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*22R06/01*10510*02

**Annexes:** - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 08 décembre 2022

**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  ~~approval withdrawn~~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~~ / AVEC PLUSIEURS TYPE(S) D'ECRAN EN APPLICATION DU REGLEMENT N°22**
of a type of protective helmet ~~without~~ / ~~with one~~ / more visor type(s) pursuant to regulation N°22

**Homologation N°:**
Approval number: E13*22R06/01*10510*02

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

**2.** **Type:**
Type: C5

***Variant(s):***
*Variante(s):*
*C5*
*C5 Women*
*E2*

**3.** **Tailles:**
Sizes: 51, 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:**<br>Brief description of helmet: | Protective helmet with movable chin guard<br>(lower face cover) <u>in 3 variants.</u><br>Shell made of fiberglass reinforced vinyl ester (GPR)with layers made of carbon.<br>Protective padding made of expanded polystyrene in several parts. The adaptation to the different head sizes is done by different shells, protective padding and different thickness of the comfort padding.<br>The helmet is fitted with:<br>8 visor types with separate approvals,<br>2 sun shield types in 2 sizes, mark: IV/1/D or IV/2/D respective IV/1/S or IV/2/S<br><u>Variant E2: Peak</u><br>Optional:<br>Communication system SC2 with 3 different microphone variants |
| **9.** | **Casque**<br>**dépourvu de protection maxilaire (J)**<br>**muni d'une protection maxilaire intégrale (P)**<br>~~**d'une protection maxillaire non intégrale (NP)**~~<br>Helmet without lower face cover (J)<br>with protective lower face cover (P)<br>~~with non protective lower face cover (NP)~~ | With detachable or movable lower face cover (P/J) |
| **10.** | **Type de l'écran ou des écrans:**<br>Type of visor or visors: | SV6/1/C (E13*22R06/01*10511*00)<br>SV6/2/C (E13*22R06/01*10512*00)<br>SV6/1/D (E13*22R06/01*10513*00)<br>SV6/2/D (E13*22R06/01*10514*00)<br>SV6/1/Y (E13*22R06/01*10515*00)<br>SV6/2/Y (E13*22R06/01*10516*00)<br>SV6/1/S (E13*22R06/01*10526*00)<br>SV6/2/S (E13*22R06/01*10527*00) |
| **11.** | **Description sommaire de l'écran ou des écrans:**<br>Brief description of visor or visors: | clear or tinted visor, three dimensional injected |
| **12.** | **Présenté à l'homologation les:**<br>Submitted for approval: | 04.11.2022 |
| **13.** | **Service technique chargé des essais d'homologation:**<br>Technical service responsble for carrying out the tests: | TÜV Rheinland Luxemburg S.à r.l.<br>2-4, rue Edmond Reuter<br>L-5326 Contern |
| **14.** | **Date du procès-verbal délivré par ce service:**<br>Date of report issued by that service: | 04.11.2022 |
| **15.** | **Numéro du procès-verbal délivré par ce service:**<br>Number of test report issued by that service: | 214LP0006-02 |
| **16.** | **Remarques:**<br>Comments: | not applicable |

**17.** **Homologation:**
Approval: extended

**18.** **Lieu:**
Place: Bertrange

**19.** **Date:**
Date: 08 décembre 2022

**20.** **Signature:**
Signature:

**Pour le Ministre de la Mobilité et des Travaux publics**

**Alain DISIVISCOUR**
**Conseiller**

**Pour la SNCH**

**Laurent LINDEN**
**Directeur opérationnel**

**21.** **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:*

*refer to Appendix 0 of test report*

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*22R06/01*10510*02

**Annexes:** - Rapport Technique
- Fiche de Renseignements du constructeur

Bertrange, le 08 décembre 2022

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

| | | |
|---|---|---|
| | **Numéro d'homologation:**<br>Approval number: | E13*22R06/01*10510*02 |
| | **Révision:**<br>Revision: | 00 |
| | ***Marque de fabrique ou de commerce:***<br>*Trade name or mark:* | *SCHUBERTH* |
| | ***Type:***<br>*Type:* | *C5* |
| **1.** | **Procès-verbal d'essai:**<br>Test report: | N° 214LP0006-02 |
| | - Technical report:<br>- List of modification:<br>- Test minutes:<br>- Technical information: | Page(s) 1 to 4;<br>Appendix 0 - Page(s) 5;<br>Appendix 1 - Page(s) 6 to 11;<br>Appendix L - Page(s) 1 & 2. |
| **2.** | **Dossier du constructeur:**<br>Report of the manufacturer: | N° Description Helmet C5_NT02 |
| | - Manufacturer's information document: | Page(s) 1 to 13. |
| **3.** | **Autres documents annexés:**<br>Other documents annexed: | not applicable |
| **4.** | **Date de délivrance de l'homologation initiale:**<br>Date of issue of initial type approval: | 27.09.2021 |
| **5.** | **Date de la dernière délivrance de pages révisées:**<br>Date of last issue of revised pages: | not applicable |
| **6.** | **Date de la dernière délivrance d'une homologation révisée**<br>Date of last extension: | 08.12.2022 |

**TÜV Rheinland Group**

TÜVRheinland®
Precisely Right.

**Test Report No. 214LP0006-02**

**Type : C5**

**Manufacturer : SCHUBERTH GmbH**

# T E S T  R E P O R T

according to

**UN-R 22**

Uniform provisions concerning the approval of protective helmets and their visors for drivers and passengers of motor cycles and mopeds

as last amended by

**Amendment 06, Supplement 1**

**For the Type Approval of:**

☐ Helmet + Visor
☒ Helmet
☐ Visor

Approval Status

UN-approval : E13*22R06/00*10510*01

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

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.

**Test Report No. 214LP0006-02**

**Type : C5**

**Manufacturer : SCHUBERTH GmbH**

## 0. General information

| | | | |
|---|---|---|---|
| 0.1. | Trade mark | : | SCHUBERTH |
| 0.2. | Type | : | C5 |
| 0.3. | Helmet Category | : | see Attachment L, item 9 |
| 0.4. | Name and address of the manufacturer | : | SCHUBERTH GmbH<br>Stegelitzer Str. 12<br>39126 Magdeburg |
| 0.5. | Information Document | : | Description Helmet C5_NT02 |
| | Date of issue | : | 2021-09-09 |
| | Date of last change | : | 2022-10-07 |

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

| | | | |
|---|---|---|---|
| 1.1. | Description | | |
| 1.1.1. | Object | : | see Attachment L, item 8 |
| | Trade name | : | see Attachment L, item 1 |
| | Type(s) /variant(s) / version(s) | : | see Attachment L, item 2 |
| | 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. |
| 1.3. | Remarks | : | without |

## 2. Test record

| | | | |
|---|---|---|---|
| 2.1. | Test and measuring equipment | : | 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 | : | The helmet type has been tested according to the modification(s) mentioned in appendix 0. |

| | | | |
|---|---|---|---|
| 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<br>Technology Center Traffic Safety<br>Department Motorcycles & Agricultural<br>Laboratory for Head Protection<br>Am Grauen Stein<br>51105 Cologne / Germany |
| | Test date | : | 2022-11-04 |
| 2.4. | Remarks | : | without |

3. **Appendices**

| | | |
|---|---|---|
| Appendix 0 | : | List of modifications |
| Appendix 1 | : | Test minutes |
| Attachment L | : | Communication |

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).

The tests were carried out in accordance with the relevant requirements of EN ISO/IEC 17025:2017

Cologne, 2022-11-04

Schaudt

Peter Schaudt
Technical Expert Technical Service

**Type** : **C5**

**Manufacturer** : **SCHUBERTH GmbH**

**Appendix 0**

**List of modifications**

E13*22R06/01*10510*02
Société Nationale de Certification et d'Homologation

| | | |
|---|---|---|
| Correction of | : | -- |
| Modification of | : | editorial modification<br>amendment of the regulation |
| Addition of | : | variant E2 |
| Deletion of | : | -- |

**Type** : **C5**

**Manufacturer** : **SCHUBERTH GmbH**

**Test minutes** **Appendix 1**

**General Requirements for Helmets**

E13*22R06/01*10510*02
Société Nationale de Certification et d'Homologation

| | | | |
|---|---|---|---|
| 4 | Protection areas<br>*(6.4)* | : | The shell and padding of the helmets of each size cover the required areas. |
| 6 | Outer Projections<br>*(6.6 / 6.7)* | : | All external projections are rounded and smooth.<br>All external projections ≤ 2 mm have a radius ≥ 1 mm<br><br>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<br>*(6.8)* | : | No inward facing sharp edges. All internal parts are covered with padding. |
| 8 | Helmet components<br>*(6.9)* | : | The components of the helmet are assembled in a way that they do not become easily detached as a result of impact. |
| 10 | Detachable/movable Face cover<br>*(6.12)* | : | The lower face cover complies with the requirements of the regulation:<br>- Device maintains intended position during tests<br>- Incorrect handling is impossible<br>- Control / actuating device is red<br>- Helmet complies with requirements of category “J” and “P” |
| 11 | Materials<br>*(6.13)* | : | The materials used for the helmet comply with the regulation. |
| 12 | Breakage and Deformation<br>*(6.14)* | : | The helmet does not show breakage or deformation dangerous to the wearer after testing. |
| 13 | Peripheral Vision<br>*(6.15)* | : | Complies with the requirements of the regulation, refer test results. |

6.15. Peripheral vision

| Helmet Size | Testhead | horizontal angle min. 210° | upwards angle min. 7° | downwards angle min. 45° |
|---|---|---|---|---|
| 51 | 495 | Pass | Pass | Pass |
| 61 | 605 | Pass | Pass | Pass |

7.3. Impact-absorption-tests

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

**Chin guard in closed position (P)**

| Headsize | Cond. | Anvil Shape | Point | Helmet Size | Max Peak [g] | HIC | Speed [m/s] |
|---|---|---|---|---|---|---|---|
| 625 | +50°C | Kerb | B | 65 | 110 | 694 | 7,55 |
| 625 | +50°C | Kerb | X left | 65 | 186 | 1177 | 7,62 |
| 625 | +50°C | Kerb | P | 65 | 146 | 988 | 7,62 |
| 625 | +50°C | Kerb | R | 65 | 136 | 949 | 7,62 |
| 625 | -10°C | Flat | B | 65 | 128 | 813 | 7,59 |
| 625 | -10°C | Flat | X right | 65 | 205 | 1593 | 7,55 |
| 625 | -10°C | Flat | P | 65 | 193 | 1850 | 7,62 |
| 625 | -10°C | Flat | R | 65 | 171 | 1274 | 7,62 |
| 625 | -10°C | Flat | S | 65 | 111 | 408 | 6,10 |
| 575 | +50°C | Kerb | B | 59 | 109 | 692 | 7,62 |
| 575 | +50°C | Kerb | X right | 59 | 167 | 1271 | 7,62 |
| 575 | +50°C | Kerb | P | 59 | 144 | 973 | 7,62 |
| 575 | +50°C | Kerb | R | 59 | 156 | 1145 | 7,62 |
| 575 | AMB | Kerb | B | 59 | 122 | 752 | 7,62 |
| 575 | AMB | Kerb | X right | 59 | 165 | 1253 | 7,62 |
| 575 | AMB | Kerb | P | 59 | 159 | 1144 | 7,62 |
| 575 | AMB | Kerb | R | 59 | 155 | 1196 | 7,59 |
| 575 | -10°C | Flat | B | 59 | 156 | 1040 | 7,62 |
| 575 | -10°C | Flat | X right | 59 | 217 | 1884 | 7,62 |
| 575 | -10°C | Flat | P | 59 | 189 | 1963 | 7,59 |
| 575 | -10°C | Flat | R | 59 | 193 | 1561 | 7,59 |
| 575 | -10°C | Flat | S | 59 | 113 | 478 | 6,10 |

**Test Report No. 214LP0006-02**

**Type : C5**

**Manufacturer : SCHUBERTH GmbH**

**Chin guard in closed position (P)**

| Headsize | Cond. | Anvil Shape | Point | Helmet Size | Max Peak [g] | HIC | Speed [m/s] |
|---|---|---|---|---|---|---|---|
| 575 | AMB | Flat | B | 59 | 155 | 964 | 7,62 |
| 575 | AMB | Flat | X right | 59 | 214 | 1787 | 7,62 |
| 575 | AMB | Flat | P | 59 | 189 | 1878 | 7,62 |
| 575 | AMB | Flat | R | 59 | 185 | 1539 | 7,59 |
| 575 | MOIST. | Flat | B | 59 | 151 | 950 | 7,62 |
| 575 | MOIST. | Flat | X right | 59 | 208 | 1719 | 7,59 |
| 575 | MOIST. | Flat | P | 59 | 188 | 1850 | 7,62 |
| 575 | MOIST. | Flat | R | 59 | 172 | 1470 | 7,59 |

**Chin guard in open position (J)**

| Headsize | Cond. | Anvil Shape | Point | Helmet Size | Max Peak [g] | HIC | Speed [m/s] |
|---|---|---|---|---|---|---|---|
| 575 | +50°C | Kerb | B | 59 | 78 | 307 | 7,55 |
| 575 | +50°C | Kerb | X right | 59 | 156 | 1097 | 7,62 |
| 575 | +50°C | Kerb | P | 59 | 158 | 981 | 7,62 |
| 575 | +50°C | Kerb | R | 59 | 163 | 1250 | 7,59 |
| 575 | AMB | Kerb | B | 59 | 68 | 294 | 7,59 |
| 575 | AMB | Kerb | X right | 59 | 150 | 1112 | 7,62 |
| 575 | AMB | Kerb | P | 59 | 164 | 1079 | 7,62 |
| 575 | AMB | Kerb | R | 59 | 157 | 1238 | 7,62 |
| 575 | -10°C | Flat | B | 59 | 93 | 424 | 7,62 |
| 575 | -10°C | Flat | X right | 59 | 223 | 1931 | 7,59 |
| 575 | -10°C | Flat | P | 59 | 191 | 1893 | 7,62 |
| 575 | -10°C | Flat | R | 59 | 189 | 1616 | 7,59 |
| 575 | AMB | Flat | B | 59 | 94 | 431 | 7,59 |
| 575 | AMB | Flat | X left | 59 | 208 | 1674 | 7,59 |
| 575 | AMB | Flat | P | 59 | 184 | 1795 | 7,62 |
| 575 | AMB | Flat | R | 59 | 181 | 1542 | 7,62 |
| 575 | MOIST. | Flat | B | 59 | 96 | 472 | 7,62 |
| 575 | MOIST. | Flat | X right | 59 | 215 | 1797 | 7,62 |
| 575 | MOIST. | Flat | P | 59 | 187 | 1843 | 7,59 |
| 575 | MOIST. | Flat | R | 59 | 178 | 1508 | 7,55 |

**Test Report No. 214LP0006-02**

**Type : C5**

**Manufacturer : SCHUBERTH GmbH**

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] |
|---|---|---|---|---|---|---|---|
| **Chin guard in closed position (P)** | | | | | | | |
| 575 | AMB | Flat | B | 59 | 120 | 536 | 6,12 |
| 575 | AMB | Flat | X left | 59 | 176 | 1150 | 6,08 |
| 575 | AMB | Flat | P | 59 | 164 | 1259 | 6,10 |
| 575 | AMB | Flat | R | 59 | 157 | 998 | 6,08 |
| **Chin guard in open position (J)** | | | | | | | |
| 575 | AMB | Flat | B | 59 | 59 | 190 | 6,10 |
| 575 | AMB | Flat | X left | 59 | 174 | 1131 | 6,10 |
| 575 | AMB | Flat | P | 59 | 166 | 1190 | 6,08 |
| 575 | AMB | Flat | R | 59 | 152 | 919 | 6,06 |

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] |
|---|---|---|---|---|---|---|---|
| **Chin guard in closed position (P)** | | | | | | | |
| 575 | AMB | Flat | B | 59 | 166 | 1281 | 8,29 |
| 575 | AMB | Flat | X right | 59 | 255 | 2266 | 8,26 |
| 575 | AMB | Flat | P | 59 | 201 | 2205 | 8,26 |
| 575 | AMB | Flat | R | 59 | 211 | 2003 | 8,29 |
| **Chin guard in open position (J)** | | | | | | | |
| 575 | AMB | Flat | B | 59 | 115 | 677 | 8,29 |
| 575 | AMB | Flat | X right | 59 | 258 | 2426 | 8,29 |
| 575 | AMB | Flat | P | 59 | 209 | 2300 | 8,29 |
| 575 | AMB | Flat | R | 59 | 200 | 2004 | 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] |
|---|---|---|---|---|---|---|---|
| **Chin guard in closed position (P)** | | | | | | | |
| 575 | AMB | Flat | BXL | 59 | 153 | 1172 | 7,59 |
| 575 | AMB | Flat | BXPR | 59 | 198 | 1793 | 7,55 |
| 575 | AMB | Flat | RXPR | 59 | 189 | 1722 | 7,62 |
| 575 | AMB | Flat | RXL | 59 | 189 | 1679 | 7,62 |
| 575 | AMB | 45°L | BXR | 59 | 118 | 579 | 7,59 |
| 575 | AMB | 45°L | BXPL | 59 | 138 | 944 | 7,62 |
| 575 | AMB | 45°L | RXPL | 59 | 147 | 1093 | 7,62 |
| 575 | AMB | 45°L | RXR | 59 | 146 | 1084 | 7,62 |

| Headsize | Cond. | Anvil Shape | Point | Helmet Size | Max Peak [g] | HIC | Speed [m/s] |
|---|---|---|---|---|---|---|---|
| **Chin guard in open position (J)** | | | | | | | |
| 575 | AMB | Flat | BXL | 59 | 135 | 867 | 7,59 |
| 575 | AMB | Flat | BXPR | 59 | 145 | 903 | 7,59 |
| 575 | AMB | Flat | RXPR | 59 | 190 | 1744 | 7,59 |
| 575 | AMB | Flat | RXL | 59 | 188 | 1574 | 7,55 |
| 575 | AMB | 45°L | BXR | 59 | 109 | 571 | 7,59 |
| 575 | AMB | 45°L | BXPL | 59 | 99 | 677 | 7,59 |
| 575 | AMB | 45°L | RXPL | 59 | 160 | 1289 | 7,55 |
| 575 | AMB | 45°L | RXR | 59 | 139 | 1102 | 7,62 |

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

All values are within the limits of the regulation.

Test at the following points of the outer shell:

| Helmet size | Test head | Place of test | Result |
|---|---|---|---|
| 58 | 575 | rear wind tearing edge | sheared off |
| 58 | 575 | fixing of the peak | sheared off |

7.4.3 Test for projections of the category P/J with movable lower face cover.
(strength assessment of the movable face cover in the position "J")

All values are within the limits of the regulation.

**TÜV Rheinland Group**

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**Communication concerning the type-approval of a type of vehicle**

| | |
|---|---|
| **corresponding Test Report** | **: 214LP0006-02** |
| **Type** | **: C5** |
| **Manufacturer** | **: SCHUBERTH GmbH** |

**Attachment L**

data referring to UN Regulation No. 22,
Amendment 06, Supplement 1

# Communication pursuant to Regulation No. 22

| | | | |
|---|---|---|---|
| 1 | Trade mark | : | SCHUBERTH |
| 2 | Type | : | C5 |
| | Variant | : | C5<br>C5 Women<br>E2 |
| 3 | Sizes | : | 51, 53, 55, 57, 59, 61, 63, 65 |
| 4 | Manufacturer's name | : | SCHUBERTH GmbH |
| 5 | Address | | Stegelitzer Str. 12<br>39126 Magdeburg |
| 6 | If applicable, name of manufacturer's representative | : | see following item 7 |
| 7 | Address | : | not applicable |
| 8 | Brief description of helmet | : | Protective helmet with movable chin guard (lower face cover) in 3 variants.<br>Shell made of fiberglass reinforced vinyl ester (GPR) with layers made of carbon.<br>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.<br>The helmet is fitted with:<br>8 visor types with separate approvals,<br>2 sun shield types in 2 sizes, mark: IV/1/D or IV/2/D respective IV/1/S or IV/2/S<br>Variant E2: Peak<br>Optional (all variants):<br>Communication system SC2 with 3 different microphone variants |

**TÜV Rheinland Group**

TÜVRheinland®
Precisely Right.

**Communication concerning the type-approval of a type of vehicle**

**corresponding Test Report : 214LP0006-02**
**Type : C5**
**Manufacturer : SCHUBERTH GmbH**

| | | | |
|---|---|---|---|
| 9 | Helmet category | : | with detachable or movable lower face cover (P/J) |
| 10 | Type of visor | : | SV6/1/C (E13*22R06/00*10511*00)<br>SV6/2/C (E13*22R06/00*10512*00)<br>SV6/1/D (E13*22R06/00*10513*00)<br>SV6/2/D (E13*22R06/00*10514*00)<br>SV6/1/Y (E13*22R06/00*10515*00)<br>SV6/2/Y (E13*22R06/00*10516*00)<br>SV6/1/S (E13*22R06/00*10526*00)<br>SV6/2/S (E13*22R06/00*10527*00) |
| 11 | Brief description of the visor | : | clear or tinted visor, three dimensional injected |
| 12 | Submitted for approval on | : | 2022-11-04 |

# Manufacturer information document

Hersteller Informationsdokumentation

E13*22R06/01*10510*02

Société Nationale de Certification et d'Homologation

**Name and Address of manufacturer:**

**SCHUBERTH GmbH**

**Stegelitzer Straße 12**

**39126 Magdeburg**

**Germany**

| | | |
|---|---|---|
| **0.** | **General**<br>allgemein | |
| **0.1** | **Trade Mark:**<br>Markenname: | SCHUBERTH |
| **0.2** | **Type of the helmet**<br>Helmtyp | C5 |
| | **Variant(s):**<br>Variante(n): | C5; C5 Women, E2 |
| **0.3** | **Type of sun shields**<br>Sonnenblendentypen | SCHUBERTH IV/1/D<br>SCHUBERTH IV/2/D<br>SCHUBERTH IV/1/S<br>SCHUBERTH IV/2/S |
| **0.4** | **Type of Visors**<br>Visiertypen | SCHUBERTH SV6/1/C<br>SCHUBERTH SV6/1/D<br>SCHUBERTH SV6/1/Y<br>SCHUBERTH SV6/2/C<br>SCHUBERTH SV6/2/D<br>SCHUBERTH SV6/2/Y<br>SCHUBERTH SV6/1/S<br>SCHUBERTH SV6/2/S |

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# Annex 1 TECHNICAL DESCRIPTION after general view 459-998-750

**Anlage 1 TECHNISCHE BESCHREIBUNG gemäß Gesamtansicht Zeichnung-Nr. 459-998-750**

**Helmet Type:** **C5**
Helmtyp: C5

**Variant:** **E2**
Variante: E2

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1. Outer Shell size 1 (for head-sizes 51, 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. 51, 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. movable protective lower face cover
   Bewegliches, schützendes Kinnteil

5. chin guard and visor ventilation switch
   Kinn- und Visierbelüftungsschalter

6. chin protective padding
   Kinnschutz

7. sun shield
   Sonnenblende

8. slider for sun shield
   Schieber für Sonnenblende

9. pivot point for lower face cover, enables lower face cover to be swivelled upwards, with visor mechanism
   Drehpunkt für Kinnteil, ermöglicht das Schwenken des Kinnteils nach oben, mit Visiermechanik.

10. visor
    Visier

11. 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

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12. Cheek padding left and right
Seitenteil links und rechts

13. neck padding
Nackenpolster

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

15. Neckband
Nackenband

16. exchangeable comfort-padding
auswechselbare Komfortpolsterung

17. position ECE-label
Position ECE - Label

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

19. anti-fog lens (optional)
Antibeschlagscheibe (optional)

20. interface for communication system
Schnittstelle für Kommunikationssystem

21. slider for movable lower face cover opening in protective position (helmet categorie P)
Betätigungsschieber Kinnteilöffnung in schützender Stellung (Helm Kategorie P)

22. rear spoiler
Spoiler hinten

23. slider for movable lower face cover fixation in not protective position (helmet categorie J)
Betätigungsschieber Kinnteilverriegelung in nicht schützender Stellung (Helm Kategorie J)

24. peak (optional removable)
Schirm (optional abnehmbar)

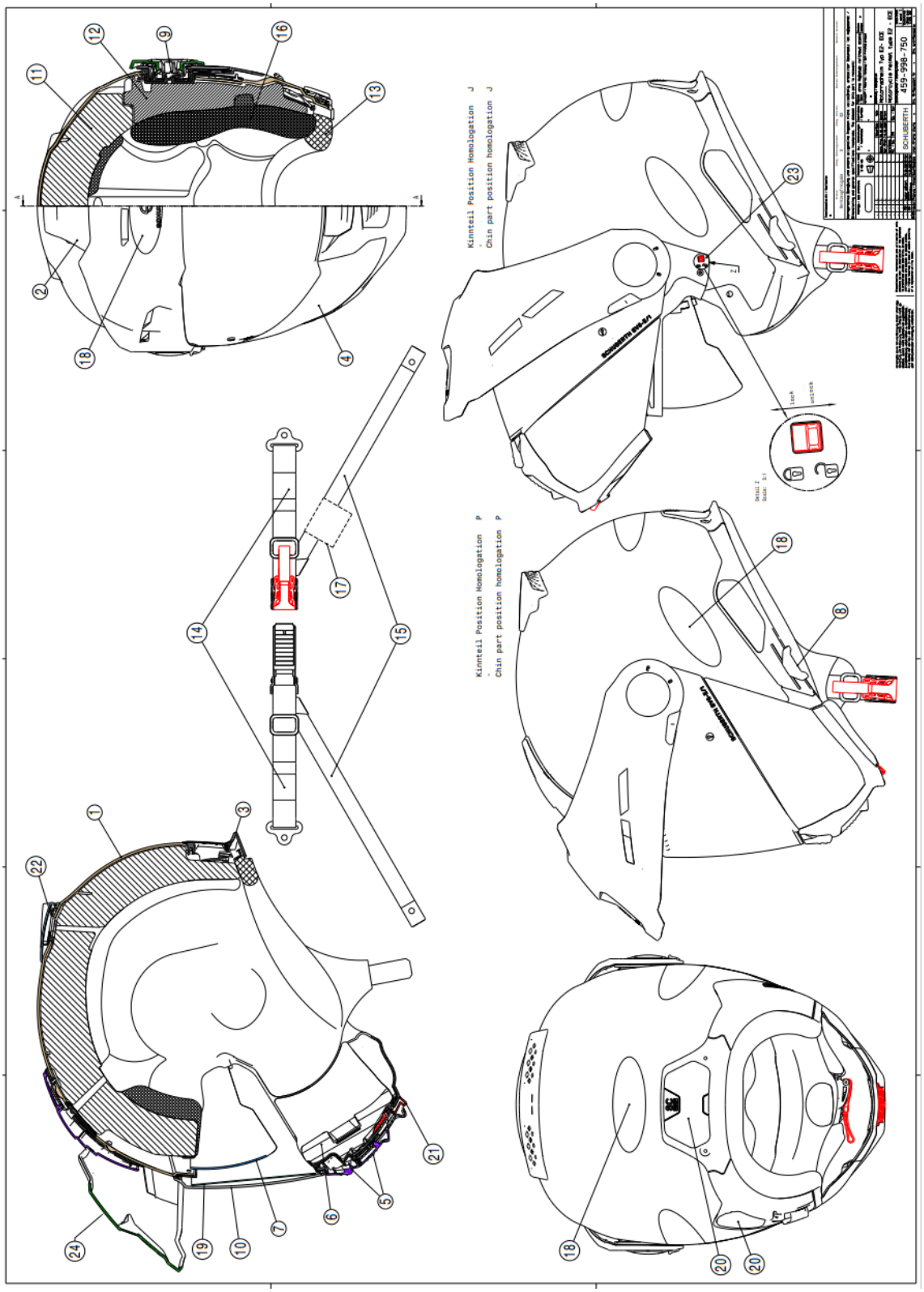
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# Annex 2: Drawings / Details

Anlage 2: Zeichnungen / Details

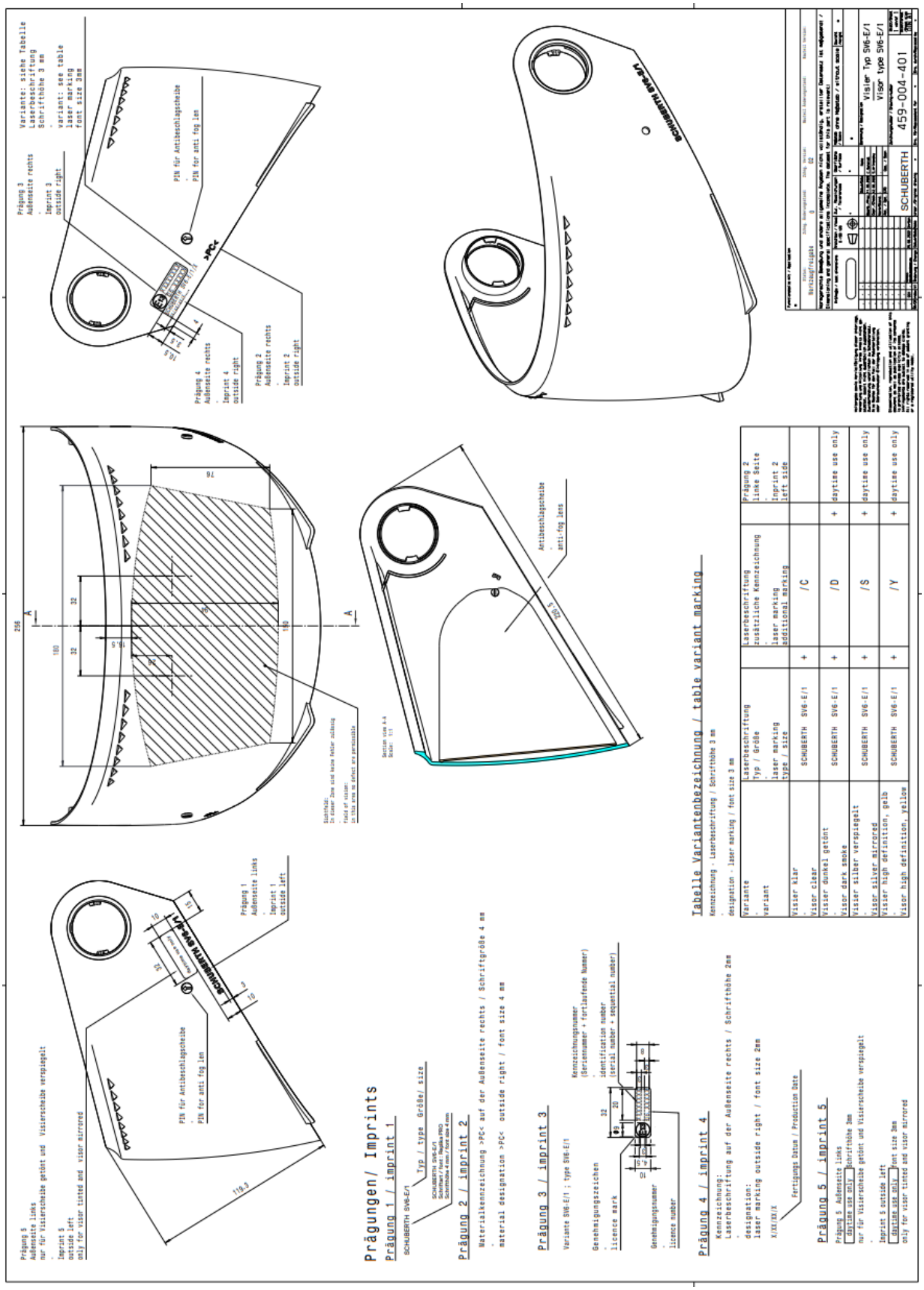
## Annex 2.1

Anlage 2.1



**Annex 2.2a**
Anlage 2.2a

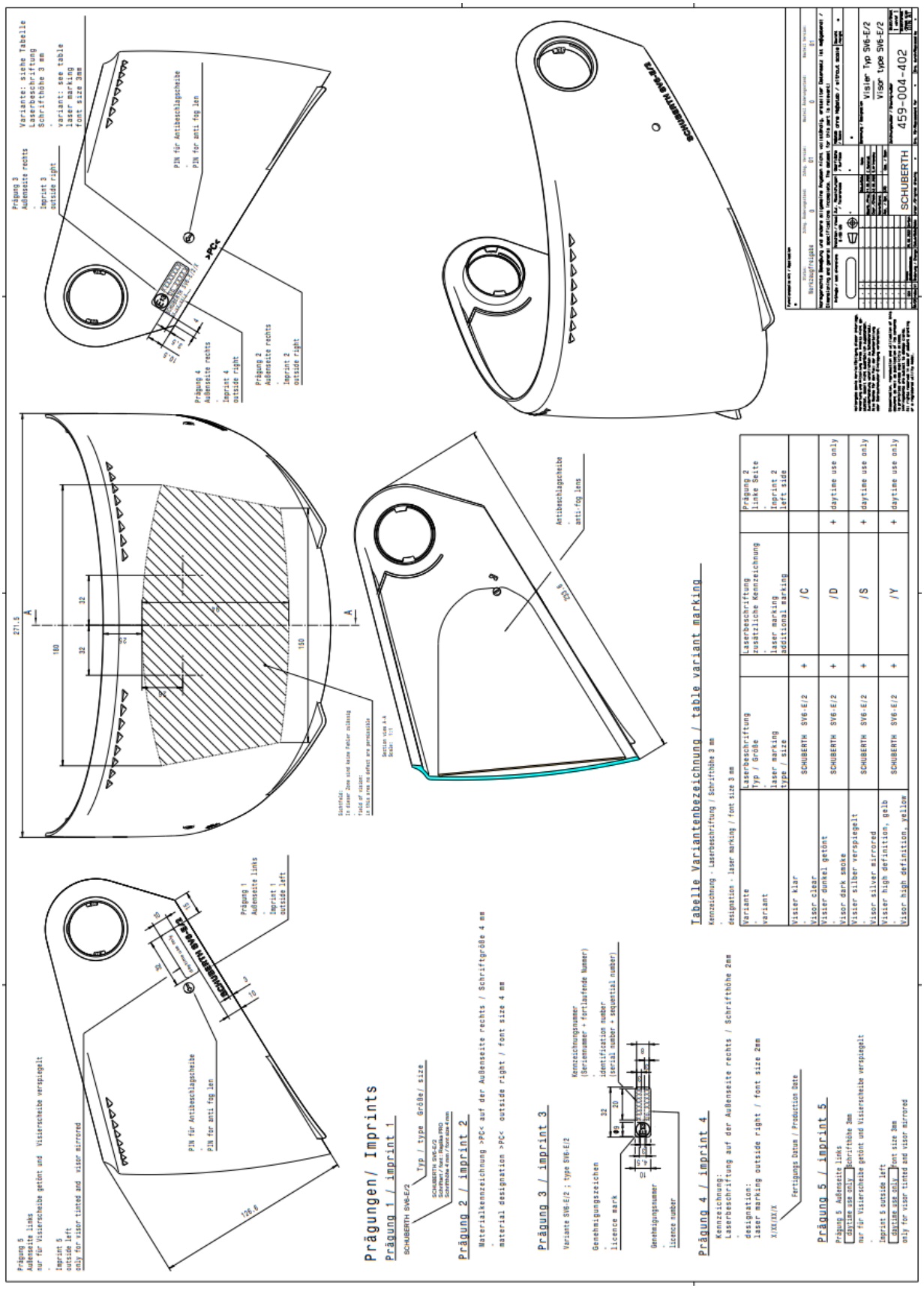
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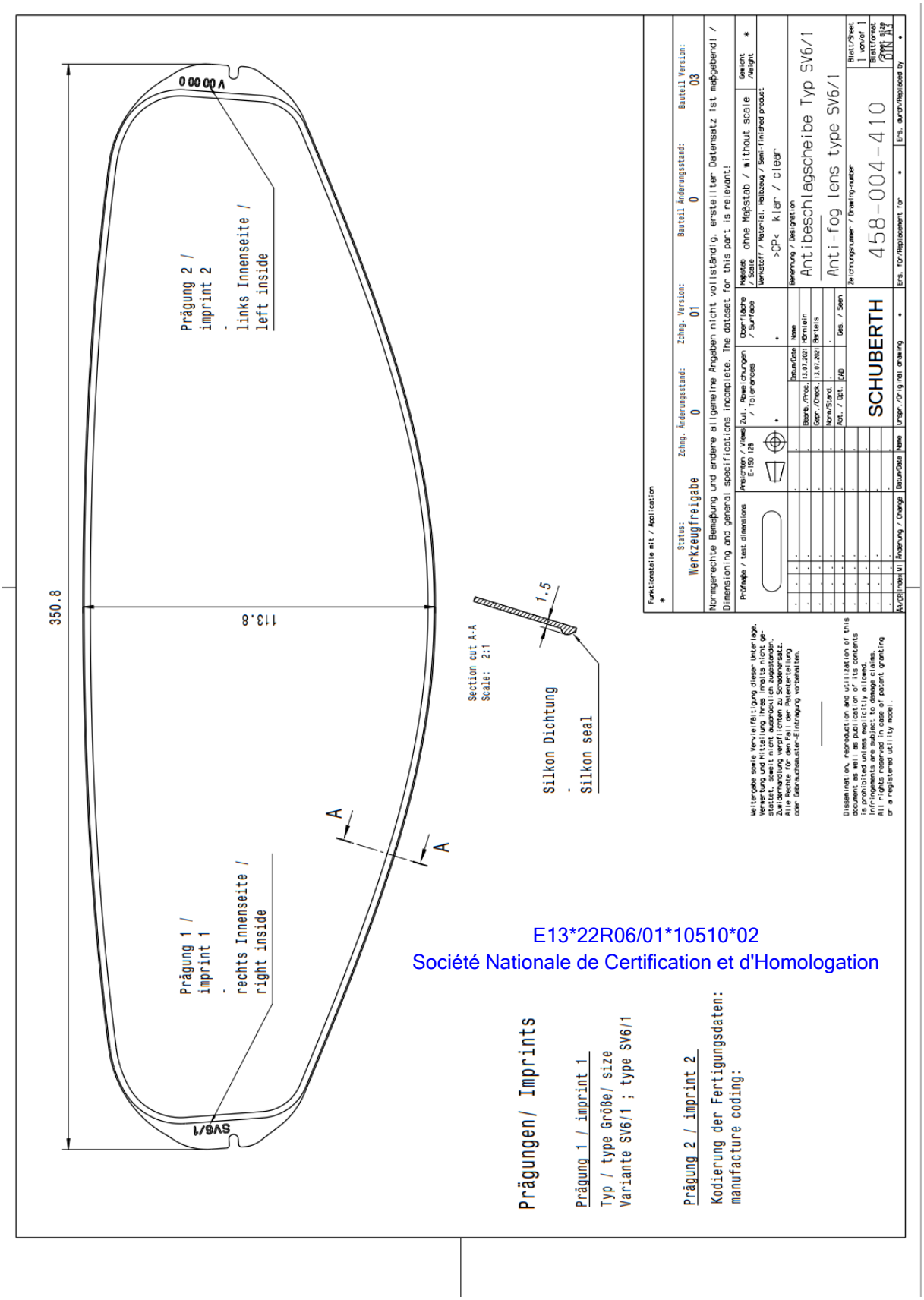
**Annex 2.2b**
Anlage 2.2b

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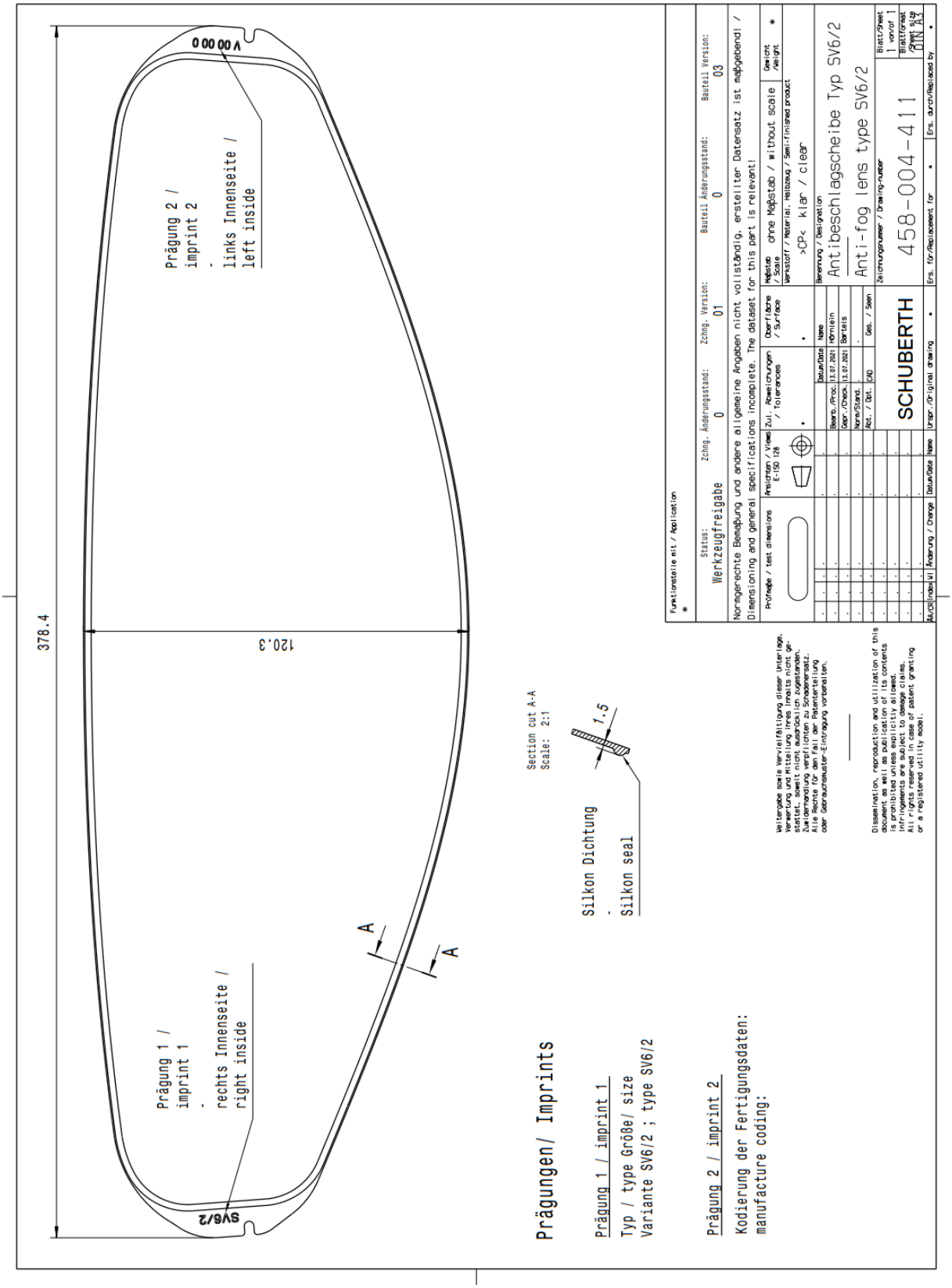
## Annex 2.3a

Anlage 2.3a



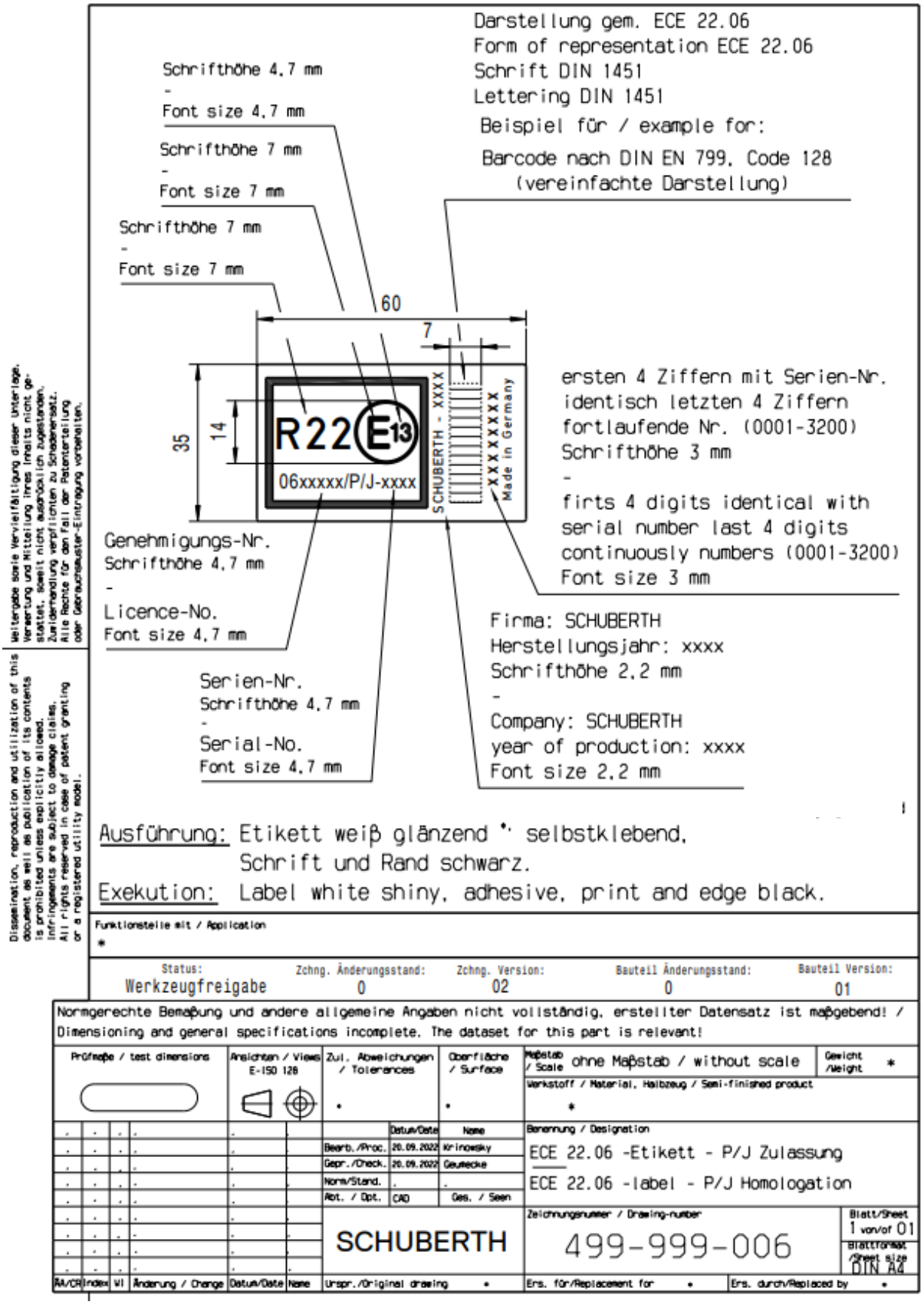
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**Annex 2.3b**
Anlage 2.3b



**Annex 2.6**
Anlage 2.6

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## Annex 2.10
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**Variant E2 (peak optional removable)**
Variante E2 (Schirm optional abnehmbar)




Fig. 6 Construction details of the helmet with peak - front and rear view
Abb.6 Aufbau Details des Helmes mit Schirm - Vorder- und Rückansicht



Fig. 7 Construction details of the helmet with peak - right and left side view
Abb.7 Aufbau Details des Helmes mit Schirm - rechte und linke Seitenansicht



Fig. 8 Construction details of the peak/visor mechanism – peak mounted, peak removed, blind cap installed
Abb.8 Aufbau Details der Schirm/Visier Mechanik – Schirm montiert, Schirm entfernt, Blindkappen installiert




Fig. 9 Construction details of the helmet without peak - front and rear view
Abb.9 Aufbau Details des Helmes ohne Schirm - Vorder- und Rückansicht



Fig. 10 Construction details of the helmet without peak - right and left side view
Abb.10 Aufbau Details des Helmes ohne Schirm - rechte und linke Seitenansicht

# Annex 3: Tables
Anlage 3: Tabellen

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## 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<br>Kopfgrößen | | | | |
|---|---|---|---|---|---|
| | **51<br>53** | **55** | **57<br>59** | **61<br>63** | **65** |
| **Basic shell***<br>Grundkörper* | 25/20 | 25/20 | 35/20 | 35/20 | 35/20 |
| **Cheek padding left/right**<br>Seitenteil links/rechts | 35 | | 45 | 50 | 55*** |
| **Chin padding******<br>Kinnschutz | 78 | | | 78 | |

* Basic shell foamed in two sectors of different density
Grundkörper mit “Zwei-Zonen-Schäumung”

** Density for Variant E2
Dichte für die Variante E2

*** Optional with cheek padding size 61/63
Optional mit Seitenteil Größe 61/63

**** Made of expanded polypropylen (EPP)
Aus expandiertem Polypropylen (EPP)

Tolerance / Toleranz: +/- 10 g/l

## Total weight of the helmet according to configuration
Gesamtgewicht des Helmes in Abhängigkeit von der Ausstattungsvariante

size 51, 53; 55; 57; 59: 1600 g – 2030g
size 61; 63, 65: 1700 g – 2180g