	R02	542	A5	30	0.72
65811C4	2420S-1-1	20.0	R	H	T	383	R02	541	A5	28	0.71
65811C4	2420S-2-1	20.0	R	H	T	383	R02	541	A5	28	0.71
65811C2	2423S-1-1	25.0	R	H	T	383	R02	541	A5	28	0.71
65811C2	2423S-2-1	25.0	R	H	T	383	R02	541	A5	28	0.71
65816D1	2429S-1-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65816D1	2429S-2-1	25.0	R	H	T	357	REH	514	A5	31	0.69
65819B1	2437S-1-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65819B1	2437S-2-1	15.0	R	H	T	379	REH	505	A5	23	0.75
65821F3	2455S-1-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F3	2455S-2-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F2	2458S-1-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F2	2458S-2-1	15.0	R	H	T	383	REH	510	A5	31	0.75
65821F1	2460S-1-1	15.0	R	H	T	379	REH	512	A5	34	0.74
65821F1	2460S-2-1	15.0	R	H	T	379	REH	512	A5	34	0.74
65819G1	2469S-1-1	16.0	R	H	T	379	REH	505	A5	23	0.75
65819G1	2469S-2-1	16.0	R	H	T	379	REH	505	A5	23	0.75
65817F3	2523S-1-1	30.0	R	H	T	356	REH	505	A5	30	0.70
65817F1	2535S-1-1	30.0	R	H	T	356	REH	505	A5	30	0.70
65815B3	2540S-1-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B3	2540S-2-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B2	2572S-1-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B2	2572S-2-1	20.0	R	H	T	380	REH	515	A5	33	0.74
65815B1	2575S-1-1	20.0	R	H	T	370	REH	506	A5	35	0.73
65817H2	2577S-1-1	30.0	R	H	T	370	REH	506	A5	32	0.73



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Tensile testing

Tensile tests were performed in accordance with EN 10002/ISO 6892-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Thickness mm	Shape (C10)	Loc. (C01)	Dir. (C02)	Yield MPa (C11)	Yield type	UTS Rm MPa (C12)	Elong. type	Elongation % (C13)	Yield/UTS
65803A5	2591S-1-1	30.0	R	H	T	403	REH	545	A5	30	0.74
65803A5	2591S-1-2	30.0	R	H	T	403	REH	545	A5	30	0.74
65811A4	2595S-1-1	16.0	R	H	T	382	REH	534	A5	32	0.72
65811A4	2595S-2-1	16.0	R	H	T	382	REH	534	A5	32	0.72
65817J1	2633S-1-2	30.0	R	H	T	370	REH	506	A5	32	0.73
65803D1	2859S-1-1	15.0	R	H	T	415	REH	547	A5	31	0.76
65803D1	2859S-2-1	15.0	R	H	T	415	REH	547	A5	31	0.76
65813D2	2916S-1-1	15.0	R	H	T	419	REH	545	A5	32	0.77
65813D2	2916S-2-1	15.0	R	H	T	419	REH	545	A5	32	0.77
65808F4	2975S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808F4	2975S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808D4	2980S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808D4	2980S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808B1	2984S-1-1	15.0	R	H	T	406	REH	545	A5	30	0.74
65808B1	2984S-2-1	15.0	R	H	T	406	REH	545	A5	30	0.74

### Supplementary Information (C99)

Loc.: (C01) H = head, T = tail

Dir.: (C02) T = transversal, L = longitudinal

Shape: (C10) Ø = round, R = rectangular

Original gauge length: 200 mm



DanSteel

Havnvejsvej 33  
DK - 3300 Fredrikssøværk

(A01)



(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen



Europe – Plate

# Inspection Certificate

(A02)

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Date of creation: (Z02) 19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65765B4	1066S-1-1	1	CV	10x10	H	L	-20	172	247	225	215	225	215
65765B4	1066S-2-1	1	CV	10x10	H	L	-20	172	247	225	215	225	215
65771D4	1230S-1-1	1	CV	10x10	H	L	-20	199	200	172	190	172	190
65771D4	1230S-2-1	1	CV	10x10	H	L	-20	199	200	172	190	172	190
65764J4	1438S-1-1	1	CV	10x10	H	L	-20	242	254	247	248	247	248
65772A3	2019S-1-1	1	CV	10x10	H	L	-20	145	177	195	172	195	172
65772A3	2019S-1-2	1	CV	10x10	H	L	-20	145	177	195	172	195	172
65772A3	2019S-1-3	1	CV	10x10	H	L	-20	145	177	195	172	195	172
65819A3	2119S-1-1	1	CV	10x10	H	L	-20	256	221	251	243	251	243
65819A3	2119S-2-1	1	CV	10x10	H	L	-20	256	221	251	243	251	243
65819E3	2126S-1-1	1	CV	10x10	H	L	-20	258	227	252	246	252	246
65819E3	2126S-2-1	1	CV	10x10	H	L	-20	258	227	252	246	252	246
65819C3	2136S-1-1	1	CV	10x10	H	L	-20	243	253	243	246	243	246
65819C3	2136S-2-1	1	CV	10x10	H	L	-20	265	249	256	257	256	257
65819C2	2176S-1-1	1	CV	10x10	H	L	-20	256	245	253	251	253	251
65819C2	2176S-2-1	1	CV	10x10	H	L	-20	256	245	253	251	253	251
65819C1	2180S-1-1	1	CV	10x10	H	L	-20	251	250	262	254	262	254
65816J4	2255S-1-1	1	CV	10x10	H	L	-20	263	251	252	255	252	255
65816J4	2255S-1-2	1	CV	10x10	H	L	-20	263	251	252	255	252	255
65811D4	2287S-1-2	1	CV	10x10	H	L	-20	246	221	238	235	238	235
65811D4	2287S-1-3	1	CV	10x10	H	L	-20	246	221	238	235	238	235
65819I4	2292S-1-1	1	CV	10x10	H	L	-20	263	273	245	260	245	260
65819I4	2292S-2-1	1	CV	10x10	H	L	-20	263	273	245	260	245	260
65819D3	2302S-1-1	1	CV	10x10	H	L	-20	265	249	256	257	256	257
65819D3	2302S-1-10	1	CV	10x10	H	L	-20	251	250	262	254	262	254



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swain

Havnavej 33  
DK - 3300 Fredrikssøværk



Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03) **206555**

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65819D3	2302S-1-2	1	CV	10x10	H	L	-20	265	249	256	257		
65819D3	2302S-1-3	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-4	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-5	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-6	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-7	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-8	1	CV	10x10	H	L	-20	251	250	262	254		
65819D3	2302S-1-9	1	CV	10x10	H	L	-20	251	250	262	254		
65819F3	2322S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F3	2322S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F1	2323S-1-1	1	CV	10x10	H	L	-20	261	269	268	266		
65819F1	2323S-2-1	1	CV	10x10	H	L	-20	261	269	268	266		
65819B3	2327S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B3	2327S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F4	2329S-1-1	1	CV	10x10	H	L	-20	251	250	262	254		
65819F2	2332S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819F2	2332S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B4	2336S-1-1	1	CV	10x10	H	L	-20	265	249	256	257		
65811D3	2340S-1-2	1	CV	10x10	H	L	-20	246	221	238	235		
65811D3	2340S-1-3	1	CV	10x10	H	L	-20	246	221	238	235		
65771J3	2341S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		
65771J3	2341S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65811D2	2344S-1-2	1	CV	10x10	H	L	-20	246	221	238	235		
65811D2	2344S-1-3	1	CV	10x10	H	L	-20	246	221	238	235		
65771J2	2345S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Svendsen

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DK - 3300 Fredrikssøværk



Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02) 19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65771J2	2345S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65771J1	2347S-1-2	1	CV	10x10	H	L	-20	205	202	168	192		
65771J1	2347S-1-3	1	CV	10x10	H	L	-20	205	202	168	192		
65812G1	2352S-1-1	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-10	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-2	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-3	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-4	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-5	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-6	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-7	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-8	1	CV	10x10	H	L	-20	244	237	195	225		
65812G1	2352S-1-9	1	CV	10x10	H	L	-20	244	237	195	225		
65819B2	2359S-1-1	1	CV	10x10	H	L	-20	263	273	245	260		
65819B2	2359S-2-1	1	CV	10x10	H	L	-20	263	273	245	260		
65803F2	2380S-2-1	1	CV	10x10	H	L	-20	241	236	245	241		
65803F1	2381S-1-1	1	CV	10x10	H	L	-20	136	235	238	203		
65803F1	2381S-2-1	1	CV	10x10	H	L	-20	136	235	238	203		
65805D3	2388S-1-2	1	CV	10x10	H	L	-20	173	182	224	193		
65805D3	2388S-1-3	1	CV	10x10	H	L	-20	173	182	224	193		
65805D1	2415S-1-2	1	CV	10x10	H	L	-20	173	182	224	193		
65805D1	2415S-1-3	1	CV	10x10	H	L	-20	173	182	224	193		
65813H2	2417S-1-1	1	CV	10x10	H	L	-20	234	246	242	241		
65813H2	2417S-1-2	1	CV	10x10	H	L	-20	234	246	242	241		
65813H2	2417S-2-1	1	CV	10x10	H	L	-20	234	246	242	241		



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

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Europe – Plate

# Inspection Certificate

EN 10204:2004/3.1

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Date of creation: (Z02) 19.03.2024

Certificate No.: (A03) 206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing

Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65813H2	2417S-2-2	1	CV	10x10	H	L	-20	234	246	246	242	241	241
65811C4	2420S-1-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C4	2420S-2-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C2	2423S-1-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65811C2	2423S-2-1	1	CV	10x10	H	L	-20	246	221	221	238	235	235
65816D1	2429S-1-1	1	CV	10x10	H	L	-20	263	251	251	252	255	255
65816D1	2429S-2-1	1	CV	10x10	H	L	-20	263	251	251	252	255	255
65819B1	2437S-1-1	1	CV	10x10	H	L	-20	261	269	269	268	266	266
65819B1	2437S-2-1	1	CV	10x10	H	L	-20	261	269	269	268	266	266
65821F3	2455S-1-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F3	2455S-2-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F2	2458S-1-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F2	2458S-2-1	1	CV	10x10	H	L	-20	268	240	240	252	253	253
65821F1	2460S-1-1	1	CV	10x10	H	L	-20	254	253	253	267	258	258
65821F1	2460S-2-1	1	CV	10x10	H	L	-20	254	253	253	267	258	258
65819G1	2469S-1-1	1	CV	10x10	H	L	-20	263	273	273	245	260	260
65819G1	2469S-2-1	1	CV	10x10	H	L	-20	263	273	273	245	260	260
65817F3	2523S-1-1	1	CV	10x10	H	L	-20	252	243	243	247	247	247
65817F1	2535S-1-1	1	CV	10x10	H	L	-20	252	243	243	247	247	247
65815B3	2540S-1-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B3	2540S-2-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B2	2572S-1-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B2	2572S-2-1	1	CV	10x10	H	L	-20	263	253	253	257	258	258
65815B1	2575S-1-1	1	CV	10x10	H	L	-20	243	265	265	255	254	254
65817H2	2577S-1-1	1	CV	10x10	H	L	-20	262	250	250	243	252	252



(A01)

(A04)



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Europe – Plate

# Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

19.03.2024

Certificate No.: (A03)

206555

Our order No.: (A08) 3132292

Your order No.: (A07) P110606

Order registration date: 12.12.2023

Date of dispatch: 19.03.2024 B

## Impact testing Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab (B07)	Plate ID (B06)	Position (C01)	Notch (C40)	Shape (C41)	Loc. (C01)	Dir. (C02)	Temp. °C (C03)	SV (C42)		SV (C42)		AV (C43)	
								J	J	J	J	J	J
65803A5	2591S-1-1	1	CV	10x10	H	L	-20	241	236	245	241	241	241
65803A5	2591S-1-2	1	CV	10x10	H	L	-20	241	236	245	241	241	241
65811A4	2595S-1-1	1	CV	10x10	H	L	-20	176	214	259	216	216	216
65811A4	2595S-2-1	1	CV	10x10	H	L	-20	176	214	259	216	216	216
65817J1	2633S-1-2	1	CV	10x10	H	L	-20	262	250	243	252	252	252
65803D1	2859S-1-1	1	CV	10x10	H	L	-20	237	240	233	237	237	237
65803D1	2859S-2-1	1	CV	10x10	H	L	-20	237	240	233	237	237	237
65813D2	2916S-1-1	1	CV	10x10	H	L	-20	266	256	206	243	243	243
65813D2	2916S-2-1	1	CV	10x10	H	L	-20	266	256	206	243	243	243
65808F4	2975S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808F4	2975S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808D4	2980S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808D4	2980S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808B1	2984S-1-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199
65808B1	2984S-2-1	1	CV	10x10	H	L	-20	227	156	214	199	199	199

### Supplementary Information (C99)

**Position:** (C01) 1 = surface, 2 = middle, 3 = 1/3 of thickness, 4 = 1/4 of thickness

**Notch:** (C40) CU = Charpy U-notch, CV = Charpy V-notch, CVA = Charpy V-notch (ASTM)

**Loc.:** (C01) H = head, T = tail

**Dir.:** (C02) T = transversal, L = longitudinal



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish





Europe – Plate

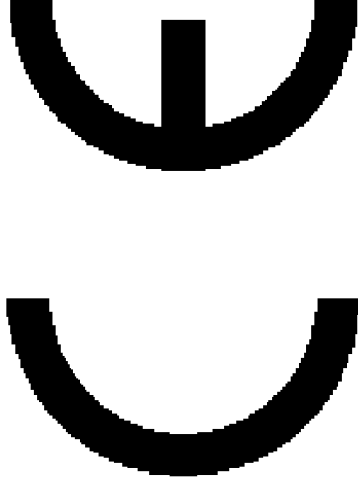
# Inspection Certificate <sup>(A02)</sup>

EN 10204:2004/3.1

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Date of creation: <sup>(Z02)</sup> 19.03.2024  
Certificate No.: <sup>(A03)</sup> 206555

**Our order No.:** <sup>(A08)</sup> 3132292      **Your order No.:** <sup>(A07)</sup> P110606      **Order registration date:** 12.12.2023      **Date of dispatch:** 19.03.2024      **B**

We hereby certify that the material has been made and tested in accordance with the mentioned specification(s).  
Certified according to Construction Products Regulations (305/2011/EU) by TÜV NORD Systems GmbH (Notified Body Reg. No. 0045).  
For Declaration of Performance please see [www.DanSteel.dk](http://www.DanSteel.dk) and DoP number 010CPR2013-07-01.



TÜV-NORD 0045-CPR-0554  
Year of initial inspection: 2005

Intended use: Welded, bolted and riveted structures.

Our products are Cobalt, Gold, Mercury free and are free of radioactive substances and do not exceed the clearing limit value of 100 Bg/kg, which guarantees the compliance with limit values given in the Radiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex II, Section 5) for ferrous nuclides.  
Manufactured in Denmark



<sup>(A01)</sup>

**DanSteel**  
Havnvejs 33  
DK - 3300 Fredrikssøværk

<sup>(A04)</sup>



Inspection representative NLMK DanSteel A/S <sup>(A05)</sup>

Zibrandt Greisen