LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Mobilité
et des Travaux publics

Département de la mobilité
et des transports

SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION
S.A.
Registre de Commerce: B 27180

L-8070 Bertrange

Référence: E13*22R06/02*10632*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 17 octobre 2024

Communication concernant:
Communication concerning:

- **la délivrance d'une homologation**
  approval granted
- ~~**l'extension d'homologation**~~
  ~~approval extended~~
- ~~**le refus d'homologation**~~
  ~~approval refused~~
- ~~**le retrait d'homologation**~~
  ~~approval withdrawn~~
- ~~**l'arrêt définitif de la production**~~
  ~~production definitely discontinued~~

D'UN TYPE DE CASQUE DE PROTECTION ~~SANS~~ / AVEC/ ~~UN~~ /~~PLUSIEURS~~ / TYPE(S) D'ECRAN ~~SANS~~ / AVEC / UN / ~~PLUSIEURS~~ TYPE(~~S~~) D'ACCESSOIRE SPECIAL EN APPLICATION DU REGLEMENT N°22

of a type of protective helmet ~~without~~ / with / ~~one~~ / more / visor type(s) ~~without~~/with one / ~~more~~ specific accessory type(s) pursuant to regulation N°22

Homologation N°:
Approval number: E13*22R06/02*10632*00

1. Marque de fabrique ou de commerce:
Trade mark: SCHUBERTH

2. Type:
Type: J2

3. Tailles:
Sizes: 53, 55, 57, 59, 61, 63, 65

4. Nom du fabricant:
Name of manufacturer: SCHUBERTH GmbH

5. Adresse du fabricant:
Address: Stegelitzer Str. 12
D-39126 Magdeburg

6. Le cas échéant, nom de son mandataire:
If applicable, name of manufacturer's representative: not applicable

7. Adresse:
Address: not applicable

8.	**Description sommaire:** Brief description of helmet:	Protective helmet with non-protective lower face cover. Shell made of fiberglass reinforced vinyl ester (GPR) and reinforced layers out of carbon. Protective padding made of expanded polystyrene in several parts. The adaption to the different head sizes is done by different shells, protective padding and different thickness of the comfort padding. The helmet is fitted with: 2 visors with separate approvals 2 sun shield types in one size (Mark: IV/2/D/J/ or IV/2/S/J) Optional communication systems: SC COM 24 (E13*22R06/02*10631*00)
9.	**Casque ~~dépourvu de protection maxillaire (J)~~ muni ~~d'une protection maxillaire intégrale (P)~~ d'une protection maxillaire non intégrale (NP) ~~d'une protection maxillaire détachable ou mobile (P/J)~~** Helmet ~~without lower face cover (J)~~ ~~with protective lower face cover (P)~~ non protective lower face cover (NP) ~~detachable or movable lower face cover (P/J)~~	with non protective lower face cover (NP)
10.	**Type de l'écran ou des écrans:** Type of visor or visors:	SV7/C (E13*22R06/02*10633*00) SV7/D (E13*22R06/02*10634*00)
11.	**Description sommaire de l'écran ou des écrans, le cas échéant, de l'écran intérieur:** Brief description of visor or visors, and inner visor of any:	clear or tinted visor, three dimensional injected, optionally equipped with anti-fog lens
12.	**Casque prévu pour accessoires spéciaux (SA) / prévu pour accessoires universels (UA):** Helmet ready for specific accessory (SA)/ready for universal accessories (UA):	Specific accessory (SA)
13.	**Accessoires inclus dans l'homologation du casque et fonctionnalité:** Accessories included in the helmet homologation and functionality:	Refer to item 8 of this certificate
14.	**Dans le cas d'un casque UA, haut-parleurs (S ou S45)/microphone (M):** If UA helmet, speakers (S or S45)/Microphone (M) / Front mounting (F) / Side mounting (L), Rear mounting (R):	not applicable
15.	**Présenté à l'homologation les:** Submitted for approval:	07.10.2024
16.	**Service technique chargé des essais d'homologation:** Technical service responsble for carrying out the tests:	TÜV Rheinland Kraftfahrt GmbH
17.	**Date du procès-verbal délivré par ce service:** Date of report issued by that service:	07.10.2024
18.	**Numéro du procès-verbal délivré par ce service:** Number of test report issued by that service:	224LP0010-00
19.	**Remarques:** Comments:	not applicable

20. **Homologation:**
Approval: granted

21. **Lieu:**
Place: Bertrange

22. **Date:**
Date: 17 octobre 2024

23. **Signature:**
Signature:

Pour la Ministre de la Mobilité et des Travaux publics

Iliass ZERKTOUNI
Attaché

Pour la SNCH

Société Nationale de Certification et d'Homologation
snch

Laurent LINDEN
Directeur opérationnel

OLAS OFFICE LUXEMBOURGEOIS D'ACCREDITATION ET DE SURVEILLANCE
ACCREDITATION NUMBER: 5/001
ISO/IEC 17065

24. **Les documents suivants portant le numéro d'homologation indiqué ci-dessus peuvent être obtenues sur demande:** see index to type-approval report
The following documents, bearing the approval number shown above, are available on request:

Modifications faisant l'objet de la présente extension:
Reason for extension:

not applicable

LE GOUVERNEMENT
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SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION
S.A.
Registre de Commerce: B 27180

L-8070 Bertrange

Référence: E13*22R06/02*10632*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 17 octobre 2024

Index du dossier d'homologation
Index to type-approval report

	Numéro d'homologation: Approval number:	E13*22R06/02*10632*00
	Révision: Revision:	00
	Marque de fabrique ou de commerce: *Trade name or mark:*	*SCHUBERTH*
	Type: *Type:*	*J2*
1.	**Procès-verbal d'essai:** Test report:	N° 224LP0010-00
	- Technical report: - List of modification: - Test minutes:	Page(s) 1 to 5; Appendix 0 - Page(s) 6; Appendix 1 - Page(s) 7 to 17.
2.	**Dossier du constructeur:** Report of the manufacturer:	N° Description Helmet J2_GG
	- Manufacturer's information document:	Page(s) 1 to 18.
3.	**Autres documents annexés:** Other documents annexed:	not applicable
4.	**Date de délivrance de l'homologation initiale:** Date of issue of initial type approval:	17.10.2024
5.	**Date de la dernière délivrance de pages révisées:** Date of last issue of revised pages:	not applicable
6.	**Date de la dernière délivrance d'une homologation révisée** Date of last extension:	not applicable

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Test Report No. 244LP0010-00

Type : J2

Manufacturer : SCHUBERTH GmbH

TEST REPORT

according to

UN-R 22

Uniform provisions concerning the approval of protective helmets, of their visors and of their accessories for drivers and passengers of motorcycles and mopeds

as last amended by

Amendment 06, Supplement 2

For the Type Approval of:

- ☐ Helmet + Visor
- ☒ Helmet
- ☐ Visor
- ☐ Accessory

Approval Status

UN-approval : E13*22R06/02*10632*00 (reserved)

Structure of the Test Report
Item no.
0. General information
1. Tested vehicle(s)/object(s)
2. Test record
3. Appendices
4. Statement of conformity

The Test Report shall be reproduced and published only in its entirety by the client. It may however be reproduced and published partially, but only with the written permission of the Technical Service.

Type : J2

Manufacturer : SCHUBERTH GmbH

E13*22R06/02*10632*00

Société Nationale de Certification et d'Homologation

0. General information

0.1.	Trade mark	:	SCHUBERTH
0.2.	Type	:	J2
0.3.	Helmet Category	:	“NP” (with detachable non protective lower face cover)
0.4.	Name and address of the manufacturer	:	Stegelitzer Straße 12 39126 Magdeburg Germany
0.5.	No. of the information document	:	Description Helmet J2_GG
	-Date of issue	:	2024-08-26
	-Date of last change	:	--

1. Tested vehicle(s) / object(s)

1.1. Description

1.1.1.	Object	:	Helmet
	Commercial name	:	not applicable
	Type	:	J2
	Variants		#1: J2 #2: J2 Woman
	Identification number	:	without
1.1.2.	Condition of vehicle(s)/object(s)	:	new
1.2.	Worst case configuration	:	There is no worst case selection required because all versions mentioned in the information folder are tested. The variants J2 and J2 Women are technically the same.
1.3.	Remarks	:	without

2. Test record

2.1.	Equipment for measuring and testing	:	The test and measurement equipment used were in compliance with the test requirements.
2.1.1.	Specifications for the test site	:	not applicable
2.1.2.	Subcontracting	:	not applicable

2.2. Test results

Test results referring to measurements	:	passed
Test results of not measurable attributes	:	not applicable
Alternative test methods	:	not applicable
Remarks concerning extension	:	not applicable

2.3.	Additional information	:	The results of the test refer exclusively to the object(s) mentioned under point 1. of this report.
	Test site(s)	:	TÜV Rheinland Kraftfahrt GmbH Technology Center Traffic Safety Department Motorcycles & Agricultural Laboratory for Head Protection Am Grauen Stein 51105 Cologne / Germany TÜV Rheinland Kraftfahrt GmbH Department Lighting Rhinstraße 46 12681 Berlin / Germany
	Test date	:	2024-10-07
2.4.	Remarks	:	without

3. **Appendices**

Appendix 0	:	List of modifications
Appendix 1	:	Test minutes

4. **Statement of conformity**

The Information Document listed in section 0.5., and the type described therein, comply with the requirements stated on page 1. The test results in this report refer to the vehicle(s)/object(s) described under section 1.1. With regards to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2).

Cologne, 2024-10-07

Schaudt

Peter Schaudt[1]
Technical Expert Technical Service

[1] [1] Advanced electronic signature, if used, in accordance with Article 25 and Article 26 of (EU) regulation 910/2014 (eIDAS Regulation)

Type : **J2**

Manufacturer : **SCHUBERTH GmbH**

Appendix 0

List of modifications

Correction of	:	--
Modification of	:	--
Addition of	:	--
Deletion of	:	--

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Test Report No. 244LP0010-00

Type : J2

Manufacturer : SCHUBERTH GmbH

Test minutes **Appendix 1**

General Requirements for Helmets

1	Basic construction *(6.1)*	:	The helmet consists of a shell, protective padding, comfort padding and a retention system.
2	Additional construction *(6.2/6.2.1)*	:	The helmet is fitted with: 2 visors with separate approval 2 sun shield types in one size (Mark: IV/2/D/J/ or IV/2/S/J) Optional communication systems: SC COM 24 (E13*22R06/02*10631*00)
3	Not protective lower face cover *(6.2.2.)*	:	The lower face cover is marked as non-protective by the symbol “Does not protect chin from impacts”
4	Protection areas *(6.4)*	:	The shell and padding of the helmets of each size cover the required areas.
5	Hearing ability and Temperature *(6.5)*	:	The wearer’s ability to hear is not dangerously affected by the helmet. The helmet has ventilation holes in the shell to prevent overheating.
6	Outer Projections *(6.6 / 6.7)*	:	All external projections are rounded and smooth. All external projections ≤ 2 mm have a radius ≥ 1 mm There are projections of the outer shell, greater than 2mm. All external projections > 2 mm have a radius ≥ 2 mm. The shear assessment was successful.
7	Inner Projections *(6.8)*	:	No inward facing sharp edges. All internal parts are covered with padding.
8	Helmet components *(6.9)*	:	The components of the helmet are assembled in a way that they do not become easily detached as a result of impact.
9	Retention system		
9.1	Abrasion protection *(6.10)*	:	The wearer is protected from abrasion by the retention system.

9.2	General *(6.11)*	:	The retention system fully complies with the requirements of the regulation: - Retention System is permanently attached - Chin strap is adjustable and maintains tension - Strap has a width of minimum 20 mm - No chin-cup - No rigid parts 130 mm below head form reference plane - Total opening of retention system only with voluntary action - Detailed instructions for use of the buckle - If sliding bar or double D ring: red pulling flap with minimum dimensions of 10x20 mm is provided - Buckle cannot be left in partially closed position
	E13*22R06/02*10632*00 Société Nationale de Certification et d'Homologation		
9.3	Chin strap *(6.11.1 / 7.12.1.1)*	:	Under a load of 150 N the width of the chin strap is > 20 mm. The chin strap is covered with an additional comfort padding. It is not possible to open the quick-release mechanism with a ball of diameter 100 mm.
10	Control / actuating device for detachable/movable Face cover *(6.12)*	:	not applicable
11	Materials *(6.13)*	:	The materials used for the helmet comply with the regulation.
12	Breakage and Deformation *(6.14)*	:	The helmet does not show breakage or deformation dangerous to the wearer after testing.
13	Peripheral Vision *(6.15)*	:	Complies with the requirements of the regulation, refer test results.
14	Sun Shield		
14.1	General *(6.17.1)*	:	The sun shield does not affect the visor in any way. The sun shield is controlled separately from the visor.

14.2	Field of Vision *(6.17.2)*	:	Complies with the requirements of the regulation, see also test results: - Field of Vison - Luminous transmittance - No defects impairing vision - No noticeable distortion - Spectral transmittance - Reflective power values
15	Conspicuity marking *(6.18)*	:	The helmet is optionally equipped with retroreflective parts. The dimensions and locations of the retro-reflective devices are in acc. with the regulation.
16	Information *(14)*	:	Manufacturer-information about size and weight are located on the outer shell by adhesive label(s). Additional consumer information in accordance with the ECE-R 22 is given by the owner's manual. It must always be enclosed to the offered helmet.

6.15. Peripheral vision

Helmet Size	Testhead	horizontal angle min. 210°	upwards angle min. 7°	downwards angle min. 45°
61	605	Pass	Pass	Pass
53	515	Pass	Pass	Pass

7.3. Impact-absorption-tests

All values are within the limits of the regulation, 275 g respectively 2400 HIC.

Headsize	**Cond.**	**Anvil Shape**	**Point**	**Helmet Size**	**Max Peak [g]**	**HIC**	**Speed [m/s]**
625	AMB	Flat	B	63	159	1205	7,55
625	AMB	Flat	X right	63	178	1322	7,59
625	AMB	Flat	P	63	183	1697	7,59
625	AMB	Flat	R	63	151	1031	7,59
625	AMB	Kerb	B	63	157	1067	7,59
625	AMB	Kerb	X right	63	137	895	7,59
625	AMB	Kerb	P	63	145	886	7,59
625	AMB	Kerb	R	63	143	768	7,59
625	+50°C	Kerb	B	63	162	1140	7,59
625	+50°C	Kerb	X right	63	153	1002	7,55
625	+50°C	Kerb	P	63	138	896	7,59
625	+50°C	Kerb	R	63	139	752	7,59
625	-10°C	Flat	B	63	155	1161	7,55
625	-10°C	Flat	X right	63	186	1427	7,55
625	-10°C	Flat	P	63	180	1710	7,59
625	-10°C	Flat	R	63	135	869	7,59
625	MOIST.	Flat	B	63	126	779	7,59
625	MOIST.	Flat	X right	63	176	1260	7,55
625	MOIST.	Flat	P	63	175	1619	7,59
625	MOIST.	Flat	R	63	124	880	7,55
625	+50°C	Kerb	B	65	156	1017	7,55
625	+50°C	Kerb	X right	65	146	963	7,52
625	+50°C	Kerb	P	65	139	996	7,59
625	+50°C	Kerb	R	65	140	766	7,55
625	-10°C	Flat	B	65	161	1247	7,62
625	-10°C	Flat	X right	65	201	1542	7,59
625	-10°C	Flat	P	65	187	1753	7,59
625	-10°C	Flat	R	65	161	1141	7,55

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Test Report No. 244LP0010-00

Type : J2

Manufacturer : SCHUBERTH GmbH

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
605	-10°C	Flat	B	61	156	1108	7,62
605	-10°C	Flat	X right	61	194	1533	7,59
605	-10°C	Flat	P	61	187	1759	7,59
605	-10°C	Flat	R	61	147	981	7,55
605	+50°C	Kerb	B	61	163	1243	7,59
605	+50°C	Kerb	X right	61	144	932	7,52
605	+50°C	Kerb	P	61	146	1006	7,59
605	+50°C	Kerb	R	61	148	888	7,59
575	AMB	Kerb	B	59	173	1202	7,59
575	AMB	Kerb	X right	59	174	1241	7,59
575	AMB	Kerb	P	59	159	1129	7,59
575	AMB	Kerb	R	59	160	1161	7,55
575	+50°C	Kerb	B	59	166	1128	7,59
575	+50°C	Kerb	X right	59	189	1235	7,62
575	+50°C	Kerb	P	59	154	1029	7,59
575	+50°C	Kerb	R	59	151	955	7,59
575	MOIST.	Flat	B	59	143	850	7,55
575	MOIST.	Flat	X right	59	198	1448	7,55
575	MOIST.	Flat	P	59	186	1732	7,55
575	MOIST.	Flat	R	59	147	1003	7,55
575	AMB	Flat	B	59	184	1507	7,59
575	AMB	Flat	X right	59	202	1536	7,59
575	AMB	Flat	P	59	186	1709	7,59
575	AMB	Flat	R	59	155	1095	7,55
575	-10°C	Flat	B	59	179	1370	7,59
575	-10°C	Flat	X right	59	203	1566	7,59
575	-10°C	Flat	P	59	187	1714	7,59
575	-10°C	Flat	R	59	151	981	7,52
535	+50°C	Kerb	B	55	143	900	7,55
535	+50°C	Kerb	X right	55	168	1065	7,55
535	+50°C	Kerb	P	55	144	1095	7,55
535	+50°C	Kerb	R	55	128	710	7,52
535	-10°C	Flat	B	55	139	937	7,55
535	-10°C	Flat	X right	55	178	1260	7,55
535	-10°C	Flat	P	55	172	1603	7,55
535	-10°C	Flat	R	55	117	631	7,59
515	-10°C	Flat	B	53	146	961	7,55
515	-10°C	Flat	X right	53	176	1201	7,55
515	-10°C	Flat	P	53	172	1613	7,55
515	-10°C	Flat	R	53	119	720	7,55
515	+50°C	Kerb	B	53	148	960	7,55
515	+50°C	Kerb	X right	53	172	1057	7,55
515	+50°C	Kerb	P	53	146	1113	7,59
515	+50°C	Kerb	R	53	120	662	7,52

Low energy impact

All values are within the limits of the regulation, 180 g respectively 1300 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	B	63	133	713	6,14
625	AMB	Flat	X right	63	150	860	6,14
625	AMB	Flat	P	63	154	1049	6,14
625	AMB	Flat	R	63	126	627	6,14
575	AMB	Kerb	B	59	147	798	6,15
575	AMB	Kerb	X right	59	129	694	6,16
575	AMB	Kerb	P	59	130	668	6,10
575	AMB	Kerb	R	59	134	667	6,10

High energy impact

All values are within the limits of the regulation, 275 g respectively 2880 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	B	63	187	1622	8,29
625	AMB	Flat	X right	63	207	1805	8,29
625	AMB	Flat	P	63	196	2038	8,33
625	AMB	Flat	R	63	172	1464	8,29
575	AMB	Flat	B	59	197	1780	8,29
575	AMB	Flat	X right	59	237	2009	8,29
575	AMB	Flat	P	59	203	2123	8,29
575	AMB	Flat	R	59	173	1378	8,29

Extra point

All values are within the limits of the regulation, 275 g respectively 2400 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	BXL	63	175	1251	7,59
625	AMB	Flat	BXPR	63	172	1553	7,55
625	AMB	Flat	RXPR	63	174	1511	7,52
625	AMB	Flat	RXL	63	158	1128	7,55
625	AMB	45°L	BXR	63	124	870	7,55
625	AMB	45°L	BXPL	63	129	969	7,55
625	AMB	45°L	RXPL	63	121	872	7,52
625	AMB	45°L	RXR	63	122	897	7,59

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
575	AMB	Flat	BXL	59	176	1448	7,55
575	AMB	Flat	BXPR	59	181	1678	7,55
575	AMB	Flat	RXPR	59	178	1427	7,55
575	AMB	Flat	RXL	59	158	1112	7,52
575	AMB	45°L	BXR	59	123	749	7,55
575	AMB	45°L	BXPL	59	152	1135	7,59
575	AMB	45°L	RXPL	59	156	1145	7,50
575	AMB	45°L	RXR	59	132	923	7,55

7.4.2 Test for projections and surface friction (method B).

Test of projection at the following points of the outer shell:

Helmet size	Test head	Place of test	Result	Evaluation
58	575	rear wind tearing edge	slipped off	pass
58	575	front air vent cover	sheared off	pass

Test of outer surface friction at point P of the outer shell.

The abrasive carriage was not brought to rest by the helmet.
Evaluation: pass

7.5 Rigidity test.

Helmet Size	Direction	Deformation (max. 40 mm)	Permanent deformation (max. 15 mm)
65	longitudinal	19,0	2,6
	transversal	14,5	2,8
59	longitudinal	21,5	3,3
	transversal	20,4	4,5

7.6. Dynamic test of the retention system

All values are within the limits of the regulation.

Helmet Size	Headsize	dyn.movement (max. 35 mm)	stat.movement (max.25 mm)	Remarks
61	605	29,6	10,2	--
53	515	29,4	9,0	--

7.7.2. Retention (detaching) test - [Weight hooked to the front border]

All values are within the limits of the regulation.

Helmet Size	Headsize	angle of movement (max. 30°)	Remarks
61	605	23,4	--
53	515	29,0	--

7.7.3./4. Retention (detaching) test - [Falling mass]

All values are within the limits of the regulation.

E13*22R06/02*10632*00
Société Nationale de Certification et d'Homologation

Helmet Size	Headsize	angle of movement (max. 30°)	Remarks
61	605	20,0	--
53	515	8,0	--

7.9. Sun shield tests

All values are within the limits of the regulation.

Luminous transmittance [Item 6.17.2.2.] / road traffic sign and signals [Item 6.17.2.4.]

IV/2/D/J				
Luminous transmittance τ_v (D65) (>0,2)	$Q_{Red} \geq 0,8$	$Q_{Yellow} \geq 0,6$	$Q_{green} \geq 0,6$	$Q_{blue} \geq 0,6$
0,236	1,009	1,011	0,996	1,053
0,227	1,012	1,012	0,995	1,054
0,232	1,010	1,013	0,994	1,053
IV/2/S/J				
Luminous transmittance τ_v (D65) (>0,2)	$Q_{Red} \geq 0,8$	$Q_{Yellow} \geq 0,6$	$Q_{green} \geq 0,6$	$Q_{blue} \geq 0,6$
0,318	1,084	1,036	0,979	0,991
0,324	1,077	1,035	0,980	0,990
0,337	1,083	1,040	0,977	0,988

Spectral transmittance ($\geq 0,2\tau_v$) [Item 6.17.2.5]

IV/2/D/J
0,219
0,204
0,216

IV/2/S/J
0,286
0,289
0,304

Refractive powers [Item 6.17.2.6]

IV/2/D/J		Prismatic Diff. Effect [cm/m]		
		horizontal base (max. 1,00)		
Spherical effect [m^{-1}] (± 0,12)	Astigmatic effect [m^{-1}] (max. 0,12)	outside	inside	vertical base (max. 0,25)
-0,046	0,006	0,25	--	0,00
-0,049	0,004	0,30	--	0,00
-0,045	0,012	0,25	--	0,00

IV/2/S/J		Prismatic Diff. Effect [cm/m]		
		horizontal base (max. 1,00)		
Spherical effect [m^{-1}] (± 0,12)	Astigmatic effect [m^{-1}] (max. 0,12)	outside	inside	vertical base (max. 0,25)
-0,055	0,010	0,30	--	0,05
-0,050	0,007	0,30	--	0,00
-0,057	0,009	0,30	--	0,00

7.10 Microslip-test of the chin strap

E13*22R06/02*10632*00
Société Nationale de Certification et d'Homologation

All values are within the limits of the regulation.

Movement:	4 mm	Limit: ≤ 10 mm

7.11 Test for resistance to abrasion of the chin strap

Not necessary, because the movement of the chin strap after 500 cycles was less than 5 mm.

7.12 Tests for retention systems relying on quick-release mechanisms

All values are within the limits of the regulation.

Operation force of the automatic buckle ≤ 30 N (Measured at static load of 150 N)

Resistance of the automatic buckle
The load of 2000 N at the automatic buckle made no fracture or disengage. After the test the automatic buckle was still be capable of operation.

7.13. Oblique impact test method of measuring rotational acceleration

All values are within the limits of the regulation, 10400 rad/s2 respectively BrIC 0,78.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s2]	BrIC	Speed [m/s]
575	AMB	45°	FLR	59	2094	0,26	8,11
575	AMB	45°	Rear	59	3387	0,36	8,07
575	AMB	45°	LL	59	2427	0,32	8,11
575	AMB	45°	Front	59	2109	0,28	8,11
575	AMB	45°	RLR	59	3154	0,31	8,07
625	AMB	45°	FLR	63	1828	0,24	8,11
625	AMB	45°	Rear	63	2761	0,32	8,07
625	AMB	45°	LL	63	3088	0,32	8,11
625	AMB	45°	Front	63	3255	0,12	8,11
625	AMB	45°	RLR	63	2488	0,36	8,14

Manufacturer information document
Hersteller Informationsdokumentation

E13*22R06/02*10632*00
Société Nationale de Certification et d'Homologation

Name and Address of manufacturer:

SCHUBERTH GmbH
Stegelitzer Straße 12
39126 Magdeburg
Germany

0.	**General** allgemein	
0.1	**Trade Mark:** Markenname:	SCHUBERTH
0.2	**Type of the helmet** Helmtyp	J2
	Variant(s): Variante(n):	J2**,** J2 Women
0.3	**Type of sun shields** Sonnenblendentypen	IV/2/D/J IV/2/S/J
0.4	**Type of Visors** Visiertypen	SV7/C SV7/D
0.5	**Type of Specific accessory** Spezifisches Zubehör Typ	SC COM 24 (Communication System) SC COM 24 (Kommunikationssystem)

Annex
Anlage

1		**Technical Description** Technische Beschreibung		page 3 - 4
2		**Drawings** Zeichnungen		
	2.1	**General view** Gesamtansicht	Dra. No. 461-998-750	page 5
	2.2	**Chin Bar** Kinnteil	Dra. No. 461-098-102	page 6
	2.3	**Visor SV7** Visier SV7	Dra. No. 461-098-400	page 7
	2.4	**Anti-fog lens (optional)** Antibeschlagscheibe (optional)	Dra. No. 461-004-410	page 8
	2.5	**Sun shield IV size 2** Sonnenblende IV Gr. 2	Dra. No. 461-016-445	page 9

2.6	**Chin strap** Kinnriemen	Dra. No. 461-998-760	page 10
2.7	**ECE-Label** ECE-Etikett	Dra. No. 499-999-008	page 11
2.8a	**Reflecting tapes (optional)** Reflektierende Tapes (optional)	Dra. No. 499-099-005	page 12
2.8b	**Reflecting tapes (optional)** Reflektierende Tapes (optional)	Installation position / pictures Einbauposition / Fotos	page 13
2.9a-b	**communication system SC COM 24 (optional)** Kommunikationssystem SC COM 24 (optional)	Dra. No. 499-098-808 /499-098-809	page 14-15
2.9c	**communication system SC COM 24 (optional)** Kommunikationssystem SC COM 24 (optional)	Installation position / pictures Einbausituation – Fotos	page 16

E13*22R06/02*10632*00
Société Nationale de Certification et d'Homologation

3 Tables
Tabellen

3.1	**Specific weight of the protective padding, weight** Raumgewicht der Schutzpolsterung, Gesamtgewicht	page 17
3.2	**Comfort-padding** Komfortpolsterung	page 18

Annex 1 TECHNICAL DESCRIPTION after general view 461-998-750

Anlage 1 TECHNISCHE BESCHREIBUNG gemäß Gesamtansicht Zeichnung-Nr. 461-998-750

Helmet Type: **J2**
Helmtyp: J2

E13*22R06/02*10632*00
Société Nationale de Certification et d'Homologation

1. Outer Shell size 1 (for head-sizes 53; 55; 57; 59) and size 2 (for head-sizes 61; 63; 65) made of fibreglass reinforced vinyl ester (GRP) and reinforced layers out of carbon
   Helmschale Gr. 1 (für Gr. 53; 55; 57; 59) und Gr.2 (für Gr. 61; 63; 65) aus glasfaserverstärktem Vinylesterharz (GFK) und Verstärkungslagen aus Carbon

2. Air scope with ventilator slide for head ventilation
   Lüftungshaube mit Lüftungsschieber für Kopfbelüftung

3. Edge profile for helmet shell
   Abschlussprofil für Helmschale

4. Non Protective Chin bar
   Nicht schützendes Kinnteil

5. sun shield
   Sonnenblende

6. slider for sun shield
   Schieber für Sonnenblende

7. slider for Chin bar
   Kinnteilschieber

8. Visor
   Visier

9. one-piece inner shell (Basic Shell) foamed in two sectors of different density, made of expanded polystyrene with ventilating holes
   Einteilige Innenschale (Grundkörper) mit „Zwei-Zonen-Schaum“ aus Polystyrol-Hartschaum mit Belüftungsbohrungen

10. Cheek padding left and right
    Seitenteil links und rechts

11. neck padding
    Nackenpolster

12. Chin strap, attached to helmet shell pos.1
    Kinnriemen verbunden mit Helmschale Pos. 1.

13. Neckband
Nackenband

E13*22R06/02*10632*00
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14. exchangeable comfort-padding
auswechselbare Komfortpolsterung

15. position ECE-label
Position ECE - Etikett

16. reflecting tapes (optional)
Reflektierende Tapes (optional)

17. anti-fog lens
Antibeschlagscheibe

18. interface for communication system
Schnittstelle für Kommunikationssystem

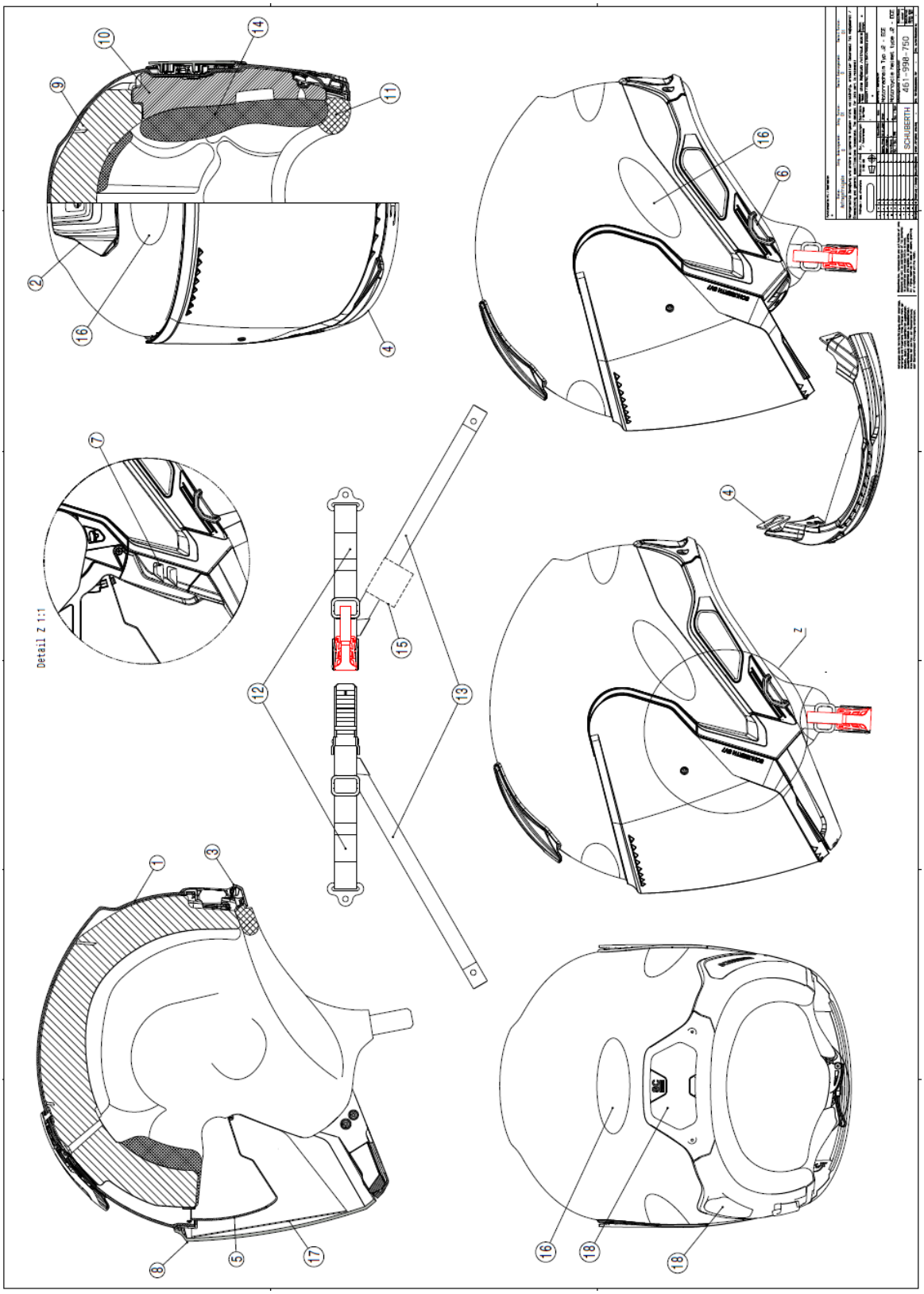
Annex 2: Drawings / Details

Anlage 2: Zeichnungen / Details

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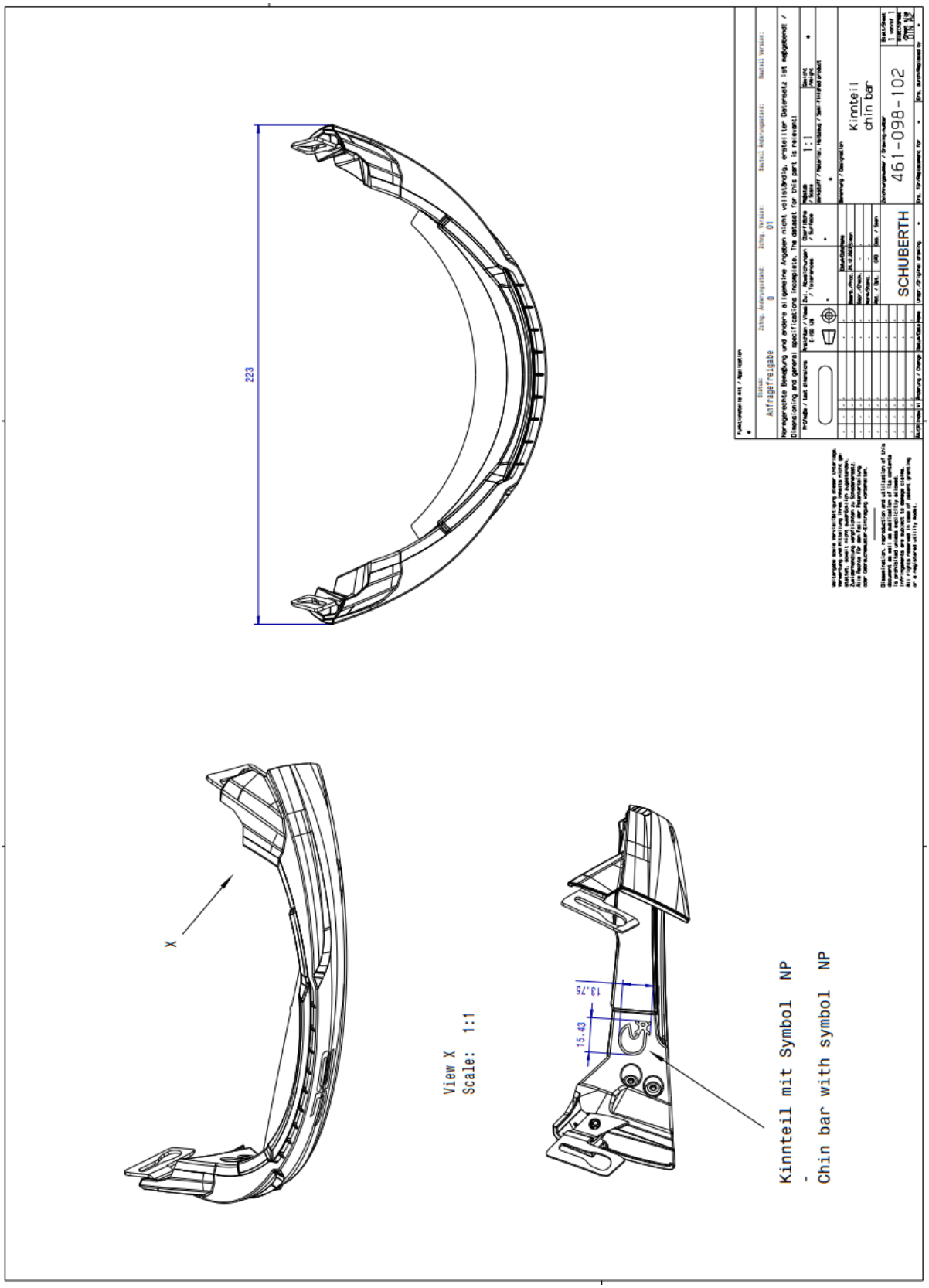
Annex 2.1

Anlage 2.1



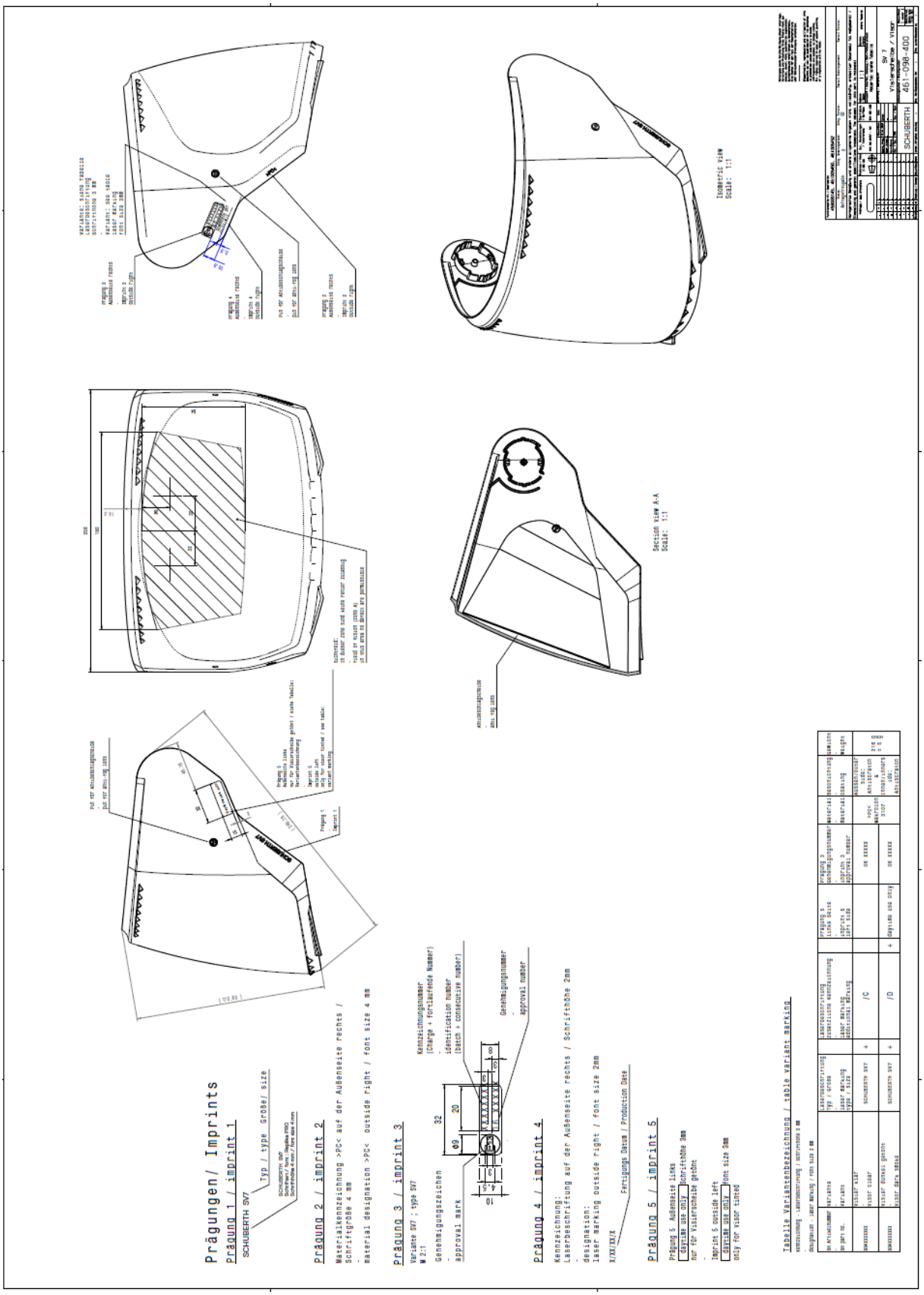
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Annex 2.2
Anlage 2.2



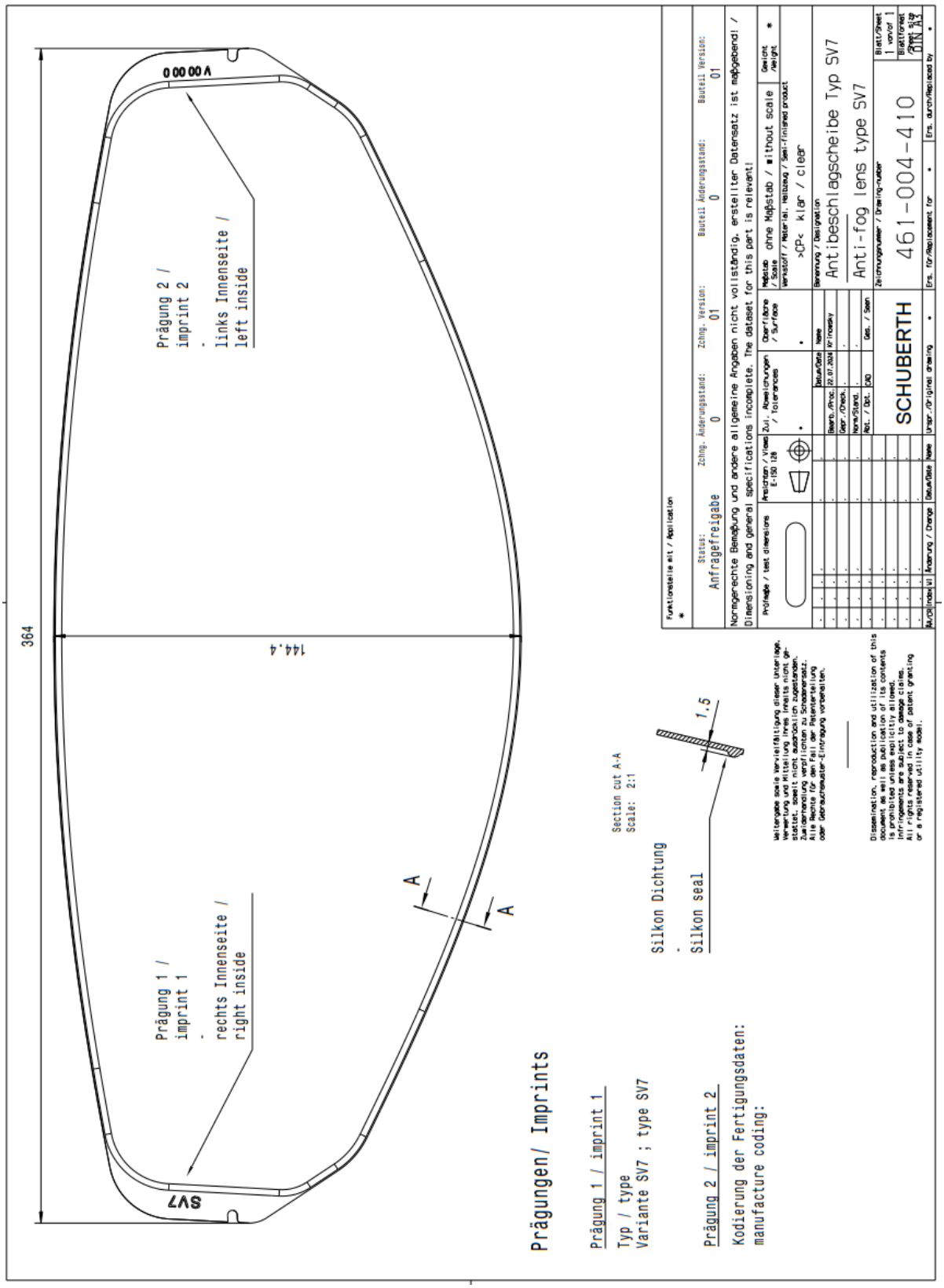
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Annex 2.3
Anlage 2.3



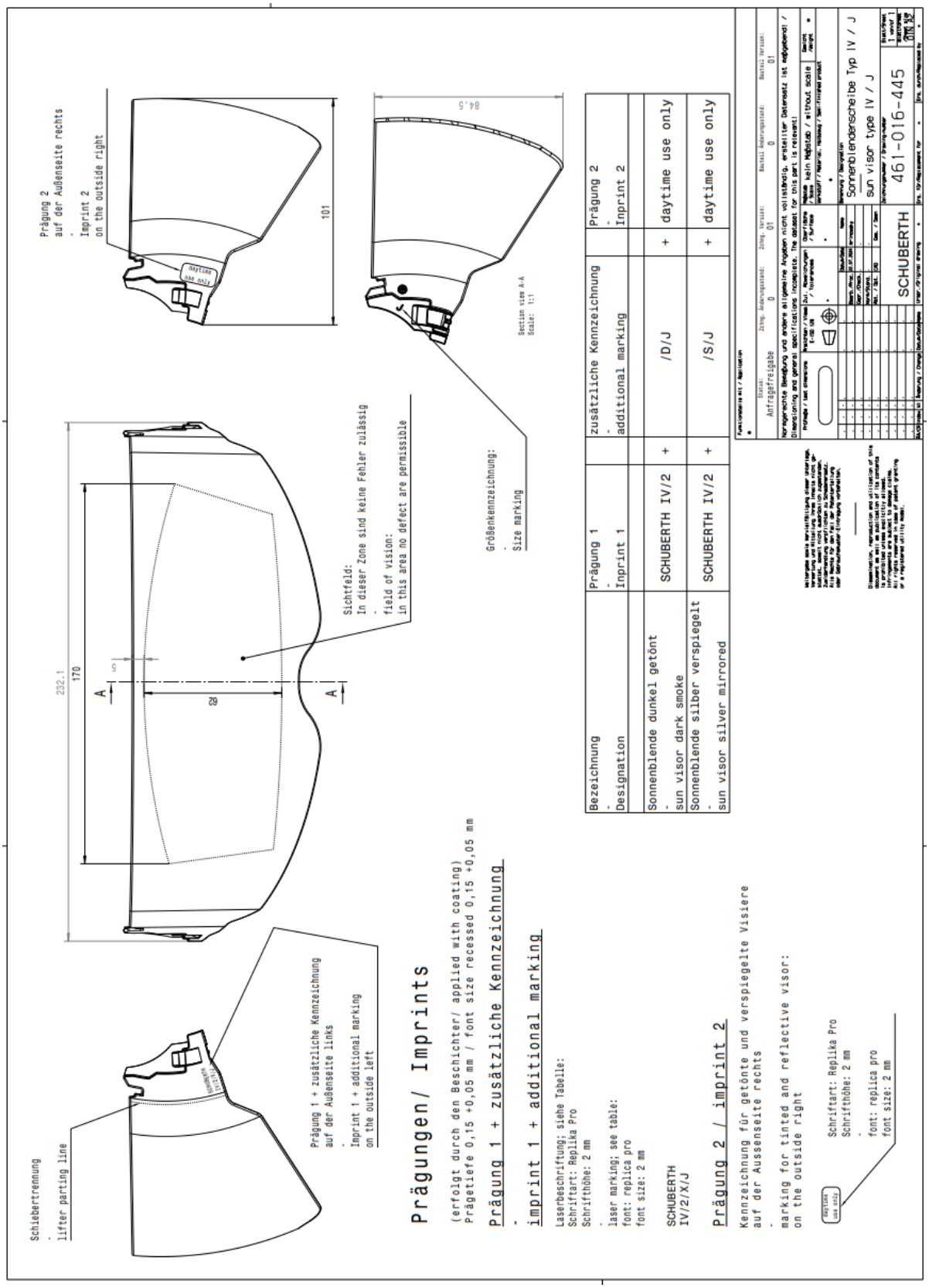
Annex 2.4
Anlage 2.4

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Annex 2.5
Anlage 2.5

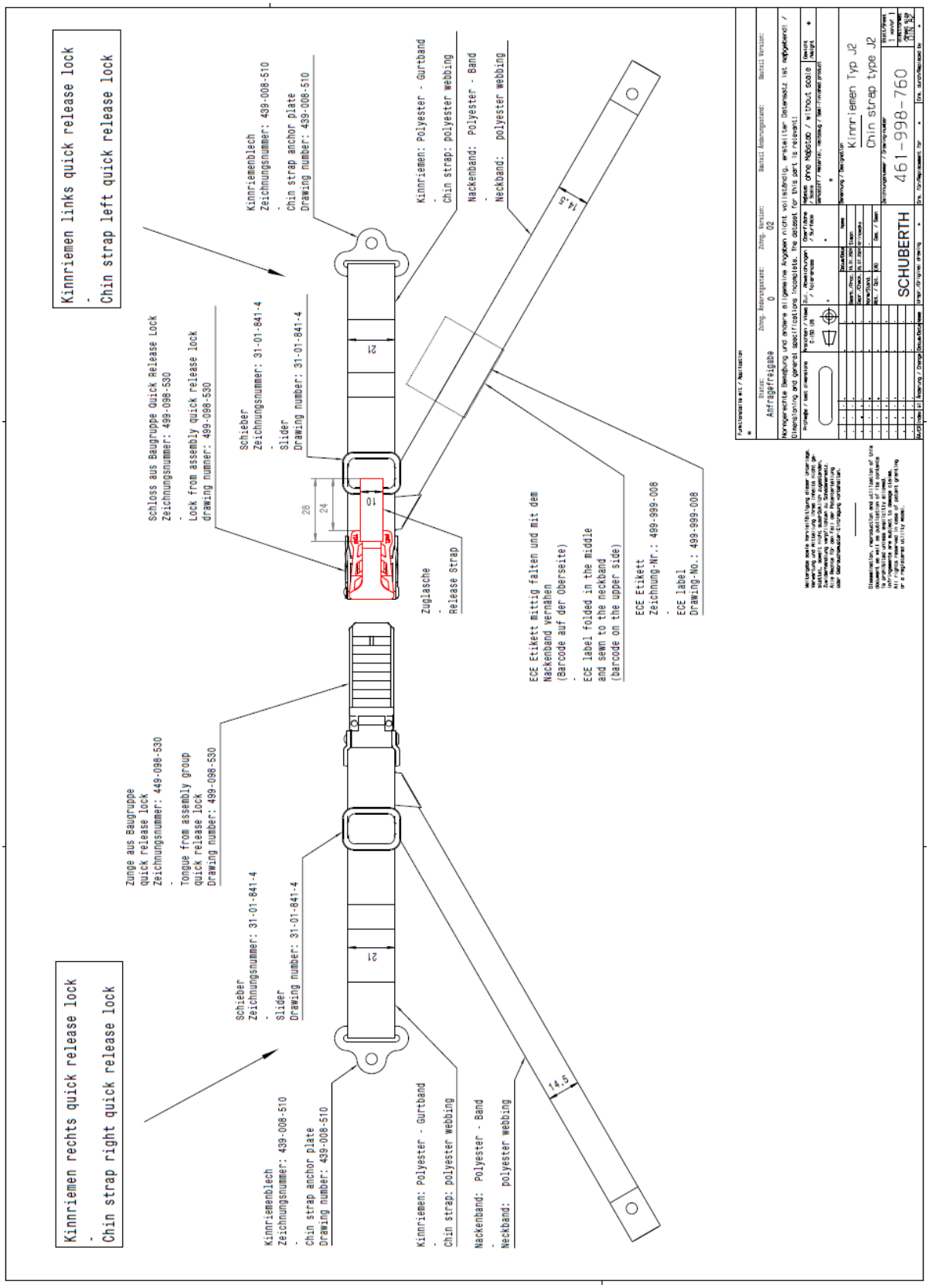
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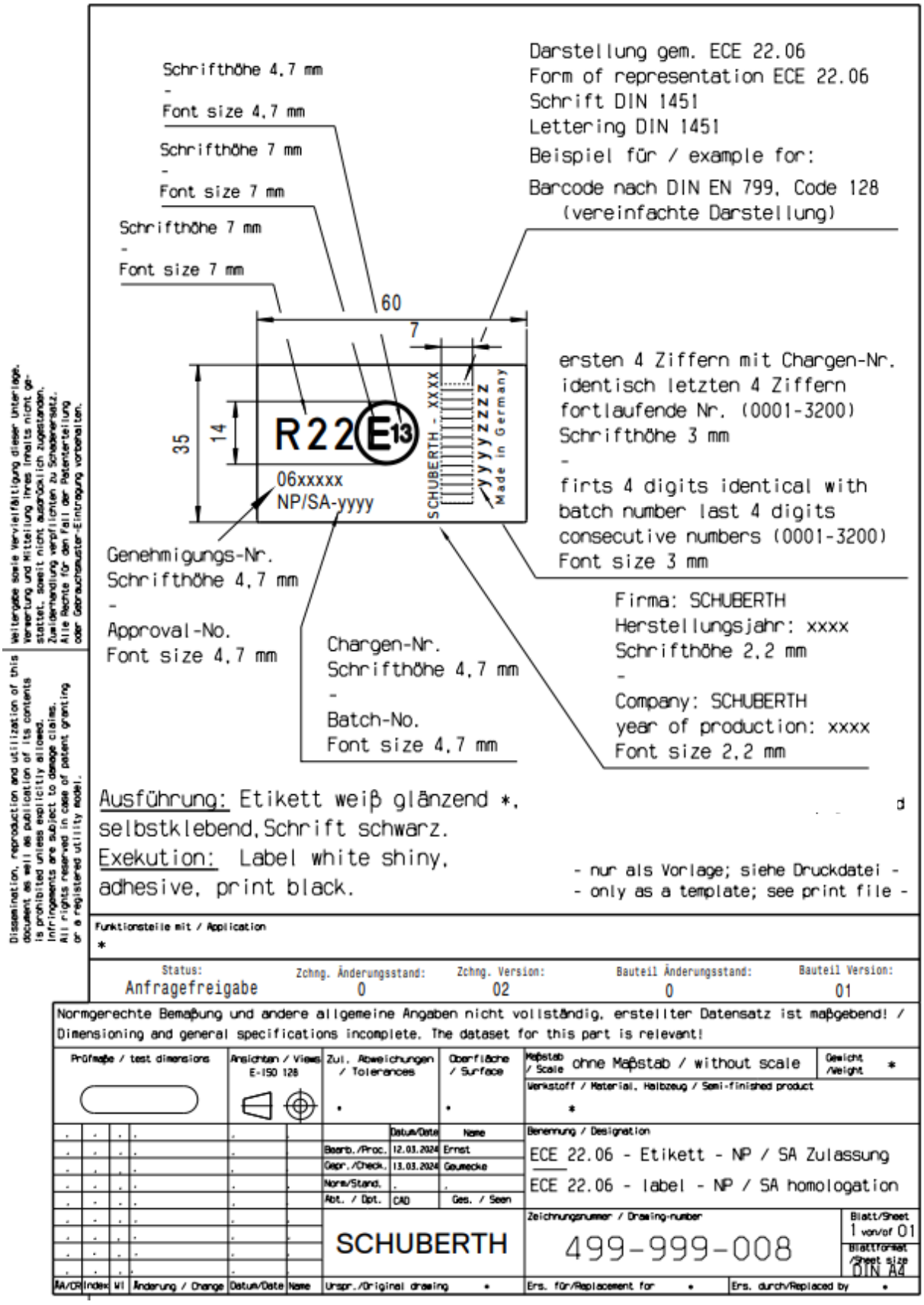
Annex 2.6
Anlage 2.6

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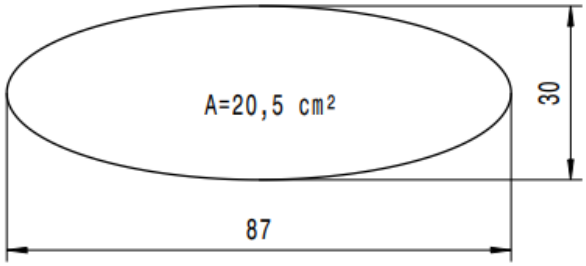
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Annex 2.7
Anlage 2.7



Annex 2.8a

Anlage 2.8a



E13*22R06/02*10632*00

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Funktionsteile mit / Application
*

Status:	Zchng. Änderungsstand:	Zchng. Version:	Bauteil Änderungsstand:	Bauteil Version:
Werkzeugfreigabe	0	01	0	01

Normgerechte Bemaßung und andere allgemeine Angaben nicht vollständig, erstellter Datensatz ist maßgebend! / Dimensioning and general specifications incomplete. The dataset for this part is relevant!

Prüfmaße / test dimensions	Ansichten / Views E-ISO 128	Zul. Abweichungen / Tolerances: DIN ISO 2768 - m	Oberfläche / Surface: *
Maßstab / Scale: 1:1	Gewicht / Weight: *		
Werkstoff / Material, Halbzeug / Semi-finished product: ORALITE® -Reflexfolien 5600E - 010 weiß reflektierend			

	Datum/Date	Name
Bearb./Proc.	06.02.2018	Hörnlein
Gepr./Check.	06.02.2018	Bartels
Norm/Stand.	.	.
Abt. / Dpt.	CAD	Ges. / Seen

Benennung / Designation:
Zulassungszeichnung
Reflex Frankreich-tape

SCHUBERTH

Zeichnungsnummer / Drawing-number: 499-099-005

Blatt/Sheet: 1 von/of 1

Blattformat /Sheet size: DIN A4

AA/CR	Index	VI	Änderung / Change	Datum/Date	Name

Ursprz./Original drawing: *
Ers. für/Replacement for: *
Ers. durch/Replaced by: *

Annex 2.8b
Anlage 2.8b

Reflecting Tapes (see Drawing No. 461-998-750 and 499-099-005)
Reflektierende Tapes (vgl. Zeichnung-Nr. 461-998-750 und 499-099-005)



Fig. 1 Position of reflecting tapes on the helmet front and rear view
Abb.1 Position der reflektierenden Tapes am Helm in Vorder- und Rückansicht



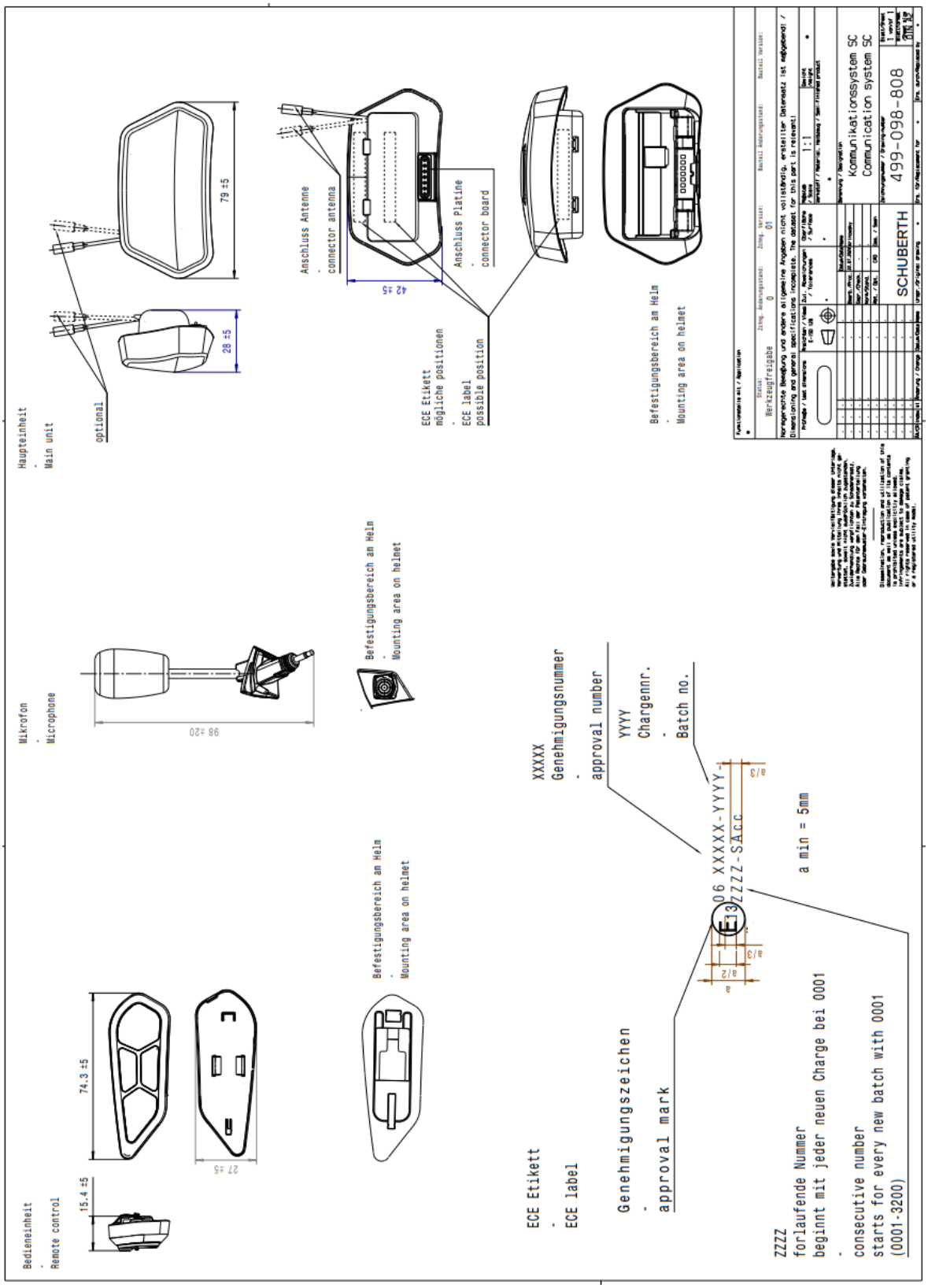
Fig. 2 Position of reflecting tapes on the helmet right and left side view
Abb.2 Position der reflektierenden Tapes am Helm in rechter und linker Seitenansicht

E13*22R06/02*10632*00
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Annex 2.9a
Anlage 2.9a

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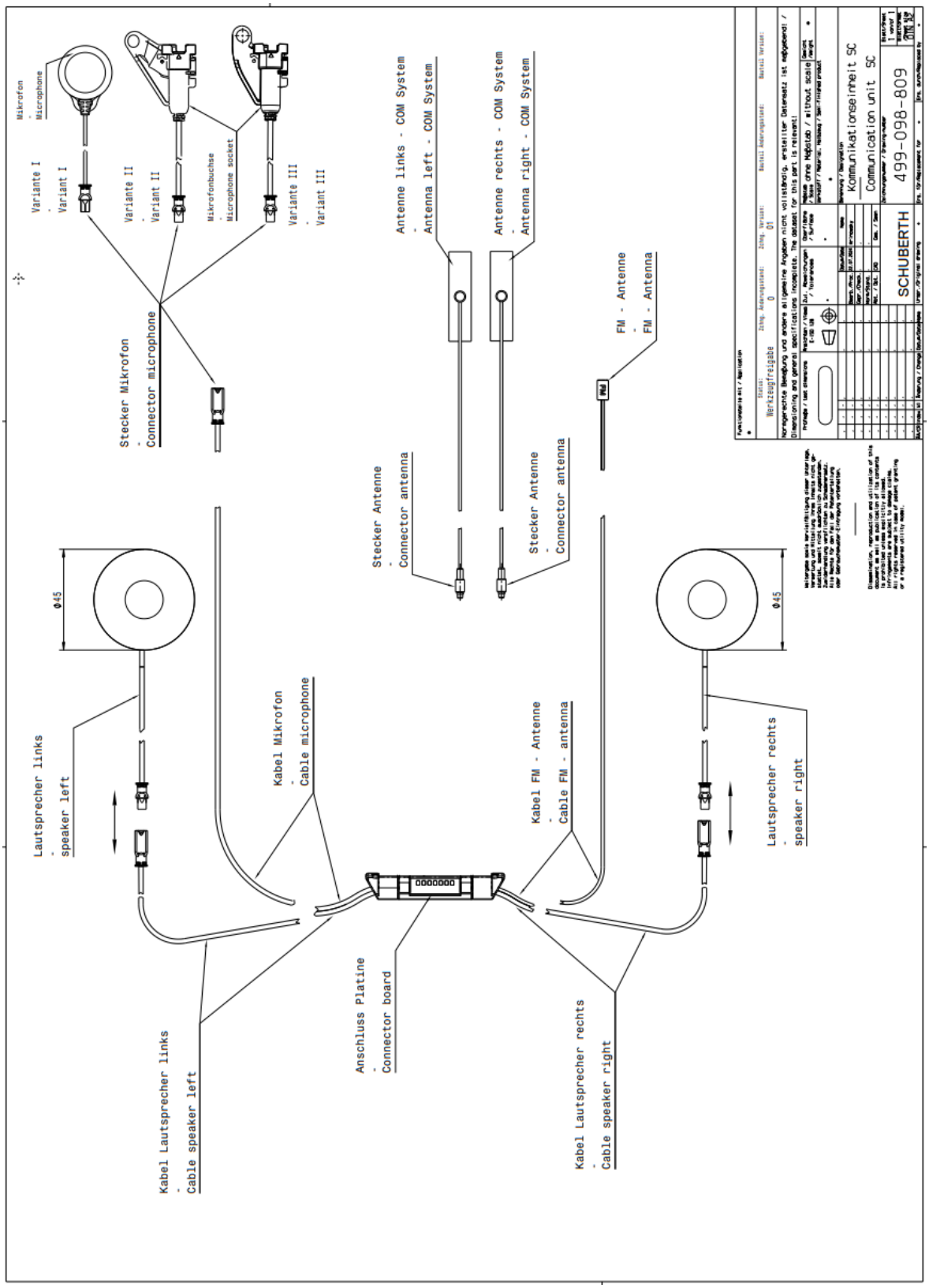
Specific accessory Part 1 – optional purchased and installed by the customer
Spezifisches Zubehör Teil 1 – optional durch den Kunden zu kaufen und zu installieren



E13*22R06/02*10632*00
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Annex 2.9b
Anlage 2.9b

Specific accessory Part 2 – pre-installed in the helmet by the manufacturer
Spezifisches Zubehör Teil 2 – vorinstalliert im Helm durch den Hersteller



Annex 2.9c
Anlage 2.9c

E13*22R06/02*10632*00
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Communication system (see Drawing No. 499-098-808 and 499-098-809)
Kommunikationssystem (vgl. Zeichnung-Nr. 499-098-808 und 499-098-809)



Fig. 3 Mounting Position of Communication System – Remote Control and main unit at the interface of the helmet
Abb.3 Einbauposition des Kommunikationssystems Bedien- und Haupteinheit an der Schnittstelle des Helmes



Fig. 4 Mounting Position of microphone with chin bar installed (left) and chin bar removed (right)
Abb.4 Einbauposition des Mikrofons mit montiertem Kinnteil (Links) und demontiertem Kinnteil (Rechts)



Fig. 5 Mounting position of left and right speaker - cheek padding (underneath the comfort padding)
Abb.5 Einbauposition des linken und rechten Lautsprechers - Seitenteil (unter der Komfortpolsterung)

Annex 3: Tables
Anlage 3: Tabellen

Annex 3.1: Specific weight of the protective padding, weight
Anlage 3.1: Raumgewicht der Schutzpolsterung, Gesamtgewicht

Densities: protective padding of expanded polystyrene (EPS) in gram/liter
Dichten: Schutzpolsterung aus Expandiertem Polystyrol (EPS) in Gramm/Liter

	Head sizes Kopfgrößen				
	53	**55**	**57 59**	**61 63**	**65**
Basic shell* Grundkörper*	25/20	25/20	35/20	35/20	35/20
Cheek padding left/right (upper/lower) Seitenteil links/rechts	30		45	50	55
* Basic shell foamed in two sectors of different density Grundkörper mit “Zwei-Zonen-Schäumung”					

Tolerance / Toleranz: +/- 10 g/l

E13*22R06/02*10632*00
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Total weight of the helmet according to configuration
Gesamtgewicht des Helmes in Abhängigkeit von der Ausstattungsvariante

	53	**55**	**57**	**59**	**61**	**63**	**65**
weight of helmet [g]: Gewicht des Helmes [g]:	1480-1680		1510-1710		1630-1830		

Total weight of Com-System [g]:
Gesamtgewicht des Kom-Systems [g]: one size: 80

Annex 3.2: comfort padding
Anlage 3.2: Komfortpolsterung

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Head size Kopf-größe	**part no. EPS cheek padding** Teile Nr. EPS Seitenteile	**part no. EPS main part** Teile Nr. EPS Grundkörper	**Cheek padding** Wangenpolster **Thickness** Dicke **[mm]**	**Head padding** / Kopfpolster Thickness / Dicke **[mm]**			
				front vorn	middle Mitte	side Seite	rear hinten
65	61.11 / 61.12	61.10	32 - 42	10	10	12	12
63	61.08 / 61.09	61.07	32 - 42	10	10	12	12
61			32 - 42	10 - 13	10	15 - 18	15 - 18
59	61.05 / 61.06	61.04	32 - 42	10	10	7 - 17	7 - 10
57			32 - 42	12	10	15 - 17	15 - 17
55	61.02 / 61.03	61.01	32 - 42	10	10 - 20	15	15
53		61.00	32 - 42	10	10	10	10