

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.com;llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56181M4	6526G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M3	6527G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M2	6528G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
55888Q6	7626G	1	6.0	3000	12000	1	1 696	VL A	Head	414/0004
56181M5	6408G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55887D2	6820G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004

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55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56158E1	7177G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P3	7183G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56158R2	7190G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P2	7192G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210C5	7195G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56210C4	7276G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56159K5	0853H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J4	2485H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J3	2486H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55887D3	6819G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888E1	6843G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888A3	6852G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888H1	6917G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
55896E1	6970G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55895F2	6977G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55041A5	7015G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
56160H6	7283G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H5	7284G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H4	7285G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M3	7316G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M2	7317G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I5	7319G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I3	7321G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I2	7322G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I1	7323G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

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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)
56160H3	7326G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O4	7330G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O3	7331G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B4	7428G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A5	7431G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E4	7432G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E3	7433G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E2	7434G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A4	7479G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A3	7480G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H6	7483G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H5	7484G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H4	7485G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H3	7486G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H2	7487G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158N2	7489G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174J5	7495G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160P3	7530G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160G3	7534G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174K3	7538G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158M3	7542G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159P1	7548G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B4	7718G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B2	7727G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B1	7728G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162O2	8192G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B5	8193G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

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56162A6	8202G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55696N1	8539G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56176G5	9304G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55890M2	6810G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888F6	6823G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q1	6837G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888H3	6908G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896D6	6979G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896A1	7028G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177H3	7126G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56182A6	7208G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G5	7286G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G4	7288G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G2	7294G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56175A3	7300G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177A5	7348G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177D3	7462G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56177D6	7464G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56179D1	7550G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56179A5	7552G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55696O4	8528G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q3	6835G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E5	6839G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E3	6841G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F5	6844G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F4	6845G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888A5	6850G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004

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55888A1	6915G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55896E5	6966G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55895F3	6976G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175G4	7052G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175G3	7054G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H5	7082G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D4	7096G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H1	7132G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D2	7138G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175H3	7344G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B5	7382G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B4	7384G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179F3	7416G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179C4	7566G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179C2	7600G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175F2	7612G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
55896J1	8203G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179E1	7090G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175D3	7136G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56182B1	7173G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A4	7352G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175H1	7370G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A1	7380G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179B1	7412G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179G2	7413G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179D5	7510G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179A3	7558G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004

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56175F3	7608G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56188D5	8248G	6	11.0	3000	12000	1	3 109	VL A	Head	414/0004
56179C3	1328H	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179E2	7088G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175D5	7092G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175H4	7342G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179F4	7374G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56179G5	7423G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56177D4	7452G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179D3	7514G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179C5	7562G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179A1	7594G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175F4	7598G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56020H5	7825G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56356A4	6655G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356G5	6782G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356C5	6720G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H1	6753G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C4	6755G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C3	6757G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C2	6760G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C1	6763G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H5	6710G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56356C6	6718G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H4	6745G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H3	6747G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H2	6750G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004

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56175G1	7080G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
						185	506 146			

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %							
Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
55901	0.13	1.07	0.18	0.011	0.004	0.039	0.003
56020	0.14	1.15	0.22	0.011	0.002	0.032	0.003
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56159	0.15	0.64	0.20	0.011	0.004	0.030	0.002
56160	0.15	0.64	0.19	0.008	0.005	0.036	0.002
56161	0.15	0.65	0.19	0.012	0.007	0.040	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56176	0.12	0.87	0.18	0.019	0.012	0.039	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56181	0.13	1.11	0.19	0.015	0.006	0.041	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56188	0.12	0.95	0.21	0.016	0.003	0.041	0.003
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004
56357	0.16	1.33	0.18	0.006	0.006	0.040	0.004
Heat No. (B07)	CEV						Remark (C70)

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Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	Remark (C70)
Set values:	min. 0.00 max. 0.39	
55041	0.34	1 3 4 5 6
55696	0.27	1 3 4 6
55887	0.27	1 3 4 6
55888	0.27	1 3 4 6
55890	0.27	1 3 4 6
55895	0.28	1 3 4 6
55896	0.27	1 3 4 6
55901	0.32	1 3 4 6
56020	0.34	1 3 4 6
56158	0.26	1 3 4 6
56159	0.26	1 3 4 6
56160	0.27	1 3 4 6
56161	0.27	1 3 4 6
56162	0.26	1 3 4 6
56174	0.28	1 3 4 6
56175	0.28	1 3 4 6
56176	0.28	1 3 4 6
56177	0.28	1 3 4 6
56179	0.26	1 3 4 6
56181	0.33	1 3 4 6
56182	0.28	1 3 4 6
56188	0.29	1 3 4 6
56210	0.28	1 3 4 6
56356	0.39	1 3 4 6
56357	0.39	1 3 4 6

Supplementary information (C99)

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

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Chemical composition (heat analysis) all results in %

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



Europe – Plate

Inspection Certificate ^(A02)

EN 10204:2004/3.2

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Date of creation: ^(Z02)

17.01.2020

Certificate No.: ^(A03)

105842

Our order No.: ^(A08) 9458981Your order No.: ^(A07) 414/0004

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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 ^(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
56159K5	0853H-1-1	8.0	R	H	T	313	REH	444	A200	30	0.70
56179C3	1328H-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179C3	1328H-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
55901J4	2485H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
55901J3	2486H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
56181M5	6408G-1-1	7.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56356A4	6655G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56357H5	6710G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56356C6	6718G-1-1	18.0	R	H	T	285	R02	489	A200	33	0.58
56356C5	6720G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56357H4	6745G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H3	6747G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H2	6750G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H1	6753G-1-1	16.0	R	H	T	305	REH	488	A200	31	0.63
56356C4	6755G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C3	6757G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C2	6760G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C1	6763G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G5	6782G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55890M2	6810G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D3	6819G-1-1	8.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-1-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-2-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55888F6	6823G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55890Q3	6835G-1-1	10.0	R	H	T	320	REH	448	A200	32	0.71
55890Q1	6837G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55888E5	6839G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E3	6841G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E2	6842G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888E1	6843G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888F5	6844G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888F4	6845G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888A5	6850G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888A3	6852G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888H3	6908G-1-1	9.0	R	H	T	282	REH	432	A200	31	0.65
55896G3	6913G-2-1	7.0	R	H	T	295	REH	430	A200	35	0.69
55888A1	6915G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888H1	6917G-1-1	8.0	R	H	T	282	REH	432	A200	31	0.65
55888H1	6917G-2-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55896E5	6966G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896E1	6970G-1-1	8.0	R	H	T	295	REH	430	A200	35	0.69
55895F3	6976G-1-1	10.0	R	H	T	308	REH	442	A200	35	0.70
55895F2	6977G-1-1	8.0	R	H	T	308	REH	442	A200	35	0.70

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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
55895F1	6978G-2-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D6	6979G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55041A5	7015G-1-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55041A5	7015G-2-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55896A1	7028G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
56175G4	7052G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G4	7052G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G1	7080G-1-1	18.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-1-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-2-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-2-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H3	7126G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H3	7126G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56175D3	7136G-1-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D3	7136G-2-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56182B1	7173G-1-1	11.0	R	H	T	298	REH	430	A200	32	0.69

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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
56182B1	7173G-2-1	11.0	R	H	T	298	REH	430	A200	32	0.69
56158E1	7177G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E1	7177G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56174P3	7183G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P3	7183G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56158R2	7190G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R2	7190G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P2	7192G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P2	7192G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56210C5	7195G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C5	7195G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56182A6	7208G-2-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56210B1	7269G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56160H6	7283G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H5	7284G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H4	7285G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56177G5	7286G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G4	7288G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177G2	7294G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G2	7294G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56175A3	7300G-1-1	9.0	R	H	T	292	REH	430	A200	34	0.68
56162M3	7316G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162M2	7317G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75

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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
56159I5	7319G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I3	7321G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I2	7322G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I1	7323G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56160H3	7326G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56159O4	7330G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159O3	7331G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56175H4	7342G-1-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H4	7342G-2-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H3	7344G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56177A5	7348G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177A4	7352G-1-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56177A4	7352G-2-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56175H1	7370G-1-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56175H1	7370G-2-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56179F4	7374G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56177A1	7380G-1-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56177A1	7380G-2-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56179B5	7382G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B1	7412G-1-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179B1	7412G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179G2	7413G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179G2	7413G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68

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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
56179F3	7416G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G5	7423G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179G5	7423G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56162B4	7428G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A5	7431G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56161E4	7432G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E3	7433G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E2	7434G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56177D4	7452G-1-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D4	7452G-2-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56162A4	7479G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A3	7480G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56159H6	7483G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H5	7484G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H4	7485G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H3	7486G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H2	7487G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56158N2	7489G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56174J5	7495G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56179D5	7510G-1-1	11.0	R	H	T	294	REH	430	A200	31	0.68
56179D5	7510G-2-1	11.0	R	H	T	294	REH	430	A200	31	0.68

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56179D3	7514G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D3	7514G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56160P3	7530G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160G3	7534G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56174K3	7538G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56158M3	7542G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56159P1	7548G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56179D1	7550G-2-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A5	7552G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A3	7558G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179A3	7558G-2-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179C5	7562G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C5	7562G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C4	7566G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179C4	7566G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-2-1	12.0	R	H	T	292	REH	430	A200	34	0.68
56179C2	7600G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F3	7608G-1-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F3	7608G-2-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55888Q6	7626G-1-1	6.0	R	H	T	282	REH	432	A200	31	0.65
56161B4	7718G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161B2	7727G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73

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56161B1	7728G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56020H5	7825G-1-1	12.0	R	H	T	322	REH	464	A200	30	0.69
56162O2	8192G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162B5	8193G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162A6	8202G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
55896J1	8203G-1-1	10.0	R	H	T	308	REH	432	A200	35	0.71
56188D5	8248G-1-1	11.0	R	H	T	297	REH	427	A200	34	0.70
55696O4	8528G-1-1	9.0	R	H	T	281	REH	429	A200	33	0.66
55696N1	8539G-1-1	8.0	R	H	T	281	REH	429	A200	33	0.66
56176G5	9304G-1-1	8.0	R	H	T	259	REH	424	A200	34	0.61

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) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.come.llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56181M4	6526G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M3	6527G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M2	6528G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
55888Q6	7626G	1	6.0	3000	12000	1	1 696	VL A	Head	414/0004
56181M5	6408G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55887D2	6820G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56158E1	7177G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P3	7183G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56158R2	7190G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P2	7192G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210C5	7195G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56210C4	7276G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56159K5	0853H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J4	2485H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J3	2486H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55887D3	6819G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888E1	6843G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888A3	6852G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888H1	6917G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
55896E1	6970G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55895F2	6977G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55041A5	7015G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
56160H6	7283G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H5	7284G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H4	7285G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M3	7316G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M2	7317G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I5	7319G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I3	7321G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I2	7322G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I1	7323G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

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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)
56160H3	7326G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O4	7330G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O3	7331G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B4	7428G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A5	7431G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E4	7432G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E3	7433G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E2	7434G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A4	7479G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A3	7480G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H6	7483G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H5	7484G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H4	7485G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H3	7486G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H2	7487G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158N2	7489G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174J5	7495G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160P3	7530G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160G3	7534G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174K3	7538G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158M3	7542G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159P1	7548G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B4	7718G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B2	7727G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B1	7728G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162O2	8192G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B5	8193G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56162A6	8202G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55696N1	8539G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56176G5	9304G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55890M2	6810G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888F6	6823G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q1	6837G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888H3	6908G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896D6	6979G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896A1	7028G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177H3	7126G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56182A6	7208G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G5	7286G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G4	7288G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G2	7294G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56175A3	7300G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177A5	7348G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177D3	7462G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56177D6	7464G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56179D1	7550G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56179A5	7552G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55696O4	8528G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q3	6835G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E5	6839G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E3	6841G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F5	6844G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F4	6845G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888A5	6850G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55888A1	6915G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55896E5	6966G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55895F3	6976G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175G4	7052G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175G3	7054G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H5	7082G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D4	7096G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H1	7132G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D2	7138G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175H3	7344G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B5	7382G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B4	7384G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179F3	7416G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179C4	7566G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179C2	7600G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175F2	7612G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
55896J1	8203G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179E1	7090G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175D3	7136G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56182B1	7173G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A4	7352G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175H1	7370G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A1	7380G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179B1	7412G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179G2	7413G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179D5	7510G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179A3	7558G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004

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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)
56175F3	7608G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56188D5	8248G	6	11.0	3000	12000	1	3 109	VL A	Head	414/0004
56179C3	1328H	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179E2	7088G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175D5	7092G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175H4	7342G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179F4	7374G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56179G5	7423G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56177D4	7452G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179D3	7514G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179C5	7562G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179A1	7594G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175F4	7598G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56020H5	7825G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56356A4	6655G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356G5	6782G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356C5	6720G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H1	6753G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C4	6755G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C3	6757G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C2	6760G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C1	6763G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H5	6710G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56356C6	6718G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H4	6745G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H3	6747G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H2	6750G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004

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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)
56175G1	7080G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
						185	506 146			

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Chemical composition (heat analysis) all results in %							
Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
55901	0.13	1.07	0.18	0.011	0.004	0.039	0.003
56020	0.14	1.15	0.22	0.011	0.002	0.032	0.003
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56159	0.15	0.64	0.20	0.011	0.004	0.030	0.002
56160	0.15	0.64	0.19	0.008	0.005	0.036	0.002
56161	0.15	0.65	0.19	0.012	0.007	0.040	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56176	0.12	0.87	0.18	0.019	0.012	0.039	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56181	0.13	1.11	0.19	0.015	0.006	0.041	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56188	0.12	0.95	0.21	0.016	0.003	0.041	0.003
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004
56357	0.16	1.33	0.18	0.006	0.006	0.040	0.004
Heat No. (B07)	CEV						Remark (C70)

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	Remark (C70)
Set values:	min. 0.00 max. 0.39	
55041	0.34	1 3 4 5 6
55696	0.27	1 3 4 6
55887	0.27	1 3 4 6
55888	0.27	1 3 4 6
55890	0.27	1 3 4 6
55895	0.28	1 3 4 6
55896	0.27	1 3 4 6
55901	0.32	1 3 4 6
56020	0.34	1 3 4 6
56158	0.26	1 3 4 6
56159	0.26	1 3 4 6
56160	0.27	1 3 4 6
56161	0.27	1 3 4 6
56162	0.26	1 3 4 6
56174	0.28	1 3 4 6
56175	0.28	1 3 4 6
56176	0.28	1 3 4 6
56177	0.28	1 3 4 6
56179	0.26	1 3 4 6
56181	0.33	1 3 4 6
56182	0.28	1 3 4 6
56188	0.29	1 3 4 6
56210	0.28	1 3 4 6
56356	0.39	1 3 4 6
56357	0.39	1 3 4 6

Supplementary information (C99)

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

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



Europe – Plate

Inspection Certificate ^(A02)

EN 10204:2004/3.2

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Date of creation: ^(Z02)

17.01.2020

Certificate No.: ^(A03)

105842

Our order No.: ^(A08) 9458981Your order No.: ^(A07) 414/0004

Order registration date: 27.11.2019

Date of dispatch: 17.01.2020 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
56159K5	0853H-1-1	8.0	R	H	T	313	REH	444	A200	30	0.70
56179C3	1328H-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179C3	1328H-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
55901J4	2485H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
55901J3	2486H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
56181M5	6408G-1-1	7.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56356A4	6655G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56357H5	6710G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56356C6	6718G-1-1	18.0	R	H	T	285	R02	489	A200	33	0.58
56356C5	6720G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56357H4	6745G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H3	6747G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H2	6750G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H1	6753G-1-1	16.0	R	H	T	305	REH	488	A200	31	0.63
56356C4	6755G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C3	6757G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C2	6760G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C1	6763G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G5	6782G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66

DanSteel
Havnevej 33
DK - 3300 Frederiksværk^(A01)^(A04)Third party inspection ^(Z03)

VL

Inspection representative NLMK DanSteel A/S ^(A05)

Zibrandt Greisen

Z. Greisen

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55890M2	6810G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D3	6819G-1-1	8.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-1-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-2-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55888F6	6823G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55890Q3	6835G-1-1	10.0	R	H	T	320	REH	448	A200	32	0.71
55890Q1	6837G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55888E5	6839G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E3	6841G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E2	6842G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888E1	6843G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888F5	6844G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888F4	6845G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888A5	6850G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888A3	6852G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888H3	6908G-1-1	9.0	R	H	T	282	REH	432	A200	31	0.65
55896G3	6913G-2-1	7.0	R	H	T	295	REH	430	A200	35	0.69
55888A1	6915G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888H1	6917G-1-1	8.0	R	H	T	282	REH	432	A200	31	0.65
55888H1	6917G-2-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55896E5	6966G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896E1	6970G-1-1	8.0	R	H	T	295	REH	430	A200	35	0.69
55895F3	6976G-1-1	10.0	R	H	T	308	REH	442	A200	35	0.70
55895F2	6977G-1-1	8.0	R	H	T	308	REH	442	A200	35	0.70

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Tensile testing

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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
55895F1	6978G-2-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D6	6979G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55041A5	7015G-1-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55041A5	7015G-2-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55896A1	7028G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
56175G4	7052G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G4	7052G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G1	7080G-1-1	18.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-1-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-2-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-2-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H3	7126G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H3	7126G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56175D3	7136G-1-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D3	7136G-2-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56182B1	7173G-1-1	11.0	R	H	T	298	REH	430	A200	32	0.69

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56182B1	7173G-2-1	11.0	R	H	T	298	REH	430	A200	32	0.69
56158E1	7177G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E1	7177G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56174P3	7183G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P3	7183G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56158R2	7190G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R2	7190G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P2	7192G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P2	7192G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56210C5	7195G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C5	7195G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56182A6	7208G-2-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56210B1	7269G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56160H6	7283G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H5	7284G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H4	7285G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56177G5	7286G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G4	7288G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177G2	7294G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G2	7294G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56175A3	7300G-1-1	9.0	R	H	T	292	REH	430	A200	34	0.68
56162M3	7316G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162M2	7317G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56159I5	7319G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I3	7321G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I2	7322G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I1	7323G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56160H3	7326G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56159O4	7330G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159O3	7331G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56175H4	7342G-1-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H4	7342G-2-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H3	7344G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56177A5	7348G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177A4	7352G-1-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56177A4	7352G-2-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56175H1	7370G-1-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56175H1	7370G-2-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56179F4	7374G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56177A1	7380G-1-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56177A1	7380G-2-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56179B5	7382G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B1	7412G-1-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179B1	7412G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179G2	7413G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179G2	7413G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

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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
56179F3	7416G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G5	7423G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179G5	7423G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56162B4	7428G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A5	7431G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56161E4	7432G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E3	7433G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E2	7434G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56177D4	7452G-1-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D4	7452G-2-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56162A4	7479G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A3	7480G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56159H6	7483G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H5	7484G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H4	7485G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H3	7486G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H2	7487G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56158N2	7489G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56174J5	7495G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56179D5	7510G-1-1	11.0	R	H	T	294	REH	430	A200	31	0.68
56179D5	7510G-2-1	11.0	R	H	T	294	REH	430	A200	31	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

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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
56179D3	7514G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D3	7514G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56160P3	7530G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160G3	7534G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56174K3	7538G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56158M3	7542G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56159P1	7548G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56179D1	7550G-2-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A5	7552G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A3	7558G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179A3	7558G-2-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179C5	7562G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C5	7562G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C4	7566G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179C4	7566G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-2-1	12.0	R	H	T	292	REH	430	A200	34	0.68
56179C2	7600G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F3	7608G-1-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F3	7608G-2-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55888Q6	7626G-1-1	6.0	R	H	T	282	REH	432	A200	31	0.65
56161B4	7718G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161B2	7727G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56161B1	7728G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56020H5	7825G-1-1	12.0	R	H	T	322	REH	464	A200	30	0.69
56162O2	8192G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162B5	8193G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162A6	8202G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
55896J1	8203G-1-1	10.0	R	H	T	308	REH	432	A200	35	0.71
56188D5	8248G-1-1	11.0	R	H	T	297	REH	427	A200	34	0.70
55696O4	8528G-1-1	9.0	R	H	T	281	REH	429	A200	33	0.66
55696N1	8539G-1-1	8.0	R	H	T	281	REH	429	A200	33	0.66
56176G5	9304G-1-1	8.0	R	H	T	259	REH	424	A200	34	0.61

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) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 B

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

 ArcelorMittal Factoria de Gijón ArcelorMittal España, S.A. Residencia la Granda 33418 - Gozón Asturias - España A01		AENOR ER Empresa Registrada UNE-EN ISO 9001 ER-0030/1992 CHAPA PLATE BLECHE TOLES LAMIÈRE B01	CERTIFICADO DE INSPECCION / INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION 3.2 S/ EN 10204 / EN 10168 INSPECTION CERTIFICATE 3.2 ACCORDING TO EN 10204 / EN 10168 A02												ORDEN SUMINISTRO / Works order BJ0533 GB04BAL02W A08				N. CERTIFICADO / N. Certificate GI430707-02 Page of: 01 de 02 A03				CLIENTE / Customer ASTILLEROS BALENCIAGA, S.A. C/ SANTIAGO AUZOA, 1 20750 - ZUMAYA GUIPUZCOA - ESPAÑA A06												FECHA / Date 2020-11-10 PEDIDO CLIENTE Customer's order 415/0037 A07				SOCIEDAD INSPECTORA / Classification Society DNV GL A05				PROCEDIMIENTO DE ELABORACION / Melting Process: B.O.S. CONTINUOUSLY CAST SLAB C70				We certify hereby that the plates mentioned in this certificate comply with the specification and order requirements Z01				N. DE CHAPA (PLATE N.) / MARCA FABRICANTE (TRADEMARK) ENS B06				N. COLADA (HEAT N.) CALIDAD (QUALITY GRADE) INSPECCION (INSPECTION)			
ESPECIFICACION / Specification VL A36 DNV-GL RULES B02 B03																																																										
POSICION (Item)	DIMENSIONES (Dimensions) mm			PESO (Weight) Kg	N.PIEZAS (Number of pieces)	COLADA (Heat)	NUMERO DE LA MUESTRA (Sample no.)	COMPOSICION QUIMICA (Chemical composition)																																																		
	ESPESOR Thickness	ANCHO Width	LARGO Length					C	Mn	Si	S	P	Al	CU	NI	CR	MO	NB	V	TI							CQ01	SU03	T.Grano (Grain size)																													
A10	B09	B10	B11	B12	B08	B07	C00	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C60																														
007	14,00 2700 12000			3561	1	092830		,17	1,46	,338	,014	,015	,027	,020	0,027	0,034	,003	,001	,003	,001							0,42	0,00																														
TOTAL :												3561	1																																													
SU03: NB+V+TI CQ01: C+MN/6+(CR+MO+V)/5+(NI+CU)/15 TOL ESP S/ SOCIEDAD INSPECTORA (NAVALES) SURFACE QUALITY ACC TO SHIPPING C. SOCIETY RULES THIS IS TO CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN MADE BY AN APPROVED PROCESS AND HAS BEEN SATISFACTORILY TESTED IN ACORDANCE WITH DNV GL RULES FOR CLASIFICATION. THIS CERTIFICATE IS ISSUED IN ACCORDANCE WITH THE SURVEY ARRANGEMENT AUTHORISED BY DNV GL IN MSA NO.MSA0000AHU, WHICH IS CONTROLLED BY REGULAR AUDITING												Por la Sociedad Inspectora (for the classification society)												Por (For) ArcelorMittal Juan Manuel Vigil Fernández Jefe de Calidad Chapa Gruesa Heavy Plate Quality Manager Flat Carbon Europe  Z02-Z03																																		

 ArcelorMittal Factoria de Gijón ArcelorMittal España, S.A. Residencia la Granda 33418 - Gozón Asturias - España A01		AENOR ER Empresa Registrada UNE-EN ISO 9001 ER-0030/1992 CHAPA PLATE BLECHE TOILES LAMIÈRE B01	CERTIFICADO DE INSPECCION / INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION 3.2 S/ EN 10204 / EN 10168 INSPECTION CERTIFICATE 3.2 ACCORDING TO EN 10204 / EN 10168 CLIENTE / Customer ASTILLEROS BALENCIAGA, S.A. C/ SANTIAGO AUZO A, 1 20750 - ZUMAYA GUIPUZCOA - ESPAÑA A06										ORDEN SUMINISTRO / Works order BJ0533 GB04BAL02W A02					N. CERTIFICADO / N. Certificate GI430707-02 A08					HOJA 02 de 02 Page of: A03	
PEDIDO CLIENTE Customer's order 415/0037 A07										FECHA / Date 2020-11-10 Z02					SOCIEDAD INSPECTORA / Classification Society DNV GL A05									
ESPECIFICACION / Specification B02 B03 VL A36 DNV-GL RULES										(1) C = Cabeza (top) P = Pie (bottom) S = Piel (skin) 4 = 1/4 espesor (thickness) 3 = 1/3 espesor (thickness) E = Espesor completo (full thicken.) N = Nucleo (midthickness) (2) L = Longitudinal T = Transversal Z = Through thickness D = Diagonal (3) C = Cilindrica (cylindrical) P = Prismática (prismatic) J = Julios (joules) K = Julios/cm2 E = Lateral exp. in mm F = Shear Area % * Values over 240 J exceed 80% of the test equipment capacity (5) = Bruto Laminación (as rolled) A = N + R L = Conformado de Normalización (normalizing rolling) T = Tratamiento Termomec. (termomec.forming) N = Normalizado (normalized) 920 ± 10°C, 1.5 min/mm (6) Z = Estricción (Reduction of area) %														
ENSAYO DE TRACCION (Tensile test)										DOBLADO (Bend test)					RESILIENCIA (Impact test) DUREZA (Hardness test) OTROS ENSAYOS (Other tests)									
Re C11 SUPERIOR (Y.P) 0,2 % (Y.S.) 0,5 % (Y.S.) Rm. (T.S.) C12 MPA (N/MM2)										ALARGAMIENTO (Elongation) 5/5,65 % C13 C2* P8" % C14 ESTRICCION (Reduction of Area) % C15					LOCALIZACION (Location) (1) C01 ORIENTACION (Orientation) (2) C02 MANDRIL (Mandrel) r = nE n C51 ANGULO (Angle) C52 B = BIEN (OK) C50 ORIENTACION (Orientation) (2) C02 LOCALIZACION (Location) (1) C01 UNIDADES (Units) (6) C33 C44 TEMP. ENSAYO (Test temp.C) °C C03					INDIVIDUALES (Single values) C42 C31 1 2 3 C43 C32 MEDIA (Average) C43 C32 TIPO DE ENSAYO (Type of test) C30 C40 C41 ISO-V 10				
007 092830 79703401 L 1010028 17,40 PE T 360 524 27,9										Por la Sociedad Inspectora (For the Classification Society)					Por (For) Juan Manuel Vigil Fernández Jefe de Calidad Chapa Gruesa Heavy Plate Quality Manager Flat Carbon Europe ArcelorMittal Z02-Z03									

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.come.llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56165I6	6080G	1	6.0	3000	12000	2	3 392	VL A	Head	413/0066
56165I5	6081G	1	6.0	3000	12000	2	3 392	VL A	Head	413/0066
56165I4	6082G	1	6.0	3000	12000	2	3 392	VL A	Head	413/0066
56165I3	6083G	1	6.0	3000	12000	2	3 392	VL A	Head	413/0066
55890M3	6809G	1	6.0	3000	12000	2	3 392	VL A	Head	413/0066
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55890O5	6815G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55888A4	6851G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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)
56158H2	6909G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158H1	6910G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
56158H5	6918G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158H4	6919G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
55896J5	6921G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55041A7	7007G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
56158E4	7115G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158E3	7116G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158A5	7123G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158A3	7125G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158E2	7176G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56162D3	7179G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56162D2	7180G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56162D1	7181G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158A2	7186G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158A1	7187G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158R4	7188G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56158R3	7189G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56174P1	7193G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56210B2	7268G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
56157O4	7272G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
56157O3	7280G	2	7.0	3000	12000	2	3 956	VL A	Head	413/0066
55696J3	7635G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55696N2	8531G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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)
55696R3	8569G	2	7.0	3000	12000	1	1 978	VL A	Head	413/0066
55888F2	6847G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55896J3	6923G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55896E6	6965G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55896D3	6982G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55896D2	6983G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55041A6	7005G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
56182A6	7208G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
56175I5	7520G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
56179D1	7550G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55896G1	8194G	3	9.0	3000	12000	1	2 543	VL A	Head	413/0066
55887D6	6816G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
55887D5	6817G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
55896G5	6911G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56179E5	7060G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56175G2	7078G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56177H5	7082G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56177H2	7128G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56177H1	7132G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56182B3	7170G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56182B2	7172G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56182H1	7250G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56175H3	7344G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56177A3	7354G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56175H2	7366G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56179B5	7382G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56179B3	7406G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066

Our order No.: (A08) 9458951 **Your order No.:** (A07) 413/0066 **Order registration date:** 26.11.2019 **Date of dispatch:** 17.01.2020 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)
56179B2	7409G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56179G4	7414G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56179F3	7416G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56179F2	7419G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56179C2	7600G	4	10.0	3000	12000	1	2 826	VL A	Head	413/0066
56175F5	7620G	4	10.0	3000	12000	2	5 652	VL A	Head	413/0066
56179E2	7088G	5	12.0	3000	12000	1	3 391	VL A	Head	413/0066
56175D5	7092G	5	12.0	3000	12000	1	3 391	VL A	Head	413/0066
56179F5	7372G	5	12.0	3000	12000	2	6 782	VL A	Head	413/0066
56179F4	7374G	5	12.0	3000	12000	1	3 391	VL A	Head	413/0066
56179D4	7512G	5	12.0	3000	12000	2	6 782	VL A	Head	413/0066
56179A4	7556G	5	12.0	3000	12000	2	6 782	VL A	Head	413/0066
56179A1	7594G	5	12.0	3000	12000	1	3 391	VL A	Head	413/0066
56175F4	7598G	5	12.0	3000	12000	1	3 391	VL A	Head	413/0066
56356G1	6786G	6	15.0	3000	12000	2	8 478	VL A	Head	413/0066
56356A6	6637G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
56356A5	6639G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
56182C5	7134G	7	16.0	3000	12000	2	9 044	VL A	Head	413/0066
56175D1	7142G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
56182H4	7248G	7	16.0	3000	12000	2	9 044	VL A	Head	413/0066
56177G3	7290G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
56177G1	7336G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
56175A1	7346G	7	16.0	3000	12000	1	4 522	VL A	Head	413/0066
						132	339 111			

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
56157	0.15	0.65	0.20	0.012	0.002	0.038	0.002
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56165	0.12	0.95	0.18	0.011	0.006	0.048	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004

Heat No. (B07)	CEV	Remark (C70)
Set values:	min.	0.00
	max.	0.39
55041	0.34	1 3 4 5 6
55696	0.27	1 3 4 6
55887	0.27	1 3 4 6
55888	0.27	1 3 4 6
55890	0.27	1 3 4 6

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	Remark (C70)
Set values:	min. 0.00 max. 0.39	
55895	0.28	1 3 4 6
55896	0.27	1 3 4 6
56157	0.27	1 3 4 6
56158	0.26	1 3 4 6
56162	0.26	1 3 4 6
56165	0.29	1 3 4 6
56174	0.28	1 3 4 6
56175	0.28	1 3 4 6
56177	0.28	1 3 4 6
56179	0.26	1 3 4 6
56182	0.28	1 3 4 6
56210	0.28	1 3 4 6
56356	0.39	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

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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
56165I6	6080G-1-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I6	6080G-2-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I5	6081G-1-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I5	6081G-2-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I4	6082G-1-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I4	6082G-2-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I3	6083G-1-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56165I3	6083G-2-1	6.0	R	H	T	311	REH	436	A200	33	0.71
56356A6	6637G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356A5	6639G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G1	6786G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56356G1	6786G-2-1	15.0	R	H	T	319	REH	487	A200	32	0.66
55890M3	6809G-1-1	6.0	R	H	T	320	REH	448	A200	32	0.71
55890M3	6809G-2-1	6.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-1-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55890O5	6815G-1-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55890O5	6815G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D6	6816G-1-1	10.0	R	H	T	293	REH	429	A200	30	0.68
55887D5	6817G-1-1	10.0	R	H	T	293	REH	429	A200	30	0.68
55888E2	6842G-1-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888F2	6847G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55888A4	6851G-1-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888A4	6851G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
56158H2	6909G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158H2	6909G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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
56158H1	6910G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158H1	6910G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
55896G5	6911G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896G3	6913G-1-1	7.0	R	H	T	295	REH	430	A200	35	0.69
56158H5	6918G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158H5	6918G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158H4	6919G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158H4	6919G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
55896J5	6921G-1-1	7.0	R	H	T	308	REH	432	A200	35	0.71
55896J3	6923G-1-1	9.0	R	H	T	295	REH	430	A200	35	0.69
55896E6	6965G-1-1	9.0	R	H	T	295	REH	430	A200	35	0.69
55895F1	6978G-1-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D3	6982G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55896D2	6983G-1-1	9.0	R	H	T	295	REH	430	A200	35	0.69
55041A6	7005G-1-1	9.0	R	H	T	313	REH	464	A200	31	0.67
55041A7	7007G-1-1	7.0	R	H	T	317	REH	452	A200	31	0.70
56179E5	7060G-1-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179E5	7060G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56175G2	7078G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G2	7078G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-1-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-1-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-1-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56158E4	7115G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E4	7115G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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
56158E3	7116G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E3	7116G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A5	7123G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A5	7123G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A3	7125G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A3	7125G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56177H2	7128G-1-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56177H2	7128G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-1-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56182C5	7134G-1-1	16.0	R	H	T	268	REH	420	A200	33	0.64
56182C5	7134G-2-1	16.0	R	H	T	268	REH	420	A200	33	0.64
56175D1	7142G-1-1	16.0	R	H	T	281	REH	429	A200	35	0.66
56182B3	7170G-1-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56182B3	7170G-2-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56182B2	7172G-1-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56182B2	7172G-2-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56158E2	7176G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E2	7176G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56162D3	7179G-1-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56162D3	7179G-2-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56162D2	7180G-1-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56162D2	7180G-2-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56162D1	7181G-1-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56162D1	7181G-2-1	7.0	R	H	T	340	REH	455	A200	18	0.75
56158A2	7186G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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
56158A2	7186G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A1	7187G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158A1	7187G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158R4	7188G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R4	7188G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158R3	7189G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R3	7189G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P1	7193G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P1	7193G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56182A6	7208G-1-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56182H4	7248G-1-1	16.0	R	H	T	260	REH	414	A200	33	0.63
56182H4	7248G-2-1	16.0	R	H	T	260	REH	414	A200	33	0.63
56182H1	7250G-1-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56182H1	7250G-2-1	10.0	R	H	T	298	REH	430	A200	32	0.69
56210B2	7268G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210B2	7268G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210B1	7269G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56157O4	7272G-1-1	7.0	R	H	T	312	REH	444	A200	34	0.70
56157O4	7272G-2-1	7.0	R	H	T	311	REH	444	A200	34	0.70
56157O3	7280G-1-1	7.0	R	H	T	311	REH	444	A200	34	0.70
56157O3	7280G-2-1	7.0	R	H	T	311	REH	444	A200	34	0.70
56177G3	7290G-1-1	16.0	R	H	T	291	REH	434	A200	33	0.67
56177G1	7336G-1-1	16.0	R	H	T	294	REH	426	A200	33	0.69
56175H3	7344G-1-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56175A1	7346G-1-1	16.0	R	H	T	281	REH	429	A200	35	0.66

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 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
56177A3	7354G-1-1	10.0	R	H	T	297	REH	432	A200	36	0.69
56177A3	7354G-2-1	10.0	R	H	T	297	REH	432	A200	36	0.69
56175H2	7366G-1-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56175H2	7366G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56179F5	7372G-1-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179F5	7372G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179F4	7374G-1-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179B5	7382G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B3	7406G-1-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179B3	7406G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179B2	7409G-1-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179B2	7409G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G4	7414G-1-1	10.0	R	H	T	294	REH	430	A200	31	0.68
56179G4	7414G-2-1	10.0	R	H	T	294	REH	430	A200	31	0.68
56179F3	7416G-1-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179F2	7419G-1-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179F2	7419G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179D4	7512G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D4	7512G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56175I5	7520G-1-1	9.0	R	H	T	281	REH	429	A200	35	0.66
56179D1	7550G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A4	7556G-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179A4	7556G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-1-1	12.0	R	H	T	292	REH	430	A200	34	0.68

Our order No.: (A08) 9458951 **Your order No.:** (A07) 413/0066 **Order registration date:** 26.11.2019 **Date of dispatch:** 17.01.2020 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
56179C2	7600G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F5	7620G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F5	7620G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55696J3	7635G-1-1	7.0	R	H	T	281	REH	429	A200	33	0.66
55896G1	8194G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55696N2	8531G-1-1	7.0	R	H	T	281	REH	429	A200	33	0.66
55696R3	8569G-1-1	7.0	R	H	T	281	REH	429	A200	33	0.66

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) 9458951 **Your order No.:** (A07) 413/0066 **Order registration date:** 26.11.2019 **Date of dispatch:** 17.01.2020 B

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

Our order No.: (A08) 9458951 **Your order No.:** (A07) 413/0066 **Order registration date:** 26.11.2019 **Date of dispatch:** 17.01.2020 M

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/D	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) Normalized rolled (+N)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.come.llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56022B4	7657G	11	15.0	3000	12000	1	4 239	VL D	Head	413/0066
						1	4 239			

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 M

Chemical composition (heat analysis) all results in %

Heat No. (B07)	C	Mn	Si	P	S	Al
Set values:	min.	0.60	0.10			0.020
	max.	0.21	0.35	0.035	0.035	
56022	0.13	1.12	0.20	0.009	0.003	0.038

Heat No. (B07) CEV Remark (C70)

Set values:	min.	
	max.	0.99
56022	0.33	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

Our order No.: (A08) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 M

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
56022B4	7657G-1-1	15.0	R	H	T	312	REH	452	A200	32	0.69
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											

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)
56022B4	7657G-1-1	1	CV	10x10	H	L	-20	193	183	205	194
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) 9458951 Your order No.: (A07) 413/0066 Order registration date: 26.11.2019 Date of dispatch: 17.01.2020 M

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.com;llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56181M4	6526G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M3	6527G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M2	6528G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
55888Q6	7626G	1	6.0	3000	12000	1	1 696	VL A	Head	414/0004
56181M5	6408G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55887D2	6820G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56158E1	7177G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P3	7183G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56158R2	7190G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P2	7192G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210C5	7195G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56210C4	7276G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56159K5	0853H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J4	2485H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J3	2486H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55887D3	6819G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888E1	6843G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888A3	6852G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888H1	6917G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
55896E1	6970G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55895F2	6977G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55041A5	7015G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
56160H6	7283G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H5	7284G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H4	7285G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M3	7316G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M2	7317G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I5	7319G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I3	7321G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I2	7322G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I1	7323G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56160H3	7326G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O4	7330G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O3	7331G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B4	7428G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A5	7431G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E4	7432G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E3	7433G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E2	7434G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A4	7479G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A3	7480G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H6	7483G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H5	7484G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H4	7485G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H3	7486G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H2	7487G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158N2	7489G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174J5	7495G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160P3	7530G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160G3	7534G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174K3	7538G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158M3	7542G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159P1	7548G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B4	7718G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B2	7727G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B1	7728G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162O2	8192G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B5	8193G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56162A6	8202G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55696N1	8539G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56176G5	9304G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55890M2	6810G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888F6	6823G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q1	6837G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888H3	6908G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896D6	6979G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896A1	7028G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177H3	7126G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56182A6	7208G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G5	7286G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G4	7288G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G2	7294G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56175A3	7300G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177A5	7348G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177D3	7462G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56177D6	7464G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56179D1	7550G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56179A5	7552G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55696O4	8528G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q3	6835G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E5	6839G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E3	6841G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F5	6844G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F4	6845G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888A5	6850G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55888A1	6915G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55896E5	6966G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55895F3	6976G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175G4	7052G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175G3	7054G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H5	7082G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D4	7096G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H1	7132G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D2	7138G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175H3	7344G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B5	7382G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B4	7384G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179F3	7416G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179C4	7566G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179C2	7600G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175F2	7612G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
55896J1	8203G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179E1	7090G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175D3	7136G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56182B1	7173G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A4	7352G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175H1	7370G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A1	7380G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179B1	7412G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179G2	7413G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179D5	7510G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179A3	7558G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175F3	7608G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56188D5	8248G	6	11.0	3000	12000	1	3 109	VL A	Head	414/0004
56179C3	1328H	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179E2	7088G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175D5	7092G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175H4	7342G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179F4	7374G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56179G5	7423G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56177D4	7452G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179D3	7514G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179C5	7562G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179A1	7594G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175F4	7598G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56020H5	7825G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56356A4	6655G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356G5	6782G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356C5	6720G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H1	6753G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C4	6755G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C3	6757G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C2	6760G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C1	6763G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H5	6710G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56356C6	6718G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H4	6745G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H3	6747G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H2	6750G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175G1	7080G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
						185	506 146			

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %							
Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
55901	0.13	1.07	0.18	0.011	0.004	0.039	0.003
56020	0.14	1.15	0.22	0.011	0.002	0.032	0.003
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56159	0.15	0.64	0.20	0.011	0.004	0.030	0.002
56160	0.15	0.64	0.19	0.008	0.005	0.036	0.002
56161	0.15	0.65	0.19	0.012	0.007	0.040	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56176	0.12	0.87	0.18	0.019	0.012	0.039	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56181	0.13	1.11	0.19	0.015	0.006	0.041	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56188	0.12	0.95	0.21	0.016	0.003	0.041	0.003
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004
56357	0.16	1.33	0.18	0.006	0.006	0.040	0.004
Heat No. (B07)	CEV						Remark (C70)

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Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	Remark (C70)
Set values:	min. 0.00 max. 0.39	
55041	0.34	1 3 4 5 6
55696	0.27	1 3 4 6
55887	0.27	1 3 4 6
55888	0.27	1 3 4 6
55890	0.27	1 3 4 6
55895	0.28	1 3 4 6
55896	0.27	1 3 4 6
55901	0.32	1 3 4 6
56020	0.34	1 3 4 6
56158	0.26	1 3 4 6
56159	0.26	1 3 4 6
56160	0.27	1 3 4 6
56161	0.27	1 3 4 6
56162	0.26	1 3 4 6
56174	0.28	1 3 4 6
56175	0.28	1 3 4 6
56176	0.28	1 3 4 6
56177	0.28	1 3 4 6
56179	0.26	1 3 4 6
56181	0.33	1 3 4 6
56182	0.28	1 3 4 6
56188	0.29	1 3 4 6
56210	0.28	1 3 4 6
56356	0.39	1 3 4 6
56357	0.39	1 3 4 6

Supplementary information (C99)

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

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Chemical composition (heat analysis) all results in %

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56159K5	0853H-1-1	8.0	R	H	T	313	REH	444	A200	30	0.70
56179C3	1328H-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179C3	1328H-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
55901J4	2485H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
55901J3	2486H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
56181M5	6408G-1-1	7.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56356A4	6655G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56357H5	6710G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56356C6	6718G-1-1	18.0	R	H	T	285	R02	489	A200	33	0.58
56356C5	6720G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56357H4	6745G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H3	6747G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H2	6750G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H1	6753G-1-1	16.0	R	H	T	305	REH	488	A200	31	0.63
56356C4	6755G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C3	6757G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C2	6760G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C1	6763G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G5	6782G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55890M2	6810G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D3	6819G-1-1	8.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-1-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-2-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55888F6	6823G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55890Q3	6835G-1-1	10.0	R	H	T	320	REH	448	A200	32	0.71
55890Q1	6837G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55888E5	6839G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E3	6841G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E2	6842G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888E1	6843G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888F5	6844G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888F4	6845G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888A5	6850G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888A3	6852G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888H3	6908G-1-1	9.0	R	H	T	282	REH	432	A200	31	0.65
55896G3	6913G-2-1	7.0	R	H	T	295	REH	430	A200	35	0.69
55888A1	6915G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888H1	6917G-1-1	8.0	R	H	T	282	REH	432	A200	31	0.65
55888H1	6917G-2-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55896E5	6966G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896E1	6970G-1-1	8.0	R	H	T	295	REH	430	A200	35	0.69
55895F3	6976G-1-1	10.0	R	H	T	308	REH	442	A200	35	0.70
55895F2	6977G-1-1	8.0	R	H	T	308	REH	442	A200	35	0.70

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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 (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
55895F1	6978G-2-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D6	6979G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55041A5	7015G-1-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55041A5	7015G-2-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55896A1	7028G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
56175G4	7052G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G4	7052G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G1	7080G-1-1	18.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-1-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-2-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-2-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H3	7126G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H3	7126G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56175D3	7136G-1-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D3	7136G-2-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56182B1	7173G-1-1	11.0	R	H	T	298	REH	430	A200	32	0.69

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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 (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
56182B1	7173G-2-1	11.0	R	H	T	298	REH	430	A200	32	0.69
56158E1	7177G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E1	7177G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56174P3	7183G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P3	7183G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56158R2	7190G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R2	7190G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P2	7192G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P2	7192G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56210C5	7195G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C5	7195G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56182A6	7208G-2-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56210B1	7269G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56160H6	7283G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H5	7284G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H4	7285G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56177G5	7286G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G4	7288G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177G2	7294G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G2	7294G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56175A3	7300G-1-1	9.0	R	H	T	292	REH	430	A200	34	0.68
56162M3	7316G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162M2	7317G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75

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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 (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
56159I5	7319G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I3	7321G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I2	7322G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I1	7323G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56160H3	7326G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56159O4	7330G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159O3	7331G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56175H4	7342G-1-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H4	7342G-2-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H3	7344G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56177A5	7348G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177A4	7352G-1-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56177A4	7352G-2-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56175H1	7370G-1-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56175H1	7370G-2-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56179F4	7374G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56177A1	7380G-1-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56177A1	7380G-2-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56179B5	7382G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B1	7412G-1-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179B1	7412G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179G2	7413G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179G2	7413G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56179F3	7416G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G5	7423G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179G5	7423G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56162B4	7428G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A5	7431G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56161E4	7432G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E3	7433G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E2	7434G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56177D4	7452G-1-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D4	7452G-2-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56162A4	7479G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A3	7480G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56159H6	7483G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H5	7484G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H4	7485G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H3	7486G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H2	7487G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56158N2	7489G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56174J5	7495G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56179D5	7510G-1-1	11.0	R	H	T	294	REH	430	A200	31	0.68
56179D5	7510G-2-1	11.0	R	H	T	294	REH	430	A200	31	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56179D3	7514G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D3	7514G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56160P3	7530G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160G3	7534G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56174K3	7538G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56158M3	7542G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56159P1	7548G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56179D1	7550G-2-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A5	7552G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A3	7558G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179A3	7558G-2-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179C5	7562G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C5	7562G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C4	7566G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179C4	7566G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-2-1	12.0	R	H	T	292	REH	430	A200	34	0.68
56179C2	7600G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F3	7608G-1-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F3	7608G-2-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55888Q6	7626G-1-1	6.0	R	H	T	282	REH	432	A200	31	0.65
56161B4	7718G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161B2	7727G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56161B1	7728G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56020H5	7825G-1-1	12.0	R	H	T	322	REH	464	A200	30	0.69
56162O2	8192G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162B5	8193G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162A6	8202G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
55896J1	8203G-1-1	10.0	R	H	T	308	REH	432	A200	35	0.71
56188D5	8248G-1-1	11.0	R	H	T	297	REH	427	A200	34	0.70
55696O4	8528G-1-1	9.0	R	H	T	281	REH	429	A200	33	0.66
55696N1	8539G-1-1	8.0	R	H	T	281	REH	429	A200	33	0.66
56176G5	9304G-1-1	8.0	R	H	T	259	REH	424	A200	34	0.61

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) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 B

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.come.llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56181M4	6526G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M3	6527G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M2	6528G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
55888Q6	7626G	1	6.0	3000	12000	1	1 696	VL A	Head	414/0004
56181M5	6408G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55887D2	6820G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56158E1	7177G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P3	7183G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56158R2	7190G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P2	7192G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210C5	7195G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56210C4	7276G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56159K5	0853H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J4	2485H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J3	2486H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55887D3	6819G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888E1	6843G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888A3	6852G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888H1	6917G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
55896E1	6970G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55895F2	6977G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55041A5	7015G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
56160H6	7283G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H5	7284G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H4	7285G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M3	7316G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M2	7317G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I5	7319G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I3	7321G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I2	7322G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I1	7323G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56160H3	7326G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O4	7330G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O3	7331G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B4	7428G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A5	7431G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E4	7432G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E3	7433G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E2	7434G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A4	7479G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A3	7480G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H6	7483G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H5	7484G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H4	7485G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H3	7486G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H2	7487G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158N2	7489G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174J5	7495G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160P3	7530G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160G3	7534G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174K3	7538G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158M3	7542G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159P1	7548G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B4	7718G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B2	7727G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B1	7728G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162O2	8192G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B5	8193G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56162A6	8202G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55696N1	8539G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56176G5	9304G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55890M2	6810G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888F6	6823G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q1	6837G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888H3	6908G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896D6	6979G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896A1	7028G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177H3	7126G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56182A6	7208G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G5	7286G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G4	7288G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G2	7294G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56175A3	7300G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177A5	7348G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177D3	7462G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56177D6	7464G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56179D1	7550G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56179A5	7552G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55696O4	8528G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q3	6835G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E5	6839G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E3	6841G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F5	6844G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F4	6845G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888A5	6850G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55888A1	6915G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55896E5	6966G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55895F3	6976G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175G4	7052G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175G3	7054G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H5	7082G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D4	7096G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H1	7132G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D2	7138G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175H3	7344G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B5	7382G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B4	7384G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179F3	7416G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179C4	7566G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179C2	7600G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175F2	7612G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
55896J1	8203G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179E1	7090G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175D3	7136G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56182B1	7173G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A4	7352G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175H1	7370G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A1	7380G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179B1	7412G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179G2	7413G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179D5	7510G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179A3	7558G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175F3	7608G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56188D5	8248G	6	11.0	3000	12000	1	3 109	VL A	Head	414/0004
56179C3	1328H	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179E2	7088G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175D5	7092G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175H4	7342G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179F4	7374G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56179G5	7423G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56177D4	7452G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179D3	7514G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179C5	7562G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179A1	7594G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175F4	7598G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56020H5	7825G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56356A4	6655G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356G5	6782G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356C5	6720G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H1	6753G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C4	6755G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C3	6757G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C2	6760G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C1	6763G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H5	6710G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56356C6	6718G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H4	6745G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H3	6747G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H2	6750G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175G1	7080G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
						185	506 146			

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %							
Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
55901	0.13	1.07	0.18	0.011	0.004	0.039	0.003
56020	0.14	1.15	0.22	0.011	0.002	0.032	0.003
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56159	0.15	0.64	0.20	0.011	0.004	0.030	0.002
56160	0.15	0.64	0.19	0.008	0.005	0.036	0.002
56161	0.15	0.65	0.19	0.012	0.007	0.040	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56176	0.12	0.87	0.18	0.019	0.012	0.039	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56181	0.13	1.11	0.19	0.015	0.006	0.041	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56188	0.12	0.95	0.21	0.016	0.003	0.041	0.003
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004
56357	0.16	1.33	0.18	0.006	0.006	0.040	0.004
Heat No. (B07)	CEV						Remark (C70)

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

Heat No. (B07)	CEV	Remark (C70)
Set values:	min. 0.00 max. 0.39	
55041	0.34	1 3 4 5 6
55696	0.27	1 3 4 6
55887	0.27	1 3 4 6
55888	0.27	1 3 4 6
55890	0.27	1 3 4 6
55895	0.28	1 3 4 6
55896	0.27	1 3 4 6
55901	0.32	1 3 4 6
56020	0.34	1 3 4 6
56158	0.26	1 3 4 6
56159	0.26	1 3 4 6
56160	0.27	1 3 4 6
56161	0.27	1 3 4 6
56162	0.26	1 3 4 6
56174	0.28	1 3 4 6
56175	0.28	1 3 4 6
56176	0.28	1 3 4 6
56177	0.28	1 3 4 6
56179	0.26	1 3 4 6
56181	0.33	1 3 4 6
56182	0.28	1 3 4 6
56188	0.29	1 3 4 6
56210	0.28	1 3 4 6
56356	0.39	1 3 4 6
56357	0.39	1 3 4 6

Supplementary information (C99)

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

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



Europe – Plate

Inspection Certificate ^(A02)

EN 10204:2004/3.2

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Date of creation: ^(Z02)

17.01.2020

Certificate No.: ^(A03)

105842

Our order No.: ^(A08) 9458981Your order No.: ^(A07) 414/0004

Order registration date: 27.11.2019

Date of dispatch: 17.01.2020 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
56159K5	0853H-1-1	8.0	R	H	T	313	REH	444	A200	30	0.70
56179C3	1328H-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179C3	1328H-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
55901J4	2485H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
55901J3	2486H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
56181M5	6408G-1-1	7.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56356A4	6655G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56357H5	6710G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56356C6	6718G-1-1	18.0	R	H	T	285	R02	489	A200	33	0.58
56356C5	6720G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56357H4	6745G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H3	6747G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H2	6750G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H1	6753G-1-1	16.0	R	H	T	305	REH	488	A200	31	0.63
56356C4	6755G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C3	6757G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C2	6760G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C1	6763G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G5	6782G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55890M2	6810G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D3	6819G-1-1	8.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-1-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-2-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55888F6	6823G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55890Q3	6835G-1-1	10.0	R	H	T	320	REH	448	A200	32	0.71
55890Q1	6837G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55888E5	6839G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E3	6841G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E2	6842G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888E1	6843G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888F5	6844G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888F4	6845G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888A5	6850G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888A3	6852G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888H3	6908G-1-1	9.0	R	H	T	282	REH	432	A200	31	0.65
55896G3	6913G-2-1	7.0	R	H	T	295	REH	430	A200	35	0.69
55888A1	6915G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888H1	6917G-1-1	8.0	R	H	T	282	REH	432	A200	31	0.65
55888H1	6917G-2-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55896E5	6966G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896E1	6970G-1-1	8.0	R	H	T	295	REH	430	A200	35	0.69
55895F3	6976G-1-1	10.0	R	H	T	308	REH	442	A200	35	0.70
55895F2	6977G-1-1	8.0	R	H	T	308	REH	442	A200	35	0.70

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55895F1	6978G-2-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D6	6979G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55041A5	7015G-1-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55041A5	7015G-2-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55896A1	7028G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
56175G4	7052G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G4	7052G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G1	7080G-1-1	18.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-1-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-2-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-2-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H3	7126G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H3	7126G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56175D3	7136G-1-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D3	7136G-2-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56182B1	7173G-1-1	11.0	R	H	T	298	REH	430	A200	32	0.69

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56182B1	7173G-2-1	11.0	R	H	T	298	REH	430	A200	32	0.69
56158E1	7177G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E1	7177G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56174P3	7183G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P3	7183G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56158R2	7190G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R2	7190G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P2	7192G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P2	7192G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56210C5	7195G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C5	7195G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56182A6	7208G-2-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56210B1	7269G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56160H6	7283G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H5	7284G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H4	7285G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56177G5	7286G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G4	7288G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177G2	7294G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G2	7294G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56175A3	7300G-1-1	9.0	R	H	T	292	REH	430	A200	34	0.68
56162M3	7316G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162M2	7317G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56159I5	7319G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I3	7321G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I2	7322G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I1	7323G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56160H3	7326G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56159O4	7330G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159O3	7331G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56175H4	7342G-1-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H4	7342G-2-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H3	7344G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56177A5	7348G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177A4	7352G-1-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56177A4	7352G-2-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56175H1	7370G-1-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56175H1	7370G-2-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56179F4	7374G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56177A1	7380G-1-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56177A1	7380G-2-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56179B5	7382G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B1	7412G-1-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179B1	7412G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179G2	7413G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179G2	7413G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56179F3	7416G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G5	7423G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179G5	7423G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56162B4	7428G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A5	7431G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56161E4	7432G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E3	7433G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E2	7434G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56177D4	7452G-1-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D4	7452G-2-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56162A4	7479G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A3	7480G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56159H6	7483G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H5	7484G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H4	7485G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H3	7486G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H2	7487G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56158N2	7489G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56174J5	7495G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56179D5	7510G-1-1	11.0	R	H	T	294	REH	430	A200	31	0.68
56179D5	7510G-2-1	11.0	R	H	T	294	REH	430	A200	31	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56179D3	7514G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D3	7514G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56160P3	7530G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160G3	7534G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56174K3	7538G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56158M3	7542G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56159P1	7548G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56179D1	7550G-2-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A5	7552G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A3	7558G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179A3	7558G-2-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179C5	7562G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C5	7562G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C4	7566G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179C4	7566G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-2-1	12.0	R	H	T	292	REH	430	A200	34	0.68
56179C2	7600G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F3	7608G-1-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F3	7608G-2-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55888Q6	7626G-1-1	6.0	R	H	T	282	REH	432	A200	31	0.65
56161B4	7718G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161B2	7727G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56161B1	7728G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56020H5	7825G-1-1	12.0	R	H	T	322	REH	464	A200	30	0.69
56162O2	8192G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162B5	8193G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162A6	8202G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
55896J1	8203G-1-1	10.0	R	H	T	308	REH	432	A200	35	0.71
56188D5	8248G-1-1	11.0	R	H	T	297	REH	427	A200	34	0.70
55696O4	8528G-1-1	9.0	R	H	T	281	REH	429	A200	33	0.66
55696N1	8539G-1-1	8.0	R	H	T	281	REH	429	A200	33	0.66
56176G5	9304G-1-1	8.0	R	H	T	259	REH	424	A200	34	0.61

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) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 B

Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Material requirements and customer information

Product: (A03) Plate	Steel standard and grade: (B02) VL/A	Surface tolerance: EN 10163-2 B3
Delivery condition: (B04) As rolled (AR)		Length tolerance: EN 10029 Table 3
Customer name and address (A06) 8099 BALENCIAGA SA SANTIAGO AUZOA 1 20750 ZUMAIA Spain	Certificate address 8099001 BALENCIAGA SAjesus@astillerosbalenciaga.come.llano@eu.nlmk.com SANTIAGO AUZOA 1 20750 ZUMAIA Spain jesus@astillerosbalenciaga.com;agurtza@astillerosbalenciaga.com;E.LLANO@EU.NLMK.COM	Width tolerance: EN 10029 Table 2 Thickness tolerance: EN 10029 Class B 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)
56181M4	6526G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M3	6527G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
56181M2	6528G	1	6.0	3000	12000	2	3 392	VL A	Head	414/0004
55888Q6	7626G	1	6.0	3000	12000	1	1 696	VL A	Head	414/0004
56181M5	6408G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55890Q6	6812G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55887D2	6820G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
55888E2	6842G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
55896G3	6913G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
55895F1	6978G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56158E1	7177G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P3	7183G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56158R2	7190G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56174P2	7192G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210C5	7195G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56210B1	7269G	2	7.0	3000	12000	1	1 978	VL A	Head	414/0004
56210C4	7276G	2	7.0	3000	12000	2	3 956	VL A	Head	414/0004
56159K5	0853H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J4	2485H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55901J3	2486H	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55887D3	6819G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888E1	6843G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888A3	6852G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55888H1	6917G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
55896E1	6970G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55895F2	6977G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55041A5	7015G	3	8.0	3000	12000	2	4 522	VL A	Head	414/0004
56160H6	7283G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H5	7284G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160H4	7285G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M3	7316G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162M2	7317G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I5	7319G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I3	7321G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I2	7322G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159I1	7323G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56160H3	7326G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O4	7330G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159O3	7331G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B4	7428G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A5	7431G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E4	7432G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E3	7433G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161E2	7434G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A4	7479G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162A3	7480G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H6	7483G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H5	7484G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H4	7485G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H3	7486G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159H2	7487G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158N2	7489G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174J5	7495G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160P3	7530G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56160G3	7534G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56174K3	7538G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56158M3	7542G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56159P1	7548G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B4	7718G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B2	7727G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56161B1	7728G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162O2	8192G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56162B5	8193G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56162A6	8202G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55696N1	8539G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
56176G5	9304G	3	8.0	3000	12000	1	2 261	VL A	Head	414/0004
55890M2	6810G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888F6	6823G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q1	6837G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55888H3	6908G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896D6	6979G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55896A1	7028G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177H3	7126G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56182A6	7208G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G5	7286G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G4	7288G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177G2	7294G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56175A3	7300G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177A5	7348G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56177D3	7462G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56177D6	7464G	4	9.0	3000	12000	2	5 086	VL A	Head	414/0004
56179D1	7550G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
56179A5	7552G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55696O4	8528G	4	9.0	3000	12000	1	2 543	VL A	Head	414/0004
55890Q3	6835G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E5	6839G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888E3	6841G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F5	6844G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888F4	6845G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55888A5	6850G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004

Our order No.: (A08) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 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)
55888A1	6915G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55896E5	6966G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
55895F3	6976G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175G4	7052G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175G3	7054G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H5	7082G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D4	7096G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56177H1	7132G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175D2	7138G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56175H3	7344G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B5	7382G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179B4	7384G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179F3	7416G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179C4	7566G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
56179C2	7600G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56175F2	7612G	5	10.0	3000	12000	2	5 652	VL A	Head	414/0004
55896J1	8203G	5	10.0	3000	12000	1	2 826	VL A	Head	414/0004
56179E1	7090G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175D3	7136G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56182B1	7173G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A4	7352G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56175H1	7370G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56177A1	7380G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179B1	7412G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179G2	7413G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179D5	7510G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56179A3	7558G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175F3	7608G	6	11.0	3000	12000	2	6 218	VL A	Head	414/0004
56188D5	8248G	6	11.0	3000	12000	1	3 109	VL A	Head	414/0004
56179C3	1328H	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179E2	7088G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175D5	7092G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175H4	7342G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179F4	7374G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56179G5	7423G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56177D4	7452G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179D3	7514G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179C5	7562G	7	12.0	3000	12000	2	6 782	VL A	Head	414/0004
56179A1	7594G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56175F4	7598G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56020H5	7825G	7	12.0	3000	12000	1	3 391	VL A	Head	414/0004
56356A4	6655G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356G5	6782G	8	15.0	3000	12000	1	4 239	VL A	Head	414/0004
56356C5	6720G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H1	6753G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C4	6755G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C3	6757G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C2	6760G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56356C1	6763G	9	16.0	3000	12000	1	4 522	VL A	Head	414/0004
56357H5	6710G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56356C6	6718G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H4	6745G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H3	6747G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
56357H2	6750G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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)
56175G1	7080G	10	18.0	3000	12000	1	5 087	VL A	Head	414/0004
						185	506 146			

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %							
Heat No. (B07)	C	Mn	Si	P	S	Al	Nb
Set values:	min.	0.00				0.020	
	max.	0.21	0.50	0.035	0.035		0.009
55041	0.15	1.14	0.19	0.011	0.001	0.048	0.004
55696	0.15	0.66	0.20	0.010	0.011	0.038	0.003
55887	0.15	0.67	0.17	0.009	0.005	0.041	0.003
55888	0.15	0.65	0.18	0.011	0.008	0.041	0.003
55890	0.15	0.65	0.19	0.010	0.005	0.036	0.003
55895	0.15	0.70	0.20	0.013	0.004	0.040	0.006
55896	0.16	0.64	0.19	0.006	0.004	0.040	0.003
55901	0.13	1.07	0.18	0.011	0.004	0.039	0.003
56020	0.14	1.15	0.22	0.011	0.002	0.032	0.003
56158	0.15	0.62	0.20	0.010	0.003	0.037	0.002
56159	0.15	0.64	0.20	0.011	0.004	0.030	0.002
56160	0.15	0.64	0.19	0.008	0.005	0.036	0.002
56161	0.15	0.65	0.19	0.012	0.007	0.040	0.002
56162	0.14	0.63	0.16	0.015	0.006	0.033	0.003
56174	0.15	0.64	0.20	0.012	0.004	0.035	0.002
56175	0.13	0.84	0.19	0.017	0.010	0.047	0.003
56176	0.12	0.87	0.18	0.019	0.012	0.039	0.003
56177	0.13	0.84	0.18	0.018	0.006	0.038	0.002
56179	0.12	0.83	0.18	0.011	0.004	0.040	0.002
56181	0.13	1.11	0.19	0.015	0.006	0.041	0.002
56182	0.14	0.85	0.17	0.010	0.014	0.047	0.002
56188	0.12	0.95	0.21	0.016	0.003	0.041	0.003
56210	0.15	0.70	0.19	0.015	0.006	0.035	0.002
56356	0.16	1.34	0.18	0.007	0.008	0.039	0.004
56357	0.16	1.33	0.18	0.006	0.006	0.040	0.004
Heat No. (B07)	CEV						Remark (C70)

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis)			all results in %
Heat No. (B07)	CEV	Remark (C70)	
Set values:	min. 0.00 max. 0.39		
55041	0.34	1 3 4 5 6	
55696	0.27	1 3 4 6	
55887	0.27	1 3 4 6	
55888	0.27	1 3 4 6	
55890	0.27	1 3 4 6	
55895	0.28	1 3 4 6	
55896	0.27	1 3 4 6	
55901	0.32	1 3 4 6	
56020	0.34	1 3 4 6	
56158	0.26	1 3 4 6	
56159	0.26	1 3 4 6	
56160	0.27	1 3 4 6	
56161	0.27	1 3 4 6	
56162	0.26	1 3 4 6	
56174	0.28	1 3 4 6	
56175	0.28	1 3 4 6	
56176	0.28	1 3 4 6	
56177	0.28	1 3 4 6	
56179	0.26	1 3 4 6	
56181	0.33	1 3 4 6	
56182	0.28	1 3 4 6	
56188	0.29	1 3 4 6	
56210	0.28	1 3 4 6	
56356	0.39	1 3 4 6	
56357	0.39	1 3 4 6	
Supplementary information (C99)			
CEV = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15			

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

Chemical composition (heat analysis) all results in %

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

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56159K5	0853H-1-1	8.0	R	H	T	313	REH	444	A200	30	0.70
56179C3	1328H-1-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56179C3	1328H-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
55901J4	2485H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
55901J3	2486H-1-1	8.0	R	H	T	308	REH	449	A200	35	0.69
56181M5	6408G-1-1	7.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M4	6526G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M3	6527G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-1-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56181M2	6528G-2-1	6.0	R	H	T	337	REH	460	A200	28	0.73
56356A4	6655G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66
56357H5	6710G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56356C6	6718G-1-1	18.0	R	H	T	285	R02	489	A200	33	0.58
56356C5	6720G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56357H4	6745G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H3	6747G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H2	6750G-1-1	18.0	R	H	T	305	REH	488	A200	31	0.63
56357H1	6753G-1-1	16.0	R	H	T	305	REH	488	A200	31	0.63
56356C4	6755G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C3	6757G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C2	6760G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356C1	6763G-1-1	16.0	R	H	T	319	REH	487	A200	32	0.66
56356G5	6782G-1-1	15.0	R	H	T	319	REH	487	A200	32	0.66

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55890M2	6810G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55890Q6	6812G-2-1	7.0	R	H	T	320	REH	448	A200	32	0.71
55887D3	6819G-1-1	8.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-1-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55887D2	6820G-2-1	7.0	R	H	T	293	REH	429	A200	30	0.68
55888F6	6823G-1-1	9.0	R	H	T	316	REH	441	A200	29	0.72
55890Q3	6835G-1-1	10.0	R	H	T	320	REH	448	A200	32	0.71
55890Q1	6837G-1-1	9.0	R	H	T	320	REH	448	A200	32	0.71
55888E5	6839G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E3	6841G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888E2	6842G-2-1	7.0	R	H	T	309	REH	437	A200	34	0.71
55888E1	6843G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888F5	6844G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888F4	6845G-1-1	10.0	R	H	T	316	REH	441	A200	29	0.72
55888A5	6850G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888A3	6852G-1-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55888H3	6908G-1-1	9.0	R	H	T	282	REH	432	A200	31	0.65
55896G3	6913G-2-1	7.0	R	H	T	295	REH	430	A200	35	0.69
55888A1	6915G-1-1	10.0	R	H	T	309	REH	437	A200	34	0.71
55888H1	6917G-1-1	8.0	R	H	T	282	REH	432	A200	31	0.65
55888H1	6917G-2-1	8.0	R	H	T	309	REH	437	A200	34	0.71
55896E5	6966G-1-1	10.0	R	H	T	295	REH	430	A200	35	0.69
55896E1	6970G-1-1	8.0	R	H	T	295	REH	430	A200	35	0.69
55895F3	6976G-1-1	10.0	R	H	T	308	REH	442	A200	35	0.70
55895F2	6977G-1-1	8.0	R	H	T	308	REH	442	A200	35	0.70

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
55895F1	6978G-2-1	7.0	R	H	T	308	REH	442	A200	35	0.70
55896D6	6979G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
55041A5	7015G-1-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55041A5	7015G-2-1	8.0	R	H	T	319	REH	464	A200	32	0.69
55896A1	7028G-1-1	9.0	R	H	T	308	REH	432	A200	35	0.71
56175G4	7052G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G4	7052G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G3	7054G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175G1	7080G-1-1	18.0	R	H	T	288	REH	424	A200	33	0.68
56177H5	7082G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56179E2	7088G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-1-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56179E1	7090G-2-1	11.0	R	H	T	286	REH	430	A200	35	0.67
56175D5	7092G-2-1	12.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D4	7096G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56177H3	7126G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H3	7126G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177H1	7132G-2-1	10.0	R	H	T	294	REH	426	A200	33	0.69
56175D3	7136G-1-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D3	7136G-2-1	11.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-1-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56175D2	7138G-2-1	10.0	R	H	T	288	REH	424	A200	33	0.68
56182B1	7173G-1-1	11.0	R	H	T	298	REH	430	A200	32	0.69

Our order No.: (A08) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 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
56182B1	7173G-2-1	11.0	R	H	T	298	REH	430	A200	32	0.69
56158E1	7177G-1-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56158E1	7177G-2-1	7.0	R	H	T	299	REH	435	A200	32	0.69
56174P3	7183G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P3	7183G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56158R2	7190G-1-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56158R2	7190G-2-1	7.0	R	H	T	379	REH	500	A200	20	0.76
56174P2	7192G-1-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56174P2	7192G-2-1	7.0	R	H	T	318	REH	450	A200	28	0.71
56210C5	7195G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C5	7195G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56182A6	7208G-2-1	9.0	R	H	T	298	REH	430	A200	32	0.69
56210B1	7269G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-1-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56210C4	7276G-2-1	7.0	R	H	T	293	REH	430	A200	32	0.68
56160H6	7283G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H5	7284G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160H4	7285G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56177G5	7286G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G4	7288G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177G2	7294G-1-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56177G2	7294G-2-1	9.0	R	H	T	294	REH	426	A200	33	0.69
56175A3	7300G-1-1	9.0	R	H	T	292	REH	430	A200	34	0.68
56162M3	7316G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162M2	7317G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 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
56159I5	7319G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I3	7321G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I2	7322G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159I1	7323G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56160H3	7326G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56159O4	7330G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159O3	7331G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56175H4	7342G-1-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H4	7342G-2-1	12.0	R	H	T	281	REH	429	A200	35	0.66
56175H3	7344G-2-1	10.0	R	H	T	281	REH	429	A200	35	0.66
56177A5	7348G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177A4	7352G-1-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56177A4	7352G-2-1	11.0	R	H	T	308	REH	433	A200	34	0.71
56175H1	7370G-1-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56175H1	7370G-2-1	11.0	R	H	T	281	REH	429	A200	35	0.66
56179F4	7374G-2-1	12.0	R	H	T	286	REH	430	A200	35	0.67
56177A1	7380G-1-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56177A1	7380G-2-1	11.0	R	H	T	297	REH	432	A200	36	0.69
56179B5	7382G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-1-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B4	7384G-2-1	10.0	R	H	T	286	REH	430	A200	35	0.67
56179B1	7412G-1-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179B1	7412G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68
56179G2	7413G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179G2	7413G-2-1	11.0	R	H	T	298	REH	437	A200	34	0.68

Our order No.: (A08) 9458981 Your order No.: (A07) 414/0004 Order registration date: 27.11.2019 Date of dispatch: 17.01.2020 B

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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
56179F3	7416G-2-1	10.0	R	H	T	298	REH	437	A200	34	0.68
56179G5	7423G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179G5	7423G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56162B4	7428G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A5	7431G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56161E4	7432G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E3	7433G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161E2	7434G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56177D4	7452G-1-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D4	7452G-2-1	12.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D3	7462G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-1-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56177D6	7464G-2-1	9.0	R	H	T	291	REH	434	A200	33	0.67
56162A4	7479G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56162A3	7480G-1-1	8.0	R	H	T	340	REH	455	A200	18	0.75
56159H6	7483G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H5	7484G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H4	7485G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H3	7486G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56159H2	7487G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56158N2	7489G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56174J5	7495G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56179D5	7510G-1-1	11.0	R	H	T	294	REH	430	A200	31	0.68
56179D5	7510G-2-1	11.0	R	H	T	294	REH	430	A200	31	0.68

Our order No.: (A08) 9458981 **Your order No.:** (A07) 414/0004 **Order registration date:** 27.11.2019 **Date of dispatch:** 17.01.2020 B

Tensile testing

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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
56179D3	7514G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179D3	7514G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56160P3	7530G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56160G3	7534G-1-1	8.0	R	H	T	283	REH	425	A200	35	0.67
56174K3	7538G-1-1	8.0	R	H	T	318	REH	450	A200	28	0.71
56158M3	7542G-1-1	8.0	R	H	T	379	REH	500	A200	20	0.76
56159P1	7548G-1-1	8.0	R	H	T	295	REH	429	A200	32	0.69
56179D1	7550G-2-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A5	7552G-1-1	9.0	R	H	T	294	REH	430	A200	31	0.68
56179A3	7558G-1-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179A3	7558G-2-1	11.0	R	H	T	303	REH	426	A200	33	0.71
56179C5	7562G-1-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C5	7562G-2-1	12.0	R	H	T	294	REH	430	A200	31	0.68
56179C4	7566G-1-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179C4	7566G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56179A1	7594G-2-1	12.0	R	H	T	303	REH	426	A200	33	0.71
56175F4	7598G-2-1	12.0	R	H	T	292	REH	430	A200	34	0.68
56179C2	7600G-2-1	10.0	R	H	T	303	REH	426	A200	33	0.71
56175F3	7608G-1-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F3	7608G-2-1	11.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-1-1	10.0	R	H	T	292	REH	430	A200	34	0.68
56175F2	7612G-2-1	10.0	R	H	T	292	REH	430	A200	34	0.68
55888Q6	7626G-1-1	6.0	R	H	T	282	REH	432	A200	31	0.65
56161B4	7718G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56161B2	7727G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73

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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
56161B1	7728G-1-1	8.0	R	H	T	335	REH	461	A200	31	0.73
56020H5	7825G-1-1	12.0	R	H	T	322	REH	464	A200	30	0.69
56162O2	8192G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162B5	8193G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
56162A6	8202G-1-1	8.0	R	H	T	328	REH	445	A200	31	0.74
55896J1	8203G-1-1	10.0	R	H	T	308	REH	432	A200	35	0.71
56188D5	8248G-1-1	11.0	R	H	T	297	REH	427	A200	34	0.70
55696O4	8528G-1-1	9.0	R	H	T	281	REH	429	A200	33	0.66
55696N1	8539G-1-1	8.0	R	H	T	281	REH	429	A200	33	0.66
56176G5	9304G-1-1	8.0	R	H	T	259	REH	424	A200	34	0.61

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) 9458981	Your order No.: (A07) 414/0004	Order registration date: 27.11.2019	Date of dispatch: 17.01.2020 B
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Ship Steel or Steel for Ships, Boiler, Pressure Vessel and for welded Machinery Structures. We hereby certify that the Plates have been made by an approved process in accordance with, the rules of the stated Classification Society and the stated Steel Grade. Testing of the hereby certified materials has been carried out with satisfactory results in the presence of the Classification Society's Surveyor.

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