



Europe – Plate

Inspection Certificate

EN 10204:2004/3.1

Page 1 of 21
Date of creation: (Z02) 17.06.2022
Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131 Your order No.: (A07) P097977 Order registration date: 01.04.2022 Date of dispatch: 17.06.2022 B

Material requirements and customer information

Product: (A03) Plate **Steel standard and grade:** (B02) EN10025-2:2019 S355K2 **Surface tolerance:** EN 10163-2 B3

Delivery condition: (B04) Normalized rolled (+N) **Length tolerance:** EN 10029 Table 3

Customer name and address (A06) **Certificate address**
 410201
 BE Group Oy AB
 BOX 54
 15101 LAHTI
 Finland
 certificates@begroup.fi;
 Finland
 CERTIFICATES@BEGROUP.FI

Thickness tolerance: EN 10029 Class A
Flatness tolerance: EN 10029 Table 4 Class N

Supplementary information: (C04)
 Fully Killed and Fine Grain

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	Customer remark (B99)
61655E1	6812S	3	16.0	2000	6000	1	1 507	S355K2+N	Head	P097977
61543I3	2967S	7	15.0	2000	6000	2	2 826	S355K2+N	Head	P097977
61543I2	2968S	7	15.0	2000	6000	4	5 652	S355K2+N	Head	P097977
61591F6	4271S	7	15.0	2000	6000	3	4 239	S355K2+N	Head	P097977
61591F4	4272S	7	15.0	2000	6000	2	2 826	S355K2+N	Head	P097977
61591F1	4276S	7	15.0	2000	6000	4	5 652	S355K2+N	Head	P097977
61591F5	4281S	7	15.0	2000	6000	3	4 239	S355K2+N	Head	P097977
61591F2	4282S	7	15.0	2000	6000	2	2 826	S355K2+N	Head	P097977
61585A3	4322S	7	15.0	2000	6000	3	4 239	S355K2+N	Head	P097977
61585G3	4407S	7	15.0	2000	6000	4	5 652	S355K2+N	Head	P097977



(A01)



(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

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Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

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Order registration date: 01.04.2022

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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)
61496C4	2711S	9	12.0	2000	6000	1	1 130	S355K2+N	Head	P097977
61543I5	2965S	9	12.0	2000	6000	2	2 260	S355K2+N	Head	P097977
61497E4	3108S	9	12.0	2000	6000	4	4 520	S355K2+N	Head	P097977
61515B6	3248S	9	12.0	2000	6000	2	2 260	S355K2+N	Head	P097977
61515B4	3272S	9	12.0	2000	6000	4	4 520	S355K2+N	Head	P097977
61515B2	3276S	9	12.0	2000	6000	4	4 520	S355K2+N	Head	P097977
61489H3	3399S	9	12.0	2000	6000	4	4 520	S355K2+N	Head	P097977
61489I4	3460S	9	12.0	2000	6000	4	4 520	S355K2+N	Head	P097977
61489I3	3482S	9	12.0	2000	6000	2	2 260	S355K2+N	Head	P097977
61515G3	4188S	9	12.0	2000	6000	2	2 260	S355K2+N	Head	P097977
61543H3	2763S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61543H2	2764S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61589I4	4223S	11	20.0	2000	6000	4	7 536	S355K2+N	Head	P097977
61587A1	4240S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61589J4	4250S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61589C4	4291S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61589C3	4297S	11	20.0	2000	6000	4	7 536	S355K2+N	Head	P097977
61589C2	4301S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61586B1	4393S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61588H3	4394S	11	20.0	2000	6000	3	5 652	S355K2+N	Head	P097977
61588H4	4403S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61588H1	4404S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61588D4	4421S	11	20.0	2000	6000	3	5 652	S355K2+N	Head	P097977
61588D2	4422S	11	20.0	2000	6000	4	7 536	S355K2+N	Head	P097977
61586F4	4460S	11	20.0	2000	6000	4	7 536	S355K2+N	Head	P097977
61591I2	4609S	11	20.0	2000	6000	4	7 536	S355K2+N	Head	P097977
61591G5	4733S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977



(A01)

(A04)



Inspection representative NLMK DanSteel AIS (A05)

Zibrandt Greisen

Z. Swirish



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Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

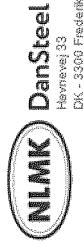
Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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)
61585G2	4752S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61518E3	4790S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61517J2	4903S	11	20.0	2000	6000	1	1 884	S355K2+N	Head	P097977
61518I3	5382S	11	20.0	2000	6000	3	5 652	S355K2+N	Head	P097977
61518I5	5411S	11	20.0	2000	6000	2	3 768	S355K2+N	Head	P097977
61518I4	5440S	11	20.0	2000	6000	3	5 652	S355K2+N	Head	P097977
61433J2	2650S	12	25.0	2000	6000	2	4 710	S355K2+N	Head	P097977
61438D2	2831S	12	25.0	2000	6000	3	7 065	S355K2+N	Head	P097977
61498F2	3218S	14	30.0	2000	6000	1	2 826	S355K2+N	Head	P097977
61498F3	3227S	14	30.0	2000	6000	3	8 478	S355K2+N	Head	P097977
61372A3	7796R	14	30.0	2000	6000	2	5 652	S355K2+N	Head	P097977
61366A3	7799R	14	30.0	2000	6000	4	11 304	S355K2+N	Head	P097977
61515B5	3250S	17	12.0	2450	12000	2	5 538	S355K2+N	Head	P097977
61515B1	3278S	17	12.0	2450	12000	2	5 538	S355K2+N	Head	P097977
61489F4	3365S	17	12.0	2450	12000	1	2 769	S355K2+N	Head	P097977
61489H4	3397S	17	12.0	2450	12000	2	5 538	S355K2+N	Head	P097977
61489H1	3423S	17	12.0	2450	12000	1	2 769	S355K2+N	Head	P097977
61515F2	3649S	17	12.0	2450	12000	1	2 769	S355K2+N	Head	P097977
61438D3	2651S	18	30.0	2450	12000	1	6 924	S355K2+N	Head	P097977
61497E1	3067S	22	20.0	2450	12000	1	4 616	S355K2+N	Head	P097977
61585C2	3954S	22	20.0	2450	12000	1	4 616	S355K2+N	Head	P097977
61586A3	4537S	22	20.0	2450	12000	1	4 616	S355K2+N	Head	P097977
61467A4	6676S	22	20.0	2450	12000	2	9 232	S355K2+N	Head	P097977
61372A2	7797R	22	20.0	2450	12000	1	4 616	S355K2+N	Head	P097977
61589J2	4255S	23	16.0	2450	12000	2	7 386	S355K2+N	Head	P097977
61588H2	4397S	23	16.0	2450	12000	2	7 386	S355K2+N	Head	P097977
61588D3	4440S	23	16.0	2450	12000	1	3 693	S355K2+N	Head	P097977



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swirish



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Certificate No.: (A03) 145420/2

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Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 B

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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)	
61586F3	4469S	23	16.0	2450	12000	2	7 386	S355K2+N	Head	P097977	
61518I2	5420S	23	16.0	2450	12000	1	3 693	S355K2+N	Head	P097977	
61547D1	2816S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61587A2	4245S	24	15.0	2450	12000	1	3 462	S355K2+N	Head	P097977	
61589C1	4286S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61589D3	4296S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61589B3	4413S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61592I4	4620S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61591I4	4630S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61591G1	4732S	24	15.0	2450	12000	2	6 924	S355K2+N	Head	P097977	
61496I5	5381S	24	15.0	2450	12000	1	3 462	S355K2+N	Head	P097977	
61370B2	7589R	25	20.0	2450	12000	2	9 232	S355K2+N	Head	P097977	
							168	367 908			



(A01)



(A04)

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Z. Swishin



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(A02)

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17.06.2022

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145420/2

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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
Set values:	min.	0.20	1.60	0.25	0.025	0.025	0.400	0.300	0.080	0.100	0.060	0.100	0.050	0.0120	0.0008
	max.	0.16	1.48	0.20	0.013	0.012	0.023	0.020	0.002	0.039	0.039	0.001	0.001	0.0043	0.0003
61366		0.17	1.53	0.24	0.024	0.008	0.033	0.029	0.002	0.031	0.041	0.002	0.002	0.0046	0.0005
61370		0.17	1.49	0.22	0.010	0.003	0.027	0.036	0.001	0.036	0.040	0.001	0.002	0.0053	0.0003
61372		0.14	1.47	0.18	0.016	0.005	0.011	0.016	0.002	0.040	0.041	0.002	0.002	0.0053	0.0002
61433		0.14	1.44	0.18	0.013	0.006	0.021	0.033	0.003	0.038	0.040	0.002	0.002	0.0038	0.0003
61438		0.16	1.50	0.22	0.011	0.003	0.036	0.044	0.023	0.045	0.041	0.002	0.002	0.0032	0.0003
61467		0.16	1.38	0.18	0.010	0.004	0.026	0.032	0.002	0.040	0.019	0.002	0.002	0.0037	0.0002
61489		0.17	1.51	0.19	0.010	0.009	0.035	0.033	0.002	0.036	0.017	0.001	0.002	0.0041	0.0003
61496		0.17	1.48	0.20	0.014	0.002	0.037	0.043	0.002	0.041	0.017	0.001	0.002	0.0036	0.0003
61497		0.17	1.48	0.19	0.014	0.005	0.022	0.022	0.011	0.043	0.017	0.001	0.002	0.0033	0.0002
61498		0.16	1.37	0.18	0.010	0.003	0.027	0.044	0.017	0.034	0.019	0.001	0.002	0.0037	0.0002
61515		0.17	1.47	0.19	0.020	0.005	0.039	0.039	0.018	0.038	0.017	0.001	0.002	0.0031	0.0003
61517		0.17	1.47	0.19	0.019	0.004	0.031	0.025	0.014	0.038	0.016	0.002	0.002	0.0037	0.0002
61518		0.18	1.48	0.22	0.014	0.003	0.035	0.041	0.018	0.041	0.043	0.001	0.002	0.0036	0.0003
61543		0.18	1.51	0.23	0.012	0.008	0.036	0.040	0.024	0.039	0.045	0.002	0.002	0.0048	0.0003
61547		0.17	1.47	0.21	0.010	0.011	0.031	0.045	0.019	0.040	0.040	0.003	0.002	0.0045	0.0003
61585		0.17	1.47	0.22	0.012	0.004	0.020	0.019	0.008	0.043	0.039	0.001	0.002	0.0030	0.0003
61586		0.17	1.49	0.21	0.014	0.007	0.044	0.028	0.017	0.036	0.040	0.002	0.002	0.0032	0.0003
61587		0.16	1.51	0.21	0.011	0.005	0.035	0.034	0.019	0.042	0.040	0.001	0.002	0.0040	0.0002
61588		0.18	1.49	0.22	0.010	0.003	0.040	0.038	0.020	0.044	0.041	0.003	0.002	0.0035	0.0003
61589		0.18	1.52	0.22	0.010	0.006	0.034	0.036	0.018	0.032	0.040	0.001	0.002	0.0047	0.0003
61591		0.17	1.47	0.21	0.011	0.007	0.038	0.041	0.021	0.040	0.039	0.004	0.002	0.0042	0.0003
61592		0.17	1.47	0.22	0.012	0.004	0.030	0.024	0.014	0.038	0.042	0.001	0.002	0.0048	0.0002
61655															

Remark (C70)

Heat No. (B07) CEV

Set values: min.

max. 0.45



DanSteel
Havnavej 33
DK - 3300 Fredrikssø

(A01)



(A04)

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Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	min.	max.	Remark (C70)
61366	0.42		0.45	1 3 4 6
61370	0.43			1 3 4 6
61372	0.43			1 3 4 6
61433	0.39			1 3 4 6
61438	0.39			1 3 4 6
61467	0.43			1 3 4 5 6
61489	0.40			1 3 4 6
61496	0.43			1 3 4 6
61497	0.42			1 3 4 6
61498	0.43			1 3 4 6
61515	0.40			1 3 4 6
61517	0.43			1 3 4 6
61518	0.42			1 3 4 6
61543	0.44			1 3 4 6
61547	0.44			1 3 4 6
61585	0.42			1 3 4 6
61586	0.42			1 3 4 6
61587	0.43			1 3 4 6
61588	0.43			1 3 4 6
61589	0.44			1 3 4 6
61591	0.44			1 3 4 6
61592	0.43			1 3 4 6
61655	0.43			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
Havnavej 33
DK - 3300 Frederiksøer

(A01)



(A04)

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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
61433J2	2650S-1-1	25.0	R	H	T	415	R02	541	A5	28	0.77
61433J2	2650S-1-2	25.0	R	H	T	409	R02	538	A5	26	0.76
61438D3	2651S-1-1	30.0	R	H	T	415	REH	529	A5	25	0.78
61496C4	2711S-2-1	12.0	R	H	T	395	REH	527	A5	32	0.75
61543H3	2763S-1-2	20.0	R	H	T	422	REH	567	A5	25	0.74
61543H3	2763S-2-2	20.0	R	H	T	422	REH	567	A5	25	0.74
61543H2	2764S-2-2	20.0	R	H	T	438	REH	563	A5	28	0.78
61547D1	2816S-1-1	15.0	R	H	T	443	REH	571	A5	31	0.78
61547D1	2816S-2-1	15.0	R	H	T	443	REH	571	A5	31	0.78
61438D2	2831S-1-1	25.0	R	H	T	415	REH	529	A5	25	0.78
61438D2	2831S-1-2	25.0	R	H	T	415	REH	529	A5	25	0.78
61438D2	2831S-1-3	25.0	R	H	T	415	REH	529	A5	25	0.78
61543I5	2965S-2-1	12.0	R	H	T	458	REH	581	A5	28	0.79
61543I5	2965S-2-2	12.0	R	H	T	458	REH	581	A5	28	0.79
61543I3	2967S-2-1	15.0	R	H	T	458	REH	581	A5	28	0.79
61543I3	2967S-2-2	15.0	R	H	T	458	REH	581	A5	28	0.79
61543I2	2968S-1-1	15.0	R	H	T	458	REH	581	A5	28	0.79
61543I2	2968S-1-2	15.0	R	H	T	458	REH	581	A5	28	0.79
61543I2	2968S-2-1	15.0	R	H	T	458	REH	581	A5	28	0.79
61543I2	2968S-2-2	15.0	R	H	T	458	REH	581	A5	28	0.79
61497E1	3067S-2-1	20.0	R	H	T	392	R02	539	A5	27	0.73
61497E4	3108S-1-1	12.0	R	H	T	403	REH	546	A5	29	0.74
61497E4	3108S-1-2	12.0	R	H	T	403	REH	546	A5	29	0.74
61497E4	3108S-2-1	12.0	R	H	T	403	REH	546	A5	29	0.74
61497E4	3108S-2-2	12.0	R	H	T	403	REH	546	A5	29	0.74



(A01)

(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish



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(A02)

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Date of dispatch: 17.06.2022 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
61498F2	3218S-1-1	30.0	R	H	T	391	REH	546	A5	28	0.72
61498F3	3227S-1-1	30.0	R	H	T	391	REH	546	A5	28	0.72
61498F3	3227S-1-2	30.0	R	H	T	391	REH	546	A5	28	0.72
61498F3	3227S-1-3	30.0	R	H	T	391	REH	546	A5	28	0.72
61515B6	3248S-1-1	12.0	R	H	T	414	REH	523	A5	34	0.79
61515B6	3248S-1-2	12.0	R	H	T	414	REH	523	A5	34	0.79
61515B5	3250S-1-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B5	3250S-2-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B4	3272S-1-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B4	3272S-1-2	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B4	3272S-2-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B4	3272S-2-2	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B2	3276S-1-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B2	3276S-1-2	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B2	3276S-2-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B2	3276S-2-2	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B1	3278S-1-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515B1	3278S-2-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61489F4	3365S-2-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H4	3397S-1-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H4	3397S-2-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H3	3399S-1-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H3	3399S-1-2	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H3	3399S-2-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489H3	3399S-2-2	12.0	R	H	T	434	REH	539	A5	31	0.81



(A01)

(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 9 of 21

Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61489H1	3423S-1-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489I4	3460S-1-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489I4	3460S-1-2	12.0	R	H	T	434	REH	539	A5	31	0.81
61489I4	3460S-2-1	12.0	R	H	T	434	REH	539	A5	31	0.81
61489I4	3460S-2-2	12.0	R	H	T	434	REH	539	A5	31	0.81
61489I3	3482S-1-1	12.0	R	H	T	431	REH	530	A5	35	0.81
61489I3	3482S-1-2	12.0	R	H	T	431	REH	530	A5	35	0.81
61515F2	3649S-1-1	12.0	R	H	T	427	REH	528	A5	34	0.81
61585C2	3954S-1-1	20.0	R	H	T	409	R02	550	A5	24	0.74
61515G3	4188S-2-1	12.0	R	H	T	403	REH	523	A5	34	0.77
61515G3	4188S-2-2	12.0	R	H	T	403	REH	523	A5	34	0.77
61589I4	4223S-1-1	20.0	R	H	T	406	REH	554	A5	25	0.73
61589I4	4223S-1-2	20.0	R	H	T	406	REH	554	A5	25	0.73
61589I4	4223S-2-1	20.0	R	H	T	406	REH	554	A5	25	0.73
61589I4	4223S-2-2	20.0	R	H	T	406	REH	554	A5	25	0.73
61587A1	4240S-1-1	20.0	R	H	T	440	REH	570	A5	27	0.77
61587A2	4245S-2-1	15.0	R	H	T	449	REH	571	A5	25	0.79
61589J4	4250S-2-1	20.0	R	H	T	424	REH	568	A5	28	0.75
61589J2	4255S-1-1	16.0	R	H	T	433	REH	570	A5	30	0.76
61589J2	4255S-2-1	16.0	R	H	T	433	REH	570	A5	30	0.76
61591F6	4271S-1-1	15.0	R	H	T	461	REH	576	A5	25	0.80
61591F6	4271S-2-1	15.0	R	H	T	461	REH	576	A5	25	0.80
61591F6	4271S-2-2	15.0	R	H	T	461	REH	576	A5	25	0.80
61591F4	4272S-2-1	15.0	R	H	T	447	REH	583	A5	24	0.77
61591F4	4272S-2-2	15.0	R	H	T	447	REH	583	A5	24	0.77



(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)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61591F1	4276S-1-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591F1	4276S-1-2	15.0	R	H	T	468	REH	586	A5	28	0.80
61591F1	4276S-2-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591F1	4276S-2-2	15.0	R	H	T	468	REH	586	A5	28	0.80
61591F5	4281S-1-1	15.0	R	H	T	466	REH	588	A5	30	0.79
61591F5	4281S-2-1	15.0	R	H	T	466	REH	588	A5	30	0.79
61591F5	4281S-2-2	15.0	R	H	T	466	REH	588	A5	30	0.79
61591F2	4282S-1-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591F2	4282S-2-2	15.0	R	H	T	468	REH	586	A5	28	0.80
61589C1	4286S-1-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61589C1	4286S-2-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61589C4	4291S-1-1	20.0	R	H	T	430	REH	569	A5	28	0.76
61589D3	4296S-1-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61589D3	4296S-2-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61589C3	4297S-1-1	20.0	R	H	T	430	REH	569	A5	28	0.76
61589C3	4297S-1-2	20.0	R	H	T	430	REH	569	A5	28	0.76
61589C3	4297S-2-1	20.0	R	H	T	430	REH	569	A5	28	0.76
61589C3	4297S-2-2	20.0	R	H	T	430	REH	569	A5	28	0.76
61589C2	4301S-1-1	20.0	R	H	T	430	REH	569	A5	28	0.76
61589C2	4301S-1-2	20.0	R	H	T	430	REH	569	A5	28	0.76
61585A3	4322S-1-1	15.0	R	H	T	441	REH	565	A5	29	0.78
61585A3	4322S-1-2	15.0	R	H	T	441	REH	565	A5	29	0.78
61585A3	4322S-1-3	15.0	R	H	T	441	REH	565	A5	29	0.78
61586B1	4393S-1-1	20.0	R	H	T	422	R02	558	A5	28	0.76
61586B1	4393S-2-1	20.0	R	H	T	422	R02	558	A5	28	0.76



(A01)

(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin

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Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61588H3	4394S-1-1	20.0	R	H	T	450	R02	572	A5	28	0.79
61588H3	4394S-2-1	20.0	R	H	T	450	R02	572	A5	28	0.79
61588H3	4394S-2-2	20.0	R	H	T	450	R02	572	A5	28	0.79
61588H2	4397S-1-1	16.0	R	H	T	456	REH	570	A5	29	0.80
61588H2	4397S-2-1	16.0	R	H	T	456	REH	570	A5	29	0.80
61588H4	4403S-2-1	20.0	R	H	T	448	REH	569	A5	26	0.79
61588H4	4403S-2-2	20.0	R	H	T	448	REH	569	A5	26	0.79
61588H1	4404S-1-1	20.0	R	H	T	444	REH	565	A5	23	0.79
61588H1	4404S-1-2	20.0	R	H	T	444	REH	565	A5	23	0.79
61585G3	4407S-1-1	15.0	R	H	T	441	REH	565	A5	29	0.78
61585G3	4407S-1-2	15.0	R	H	T	441	REH	565	A5	29	0.78
61585G3	4407S-2-1	15.0	R	H	T	441	REH	565	A5	29	0.78
61585G3	4407S-2-2	15.0	R	H	T	441	REH	565	A5	29	0.78
61589B3	4413S-1-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61589B3	4413S-2-1	15.0	R	H	T	433	REH	570	A5	30	0.76
61588D4	4421S-1-1	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D4	4421S-1-2	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D4	4421S-2-2	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D2	4422S-1-1	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D2	4422S-1-2	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D2	4422S-2-1	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D2	4422S-2-2	20.0	R	H	T	444	REH	565	A5	23	0.79
61588D3	4440S-2-1	16.0	R	H	T	456	REH	570	A5	29	0.80
61586F4	4460S-1-1	20.0	R	H	T	422	R02	558	A5	28	0.76
61586F4	4460S-1-2	20.0	R	H	T	422	R02	558	A5	28	0.76



(A01)

(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swish

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Europe – Plate

Inspection Certificate

(A02)

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Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

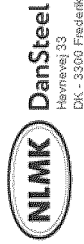
Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61586F4	4460S-2-1	20.0	R	H	T	422	R02	558	A5	28	0.76
61586F4	4460S-2-2	20.0	R	H	T	422	R02	558	A5	28	0.76
61586F3	4469S-1-1	16.0	R	H	T	454	REH	563	A5	30	0.81
61586F3	4469S-2-1	16.0	R	H	T	454	REH	563	A5	30	0.81
61586A3	4537S-1-1	20.0	R	H	T	422	R02	558	A5	28	0.76
61591I2	4609S-1-1	20.0	R	H	T	375	R02	542	A5	31	0.69
61591I2	4609S-1-2	20.0	R	H	T	375	R02	542	A5	31	0.69
61591I2	4609S-2-1	20.0	R	H	T	375	R02	542	A5	31	0.69
61591I2	4609S-2-2	20.0	R	H	T	375	R02	542	A5	31	0.69
61592I4	4620S-1-1	15.0	R	H	T	459	REH	566	A5	29	0.81
61592I4	4620S-2-1	15.0	R	H	T	459	REH	566	A5	29	0.81
61591I4	4630S-1-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591I4	4630S-2-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591G1	4732S-1-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591G1	4732S-2-1	15.0	R	H	T	468	REH	586	A5	28	0.80
61591G5	4733S-1-1	20.0	R	H	T	375	R02	542	A5	31	0.69
61591G5	4733S-2-1	20.0	R	H	T	375	R02	542	A5	31	0.69
61585G2	4752S-1-1	20.0	R	H	T	419	R02	552	A5	26	0.76
61585G2	4752S-2-1	20.0	R	H	T	419	R02	552	A5	26	0.76
61518E3	4790S-1-1	20.0	R	H	T	391	R02	545	A5	24	0.72
61517J2	4903S-1-1	20.0	R	H	T	411	REH	556	A5	28	0.74
61496I5	5381S-2-1	15.0	R	H	T	419	REH	550	A5	31	0.76
61518I3	5382S-1-1	20.0	R	H	T	391	R02	545	A5	24	0.72
61518I3	5382S-1-2	20.0	R	H	T	391	R02	545	A5	24	0.72
61518I3	5382S-1-3	20.0	R	H	T	391	R02	545	A5	24	0.72



(A01)

(A04)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin

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Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

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Date of creation: (Z02) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
6151815	5411S-1-1	20.0	R	H	T	391	R02	545	A5	24	0.72
6151815	5411S-1-2	20.0	R	H	T	391	R02	545	A5	24	0.72
6151812	5420S-1-1	16.0	R	H	T	451	REH	567	A5	28	0.80
6151814	5440S-1-1	20.0	R	H	T	391	R02	545	A5	24	0.72
6151814	5440S-2-1	20.0	R	H	T	391	R02	545	A5	24	0.72
6151814	5440S-2-2	20.0	R	H	T	391	R02	545	A5	24	0.72
61467A4	6676S-1-1	20.0	R	H	T	476	REH	581	A5	30	0.82
61467A4	6676S-2-1	20.0	R	H	T	476	REH	581	A5	30	0.82
61655E1	6812S-2-1	16.0	R	H	T	450	REH	559	A5	26	0.81
61370B2	7589R-1-1	20.0	R	H	T	418	REH	568	A5	23	0.74
61370B2	7589R-2-1	20.0	R	H	T	418	REH	568	A5	23	0.74
61372A3	7796R-2-1	30.0	R	H	T	425	REH	573	A5	27	0.74
61372A3	7796R-2-2	30.0	R	H	T	425	REH	573	A5	27	0.74
61372A2	7797R-1-1	20.0	R	H	T	425	REH	573	A5	27	0.74
61366A3	7799R-1-1	30.0	R	H	T	412	REH	552	A5	25	0.75
61366A3	7799R-1-2	30.0	R	H	T	412	REH	552	A5	25	0.75
61366A3	7799R-2-1	30.0	R	H	T	423	REH	562	A5	27	0.75
61366A3	7799R-2-2	30.0	R	H	T	412	REH	552	A5	25	0.75

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



(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) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61433J2	2650S-1-1	1	CV	10x10	H	L	-20	237	189	229	218		
61433J2	2650S-1-2	1	CV	10x10	H	L	-20	235	233	131	200		
61438D3	2651S-1-1	1	CV	10x10	H	L	-20	178	178	174	177		
61496C4	2711S-2-1	1	CV	10x10	H	L	-20	136	127	130	131		
61543H3	2763S-1-2	1	CV	10x10	H	L	-20	181	209	180	190		
61543H3	2763S-2-2	1	CV	10x10	H	L	-20	181	209	180	190		
61543H2	2764S-2-2	1	CV	10x10	H	L	-20	216	215	207	213		
61547D1	2816S-1-1	1	CV	10x10	H	L	-20	127	132	133	131		
61547D1	2816S-2-1	1	CV	10x10	H	L	-20	127	132	133	131		
61438D2	2831S-1-1	1	CV	10x10	H	L	-20	178	178	174	177		
61438D2	2831S-1-2	1	CV	10x10	H	L	-20	178	178	174	177		
61438D2	2831S-1-3	1	CV	10x10	H	L	-20	178	178	174	177		
61543I5	2965S-2-1	1	CV	10x10	H	L	-20	214	208	214	212		
61543I5	2965S-2-2	1	CV	10x10	H	L	-20	214	208	214	212		
61543I3	2967S-2-1	1	CV	10x10	H	L	-20	214	208	214	212		
61543I3	2967S-2-2	1	CV	10x10	H	L	-20	214	208	214	212		
61543I2	2968S-1-1	1	CV	10x10	H	L	-20	214	208	214	212		
61543I2	2968S-1-2	1	CV	10x10	H	L	-20	214	208	214	212		
61543I2	2968S-2-1	1	CV	10x10	H	L	-20	214	208	214	212		
61543I2	2968S-2-2	1	CV	10x10	H	L	-20	214	208	214	212		
61497E1	3067S-2-1	1	CV	10x10	H	L	-20	216	199	197	204		
61497E4	3108S-1-1	1	CV	10x10	H	L	-20	161	187	172	173		
61497E4	3108S-1-2	1	CV	10x10	H	L	-20	161	187	172	173		
61497E4	3108S-2-1	1	CV	10x10	H	L	-20	161	187	172	173		
61497E4	3108S-2-2	1	CV	10x10	H	L	-20	161	187	172	173		



(A04)

(A01)

Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 15 of 21

Date of creation: (Z02) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

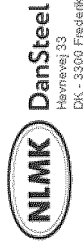
Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61498F2	3218S-1-1	1	CV	10x10	H	L	-20	169	178	161	169	161	169
61498F3	3227S-1-1	1	CV	10x10	H	L	-20	169	178	161	169	161	169
61498F3	3227S-1-2	1	CV	10x10	H	L	-20	169	178	161	169	161	169
61498F3	3227S-1-3	1	CV	10x10	H	L	-20	169	178	161	169	161	169
61515B6	3248S-1-1	1	CV	10x10	H	L	-20	209	213	255	226	255	226
61515B6	3248S-1-2	1	CV	10x10	H	L	-20	209	213	255	226	255	226
61515B5	3250S-1-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B5	3250S-2-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B4	3272S-1-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B4	3272S-1-2	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B4	3272S-2-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B4	3272S-2-2	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B2	3276S-1-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B2	3276S-1-2	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B2	3276S-2-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B2	3276S-2-2	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B1	3278S-1-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515B1	3278S-2-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61489F4	3365S-2-1	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61489H4	3397S-1-1	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489H4	3397S-2-1	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489H3	3399S-1-1	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489H3	3399S-1-2	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489H3	3399S-2-1	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489H3	3399S-2-2	1	CV	10x10	H	L	-20	242	223	255	240	255	240



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin

Havnavej 33
DK - 3300 Frederiksøer



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 16 of 21

Date of creation: (Z02) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

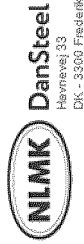
Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61489H1	3423S-1-1	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61489I4	3460S-1-1	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489I4	3460S-1-2	1	CV	10x10	H	L	-20	242	223	255	240	255	240
61489I4	3460S-2-1	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61489I4	3460S-2-2	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61489I3	3482S-1-1	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61489I3	3482S-1-2	1	CV	10x10	H	L	-20	159	195	174	176	174	176
61515F2	3649S-1-1	1	CV	10x10	H	L	-20	180	174	172	175	172	175
61585C2	3954S-1-1	1	CV	10x10	H	L	-20	174	162	173	170	173	170
61515G3	4188S-2-1	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61515G3	4188S-2-2	1	CV	10x10	H	L	-20	157	171	152	160	152	160
61589I4	4223S-1-1	1	CV	10x10	H	L	-20	162	151	146	153	146	153
61589I4	4223S-1-2	1	CV	10x10	H	L	-20	162	151	146	153	146	153
61589I4	4223S-2-1	1	CV	10x10	H	L	-20	162	151	146	153	146	153
61589I4	4223S-2-2	1	CV	10x10	H	L	-20	162	151	146	153	146	153
61587A1	4240S-1-1	1	CV	10x10	H	L	-20	181	197	173	184	173	184
61587A2	4245S-2-1	1	CV	10x10	H	L	-20	175	160	148	161	148	161
61589J4	4250S-2-1	1	CV	10x10	H	L	-20	158	188	211	186	211	186
61589J2	4255S-1-1	1	CV	10x10	H	L	-20	206	214	217	212	217	212
61589J2	4255S-2-1	1	CV	10x10	H	L	-20	206	214	217	212	217	212
61591F6	4271S-1-1	1	CV	10x10	H	L	-20	214	213	225	217	225	217
61591F6	4271S-2-1	1	CV	10x10	H	L	-20	214	213	225	217	225	217
61591F6	4271S-2-2	1	CV	10x10	H	L	-20	214	213	225	217	225	217
61591F4	4272S-2-1	1	CV	10x10	H	L	-20	179	190	198	189	198	189
61591F4	4272S-2-2	1	CV	10x10	H	L	-20	179	190	198	189	198	189



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin

Havnevej 33
DK - 3300 Frederiksøer



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Date of creation: (Z02) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

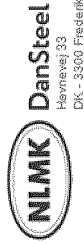
Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61591F1	4276S-1-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591F1	4276S-1-2	1	CV	10x10	H	L	-20	176	183	193	184		
61591F1	4276S-2-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591F1	4276S-2-2	1	CV	10x10	H	L	-20	176	183	193	184		
61591F5	4281S-1-1	1	CV	10x10	H	L	-20	163	144	144	150		
61591F5	4281S-2-1	1	CV	10x10	H	L	-20	163	144	144	150		
61591F5	4281S-2-2	1	CV	10x10	H	L	-20	163	144	144	150		
61591F2	4282S-1-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591F2	4282S-2-2	1	CV	10x10	H	L	-20	176	183	193	184		
61589C1	4286S-1-1	1	CV	10x10	H	L	-20	206	214	217	212		
61589C1	4286S-2-1	1	CV	10x10	H	L	-20	206	214	217	212		
61589C4	4291S-1-1	1	CV	10x10	H	L	-20	244	192	81	172		
61589D3	4296S-1-1	1	CV	10x10	H	L	-20	206	214	217	212		
61589D3	4296S-2-1	1	CV	10x10	H	L	-20	206	214	217	212		
61589C3	4297S-1-1	1	CV	10x10	H	L	-20	244	192	81	172		
61589C3	4297S-1-2	1	CV	10x10	H	L	-20	244	192	81	172		
61589C3	4297S-2-1	1	CV	10x10	H	L	-20	244	192	81	172		
61589C3	4297S-2-2	1	CV	10x10	H	L	-20	244	192	81	172		
61589C2	4301S-1-1	1	CV	10x10	H	L	-20	244	192	81	172		
61589C2	4301S-1-2	1	CV	10x10	H	L	-20	244	192	81	172		
61585A3	4322S-1-1	1	CV	10x10	H	L	-20	120	120	114	118		
61585A3	4322S-1-2	1	CV	10x10	H	L	-20	120	120	114	118		
61585A3	4322S-1-3	1	CV	10x10	H	L	-20	120	120	114	118		
61586B1	4393S-1-1	1	CV	10x10	H	L	-20	191	222	231	215		
61586B1	4393S-2-1	1	CV	10x10	H	L	-20	191	222	231	215		



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 18 of 21

Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

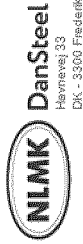
Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61588H3	4394S-1-1	1	CV	10x10	H	L	-20	161	138	159	153		
61588H3	4394S-2-1	1	CV	10x10	H	L	-20	161	138	159	153		
61588H3	4394S-2-2	1	CV	10x10	H	L	-20	161	138	159	153		
61588H2	4397S-1-1	1	CV	10x10	H	L	-20	228	223	229	227		
61588H2	4397S-2-1	1	CV	10x10	H	L	-20	228	223	229	227		
61588H4	4403S-2-1	1	CV	10x10	H	L	-20	196	208	184	196		
61588H4	4403S-2-2	1	CV	10x10	H	L	-20	196	208	184	196		
61588H1	4404S-1-1	1	CV	10x10	H	L	-20	202	214	183	200		
61588H1	4404S-1-2	1	CV	10x10	H	L	-20	202	214	183	200		
61585G3	4407S-1-1	1	CV	10x10	H	L	-20	120	120	114	118		
61585G3	4407S-1-2	1	CV	10x10	H	L	-20	120	120	114	118		
61585G3	4407S-2-1	1	CV	10x10	H	L	-20	120	120	114	118		
61585G3	4407S-2-2	1	CV	10x10	H	L	-20	120	120	114	118		
61589B3	4413S-1-1	1	CV	10x10	H	L	-20	206	214	217	212		
61589B3	4413S-2-1	1	CV	10x10	H	L	-20	206	214	217	212		
61588D4	4421S-1-1	1	CV	10x10	H	L	-20	202	214	183	200		
61588D4	4421S-1-2	1	CV	10x10	H	L	-20	202	214	183	200		
61588D4	4421S-2-2	1	CV	10x10	H	L	-20	202	214	183	200		
61588D2	4422S-1-1	1	CV	10x10	H	L	-20	202	214	183	200		
61588D2	4422S-1-2	1	CV	10x10	H	L	-20	202	214	183	200		
61588D2	4422S-2-1	1	CV	10x10	H	L	-20	202	214	183	200		
61588D2	4422S-2-2	1	CV	10x10	H	L	-20	202	214	183	200		
61588D3	4440S-2-1	1	CV	10x10	H	L	-20	228	223	229	227		
61586F4	4460S-1-1	1	CV	10x10	H	L	-20	191	222	231	215		
61586F4	4460S-1-2	1	CV	10x10	H	L	-20	191	222	231	215		



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin

Havnavej 33
DK - 3300 Frederiksøer



Europe – Plate

Inspection Certificate

EN 10204:2004/3.1

Date of creation: (Z02) 17.06.2022

Certificate No.: (A03) 145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

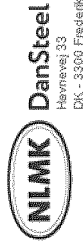
Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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
61586F4	4460S-2-1	1	CV	10x10	H	L	-20	191	222	231	215		
61586F4	4460S-2-2	1	CV	10x10	H	L	-20	191	222	231	215		
61586F3	4469S-1-1	1	CV	10x10	H	L	-20	224	214	236	225		
61586F3	4469S-2-1	1	CV	10x10	H	L	-20	224	214	236	225		
61586A3	4537S-1-1	1	CV	10x10	H	L	-20	191	222	231	215		
61591I2	4609S-1-1	1	CV	10x10	H	L	-20	138	184	193	172		
61591I2	4609S-1-2	1	CV	10x10	H	L	-20	138	184	193	172		
61591I2	4609S-2-1	1	CV	10x10	H	L	-20	138	184	193	172		
61591I2	4609S-2-2	1	CV	10x10	H	L	-20	138	184	193	172		
61592I4	4620S-1-1	1	CV	10x10	H	L	-20	183	185	195	188		
61592I4	4620S-2-1	1	CV	10x10	H	L	-20	183	185	195	188		
61591I4	4630S-1-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591I4	4630S-2-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591G1	4732S-1-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591G1	4732S-2-1	1	CV	10x10	H	L	-20	176	183	193	184		
61591G5	4733S-1-1	1	CV	10x10	H	L	-20	138	184	193	172		
61591G5	4733S-2-1	1	CV	10x10	H	L	-20	138	184	193	172		
61585G2	4752S-1-1	1	CV	10x10	H	L	-20	122	119	104	115		
61585G2	4752S-2-1	1	CV	10x10	H	L	-20	122	119	104	115		
61518E3	4790S-1-1	1	CV	10x10	H	L	-20	171	214	217	201		
61517J2	4903S-1-1	1	CV	10x10	H	L	-20	156	182	184	174		
61496I5	5381S-2-1	1	CV	10x10	H	L	-20	131	128	123	127		
61518I3	5382S-1-1	1	CV	10x10	H	L	-20	171	214	217	201		
61518I3	5382S-1-2	1	CV	10x10	H	L	-20	171	214	217	201		
61518I3	5382S-1-3	1	CV	10x10	H	L	-20	171	214	217	201		



(A01)

(A04)



Inspection representative NLMK DanSteel A/S (A05)

Zibrandt Greisen

Z. Swishin



Europe – Plate

Inspection Certificate

(A02)

EN 10204:2004/3.1

Page 20 of 21

Date of creation: (Z02)

17.06.2022

Certificate No.: (A03)

145420/2

Our order No.: (A08) 2386131

Your order No.: (A07) P097977

Order registration date: 01.04.2022

Date of dispatch: 17.06.2022 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 J (C42)	SV J (C42)	SV J (C42)	AV J (C43)
6151815	5411S-1-1	1	CV	10x10	H	L	-20	171	214	217	201
6151815	5411S-1-2	1	CV	10x10	H	L	-20	171	214	217	201
6151812	5420S-1-1	1	CV	10x10	H	L	-20	224	213	236	224
6151814	5440S-1-1	1	CV	10x10	H	L	-20	171	214	217	201
6151814	5440S-2-1	1	CV	10x10	H	L	-20	171	214	217	201
6151814	5440S-2-2	1	CV	10x10	H	L	-20	171	214	217	201
61467A4	6676S-1-1	1	CV	10x10	H	L	-20	256	257	249	254
61467A4	6676S-2-1	1	CV	10x10	H	L	-20	256	257	249	254
61655E1	6812S-2-1	1	CV	10x10	H	L	-20	231	249	272	251
61370B2	7589R-1-1	1	CV	10x10	H	L	-20	183	163	177	174
61370B2	7589R-2-1	1	CV	10x10	H	L	-20	183	163	177	174
61372A3	7796R-2-1	1	CV	10x10	H	L	-20	127	215	163	168
61372A3	7796R-2-2	1	CV	10x10	H	L	-20	127	215	163	168
61372A2	7797R-1-1	1	CV	10x10	H	L	-20	127	215	163	168
61366A3	7799R-1-1	1	CV	10x10	H	L	-20	106	76	115	99
61366A3	7799R-1-2	1	CV	10x10	H	L	-20	106	76	115	99
61366A3	7799R-2-1	1	CV	10x10	H	L	-20	82	124	111	106
61366A3	7799R-2-2	1	CV	10x10	H	L	-20	106	76	115	99

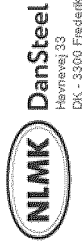
Supplementary information (C99)

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. Swishin



Europe – Plate

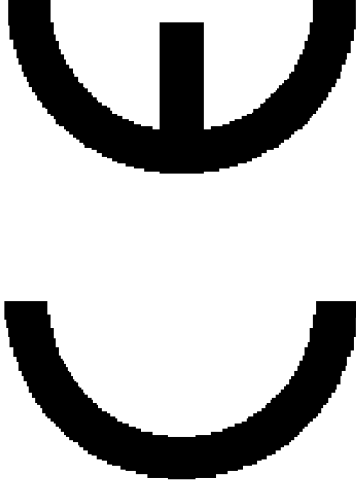
Inspection Certificate ^(A02)

EN 10204:2004/3.1

Page 21 of 21
Date of creation: ^(Z02) 17.06.2022
Certificate No.: ^(A03) 145420/2

Our order No.: ^(A08) 2386131 **Your order No.:** ^(A07) P097977 **Order registration date:** 01.04.2022 **Date of dispatch:** 17.06.2022 **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 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



^(A01)

^(A04)



Inspection representative NLMK DanSteel A/S ^(A05)

Zibrandt Greisen

Z. Swish

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	