

Our order No.: (A08) 1359481 Your order No.: (A07) 1115055 Order registration date: 21.05.2021 Date of dispatch: 25.06.2021 B

Material requirements and customer information

Product: <small>(A03)</small> Plate	Steel standard and grade: <small>(B02)</small> EN10025-2:2019 S355K2	Surface tolerance: EN 10163-2 B3
Delivery condition: <small>(B04)</small> Normalized rolled (+N)		Length tolerance: EN 10029 Table 3
Customer name and address <small>(A06)</small>	Certificate address	Width tolerance: EN 10029 Table 2
4002	4002001	Thickness tolerance: EN 10029 Class B
FEON OY	FEON OY	Flatness tolerance: EN 10029 Table 4 Class N
Teollisuuskatu 33	Finland	
00510 Helsinki		
Finland	purchase@feon.fi;a.faktarauskas@eu.nlmk.com	

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 <small>(B07)</small>	Plate No. <small>(B06)</small>	Item	Thickness mm <small>(B09)</small>	Width mm <small>(B10)</small>	Length mm <small>(B11)</small>	Pieces <small>(B08)</small>	Gross kg <small>(B12)</small>	Hard stamp	Stamp location	Customer remark <small>(B99)</small>
58787L6	4016E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58787L5	4017E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58787L4	4018E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58787L3	4027E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58787L2	4028E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
59154K7	4067E	1	8.0	2000	6000	2	1 508	S355K2+N	Head	1115055
59154K6	4068E	1	8.0	2000	6000	2	1 508	S355K2+N	Head	1115055
59154K5	4109E	1	8.0	2000	6000	2	1 508	S355K2+N	Head	1115055
58646G5	4195E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58646G4	4196E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055

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58646G3	4197E	1	8.0	2000	6000	3	2 262	S355K2+N	Head	1115055
58787P3	4125E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58787P2	4126E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58787N3	4192E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58787N2	4193E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58787N1	4194E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58646G1	4199E	3	10.0	2000	6000	3	2 826	S355K2+N	Head	1115055
59360H3	5887E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
59360H4	5896E	3	10.0	2000	6000	2	1 884	S355K2+N	Head	1115055
59360H2	5897E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58646A5	8962E	3	10.0	2000	6000	4	3 768	S355K2+N	Head	1115055
58646A4	8963E	3	10.0	2000	6000	3	2 826	S355K2+N	Head	1115055
59336I2	4876E	4	10.0	2500	6000	1	1 178	S355K2+N	Head	1115055
59334G3	4896E	4	10.0	2500	6000	4	4 712	S355K2+N	Head	1115055
59336I5	4916E	4	10.0	2500	6000	2	2 356	S355K2+N	Head	1115055
59336I3	4926E	4	10.0	2500	6000	3	3 534	S355K2+N	Head	1115055
59324I1	4957E	4	10.0	2500	6000	1	1 178	S355K2+N	Head	1115055
59360A3	5005E	4	10.0	2500	6000	1	1 178	S355K2+N	Head	1115055
59360E3	5054E	4	10.0	2500	6000	4	4 712	S355K2+N	Head	1115055
59360E2	5056E	4	10.0	2500	6000	4	4 712	S355K2+N	Head	1115055
59360E5	5096E	4	10.0	2500	6000	4	4 712	S355K2+N	Head	1115055
59258A1	3957E	5	10.0	2500	8000	1	1 570	S355K2+N	Head	1115055
59324I4	4875E	6	12.0	2000	6000	4	4 520	S355K2+N	Head	1115055
59324I3	4895E	6	12.0	2000	6000	4	4 520	S355K2+N	Head	1115055
59336I4	4915E	6	12.0	2000	6000	4	4 520	S355K2+N	Head	1115055
59336I1	4925E	6	12.0	2000	6000	4	4 520	S355K2+N	Head	1115055
59360E6	5085E	6	12.0	2000	6000	3	3 390	S355K2+N	Head	1115055

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Heat/Slab <small>(B07)</small>	Plate No. <small>(B06)</small>	Item	Thickness mm <small>(B09)</small>	Width mm <small>(B10)</small>	Length mm <small>(B11)</small>	Pieces <small>(B08)</small>	Gross kg <small>(B12)</small>	Hard stamp	Stamp location	Customer remark <small>(B99)</small>
59247C2	8216E	6	12.0	2000	6000	1	1 130	S355K2+N	Head	1115055
59334H5	4607E	8	15.0	2000	6000	2	2 826	S355K2+N	Head	1115055
59334H3	4608E	8	15.0	2000	6000	2	2 826	S355K2+N	Head	1115055
59334H4	4617E	8	15.0	2000	6000	1	1 413	S355K2+N	Head	1115055
59442A4	7353E	8	15.0	2000	6000	2	2 826	S355K2+N	Head	1115055
59442H6	8938E	8	15.0	2000	6000	3	4 239	S355K2+N	Head	1115055
59449I1	8976E	8	15.0	2000	6000	1	1 413	S355K2+N	Head	1115055
59451I3	9014E	8	15.0	2000	6000	2	2 826	S355K2+N	Head	1115055
59334H1	4687E	9	16.0	2000	6000	3	4 521	S355K2+N	Head	1115055
59334G2	4805E	9	16.0	2000	6000	2	3 014	S355K2+N	Head	1115055
59334G4	4806E	9	16.0	2000	6000	3	4 521	S355K2+N	Head	1115055
59334G5	4817E	9	16.0	2000	6000	1	1 507	S355K2+N	Head	1115055
59390B3	7139E	9	16.0	2000	6000	2	3 014	S355K2+N	Head	1115055
59390B4	7148E	9	16.0	2000	6000	4	6 028	S355K2+N	Head	1115055
59448I3	8986E	9	16.0	2000	6000	3	4 521	S355K2+N	Head	1115055
59249H4	3445E	11	18.0	2000	6000	4	6 784	S355K2+N	Head	1115055
59258I2	3675E	11	18.0	2000	6000	4	6 784	S355K2+N	Head	1115055
59249C1	3341E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59249E1	3415E	12	20.0	2000	6000	3	5 652	S355K2+N	Head	1115055
59249E2	3425E	12	20.0	2000	6000	3	5 652	S355K2+N	Head	1115055
59258H2	3493E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258H3	3503E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258H4	3504E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59249G1	3523E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59249G3	3524E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258D1	3574E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258D4	3623E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055

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59258G3	3674E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258F2	3741E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258F1	3761E	12	20.0	2000	6000	4	7 536	S355K2+N	Head	1115055
59258I1	3643E	13	20.0	2500	6000	1	2 355	S355K2+N	Head	1115055
59258B2	3665E	13	20.0	2500	6000	1	2 355	S355K2+N	Head	1115055
59258A2	3685E	13	20.0	2500	6000	1	2 355	S355K2+N	Head	1115055
59258B3	3694E	13	20.0	2500	6000	1	2 355	S355K2+N	Head	1115055
59258B1	3740E	13	20.0	2500	6000	1	2 355	S355K2+N	Head	1115055
59249C2	3332E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59258C4	3563E	15	25.0	2000	6000	3	7 065	S355K2+N	Head	1115055
59258E2	3594E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59258E3	3613E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59256C1	3654E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59256C3	3655E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59256C2	3684E	15	25.0	2000	6000	4	9 420	S355K2+N	Head	1115055
59400D2	3800E	15	25.0	2000	6000	2	4 710	S355K2+N	Head	1115055
59360A1	4836E	15	25.0	2000	6000	1	2 355	S355K2+N	Head	1115055
						239	348 430			

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Chemical composition (heat analysis) all results in %

Heat No. <small>(B07)</small>	C	Mn	Si	P	S	Cr	Cu	Ni	Mo	Al	Nb	V	Ti	N	B
Set values:	min.		0.15							0.020					
	max.	0.20	1.60	0.25	0.025	0.290	0.400	0.300	0.080	0.100	0.060	0.100	0.050	0.0120	0.0008
58646	0.15	1.38	0.19	0.016	0.006	0.024	0.038	0.019	0.003	0.042	0.017	0.002	0.001	0.0035	0.0002
58787	0.15	1.39	0.18	0.011	0.002	0.020	0.032	0.016	0.004	0.042	0.017	0.001	0.001	0.0034	0.0001
59154	0.16	1.45	0.19	0.015	0.003	0.038	0.037	0.023	0.008	0.044	0.019	0.002	0.002	0.0039	0.0002
59247	0.16	1.39	0.20	0.011	0.005	0.024	0.032	0.018	0.005	0.046	0.016	0.002	0.002	0.0045	0.0002
59249	0.17	1.49	0.19	0.013	0.006	0.036	0.037	0.018	0.005	0.038	0.018	0.003	0.002	0.0034	0.0002
59256	0.17	1.51	0.19	0.011	0.009	0.029	0.037	0.020	0.004	0.035	0.017	0.002	0.002	0.0030	0.0001
59258	0.17	1.50	0.17	0.011	0.006	0.038	0.040	0.018	0.006	0.036	0.017	0.002	0.001	0.0033	0.0002
59324	0.17	1.46	0.20	0.010	0.011	0.015	0.015	0.008	0.004	0.036	0.043	0.002	0.002	0.0042	0.0001
59334	0.17	1.49	0.20	0.011	0.014	0.031	0.045	0.024	0.005	0.042	0.042	0.002	0.002	0.0039	0.0002
59336	0.17	1.46	0.22	0.016	0.009	0.036	0.049	0.021	0.007	0.038	0.039	0.003	0.002	0.0040	0.0002
59360	0.17	1.47	0.20	0.013	0.014	0.039	0.042	0.028	0.005	0.042	0.043	0.002	0.002	0.0042	0.0002
59390	0.18	1.54	0.20	0.016	0.007	0.043	0.042	0.027	0.001	0.044	0.042	0.001	0.001	0.0039	0.0002
59400	0.14	1.45	0.18	0.015	0.006	0.024	0.020	0.017	0.001	0.043	0.042	0.001	0.001	0.0038	0.0001
59442	0.17	1.51	0.21	0.016	0.005	0.036	0.048	0.024	0.007	0.038	0.042	0.001	0.001	0.0036	0.0003
59448	0.16	1.47	0.19	0.016	0.006	0.050	0.053	0.070	0.008	0.038	0.016	0.001	0.001	0.0037	0.0004
59449	0.17	1.48	0.22	0.014	0.006	0.027	0.032	0.018	0.006	0.036	0.043	0.001	0.001	0.0040	0.0004
59451	0.18	1.52	0.23	0.012	0.006	0.031	0.036	0.018	0.007	0.036	0.045	0.001	0.001	0.0034	0.0003

Heat No. <small>(B07)</small>	CEV	Remark <small>(C70)</small>
Set values:	min.	
	max.	0.45
58646	0.39	1 3 4 6
58787	0.39	1 3 4 5 6
59154	0.41	1 3 4 6
59247	0.40	1 3 4 6
59249	0.43	1 3 4 6
59256	0.44	1 3 4 6

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Chemical composition (heat analysis) all results in %

Heat No. <small>(B07)</small>	CEV	Remark <small>(C70)</small>
Set values:	min.	
	max. 0.45	
59258	0.44	1 3 4 6
59324	0.41	1 3 4 6
59334	0.43	1 3 4 6
59336	0.43	1 3 4 6
59360	0.43	1 3 4 6
59390	0.45	1 3 4 6
59400	0.39	1 3 4 6
59442	0.44	1 3 4 6
59448	0.43	1 3 4 6
59449	0.43	1 3 4 6
59451	0.44	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

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Tensile testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59249C2	3332E-1-1	25.0	R	H	T	393	R02	557	A5	28	0.71
59249C2	3332E-1-2	25.0	R	H	T	393	R02	557	A5	28	0.71
59249C2	3332E-2-1	25.0	R	H	T	393	R02	557	A5	28	0.71
59249C2	3332E-2-2	25.0	R	H	T	393	R02	557	A5	28	0.71
59249C1	3341E-1-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249C1	3341E-1-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249C1	3341E-2-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249C1	3341E-2-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E1	3415E-1-3	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E1	3415E-2-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E1	3415E-2-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E2	3425E-1-3	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E2	3425E-2-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249E2	3425E-2-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249H4	3445E-1-1	18.0	R	H	T	421	REH	553	A5	27	0.76
59249H4	3445E-1-2	18.0	R	H	T	421	REH	553	A5	27	0.76
59249H4	3445E-2-1	18.0	R	H	T	421	REH	553	A5	27	0.76
59249H4	3445E-2-2	18.0	R	H	T	421	REH	553	A5	27	0.76
59258H2	3493E-1-1	20.0	R	H	T	385	REH	537	A5	27	0.72
59258H2	3493E-1-2	20.0	R	H	T	385	REH	537	A5	27	0.72
59258H2	3493E-2-1	20.0	R	H	T	385	REH	537	A5	27	0.72
59258H2	3493E-2-2	20.0	R	H	T	385	REH	537	A5	27	0.72
59258H3	3503E-1-1	20.0	R	H	T	407	REH	548	A5	27	0.74
59258H3	3503E-1-2	20.0	R	H	T	407	REH	548	A5	27	0.74
59258H3	3503E-2-1	20.0	R	H	T	407	REH	548	A5	27	0.74

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59258H3	3503E-2-2	20.0	R	H	T	407	REH	548	A5	27	0.74
59258H4	3504E-1-1	20.0	R	H	T	380	R02	541	A5	27	0.70
59258H4	3504E-1-2	20.0	R	H	T	380	R02	541	A5	27	0.70
59258H4	3504E-2-1	20.0	R	H	T	380	R02	541	A5	27	0.70
59258H4	3504E-2-2	20.0	R	H	T	380	R02	541	A5	27	0.70
59249G1	3523E-1-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G1	3523E-1-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G1	3523E-2-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G1	3523E-2-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G3	3524E-1-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G3	3524E-1-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G3	3524E-2-1	20.0	R	H	T	421	REH	553	A5	27	0.76
59249G3	3524E-2-2	20.0	R	H	T	421	REH	553	A5	27	0.76
59258C4	3563E-1-1	25.0	R	H	T	380	R02	541	A5	27	0.70
59258C4	3563E-2-1	25.0	R	H	T	380	R02	541	A5	27	0.70
59258C4	3563E-2-2	25.0	R	H	T	380	R02	541	A5	27	0.70
59258D1	3574E-1-1	20.0	R	H	T	380	R02	541	A5	27	0.70
59258D1	3574E-1-2	20.0	R	H	T	380	R02	541	A5	27	0.70
59258D1	3574E-2-1	20.0	R	H	T	380	R02	541	A5	27	0.70
59258D1	3574E-2-2	20.0	R	H	T	380	R02	541	A5	27	0.70
59258E2	3594E-1-1	25.0	R	H	T	384	REH	546	A5	25	0.70
59258E2	3594E-1-2	25.0	R	H	T	384	REH	546	A5	25	0.70
59258E2	3594E-2-1	25.0	R	H	T	384	REH	546	A5	25	0.70
59258E2	3594E-2-2	25.0	R	H	T	384	REH	546	A5	25	0.70
59258E3	3613E-1-1	25.0	R	H	T	433	REH	549	A5	31	0.79

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Tensile testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59258E3	3613E-1-2	25.0	R	H	T	433	REH	549	A5	31	0.79
59258E3	3613E-2-1	25.0	R	H	T	433	REH	549	A5	31	0.79
59258E3	3613E-2-2	25.0	R	H	T	433	REH	549	A5	31	0.79
59258D4	3623E-1-1	20.0	R	H	T	433	REH	549	A5	31	0.79
59258D4	3623E-1-2	20.0	R	H	T	433	REH	549	A5	31	0.79
59258D4	3623E-2-1	20.0	R	H	T	433	REH	549	A5	31	0.79
59258D4	3623E-2-2	20.0	R	H	T	433	REH	549	A5	31	0.79
59258I1	3643E-1-1	20.0	R	H	T	431	REH	549	A5	26	0.79
59256C1	3654E-1-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C1	3654E-1-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C1	3654E-2-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C1	3654E-2-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C3	3655E-1-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C3	3655E-1-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C3	3655E-2-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C3	3655E-2-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59258B2	3665E-2-2	20.0	R	H	T	431	REH	549	A5	26	0.79
59258G3	3674E-1-1	20.0	R	H	T	431	REH	549	A5	26	0.79
59258G3	3674E-1-2	20.0	R	H	T	431	REH	549	A5	26	0.79
59258G3	3674E-2-1	20.0	R	H	T	431	REH	549	A5	26	0.79
59258G3	3674E-2-2	20.0	R	H	T	431	REH	549	A5	26	0.79
59258I2	3675E-1-1	18.0	R	H	T	431	REH	549	A5	26	0.79
59258I2	3675E-1-2	18.0	R	H	T	431	REH	549	A5	26	0.79
59258I2	3675E-2-1	18.0	R	H	T	431	REH	549	A5	26	0.79
59258I2	3675E-2-2	18.0	R	H	T	431	REH	549	A5	26	0.79

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Order registration date: 21.05.2021

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59256C2	3684E-1-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C2	3684E-1-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C2	3684E-2-1	25.0	R	H	T	417	REH	549	A5	32	0.76
59256C2	3684E-2-2	25.0	R	H	T	417	REH	549	A5	32	0.76
59258A2	3685E-1-1	20.0	R	H	T	406	REH	539	A5	27	0.75
59258B3	3694E-1-1	20.0	R	H	T	431	REH	549	A5	26	0.79
59258B1	3740E-2-2	20.0	R	H	T	431	REH	549	A5	26	0.79
59258F2	3741E-1-1	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F2	3741E-1-2	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F2	3741E-2-1	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F2	3741E-2-2	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F1	3761E-1-1	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F1	3761E-1-2	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F1	3761E-2-1	20.0	R	H	T	406	REH	539	A5	27	0.75
59258F1	3761E-2-2	20.0	R	H	T	406	REH	539	A5	27	0.75
59400D2	3800E-1-1	25.0	R	H	T	407	REH	542	A5	26	0.75
59400D2	3800E-1-2	25.0	R	H	T	407	REH	542	A5	26	0.75
59258A1	3957E-2-1	10.0	R	H	T	438	REH	551	A5	30	0.79
58787L6	4016E-1-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L6	4016E-2-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L6	4016E-2-2	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L5	4017E-1-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L5	4017E-2-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L5	4017E-2-2	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L4	4018E-1-1	8.0	R	H	T	428	REH	525	A5	31	0.82

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
58787L4	4018E-2-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L4	4018E-2-2	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L3	4027E-1-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L3	4027E-2-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L3	4027E-2-2	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L2	4028E-1-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L2	4028E-2-1	8.0	R	H	T	428	REH	525	A5	31	0.82
58787L2	4028E-2-2	8.0	R	H	T	428	REH	525	A5	31	0.82
59154K7	4067E-1-1	8.0	R	H	T	437	REH	560	A5	31	0.78
59154K7	4067E-1-2	8.0	R	H	T	437	REH	560	A5	31	0.78
59154K6	4068E-1-1	8.0	R	H	T	437	REH	560	A5	31	0.78
59154K6	4068E-1-2	8.0	R	H	T	437	REH	560	A5	31	0.78
59154K5	4109E-1-1	8.0	R	H	T	437	REH	560	A5	31	0.78
59154K5	4109E-1-2	8.0	R	H	T	437	REH	560	A5	31	0.78
58787P3	4125E-1-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P3	4125E-1-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P3	4125E-2-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P3	4125E-2-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P2	4126E-1-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P2	4126E-1-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P2	4126E-2-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787P2	4126E-2-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N3	4192E-1-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N3	4192E-1-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N3	4192E-2-1	10.0	R	H	T	428	REH	525	A5	31	0.82

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
58787N3	4192E-2-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N2	4193E-1-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N2	4193E-1-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N2	4193E-2-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N2	4193E-2-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N1	4194E-1-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N1	4194E-1-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N1	4194E-2-1	10.0	R	H	T	428	REH	525	A5	31	0.82
58787N1	4194E-2-2	10.0	R	H	T	428	REH	525	A5	31	0.82
58646G5	4195E-1-1	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G5	4195E-2-1	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G5	4195E-2-2	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G4	4196E-1-1	8.0	R	H	T	432	REH	538	A5	33	0.80
58646G4	4196E-2-1	8.0	R	H	T	432	REH	538	A5	33	0.80
58646G4	4196E-2-2	8.0	R	H	T	432	REH	538	A5	33	0.80
58646G3	4197E-1-1	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G3	4197E-2-1	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G3	4197E-2-2	8.0	R	H	T	417	REH	520	A5	34	0.80
58646G1	4199E-1-1	10.0	R	H	T	417	REH	520	A5	34	0.80
58646G1	4199E-1-2	10.0	R	H	T	417	REH	520	A5	34	0.80
58646G1	4199E-2-1	10.0	R	H	T	417	REH	520	A5	34	0.80
59334H5	4607E-2-1	15.0	R	H	T	448	REH	572	A5	24	0.78
59334H5	4607E-2-2	15.0	R	H	T	448	REH	572	A5	24	0.78
59334H3	4608E-1-1	15.0	R	H	T	447	REH	573	A5	24	0.78
59334H3	4608E-1-2	15.0	R	H	T	447	REH	573	A5	24	0.78

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59334H4	4617E-1-1	15.0	R	H	T	455	REH	577	A5	27	0.79
59334H1	4687E-1-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59334H1	4687E-2-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59334H1	4687E-2-2	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G2	4805E-2-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G2	4805E-2-2	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G4	4806E-1-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G4	4806E-2-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G4	4806E-2-2	16.0	R	H	T	444	REH	567	A5	27	0.78
59334G5	4817E-1-1	16.0	R	H	T	444	REH	567	A5	27	0.78
59360A1	4836E-1-1	25.0	R	H	T	434	REH	560	A5	25	0.78
59324I4	4875E-1-1	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I4	4875E-1-2	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I4	4875E-2-1	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I4	4875E-2-2	12.0	R	H	T	425	REH	560	A5	30	0.76
59336I2	4876E-2-2	10.0	R	H	T	474	REH	580	A5	28	0.82
59324I3	4895E-1-1	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I3	4895E-1-2	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I3	4895E-2-1	12.0	R	H	T	425	REH	560	A5	30	0.76
59324I3	4895E-2-2	12.0	R	H	T	425	REH	560	A5	30	0.76
59334G3	4896E-1-1	10.0	R	H	T	444	REH	567	A5	27	0.78
59334G3	4896E-1-2	10.0	R	H	T	444	REH	567	A5	27	0.78
59334G3	4896E-2-1	10.0	R	H	T	444	REH	567	A5	27	0.78
59334G3	4896E-2-2	10.0	R	H	T	444	REH	567	A5	27	0.78
59336I4	4915E-1-1	12.0	R	H	T	479	REH	588	A5	29	0.81

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Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59336I4	4915E-1-2	12.0	R	H	T	479	REH	588	A5	29	0.81
59336I4	4915E-2-1	12.0	R	H	T	479	REH	588	A5	29	0.81
59336I4	4915E-2-2	12.0	R	H	T	479	REH	588	A5	29	0.81
59336I5	4916E-2-1	10.0	R	H	T	474	REH	580	A5	27	0.82
59336I5	4916E-2-2	10.0	R	H	T	474	REH	580	A5	27	0.82
59336I1	4925E-1-1	12.0	R	H	T	474	REH	580	A5	27	0.82
59336I1	4925E-1-2	12.0	R	H	T	474	REH	580	A5	27	0.82
59336I1	4925E-2-1	12.0	R	H	T	474	REH	580	A5	27	0.82
59336I1	4925E-2-2	12.0	R	H	T	474	REH	580	A5	27	0.82
59336I3	4926E-1-1	10.0	R	H	T	497	REH	607	A5	28	0.82
59336I3	4926E-1-2	10.0	R	H	T	497	REH	607	A5	28	0.82
59336I3	4926E-2-2	10.0	R	H	T	497	REH	607	A5	28	0.82
59324I1	4957E-1-1	10.0	R	H	T	425	REH	560	A5	30	0.76
59360A3	5005E-2-1	10.0	R	H	T	489	REH	590	A5	30	0.83
59360E3	5054E-1-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E3	5054E-1-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E3	5054E-2-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E3	5054E-2-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E2	5056E-1-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E2	5056E-1-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E2	5056E-2-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E2	5056E-2-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E6	5085E-1-1	12.0	R	H	T	476	REH	584	A5	30	0.82
59360E6	5085E-2-1	12.0	R	H	T	476	REH	584	A5	30	0.82
59360E6	5085E-2-2	12.0	R	H	T	476	REH	584	A5	30	0.82

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59360E5	5096E-1-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E5	5096E-1-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E5	5096E-2-1	10.0	R	H	T	476	REH	584	A5	30	0.82
59360E5	5096E-2-2	10.0	R	H	T	476	REH	584	A5	30	0.82
59360H3	5887E-1-1	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H3	5887E-1-2	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H3	5887E-2-1	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H3	5887E-2-2	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H4	5896E-2-1	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H4	5896E-2-2	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H2	5897E-1-1	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H2	5897E-1-2	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H2	5897E-2-1	10.0	R	H	T	473	REH	574	A5	27	0.82
59360H2	5897E-2-2	10.0	R	H	T	473	REH	574	A5	27	0.82
59390B3	7139E-1-1	16.0	R	H	T	471	REH	593	A5	29	0.79
59390B3	7139E-2-2	16.0	R	H	T	471	REH	593	A5	29	0.79
59390B4	7148E-1-1	16.0	R	H	T	471	REH	593	A5	29	0.79
59390B4	7148E-1-2	16.0	R	H	T	471	REH	593	A5	29	0.79
59390B4	7148E-2-1	16.0	R	H	T	471	REH	593	A5	29	0.79
59390B4	7148E-2-2	16.0	R	H	T	471	REH	593	A5	29	0.79
59442A4	7353E-1-1	15.0	R	H	T	470	REH	591	A5	25	0.80
59442A4	7353E-1-2	15.0	R	H	T	470	REH	591	A5	25	0.80
59247C2	8216E-2-1	12.0	R	H	T	407	REH	531	A5	34	0.77
59442H6	8938E-1-1	15.0	R	H	T	470	REH	591	A5	25	0.80
59442H6	8938E-2-1	15.0	R	H	T	470	REH	591	A5	25	0.80

Our order No.: (A08) 1359481 **Your order No.:** (A07) 1115055 **Order registration date:** 21.05.2021 **Date of dispatch:** 25.06.2021 B

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Thickness mm	Shape <small>(C10)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Yield MPa <small>(C11)</small>	Yield type	UTS Rm MPa <small>(C12)</small>	Elong. type	Elongation % <small>(C13)</small>	Yield/UTS
59442H6	8938E-2-2	15.0	R	H	T	470	REH	591	A5	25	0.80
58646A5	8962E-1-1	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A5	8962E-1-2	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A5	8962E-2-1	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A5	8962E-2-2	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A4	8963E-1-1	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A4	8963E-2-1	10.0	R	H	T	424	REH	532	A5	30	0.80
58646A4	8963E-2-2	10.0	R	H	T	424	REH	532	A5	30	0.80
59449I1	8976E-2-1	15.0	R	H	T	448	REH	570	A5	28	0.79
59448I3	8986E-1-1	16.0	R	H	T	410	REH	556	A5	29	0.74
59448I3	8986E-2-1	16.0	R	H	T	410	REH	556	A5	29	0.74
59448I3	8986E-2-2	16.0	R	H	T	410	REH	556	A5	29	0.74
59451I3	9014E-2-1	15.0	R	H	T	439	REH	567	A5	28	0.77
59451I3	9014E-2-2	15.0	R	H	T	439	REH	567	A5	28	0.77

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

Our order No.: (A08) 1359481 Your order No.: (A07) 1115055 Order registration date: 21.05.2021 Date of dispatch: 25.06.2021 B

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59249C2	3332E-1-1	1	CV	10x10	H	L	-20	176	171	170	172
59249C2	3332E-1-2	1	CV	10x10	H	L	-20	176	171	170	172
59249C2	3332E-2-1	1	CV	10x10	H	L	-20	176	171	170	172
59249C2	3332E-2-2	1	CV	10x10	H	L	-20	176	171	170	172
59249C1	3341E-1-1	1	CV	10x10	H	L	-20	166	167	162	165
59249C1	3341E-1-2	1	CV	10x10	H	L	-20	166	167	162	165
59249C1	3341E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249C1	3341E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59249E1	3415E-1-3	1	CV	10x10	H	L	-20	166	167	162	165
59249E1	3415E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249E1	3415E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59249E2	3425E-1-3	1	CV	10x10	H	L	-20	166	167	162	165
59249E2	3425E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249E2	3425E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59249H4	3445E-1-1	1	CV	10x10	H	L	-20	166	167	162	165
59249H4	3445E-1-2	1	CV	10x10	H	L	-20	166	167	162	165
59249H4	3445E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249H4	3445E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59258H2	3493E-1-1	1	CV	10x10	H	L	-20	162	181	154	166
59258H2	3493E-1-2	1	CV	10x10	H	L	-20	162	181	154	166
59258H2	3493E-2-1	1	CV	10x10	H	L	-20	162	181	154	166
59258H2	3493E-2-2	1	CV	10x10	H	L	-20	162	181	154	166
59258H3	3503E-1-1	1	CV	10x10	H	L	-20	171	163	194	176
59258H3	3503E-1-2	1	CV	10x10	H	L	-20	171	163	194	176
59258H3	3503E-2-1	1	CV	10x10	H	L	-20	171	163	194	176

Our order No.: (A08) 1359481 Your order No.: (A07) 1115055 Order registration date: 21.05.2021 Date of dispatch: 25.06.2021 B

Impact testing (A01) Impact tests were performed in accordance with EN 10045/ISO 148-1 with results as stated below:

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59258H3	3503E-2-2	1	CV	10x10	H	L	-20	171	163	194	176
59258H4	3504E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59258H4	3504E-1-2	1	CV	10x10	H	L	-20	146	146	141	144
59258H4	3504E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258H4	3504E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59249G1	3523E-1-1	1	CV	10x10	H	L	-20	166	167	162	165
59249G1	3523E-1-2	1	CV	10x10	H	L	-20	166	167	162	165
59249G1	3523E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249G1	3523E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59249G3	3524E-1-1	1	CV	10x10	H	L	-20	166	167	162	165
59249G3	3524E-1-2	1	CV	10x10	H	L	-20	166	167	162	165
59249G3	3524E-2-1	1	CV	10x10	H	L	-20	166	167	162	165
59249G3	3524E-2-2	1	CV	10x10	H	L	-20	166	167	162	165
59258C4	3563E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59258C4	3563E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258C4	3563E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59258D1	3574E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59258D1	3574E-1-2	1	CV	10x10	H	L	-20	146	146	141	144
59258D1	3574E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258D1	3574E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59258E2	3594E-1-1	1	CV	10x10	H	L	-20	162	181	154	166
59258E2	3594E-1-2	1	CV	10x10	H	L	-20	162	181	154	166
59258E2	3594E-2-1	1	CV	10x10	H	L	-20	162	181	154	166
59258E2	3594E-2-2	1	CV	10x10	H	L	-20	162	181	154	166
59258E3	3613E-1-1	1	CV	10x10	H	L	-20	146	146	141	144

Our order No.: (A08) 1359481 **Your order No.:** (A07) 1115055 **Order registration date:** 21.05.2021 **Date of dispatch:** 25.06.2021 B

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59258E3	3613E-1-2	1	CV	10x10	H	L	-20	146	146	141	144
59258E3	3613E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258E3	3613E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59258D4	3623E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59258D4	3623E-1-2	1	CV	10x10	H	L	-20	146	146	141	144
59258D4	3623E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258D4	3623E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59258I1	3643E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59256C1	3654E-1-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C1	3654E-1-2	1	CV	10x10	H	L	-20	137	117	127	127
59256C1	3654E-2-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C1	3654E-2-2	1	CV	10x10	H	L	-20	137	117	127	127
59256C3	3655E-1-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C3	3655E-1-2	1	CV	10x10	H	L	-20	137	117	127	127
59256C3	3655E-2-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C3	3655E-2-2	1	CV	10x10	H	L	-20	137	117	127	127
59258B2	3665E-2-2	1	CV	10x10	H	L	-20	171	163	194	176
59258G3	3674E-1-1	1	CV	10x10	H	L	-20	146	146	141	144
59258G3	3674E-1-2	1	CV	10x10	H	L	-20	146	146	141	144
59258G3	3674E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258G3	3674E-2-2	1	CV	10x10	H	L	-20	146	146	141	144
59258I2	3675E-1-1	1	CV	10x10	H	L	-20	171	163	194	176
59258I2	3675E-1-2	1	CV	10x10	H	L	-20	171	163	194	176
59258I2	3675E-2-1	1	CV	10x10	H	L	-20	146	146	141	144
59258I2	3675E-2-2	1	CV	10x10	H	L	-20	146	146	141	144

Our order No.: (A08) 1359481 **Your order No.:** (A07) 1115055 **Order registration date:** 21.05.2021 **Date of dispatch:** 25.06.2021 B

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59256C2	3684E-1-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C2	3684E-1-2	1	CV	10x10	H	L	-20	137	117	127	127
59256C2	3684E-2-1	1	CV	10x10	H	L	-20	137	117	127	127
59256C2	3684E-2-2	1	CV	10x10	H	L	-20	137	117	127	127
59258A2	3685E-1-1	1	CV	10x10	H	L	-20	162	181	154	166
59258B3	3694E-1-1	1	CV	10x10	H	L	-20	171	163	194	176
59258B1	3740E-2-2	1	CV	10x10	H	L	-20	171	163	194	176
59258F2	3741E-1-1	1	CV	10x10	H	L	-20	171	163	194	176
59258F2	3741E-1-2	1	CV	10x10	H	L	-20	171	163	194	176
59258F2	3741E-2-1	1	CV	10x10	H	L	-20	171	163	194	176
59258F2	3741E-2-2	1	CV	10x10	H	L	-20	171	163	194	176
59258F1	3761E-1-1	1	CV	10x10	H	L	-20	171	163	194	176
59258F1	3761E-1-2	1	CV	10x10	H	L	-20	171	163	194	176
59258F1	3761E-2-1	1	CV	10x10	H	L	-20	171	163	194	176
59258F1	3761E-2-2	1	CV	10x10	H	L	-20	171	163	194	176
59400D2	3800E-1-1	1	CV	10x10	H	L	-20	200	209	213	207
59400D2	3800E-1-2	1	CV	10x10	H	L	-20	200	209	213	207
59258A1	3957E-2-1	1	CV	7.5x10	H	L	-20	130	136	162	143
58787L6	4016E-1-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L6	4016E-2-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L6	4016E-2-2	1	CV	5x10	H	L	-20	62	66	74	67
58787L5	4017E-1-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L5	4017E-2-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L5	4017E-2-2	1	CV	5x10	H	L	-20	62	66	74	67
58787L4	4018E-1-1	1	CV	5x10	H	L	-20	62	66	74	67

Our order No.: (A08) 1359481

 Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 B

Impact testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
58787L4	4018E-2-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L4	4018E-2-2	1	CV	5x10	H	L	-20	62	66	74	67
58787L3	4027E-1-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L3	4027E-2-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L3	4027E-2-2	1	CV	5x10	H	L	-20	62	66	74	67
58787L2	4028E-1-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L2	4028E-2-1	1	CV	5x10	H	L	-20	62	66	74	67
58787L2	4028E-2-2	1	CV	5x10	H	L	-20	62	66	74	67
59154K7	4067E-1-1	1	CV	5x10	H	L	-20	109	123	119	117
59154K7	4067E-1-2	1	CV	5x10	H	L	-20	109	123	119	117
59154K6	4068E-1-1	1	CV	5x10	H	L	-20	109	123	119	117
59154K6	4068E-1-2	1	CV	5x10	H	L	-20	109	123	119	117
59154K5	4109E-1-1	1	CV	5x10	H	L	-20	109	123	119	117
59154K5	4109E-1-2	1	CV	5x10	H	L	-20	109	123	119	117
58787P3	4125E-1-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P3	4125E-1-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P3	4125E-2-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P3	4125E-2-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P2	4126E-1-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P2	4126E-1-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P2	4126E-2-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787P2	4126E-2-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N3	4192E-1-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N3	4192E-1-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N3	4192E-2-1	1	CV	7.5x10	H	L	-20	158	177	137	157

Our order No.: (A08) 1359481

 Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 B

Impact testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
58787N3	4192E-2-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N2	4193E-1-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N2	4193E-1-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N2	4193E-2-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N2	4193E-2-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N1	4194E-1-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N1	4194E-1-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N1	4194E-2-1	1	CV	7.5x10	H	L	-20	158	177	137	157
58787N1	4194E-2-2	1	CV	7.5x10	H	L	-20	158	177	137	157
58646G5	4195E-1-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G5	4195E-2-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G5	4195E-2-2	1	CV	5x10	H	L	-20	61	65	57	61
58646G4	4196E-1-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G4	4196E-2-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G4	4196E-2-2	1	CV	5x10	H	L	-20	61	65	57	61
58646G3	4197E-1-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G3	4197E-2-1	1	CV	5x10	H	L	-20	61	65	57	61
58646G3	4197E-2-2	1	CV	5x10	H	L	-20	61	65	57	61
58646G1	4199E-1-1	1	CV	7.5x10	H	L	-20	96	95	94	95
58646G1	4199E-1-2	1	CV	7.5x10	H	L	-20	96	95	94	95
58646G1	4199E-2-1	1	CV	7.5x10	H	L	-20	96	95	94	95
59334H5	4607E-2-1	1	CV	10x10	H	L	-20	110	111	105	109
59334H5	4607E-2-2	1	CV	10x10	H	L	-20	110	111	105	109
59334H3	4608E-1-1	1	CV	10x10	H	L	-20	115	114	109	113
59334H3	4608E-1-2	1	CV	10x10	H	L	-20	115	114	109	113

Our order No.: (A08) 1359481

 Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 B

Impact testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59334H4	4617E-1-1	1	CV	10x10	H	L	-20	103	105	102	103
59334H1	4687E-1-1	1	CV	10x10	H	L	-20	95	109	105	103
59334H1	4687E-2-1	1	CV	10x10	H	L	-20	95	109	105	103
59334H1	4687E-2-2	1	CV	10x10	H	L	-20	95	109	105	103
59334G2	4805E-2-1	1	CV	10x10	H	L	-20	95	109	105	103
59334G2	4805E-2-2	1	CV	10x10	H	L	-20	95	109	105	103
59334G4	4806E-1-1	1	CV	10x10	H	L	-20	95	109	105	103
59334G4	4806E-2-1	1	CV	10x10	H	L	-20	95	109	105	103
59334G4	4806E-2-2	1	CV	10x10	H	L	-20	95	109	105	103
59334G5	4817E-1-1	1	CV	10x10	H	L	-20	95	109	105	103
59360A1	4836E-1-1	1	CV	10x10	H	L	-20	133	123	136	131
59324I4	4875E-1-1	1	CV	10x10	H	L	-20	110	111	106	109
59324I4	4875E-1-2	1	CV	10x10	H	L	-20	110	111	106	109
59324I4	4875E-2-1	1	CV	10x10	H	L	-20	110	111	106	109
59324I4	4875E-2-2	1	CV	10x10	H	L	-20	110	111	106	109
59336I2	4876E-2-2	1	CV	7.5x10	H	L	-20	109	122	110	114
59324I3	4895E-1-1	1	CV	10x10	H	L	-20	110	111	106	109
59324I3	4895E-1-2	1	CV	10x10	H	L	-20	110	111	106	109
59324I3	4895E-2-1	1	CV	10x10	H	L	-20	110	111	106	109
59324I3	4895E-2-2	1	CV	10x10	H	L	-20	110	111	106	109
59334G3	4896E-1-1	1	CV	7.5x10	H	L	-20	58	57	43	53
59334G3	4896E-1-2	1	CV	7.5x10	H	L	-20	58	57	43	53
59334G3	4896E-2-1	1	CV	7.5x10	H	L	-20	58	57	43	53
59334G3	4896E-2-2	1	CV	7.5x10	H	L	-20	58	57	43	53
59336I4	4915E-1-1	1	CV	10x10	H	L	-20	122	134	125	127

Our order No.: (A08) 1359481

 Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 B

Impact testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59336I4	4915E-1-2	1	CV	10x10	H	L	-20	122	134	125	127
59336I4	4915E-2-1	1	CV	10x10	H	L	-20	122	134	125	127
59336I4	4915E-2-2	1	CV	10x10	H	L	-20	122	134	125	127
59336I5	4916E-2-1	1	CV	7.5x10	H	L	-20	109	122	110	114
59336I5	4916E-2-2	1	CV	7.5x10	H	L	-20	109	122	110	114
59336I1	4925E-1-1	1	CV	10x10	H	L	-20	109	122	110	114
59336I1	4925E-1-2	1	CV	10x10	H	L	-20	109	122	110	114
59336I1	4925E-2-1	1	CV	10x10	H	L	-20	109	122	110	114
59336I1	4925E-2-2	1	CV	10x10	H	L	-20	109	122	110	114
59336I3	4926E-1-1	1	CV	7.5x10	H	L	-20	92	95	92	93
59336I3	4926E-1-2	1	CV	7.5x10	H	L	-20	92	95	92	93
59336I3	4926E-2-2	1	CV	7.5x10	H	L	-20	92	95	92	93
59324I1	4957E-1-1	1	CV	7.5x10	H	L	-20	94	101	91	95
59360A3	5005E-2-1	1	CV	7.5x10	H	L	-20	74	80	76	77
59360E3	5054E-1-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E3	5054E-1-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E3	5054E-2-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E3	5054E-2-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E2	5056E-1-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E2	5056E-1-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E2	5056E-2-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E2	5056E-2-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E6	5085E-1-1	1	CV	10x10	H	L	-20	95	98	100	98
59360E6	5085E-2-1	1	CV	10x10	H	L	-20	95	98	100	98
59360E6	5085E-2-2	1	CV	10x10	H	L	-20	95	98	100	98

Our order No.: (A08) 1359481 Your order No.: (A07) 1115055 Order registration date: 21.05.2021 Date of dispatch: 25.06.2021 B

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59360E5	5096E-1-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E5	5096E-1-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E5	5096E-2-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360E5	5096E-2-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360H3	5887E-1-1	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H3	5887E-1-2	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H3	5887E-2-1	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H3	5887E-2-2	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H4	5896E-2-1	1	CV	7.5x10	H	L	-20	68	72	74	71
59360H4	5896E-2-2	1	CV	7.5x10	H	L	-20	68	72	74	71
59360H2	5897E-1-1	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H2	5897E-1-2	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H2	5897E-2-1	1	CV	7.5x10	H	L	-20	74	80	76	77
59360H2	5897E-2-2	1	CV	7.5x10	H	L	-20	74	80	76	77
59390B3	7139E-1-1	1	CV	10x10	H	L	-20	158	141	159	153
59390B3	7139E-2-2	1	CV	10x10	H	L	-20	158	141	159	153
59390B4	7148E-1-1	1	CV	10x10	H	L	-20	158	141	159	153
59390B4	7148E-1-2	1	CV	10x10	H	L	-20	158	141	159	153
59390B4	7148E-2-1	1	CV	10x10	H	L	-20	158	141	159	153
59390B4	7148E-2-2	1	CV	10x10	H	L	-20	158	141	159	153
59442A4	7353E-1-1	1	CV	10x10	H	L	-20	153	142	143	146
59442A4	7353E-1-2	1	CV	10x10	H	L	-20	153	142	143	146
59247C2	8216E-2-1	1	CV	10x10	H	L	-20	230	206	233	223
59442H6	8938E-1-1	1	CV	10x10	H	L	-20	153	142	143	146
59442H6	8938E-2-1	1	CV	10x10	H	L	-20	153	142	143	146

Our order No.: (A08) 1359481

 Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 B

Impact testing

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

Heat/slab <small>(B07)</small>	Plate ID <small>(B06)</small>	Position <small>(C01)</small>	Notch <small>(C40)</small>	Shape <small>(C41)</small>	Loc. <small>(C01)</small>	Dir. <small>(C02)</small>	Temp. °C <small>(C03)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	SV J <small>(C42)</small>	AV J <small>(C43)</small>
59442H6	8938E-2-2	1	CV	10x10	H	L	-20	153	142	143	146
58646A5	8962E-1-1	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A5	8962E-1-2	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A5	8962E-2-1	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A5	8962E-2-2	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A4	8963E-1-1	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A4	8963E-2-1	1	CV	7.5x10	H	L	-20	92	90	92	91
58646A4	8963E-2-2	1	CV	7.5x10	H	L	-20	92	90	92	91
59449I1	8976E-2-1	1	CV	10x10	H	L	-20	160	88	157	135
59448I3	8986E-1-1	1	CV	10x10	H	L	-20	55	98	77	77
59448I3	8986E-2-1	1	CV	10x10	H	L	-20	55	98	77	77
59448I3	8986E-2-2	1	CV	10x10	H	L	-20	55	98	77	77
59451I3	9014E-2-1	1	CV	10x10	H	L	-20	149	154	150	151
59451I3	9014E-2-2	1	CV	10x10	H	L	-20	149	154	150	151

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

Our order No.: (A08) 1359481Your order No.: (A07) 1115055

Order registration date: 21.05.2021

Date of dispatch: 25.06.2021 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 III, Section 5) for ferrous nuclides.
Manufactured in Denmark

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