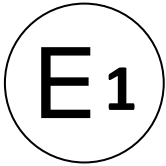




# Kraftfahrt-Bundesamt

DE-24932 Flensburg



## MITTEILUNG

ausgestellt von:

**Kraftfahrt-Bundesamt**

über die Erweiterung einer Genehmigung für einen Schutzhelmtyp mit einem Visiertyp(en) nach der Regelung Nr. 22 einschließlich Änderung Nr. 06 Ergänzung 02

## COMMUNICATION

issued by:

**Kraftfahrt-Bundesamt**

concerning the extension of an approval of a type of protective helmet with one visor type(s) pursuant to Regulation No. 22 including amendment No. 06 supplement 02

Genehmigungsnummer: **E1\*22R06/02\*300989\*02**

Approval number:

1. Fabrik- oder Handelsmarke:  
Trade name or mark:  
**Y, YH, YOHE, RYMIC, SPYDER, SPY,  
Nomad, BiLT, SEDICI, iXS, Maxx, Novic, MT,  
PREMIER, CASTLE, AXXIS, BMW, DESERT  
FOX, CASTLEX, TIMELESS,  
LINDSTRANDS, LOUIS, ACERBIS,  
BILMOLA, LAZER, RAPIDO, Bogotto, moTo  
ELEVEN, STREET RACER, NOVIC, CNELL,  
BIEFFE, PRO MAX, GTX, CASTLE, SGI,  
NEO, SPEEDS, ONEAL, RAPIDO,  
DAYTONA, DH, NOX, KOKPIT, ZORAX,  
130R, CURVE, SHAFT, SHAFTPRO, D,  
SPIRIT, UMOVE, ROXAR**
2. Typ:  
Type:  
**FG-102SV**
3. Größen:  
Sizes:  
**XS 53-54, S 55-56, M 57-58, L 59-60, XL 61-62, XXL 63-64**



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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2

Genehmigungsnummer: **E1\*22R06/02\*300989\*02**

Approval Number:

4. Name des Herstellers:  
Manufacturer's name:  
**Foshan City Nanhai Yongheng Helmet Manufacturing Co. Ltd.**  
**CN-Jiujiang Town, Nanhai, Foshan City**
5. Anschrift:  
Address:  
**Siehe Punkt 4.**  
**See item 4.**
6. Name des Vertreters des Herstellers (gegebenenfalls):  
Name of manufacturer's representative (if any):  
**Entfällt**  
**Not applicable**
7. Anschrift:  
Address:  
**Siehe Punkt 6.**  
**See item 6.**
8. Kurze Beschreibung des Helms:  
Brief description of helmet:  
**Siehe Anlagen**  
**See enclosures**
9. **Helm mit abnehmbarer unterer Gesichtabdeckung (P/J)**  
**Helmet with removable lower face cover (P/J)**
10. Visiertyp oder Visiertypen:  
Type of visor or visors:  
**102 Visor (E1 R22 06300990)**
11. Kurze Beschreibung des Visiers oder der Visiere:  
Brief description of visor(s):  
**Siehe Anlagen**  
**See enclosures**
12. Helm betriebsbereit für spezifisches Zubehör (SA)/betriebsbereit für universelles Zubehör (UA)  
Helmet ready for specific accessory (SA)/ready for universal accessories (UA)  
**Entfällt**  
**Not applicable**



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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3

Genehmigungsnummer: **E1\*22R06/02\*300989\*02**

Approval Number:

13. In der Helmhomologation enthaltenes Zubehör und Funktionalität:  
Accessories included in the helmet homologation and functionality:  
**Helmschirm**  
**Peak**
- Sonnenblende**  
**Sun shield**
14. Wenn UA-Helm:  
If UA helmet:  
**Entfällt**  
**Not applicable**
15. Zur Genehmigung vorgelegt am:  
Submitted for approval on:  
**06.02.2024**
16. Technischer Dienst, der die Prüfungen für die Genehmigungen durchführt:  
Technical service responsible for conducting approval tests:  
**Technischer Dienst der TÜV Rheinland Kraftfahrt GmbH**  
**DE-51105 Köln**
17. Datum des Gutachtens des Technischen Dienstes:  
Date of report issued by that service:  
**29.01.2024**
18. Nummer des Gutachtens des Technischen Dienstes:  
Number of report issued by that service:  
**85-R22-165/24-00**
19. Bemerkung(en):  
Remark(s):  
**Handelsbezeichnung(en):**  
**General commercial description(s):**  
**iXS430, Bogotto FG-102, LAND CRUISER,**  
**VENTURE, VENTURE 1.0, VENTURE MIPS**
- Ausführung(en):**  
**Version(s):**  
**1:**  
**Mit Belüftungsanlage Typ 1**  
**With ventilation system type 1**  
**2:**  
**Mit Belüftungsanlage Typ 2**  
**With ventilation system type 2**



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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4

Genehmigungsnummer: **E1\*22R06/02\*300989\*02**

Approval Number:

20. Die Genehmigung wird **erweitert**  
Approval is **extended**
21. Ort: **DE-24932 Flensburg**  
Place:
22. Datum: **09.02.2024**  
Date:
23. Unterschrift: **Im Auftrag**  
Signature:

  
(D. Stieglitz)



24. Folgende mit der oben erwähnten Genehmigungsnummer versehene Dokumente sind auf Anforderung erhältlich:  
The following documents, bearing the approval number shown above, are available on request:

Anlagen:  
Enclosures:  
**Gemäß Inhaltsverzeichnis**  
**According to index**



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Zu: E1\*22R06/02\*300989\*02

To:

**Erklärung über die Einhaltung der Anforderungen hinsichtlich der Übereinstimmung der Produktion gemäß dem Übereinkommen von 1958**  
**Statement of compliance with the conformity of the production requirements of the 1958 Agreement**

1. Name des Herstellers:  
Manufacturer's name:  
**Foshan City Nanhai Yongheng Helmet Manufacturing Co. Ltd.**  
**CN-Jiujiang Town, Nanhai, Foshan City**
2. Datum der Anfangsbewertung:  
Date of the initial assessment:  
**26.01.2010**
3. Datum aller durchgeführten Überwachungstätigkeiten:  
Date of any surveillance activities:

Aktenzeichen Register number	Datum der Begehung Date of inspection	Genehmigungsnummer Approval number
CoP-Q: <b>Q-500614</b>	<b>22.11.2016</b>	
CoP-P: <b>P-501929</b>	<b>10.10.2018</b>	<b>05300567, Erweiterung 01</b>
<b>P-504002</b>	<b>19.05.2022</b>	<b>E1*22R05/03*300797*01</b>



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Zu: E1\*22R06/02\*300989\*02

To:

## Inhaltsverzeichnis zu den Beschreibungsunterlagen Index to the information package

Ausgabedatum: **16.03.2023**      Letztes Änderungsdatum: **09.02.2024**  
Date of issue:                              Last date of amendment:

Nebenbestimmungen und Rechtsbehelfsbelehrung  
Collateral clauses and instruction on right to appeal

Prüfbericht(e) Nr.:	Datum:
Test report(s) No.:	Date:
<b>85-R22-189/23-00</b>	<b>20.02.2023</b>
<b>85-R22-487/23-00</b>	<b>04.05.2023</b>
<b>85-R22-165/24-00</b>	<b>29.01.2024</b>

Beschreibungsbogen Nr.:	Datum:
Information document No.:	Date:
<b>YOHE-FG-102SV-00</b>	<b>27.09.2022</b>
<b>YOHE-FG-102SV-02</b>	<b>10.01.2024</b>

Liste der Änderungen:	Datum:
List of modifications:	Date:
<b>Siehe Prüfbericht: "List of modifications"</b>	<b>29.01.2024</b>
<b>See test report: "List of modifications"</b>	



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: **E1\*22R06/02\*300989\*02**

- Anlage -

## Nebenbestimmungen und Rechtsbehelfsbelehrung

### Nebenbestimmungen

Jede Einrichtung, die dem genehmigten Typ entspricht, ist gemäß der angewendeten Vorschrift zu kennzeichnen.

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Änderungen an den Einzelerzeugnissen sind nur mit ausdrücklicher Zustimmung des Kraftfahrt-Bundesamtes gestattet.

Änderungen der Firmenbezeichnung, der Anschrift und der Fertigungsstätten sowie eines bei der Erteilung der Genehmigung benannten Zustellungsbevollmächtigten oder bevollmächtigten Vertreters sind dem Kraftfahrt-Bundesamt unverzüglich mitzuteilen.

Verstöße gegen diese Bestimmungen können zum Widerruf der Genehmigung führen und können überdies strafrechtlich verfolgt werden.

Die Genehmigung erlischt, wenn sie zurückgegeben oder entzogen wird, oder der genehmigte Typ den Rechtsvorschriften nicht mehr entspricht. Der Widerruf kann ausgesprochen werden, wenn die für die Erteilung und den Bestand der Genehmigung geforderten Voraussetzungen nicht mehr bestehen, wenn der Genehmigungsinhaber gegen die mit der Genehmigung verbundenen Pflichten - auch soweit sie sich aus den zu dieser Genehmigung zugeordneten besonderen Auflagen ergeben - verstößt oder wenn sich herausstellt, dass der genehmigte Typ den Erfordernissen der Verkehrssicherheit oder des Umweltschutzes nicht entspricht.

Das Kraftfahrt-Bundesamt kann jederzeit die ordnungsgemäße Ausübung der durch diese Genehmigung verliehenen Befugnisse, insbesondere die genehmigungsgerechte Fertigung sowie die Maßnahmen zur Übereinstimmung der Produktion, nachprüfen. Es kann zu diesem Zweck Proben entnehmen oder entnehmen lassen. Dem Kraftfahrt-Bundesamt und/oder seinen Beauftragten ist ungehinderter Zutritt zu Produktions- und Lagerstätten zu gewähren.

Die mit der Erteilung der Genehmigung verliehenen Befugnisse sind nicht übertragbar. Schutzrechte Dritter werden durch diese Genehmigung nicht berührt.

### Rechtsbehelfsbelehrung

Gegen diese Genehmigung kann innerhalb eines Monats nach Bekanntgabe Widerspruch erhoben werden. Der Widerspruch ist beim **Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg**, schriftlich oder zur Niederschrift einzulegen.



# Kraftfahrt-Bundesamt

DE-24932 Flensburg

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2

Approval No.: **E1\*22R06/02\*300989\*02**

- Attachment -

## **Collateral clauses and instruction on right to appeal**

### **Collateral clauses**

All equipment which corresponds to the approved type is to be identified according to the applied regulation.

The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Kraftfahrt-Bundesamt.

Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorised representative named when the approval was granted is to be immediately disclosed to the Kraftfahrt-Bundesamt.

Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

The Kraftfahrt-Bundesamt may check the proper exercise of the conferred authority taken from this approval at any time. In particular this means the compliant production as well as the measures for conformity of production. For this purpose samples can be taken or have taken. The employees or the representatives of the Kraftfahrt-Bundesamt may get unhindered access to the production and storage facilities.

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

### **Instruction on right to appeal**

This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg.**

Type : FG-102SV  
Manufacturer : FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.

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## TEST REPORT

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

06 series of amendments, Suppl. 2

#### For the Type Approval of:

- Helmet + Visor
- Helmet
- Visor

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Approval Status

UN-approval : E1\*22R06/02\*300989\*01

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#### 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** : **FG-102SV**

**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

**0. General information**

- 0.1. Make (trade name of the manufacturer) : Y, YH, YOHE, RYMIC, SPYDER, SPY, Nomad, BiLT, SEDICI, iXS, Maxx, Novic, MT, PREMIER, CASTLE, AXXIS, BMW, DESERT FOX, CASTLEX, TIMELESS, LINDSTRANDS, LOUIS, ACERBIS, BILMOLA, LAZER, RAPIDO, Bogotto, moTo ELEVEEn, STREET RACER, NOVIC, CNELL, BIEFFE, PRO MAX, GTX, CASTLE SGI, NEO, SPEEDS, ONEAL, RAPIDO, DAYTONA, DH, NOX, KOKPIT, ZORAX, 130R, CURVE, SHAFT, SHAFTPRO, D, SPIRIT, UMOVE, ROXAR
- 0.2. Type : FG-102SV
- Commercial description(s) : iXS430, Bogotto FG-102, LAND CRUISER, VENTURE, VENTURE 1.0, VENTURE MIPS
- Version(s) : 1. With Ventilation system type 1  
2. With Ventilation system type 2
- 0.3. Helmet category : see appendix L, item 9
- 0.4. Name and address of the manufacturer : FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.  
Yannan Industrial Area, Longgao Road, Jiujiang Town, Nanhai, Foshan City, Guangdong, China
- 0.5. No. of the information document : YOHE-FG-102SV-02
- Date of issue : January 10, 2024
- Date of last change : ---

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

- 1.1. Description
- 1.1.1. Object : see appendix L, item 8
- Trade name : see appendix L, item 1
- Type(s) / variant(s) / version(s) : see appendix L, item 2
- Identification number : without
- 1.1.2. Condition of vehicle(s)/object(s) : ~~new, used, protested~~
- 1.2. Worst case configuration : No worst case assessment required (only one variant/version or no variants/versions)

**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
**HELMET MANUFACTURING CO., LTD.**

~~There is no worst case selection applicable because all versions mentioned in the information folder are tested.~~

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**

Remarks concerning extension : The helmet type has been tested according to the modification(s) mentioned in appendix 0.

The new parts meet the requirements of the regulation.

~~An actual practical test of the helmet was not necessary. The results of the previous test(s) are still valid.~~

Test results referring to measurements : passed

Test results of not measurable attributes : not applicable

Alternative test methods : 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 (Guangdong) Ltd.  
 Guangzhou Helmet Laboratory  
 No.767 Tianyuan Road, Tianhe District,  
 Guangzhou 510650, P.R. China

TÜV Rheinland Krafftahrt GmbH  
 Technology Center Traffic Safety  
 Am Grauen Stein  
 51105 Cologne, Germany

Test date : September 29, 2022 - January 20, 2023

January 12, 2024

2.4. Remarks : without

Type : FG-102SV  
Manufacturer : FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.

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### 3. Appendices

Appendix 0 : List of modifications  
Appendix L : Technical description of type and Communication concerning the UN-approval  
Appendix 1 : Test minutes  
Information document : YOHE-FG-102SV-02 (30 pages)

### 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.

Engineering Centre Shanghai, January 29, 2024

KWU / CGC



Kevin Wu

Technical Expert Technical Service

**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.

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**List of modifications****Appendix 0**

Correction of : -  
Modification of : -  
Addition of : 1. Trade names.  
2. Commercial descriptions.  
3. one types of Ventilation system  
Deletion of : -

**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

**Communication concerning the type approval**

**Appendix L**

- |    |  |   |   |
|----|--|---|---|
| 1  | Trade mark   | : | Y, YH, YOHE, RYMIC, SPYDER, SPY, Nomad, BiLT, SEDICI, iXS, Maxx, Novic, MT, PREMIER, CASTLE, AXXIS, BMW, DESERT FOX, CASTLEX, TIMELESS, LINDSTRANDS, LOUIS, ACERBIS, BILMOLA, LAZER, RAPIDO, Bogotto, moTo ELEVEN, STREET RACER, NOVIC, CNELL, BIEFFE, PRO MAX, GTX, CASTLE SGI, NEO, SPEEDS, ONEAL, RAPIDO, DAYTONA, DH, NOX, KOKPIT, ZORAX, 130R, CURVE, SHAFT, SHAFTPRO, D, SPIRIT, UMOVE, ROXAR   |
| 2  | Type<br>Commercial description(s)<br>Versions(s)             | : | FG-102SV<br>iXS430, Bogotto FG-102, LAND CRUISER, <u>VENTURE</u> , <u>VENTURE 1.0</u> , <u>VENTURE MIPS</u><br>1. With Ventilation system type 1<br><u>2. With Ventilation system type 2</u>  |
| 3  | Sizes  | : | XS 53-54, S 55-56, M 57-58, L 59-60, XL 61-62, XXL 63-64  |
| 4  | Manufacturer's name  | : | FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.  |
| 5  | Address  |   | Yannan Industrial Area, Longgao Road, Jiujiang Town, Nanhai, Foshan City, Guangdong, China  |
| 6  | If applicable, name of manufacturer's representative         | : | not applicable  |
| 7  | Address  | : | not applicable  |
| 8  | Brief description of helmet                                  | : | <p>The integral-faced helmet FG-102SV is composed of composite shell.</p> <p>The protective padding is made of one EPS (Expanded Poly Styrene) size liner, one EPS crown liner in the top area, two EPS side liners and one EPS chin liner.</p> <p>The adoption to the different head sizes is done by different shells, different thickness of the size liner, and different thickness of the comfort padding.</p> <p>The helmet is fitted with 1 visor with separate approval and with 1 sun shield.<br/>The sun shield of 102S is tinted, made of Polycarbonate (PC), and a thickness of 2.0 mm.</p> |
| 9  | Helmet category  | : | with detachable or movable lower face cover (P/J)   |
| 10 | Type of visor or visors                                      | : | 102 Visor   |
| 11 | Brief description of visor or visors, and inner visor if any | : | <p>Clear visor, made of Polycarbonate (PC) with hardened coating on the surface, and a thickness of 2.0 mm.</p> <p>Refer to the type approval: 102 Visor (E1 22R 06300990)</p>  |

**Type** : **FG-102SV**

**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

12	Helmet ready for	:	<del>Specific accessory (SA)/ Universal accessories(UA)</del>
13	Accessories included in the helmet homologation and functionality	:	not applicable
14	If UA helmet	:	not applicable
			<del>speakers (S or S45)/Microphone (M)/Front mounting (F) /Side mounting (L), Rear mounting (R)</del>
15	Submitted for approval on	:	September 29, 2022 - January 20, 2023 <u>January 12, 2024</u>
16	Technical service responsible for conducting approval tests	:	TÜV Rheinland Kraftfahrt GmbH Typprüfstelle Fahrzeuge/Fahrzeugteile Am Grauen Stein 51105 Köln
17	Date of report issued by that service	:	<u>January 29, 2024</u> February 20, 2023
18	Number of report issued by that service	:	<u>85-R22-165/24-00</u> 85-R22-189/23-00
19	Comments	:	not applicable
20	Approval	:	<del>Granted</del> / extended /-refused /-withdrawn

**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
**HELMET MANUFACTURING CO., LTD.**

Test minutes

Appendix 1

**General Requirements for Helmets**

- |     |   |   |  |
|-----|---|---|--|
| 1   | Basic construction<br>(6.1)                     | : | The helmet consists of a shell, protective padding, comfort padding and a retention system.  |
| 2   | Additional construction<br>(6.2/ 6.2.1)         | : | Refer Appendix L, item 8   |
| 3   | Lower face cover<br>(6.2.2.)                    | : | Refer Appendix L, item 9   |
| 4   | Helmet with accessories<br>(6.3)                | : | Not applicable   |
| 4.1 | Helmet with universal<br>accessories<br>(6.3.1) | : | Not applicable   |
| 4.2 | Helmet with specific accessories<br>(6.3.2)     |   | Not applicable   |
| 5   | Protection areas<br>(6.4)                       | : | The shell and padding of the helmets of each size cover the required areas.  |
| 6   | Hearing ability and temperature<br>(6.5)        | : | The wearer's ability to hear is not dangerously affected by the helmet.<br><br>The helmet has ventilation holes in the shell to prevent overheating.   |
| 7   | Outer projections<br>(6.6 / 6.7)                | : | All external projections are rounded and smooth.<br>All external projections $\leq 2$ mm have a radius $\geq 1$ mm.<br><br>There are projections of the outer shell, greater than 2mm.<br>All external projections $> 2$ mm have a radius $\geq 2$ mm.<br>The shear assessment was successful. |
| 8   | Inner projections<br>(6.8)                      | : | No inward facing sharp edges. All internal parts are covered with padding.   |
| 9   | 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.   |

**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
**HELMET MANUFACTURING CO., LTD.**

- 10 Retention system
- 10.1 Abrasion protection (6.10) : The wearer is protected from abrasion by the retention system.
- 10.2 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
- 10.3 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.
- 11 Detachable/movable face cover (6.12) : Not applicable
- 12 Materials (6.13) : The materials used for the helmet comply with the regulation.
- 13 Breakage and deformation (6.14) : The helmet does not show breakage or deformation dangerous to the wearer after testing.
- 14 Peripheral vision (6.15) : Complies with the requirements of the regulation, refer test results.
- 15 Visor (6.16) : Refer to the visor approval: 102 Visor (E1 22R 06300990)

R22 E1\*22R06/02\*300989\*02

**Type** : **FG-102SV**

**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

- |      |                               |  |
|------|-------------------------------|--|
| 16   | Sun shield<br>(6.17)          |  |
| 16.1 | General<br>(6.17.1)           | : The sun shield does not affect the visor in any way.<br>The sun shield is controlled separately from the visor.  |
| 16.2 | Field of Vision<br>(6.17.2)   | : Complies with the requirements of the regulation, see also test results: <ul style="list-style-type: none"> <li>- Field of Vision</li> <li>- Luminous transmittance</li> <li>- No defects impairing vision</li> <li>- No noticeable distortion</li> <li>- Spectral transmittance</li> <li>- Reflective power values</li> </ul> |
| 17   | Conspicuity marking<br>(6.18) | : The helmet is not equipped with retroreflective parts.   |
| 18   | Accessories<br>(6.19)         | : Not applicable   |
| 19   | Information<br>(14)           | : Manufacturer-information about size and weight are located on the outer shell by adhesive label(s).<br>Additional consumer information in accordance with the UN-R 22 is given by the owner's manual. It has to always be enclosed to the offered helmet.  |

**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
**HELMET MANUFACTURING CO., LTD.**

6.15. Peripheral vision

P configuration:

Helmet Size	Test head	horizontal angle [°] (min. 210°)	upwards angle [°] (min. 7°)	downwards angle [°] (min. 45°)
S 55-56	555	214	7	45
XL 61-62	625	214	7	46

J configuration:

Helmet Size	Test head	horizontal angle [°] (min. 210°)	upwards angle [°] (min. 7°)	downwards angle [°] (min. 45°)
XS 53-54	535	214	7	>45

7.3. Impact-absorption-tests

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

P configuration:

helmet size : XS 53-54  
 test-head-size : 535  
 anvil : Flat (Helm. 1), Kerbstone (Helm. 2)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 1 Low Temp. (-10°C)	B	191	1640
	X	246	2302
	P	237	2235
	R	182	1487
	S	105	251
Helmet 2 High Temp. (+50°C)	B	137	814
	X	192	1592
	P	195	1556
	R	153	1126
	S	---	---

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Type : FG-102SV

Manufacturer : FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 3), Kerbstone (Helm. 4), Kerbstone (Helm. 5)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 3 Ambient	B	175	1464
	X	214	1682
	P	214	2020
	R	155	1157
	S	---	---
Helmet 4 Ambient	B	123	867
	X	182	1145
	P	228	1635
	R	134	1037
	S	---	---
Helmet 5 Artificial ageing	B	130	837
	X	183	1295
	P	191	1476
	R	128	943
	S	---	---

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 6), Kerbstone (Helm. 7)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 6 Low Temp. (-10°C)	B	182	1495
	X	219	1852
	P	224	2150
	R	166	1210
	S	126	373
Helmet 7 High Temp. (+50°C)	B	130	864
	X	185	1394
	P	247	1740
	R	144	960
	S	---	---

**Type** : FG-102SV

**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.

helmet size : L 59-60  
test-head-size : 605  
anvil : Flat (Helm. 8), Kerbstone (Helm. 9)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 8 Low Temp. (-10°C)	B	209	1608
	X	233	1927
	P	229	2338
	R	159	1252
	S	79	217
Helmet 9 High Temp. (+50°C)	B	121	831
	X	179	1212
	P	218	1557
	R	129	922
	S	---	---

helmet size : XXL 63-64  
test-head-size : 625  
anvil : Flat (Helm. 10), Kerbstone (Helm. 11)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 10 Low Temp. (-10°C)	B	180	1395
	X	220	1704
	P	224	2095
	R	151	1089
	S	118	379
Helmet 11 High Temp. (+50°C)	B	162	921
	X	144	907
	P	180	1362
	R	118	827
	S	---	---

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Type : **FG-102SV**

Manufacturer : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

helmet size : XXL 63-64  
 test-head-size : 625  
 anvil : Flat (Helm. 12), Kerbstone (Helm. 13), Flat (Helm. 14)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 12 Ambient	B	197	1567
	X	214	1605
	P	221	2080
	R	149	1118
	S	---	---
Helmet 13 Ambient	B	128	856
	X	144	901
	P	190	1354
	R	129	874
	S	---	---
Helmet 14 Artificial ageing	B	182	1480
	X	214	1574
	P	224	2113
	R	157	1132
	S	---	---

J configuration:

helmet size : L 59-60  
 test-head-size : 605  
 anvil : Flat (Helm. 15), Kerbstone (Helm. 16)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 15 Low Temp. (-10°C)	B	137	620
	X	244	2155
	P	227	2046
	R	196	1646
	S	---	---
Helmet 16 High Temp. (+50°C)	B	81	303
	X	156	1007
	P	181	1311
	R	127	923
	S	---	---

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Type : **FG-102SV**

Manufacturer : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

helmet size : XXL 63-64  
test-head-size : 625  
anvil : Flat (Helm. 17), Kerbstone (Helm. 18)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 17 Low Temp. (-10°C)	B	120	543
	X	211	1525
	P	204	1829
	R	155	1069
	S	---	---
Helmet 18 High Temp. (+50°C)	B	83	261
	X	142	905
	P	166	1152
	R	117	837
	S	---	---

Low energy impact

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

P configuration:

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 19)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 19 Ambient	B	162	1028
	X	146	835
	P	172	1166
	R	148	834
	S	---	---

helmet size : XXL 63-64  
test-head-size : 625  
anvil : Kerbstone (Helm. 20)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 20 Ambient	B	92	408
	X	117	574
	P	103	614
	R	115	528
	S	---	---

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**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

J configuration:

helmet size : XXL 63-64  
 test-head-size : 625  
 anvil : Flat (Helm. 21)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 21 Ambient	B	95	307
	X	158	895
	P	152	1096
	R	161	904
	S	---	---

High energy impact

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

P configuration:

helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 22)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 22 Ambient	B	195	1902
	X	259	2340
	P	244	2637
	R	169	1498
	S	---	---

helmet size : XXL 63-64  
 test-head-size : 625  
 anvil : Flat (Helm. 23)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 23 Ambient	B	185	1777
	X	241	2202
	P	248	2454
	R	164	1386
	S	---	---

**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

J configuration:

helmet size : XXL 63-64  
test-head-size : 625  
anvil : Flat (Helm. 24)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 24 Ambient	B	111	441
	X	232	1875
	P	242	2538
	R	171	1448
	S	---	---

Extra point

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

P configuration:

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 25)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 25 Ambient	BXL	156	1048
	RXPL	208	1333
	RXR	165	1087
	BXPR	182	1145

helmet size : XXL 63-64  
test-head-size : 625  
anvil : Kerbstone (Helm. 26)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 26 Ambient	BXR	174	1311
	RXPR	180	1623
	RXL	214	1765
	BXPL	165	1253

**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

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

J configuration:

All values are within the limits of the regulation.

Helmet size	M 57-58	
Test head size	575	
	Test with positive result at the following points of the outer shell:	
1.	Rear air vent sliding tangential at the projection	Positive
2.	Main outer shell area test for friction assessment	Positive

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")

Complies with the requirements of the regulation.

7.5 Rigidity test

All values are within the limits of the regulation.

P configuration:

Helmet Size	Direction	Deformation [mm] (max. 40 mm)	Permanent deformation [mm] (max. 15 mm)
M 57-58	longitudinal	23	8
	transversal	14	4
XXL 63-64	longitudinal	17	4
	transversal	13	4

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Type : **FG-102SV**

Manufacturer : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

J configuration:

Helmet Size	Direction	Deformation [mm] (max. 40 mm)	Permanent deformation [mm] (max. 15 mm)
XXL 63-64	longitudinal	25	10
	transversal	19	6

7.6. Dynamic test of the retention system

All values are within the limits of the regulation.

P configuration:

With DD Ring

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
XS 53-54	535	27.6	10.9	--
L 59-60	605	26.5	9.7	--

With buckle

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
XS 53-54	535	27.5	10.1	--
L 59-60	605	29.5	12.8	--

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**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

J configuration:

With DD Ring

Helmet Size	Headsizes	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
L 59-60	605	27.0	11.2	--

With buckle

Helmet Size	Headsizes	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
L 59-60	605	26.7	10.1	--

7.7.2. Retention (detaching) test  
 [Weight hooked to the front border]  
 All values are within the limits of the regulation.

P configuration:

With DD Ring

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	17	Front to rear
L 59-60	605	15	Front to rear

With buckle

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	20	Front to rear
L 59-60	605	21	Front to rear

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**Type** : **FG-102SV**

**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG  
HELMET MANUFACTURING CO., LTD.**

J configuration:

With DD Ring

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	17	Front to rear

With buckle

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	26	Front to rear

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

All values are within the limits of the regulation.

P configuration:

With DD Ring

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	22	Rear to front
L 59-60	605	20	Rear to front

With buckle

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	21	Rear to front
L 59-60	605	20	Rear to front

**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

J configuration:

With DD Ring

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	20	Rear to front

With buckle

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	24	Rear to front

7.8. Visor tests

Refer to visor type approval No.: 102 Visor (E1 22R 06300990)

7.9. Sun shield tests of 102S

All values are within the limits of the regulation.

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

Luminous transmittance $\tau_v$ (D65) ( >0,8) (daytime : > 0,35; Sun shield: > 0,20)	$Q_{Red} \geq 0,8$	$Q_{Yellow} \geq 0,6$	$Q_{green} \geq 0,6$	$Q_{blue} \geq 0,6$
0.370	Pass	Pass	Pass	Pass
0.370	Pass	Pass	Pass	Pass
0.370	Pass	Pass	Pass	Pass

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

0.305
0.306
0.305

**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

Refractive powers

Spherical effect [m <sup>-1</sup> ]	Astigmatic effect [m <sup>-1</sup> ]	Prismatic Diff. Effect [cm/m]		
		horizontal base		vertical base
		outside	inside	
≤ ±0.12	≤ 0.12	≤ 1.00	≤ 0.25	≤ 0.25
0.01	0.01	0.13	--	0.04
0.03	0.01	0.14	--	0.04
0.03	0.01	0.14	--	0.04

7.10 Microslip-test of the chin strap

All values are within the limits of the regulation.

Movement:	< 10.0 mm	Limit ≤ 10 mm
-----------	-----------	------------------

7.11 Test for resistance to abrasion of the chin strap

Complies with the requirements of the regulation.

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.

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**Type** : **FG-102SV**  
**Manufacturer** : **FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.**

7.13. Oblique impact test method of measuring rotational acceleration

All values are within the limits of the regulation, 10400 rad/s<sup>2</sup> respectively BrIC 0,78.

P configuration:

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s <sup>2</sup> ]	BrIC	Remark
575	AMB	45°	FLR	M 57-58	3132	0.36	--
575	AMB	45°	Rear	M 57-58	3034	0.43	--
575	AMB	45°	LL	M 57-58	2613	0.30	--
575	AMB	45°	Front	M 57-58	2708	0.43	--
535	AMB	45°	RLR	M 57-58	5008	0.46	--
625	AMB	45°	FLR	XXL 63-64	1753	0.26	--
625	AMB	45°	Rear	XXL 63-64	3056	0.29	--
625	AMB	45°	LL	XXL 63-64	2447	0.28	--
625	AMB	45°	Front	XXL 63-64	2229	0.29	--
625	AMB	45°	RLR	XXL 63-64	2798	0.31	--

J configuration:

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s <sup>2</sup> ]	BrIC	Remark
625	AMB	45°	FLR	XXL 63-64	1679	0.22	--
625	AMB	45°	Rear	XXL 63-64	3037	0.31	--
625	AMB	45°	LL	XXL 63-64	2330	0.27	--
625	AMB	45°	Front	XXL 63-64	1382	0.09	--
625	AMB	45°	RLR	XXL 63-64	3887	0.44	--

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**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
**HELMET MANUFACTURING CO., LTD.**

**Additional tests:**

7.3. Impact-absorption-tests

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

P configuration:

helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 1), Kerbstone (Helm. 2)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 1 Low Temp. (-10°C)	B	<u>187</u>	<u>1521</u>
	X	<u>216</u>	<u>1759</u>
	P	<u>216</u>	<u>1986</u>
	R	<u>149</u>	<u>1016</u>
	S	<u>129</u>	<u>411</u>
Helmet 2 High Temp. (+50°C)	B	<u>144</u>	<u>1016</u>
	X	<u>190</u>	<u>1406</u>
	P	<u>193</u>	<u>1527</u>
	R	<u>147</u>	<u>964</u>
	S	---	---

helmet size : XXL 63-64  
 test-head-size : 625  
 anvil : Flat (Helm. 1), Kerbstone (Helm. 2)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 1 Low Temp. (-10°C)	B	<u>118</u>	<u>705</u>
	X	<u>136</u>	<u>847</u>
	P	<u>156</u>	<u>1208</u>
	R	<u>136</u>	<u>971</u>
	S	<u>178</u>	<u>1547</u>
Helmet 2 High Temp. (+50°C)	B	<u>237</u>	<u>1605</u>
	X	<u>217</u>	<u>1888</u>
	P	<u>172</u>	<u>1260</u>
	R	<u>142</u>	<u>398</u>
	S	---	---

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**Type** : FG-102SV  
**Manufacturer** : FOSHAN CITY NANHAI YONGHENG  
 HELMET MANUFACTURING CO., LTD.

J configuration:

helmet size : XXL 63-64  
 test-head-size : 625  
 anvil : Flat (Helm. 1), Kerbstone (Helm. 2)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 1 Low Temp. (-10°C)	B	<u>95</u>	<u>288</u>
	X	<u>185</u>	<u>1425</u>
	P	<u>218</u>	<u>2004</u>
	R	<u>185</u>	<u>1417</u>
	S	---	---
Helmet 2 High Temp. (+50°C)	B	<u>99</u>	<u>459</u>
	X	<u>142</u>	<u>792</u>
	P	<u>157</u>	<u>1137</u>
	R	<u>126</u>	<u>883</u>
	S	---	---

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## INFORMATION DOCUMENT FOR TYPE-APPROVAL OF PROTECTIVE HELMETS FOR DRIVERS AND PASSENGERS OF MOTOR CYCLES AND MOPEDS

1. Make (trade name or mark of the manufacturer) : Y, YH, YOHE, RYMIC, SPYDER, SPY, Nomad, BiLT, SEDICI, iXS, Maxx, Novic, MT, PREMIER, CASTLE, AXXIS, BMW, DESERT FOX, CASTLEX, TIMELESS, LINDSTRANDS, LOUIS, ACERBIS, BILMOLA, LAZER, RAPIDO, Bogotto, moTo ELEVEN, STREET RACER, NOVIC, CNELL, BIEFFE, PRO MAX, GTX, CASTLE, SGL, NEO, SPEEDS, ONEAL, RAPIDO, DAYTONA, DH, NOX, KOKPIT, ZORAX, 130R, CURVE, SHAFT, SHAFTPRO, D, SPIRIT, UMOVE, ROXAR
2. Type : FG-102SV
- Commercial description(s) : iXS430, Bogotto FG-102, LAND CRUISER, VENTURE, VENTURE 1.0, VENTURE MIPS
- Version(s) : 1. With Ventilation accessory type 1  
2. With Ventilation accessory type 2
3. Sizes : XS (53-54cm), S (55-56 cm), M (57-58 cm), L(59-60 cm), XL (61-62 cm), XXL (63-64 cm)
4. Name of the manufacturer : FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.
5. Address of the manufacturer : Yannan Industrial Area, Longgao Road, Jiujiang Town, Nanhai, Foshan City, Guangdong, China
6. Name of the manufacturer's representative : N/A
7. Address of the manufacturer's representative : N/A
8. Brief description of the helmet : The integral-faced helmet FG-102SV is composed of composite shell.
- and / or <sup>1</sup> Brief description of visor
- The protective padding is made of one EPS (Expanded Poly Styrene) size liner, one EPS crown liner in the top area, two EPS side liners and one EPS chin liner.

The adoption to the different head sizes is

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done by different sizes of shell, different thickness of the size liner, and different thickness of the comfort padding.

The helmet is fitted with 1 visor with separate approval and with 1 sun shield.

The visor type: 102 Visor (approved number: E1-06300990), made of Polycarbonate (PC), and a thickness of 2.0 mm.

The sun shield type: 102S is tinted, made of Polycarbonate (PC), and a thickness of 2.0 mm.

**ADDITIONAL INFORMATION**

~~Helmet without lower face cover (J) / with protective lower face cover (P) / with non protective lower face cover (NP) / with detachable or movable lower face cover (P/J)~~ : P/J

Type of visor or visors : 102 Visor

~~Types of helmet to which the visor may be fitted~~

Name and address of assembly plant : FOSHAN CITY NANHAI YONGHENG HELMET MANUFACTURING CO., LTD.

Yannan Industrial Area, Longgao Road, Jiujiang Town, Nanhai, Foshan City, Guangdong, China

Applicable regulation : UN-Reg. No. 22, 06 series of amendments, Supply.

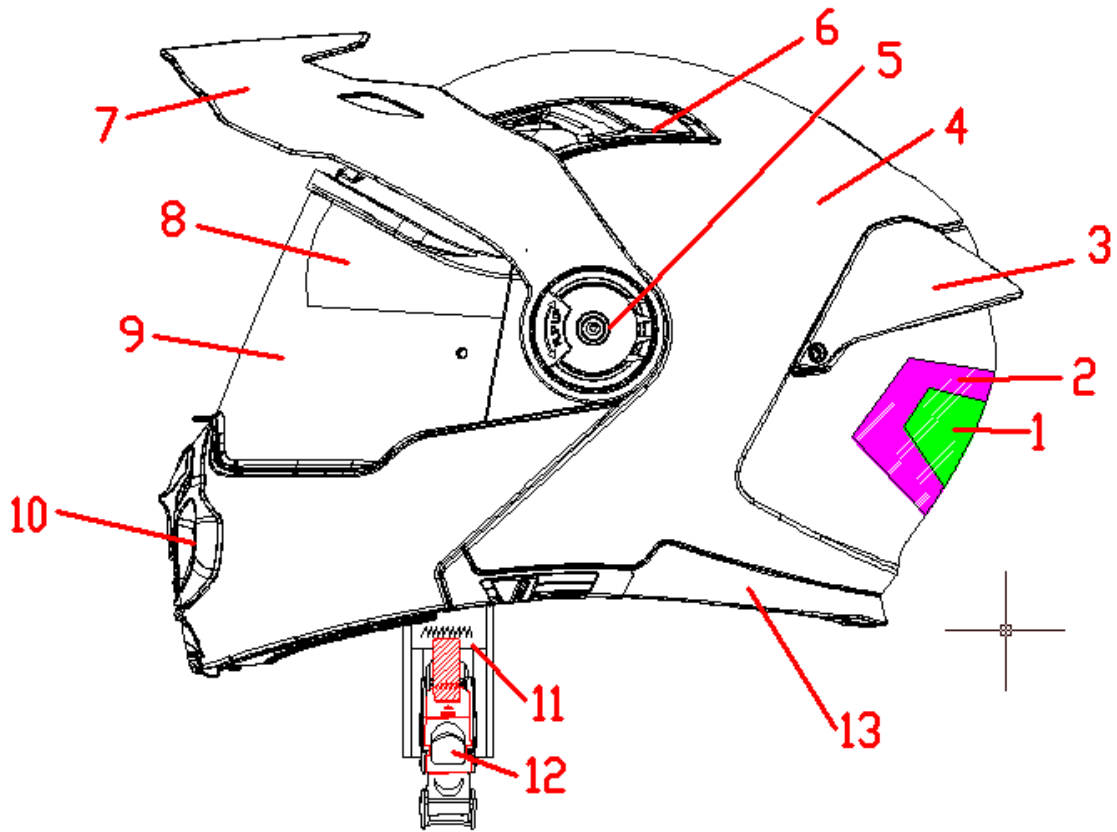
Reasons of extension : 1. Additional of the trade names.  
2. Additional of the commercial description(s).  
3. Additional of one types of Ventilation accessory.

**NOTE:**

<sup>1</sup> strike through where not applicable

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R22 E1\*22R06/02\*300989\*02



DRW.	FG-102SV-01	<b>Assembly Drawing</b> Version 1
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	Type	FG-102SV
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R22 E1\*22R06/02\*300989\*02

**Information folder No. YOHE-FG-102SV-02**

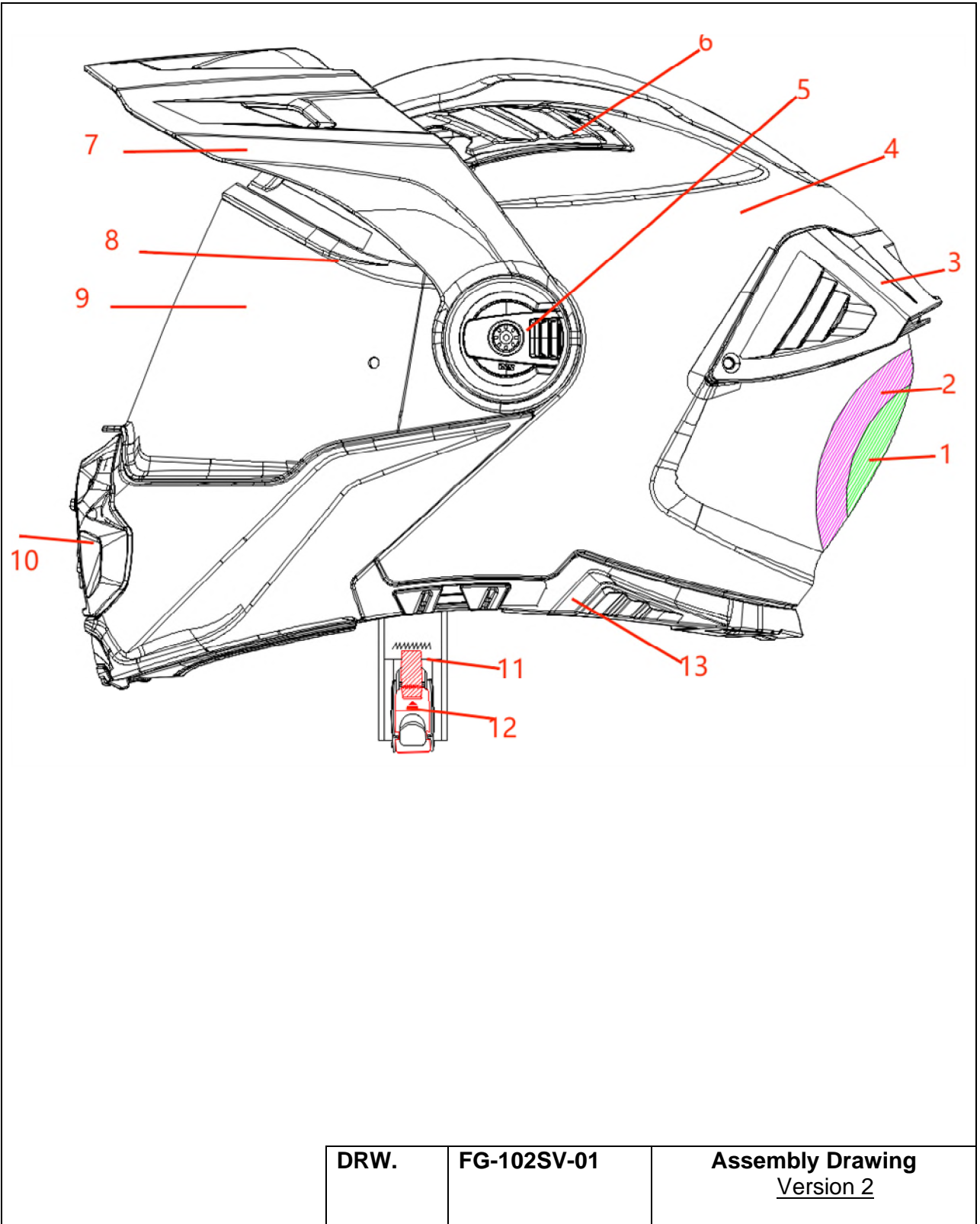
Application date: January 10, 2024

Part No.	Subject or name	Material
1	Protective Padding	EPS
2	Comfort Padding	Compound sponge and cloth
3	Rear exhaust vent	ABS
4	Shell	COMPOSITE
5	Visor Base	POM
6	Front upper vent	PC
7	Peak	ABS
8	Sun Shield	PC
9	Visor	PC
10	Mouth Lower Vent	POM
11	Chin Strap	Nylon
12	Quick Release Mechanism	Polycarbonate + Steel
13	Lower rubber trim	PVC

**Material list of parts**  
Version 1

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R22 E1\*22R06/02\*300989\*02

DRW.	FG-102SV-01	Assembly Drawing <u>Version 2</u>
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	Type	FG-102SV
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**Information folder No. YOHE-FG-102SV-02**

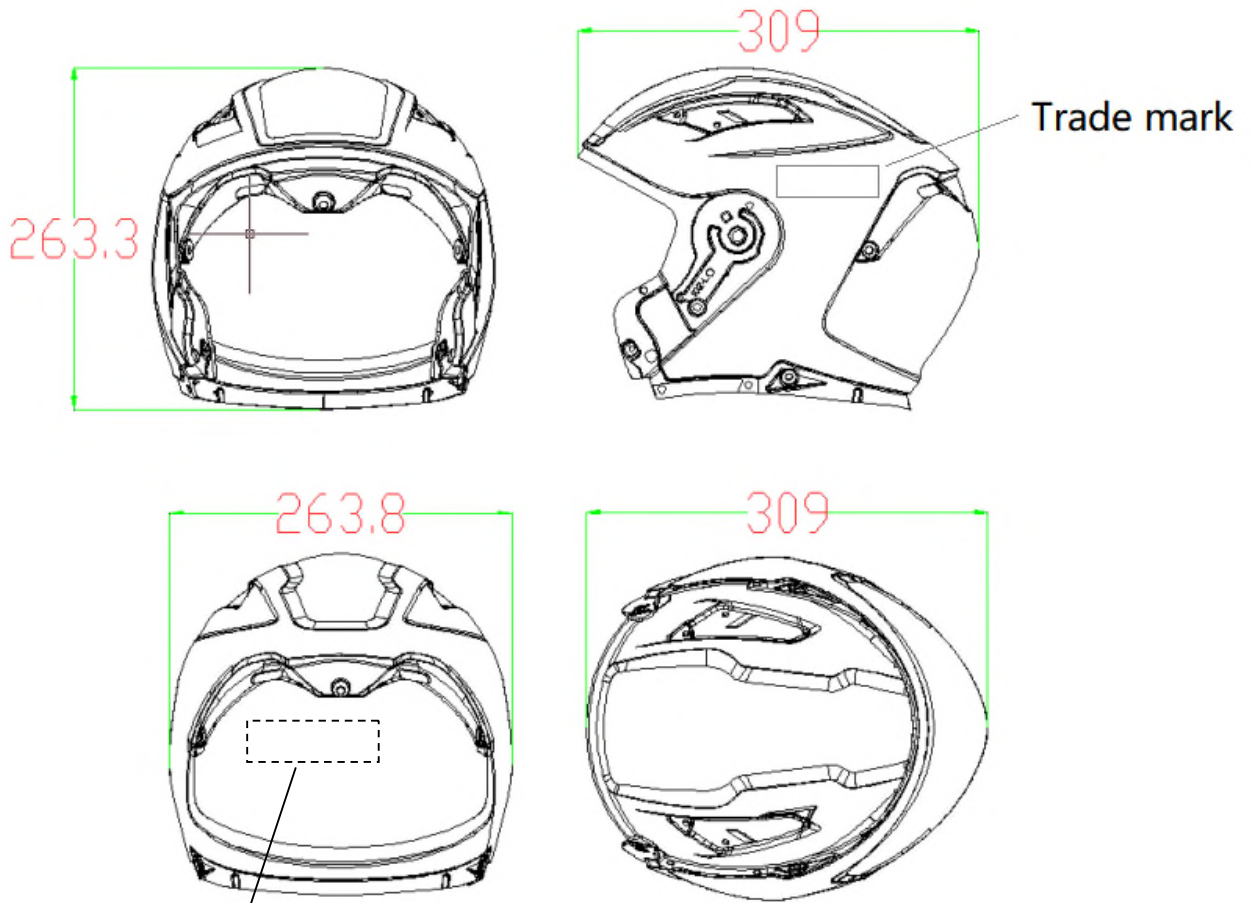
Application date: January 10, 2024

Part No.	Subject or name	Material
1	Protective Padding	EPS
2	Comfort Padding	Compound sponge and cloth
3	Rear exhaust vent	ABS
4	Shell	COMPOSITE
5	Visor Base	POM
6	Front upper vent	PC
7	Peak	ABS
8	Sun Shield	PC
9	Visor	PC
10	Mouth Lower Vent	POM
11	Chin Strap	Nylon
12	Quick Release Mechanism	Polycarbonate + Steel
13	Lower rubber trim	PVC

**Material list of parts**  
Version 2

R22 E1\*22R06/02\*300989\*02

	Type	FG-102SV
	Page	7 of 30



Remark: "year of production marking" will be showed inside of shell.

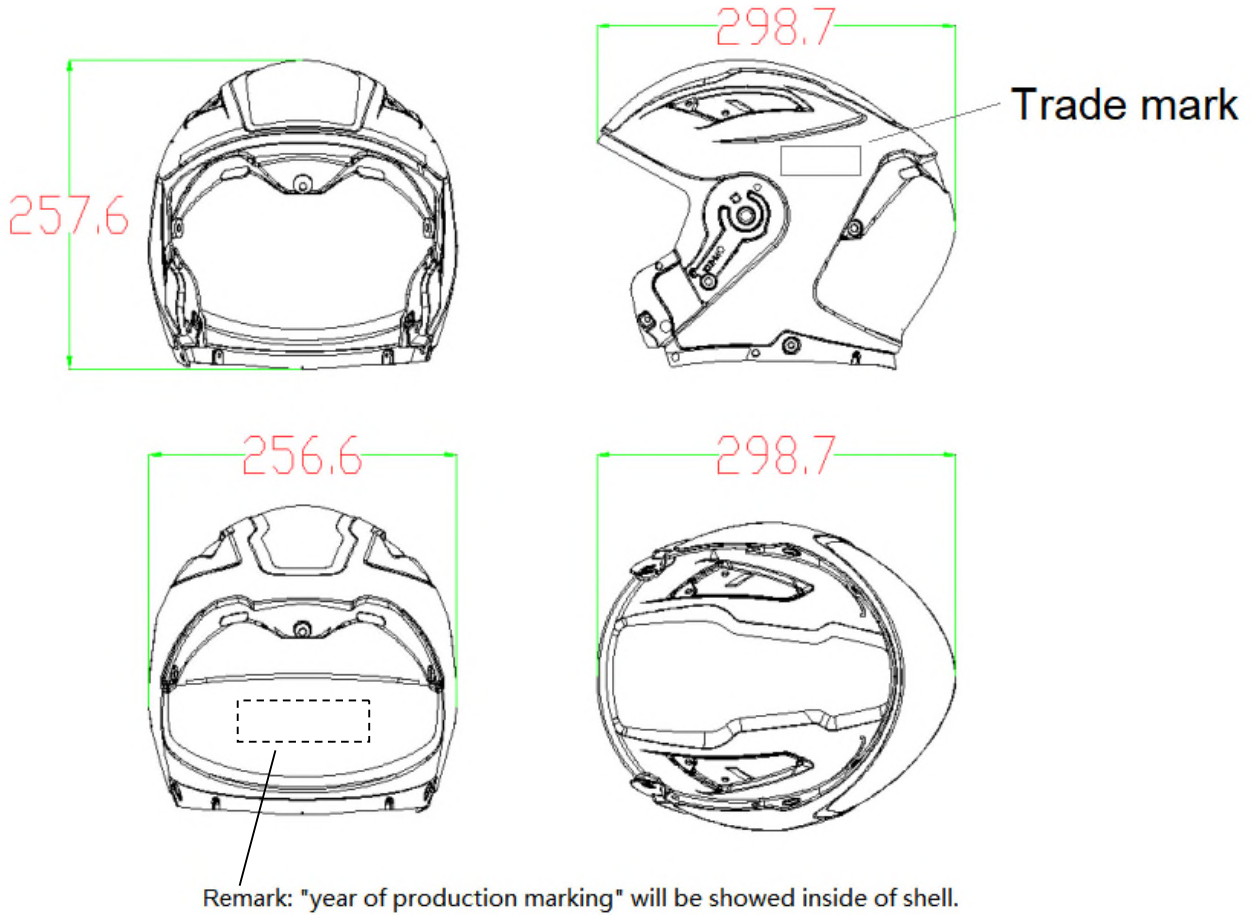
**DRW.**

**FG-102SV-02  
for L-XXL**

**Helmet section view**

	Type	FG-102SV
	Page	8 of 30

R22 E1\*22R06/02\*300989\*02



R22 E1\*22R06/02\*300989\*02

DRW.

FG-102SV-02  
for XS-M

Helmet section view

	Type	FG-102SV
	Page	9 of 30

Impact absorption material thickness in millimeter, SHELL					
Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Section S-Point
XS	2.0	2.4	2.4	4.0	2.5
S	2.0	2.4	2.4	4.0	2.5
M	2.0	2.4	2.4	4.0	2.5
L	2.0	2.4	2.4	4.0	2.5
XL	2.0	2.4	2.4	4.0	2.5
XXL	2.0	2.4	2.4	4.0	2.5

Impact absorption material thickness in millimeter, LINER					
Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Section S-Point
XS	37	44	42	32	21
S	37	44	42	32	21
M	37	44	42	32	21
L	38	42	40	39	21
XL	38	42	40	39	21
XXL	38	42	40	39	21

Impact absorption material thickness in millimeter, LINING					
Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Side Part Lining
XS	16	12	16	16	35
S	12	12	12	12	30
M	14	12	14	14	25
L	12	12	12	12	35
XL	10	12	10	10	30
XXL	8	12	8	8	25

	Type	FG-102SV
	Page	10 of 30

R22 E1\*22R06/02\*300989\*02

## Dimension and weight

### 1. Dimension of the shell:

SIZE	Length (mm)	Width (mm)	Height (mm)
XS-M	298.7	256.6	257.6
L-XXL	309.0	263.8	263.3

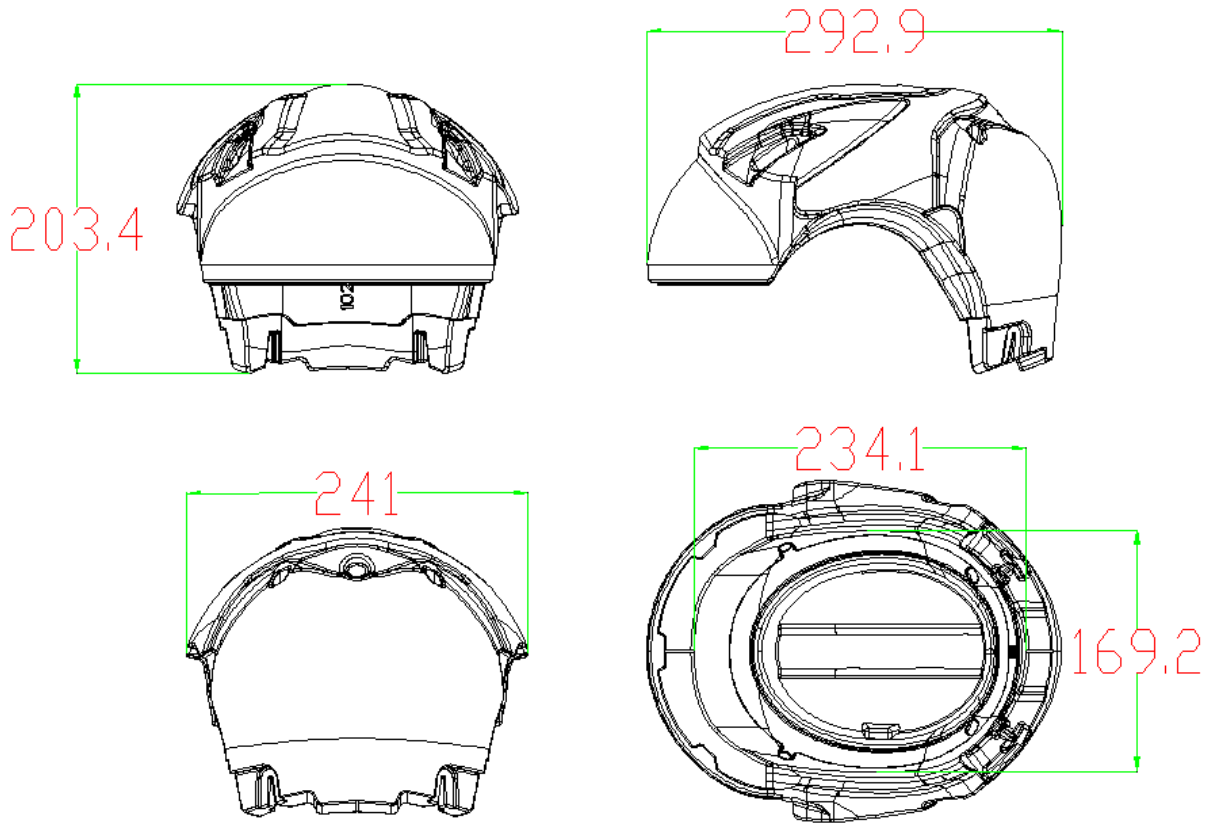
### 2. Total weight of the helmet:

Size	Weight (g)	Tolerance (g)
XS	1650	±50
S	1650	±50
M	1650	±50
L	1650	±50
XL	1650	±50
XXL	1650	±50

### 3. Specific gravity of the impact absorption liner

Size	Specific gravity of size liner (kg/m <sup>3</sup> )	Specific gravity of side liner (kg/m <sup>3</sup> )	Specific gravity of crown liner (kg/m <sup>3</sup> )	Specific gravity of chin guard (kg/m <sup>3</sup> )
XS	40	65	30	80
S	40	65	30	80
M	40	65	30	80
L	50	80	40	80
XL	50	80	40	80
XXL	50	80	40	80

	Type	FG-102SV
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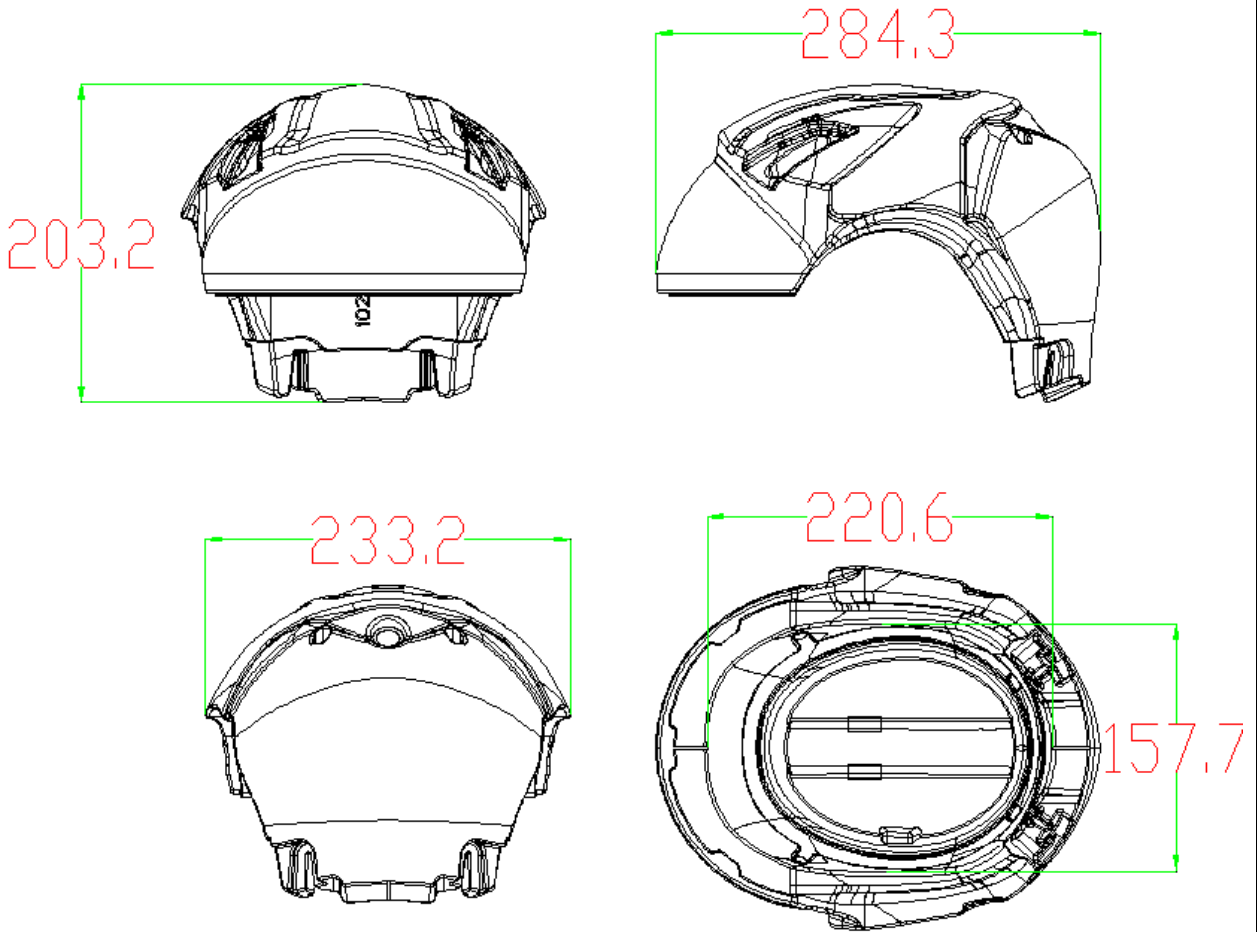
**DRW.**

**FG-102SV-03  
for L-XXL**

**EPS details**

	Type	FG-102SV
	Page	12 of 30

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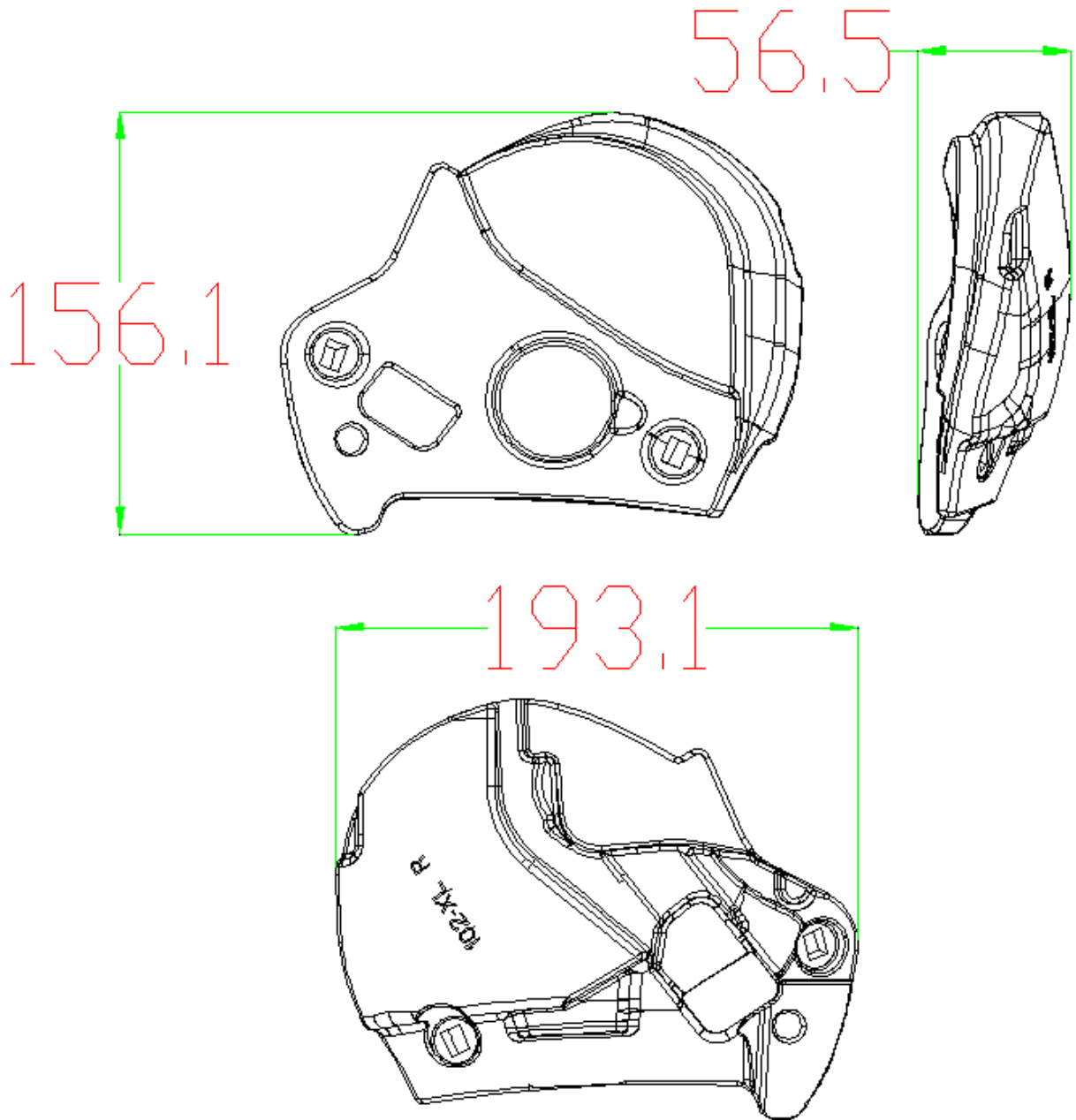


DRW.

FG-102SV-03  
for XS-M

EPS details

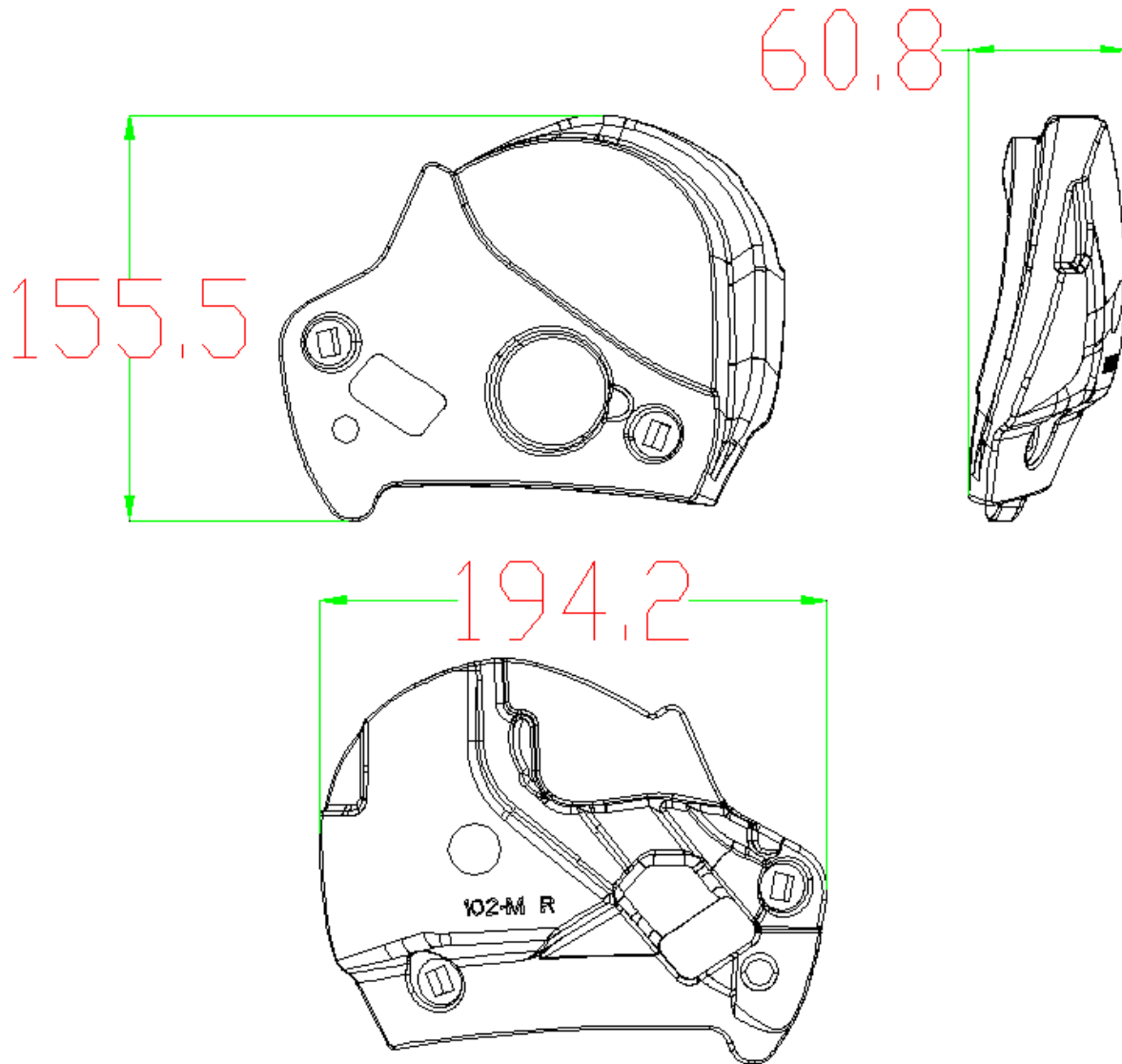
	Type	FG-102SV
	Page	13 of 30



DRW.	FG-102SV-03 for L-XXL	EPS details
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	Type	FG-102SV
	Page	14 of 30

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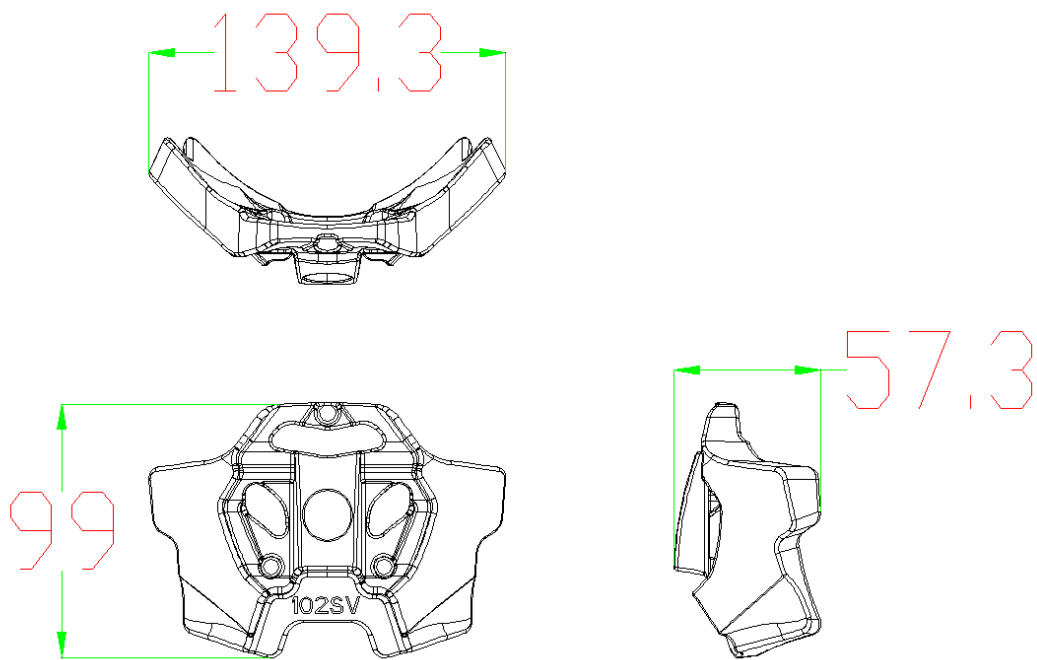
**DRW.**

**FG-102SV-03  
for XS-M**

**EPS details**

	Type	FG-102SV
	Page	15 of 30

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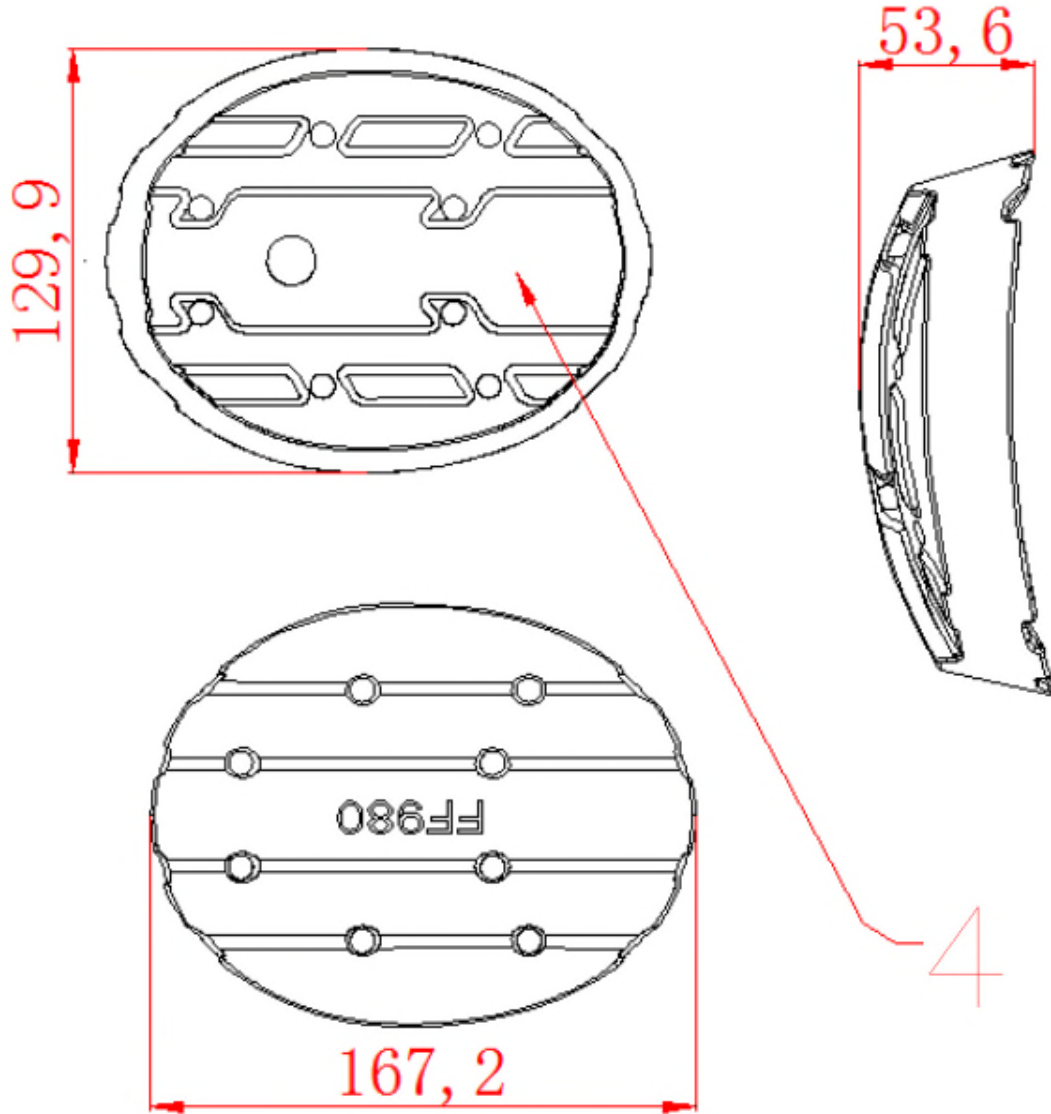


**DRW.**

**FG-102SV-03  
for XS-XXL**

**EPS details**

	Type	FG-102SV
	Page	16 of 30

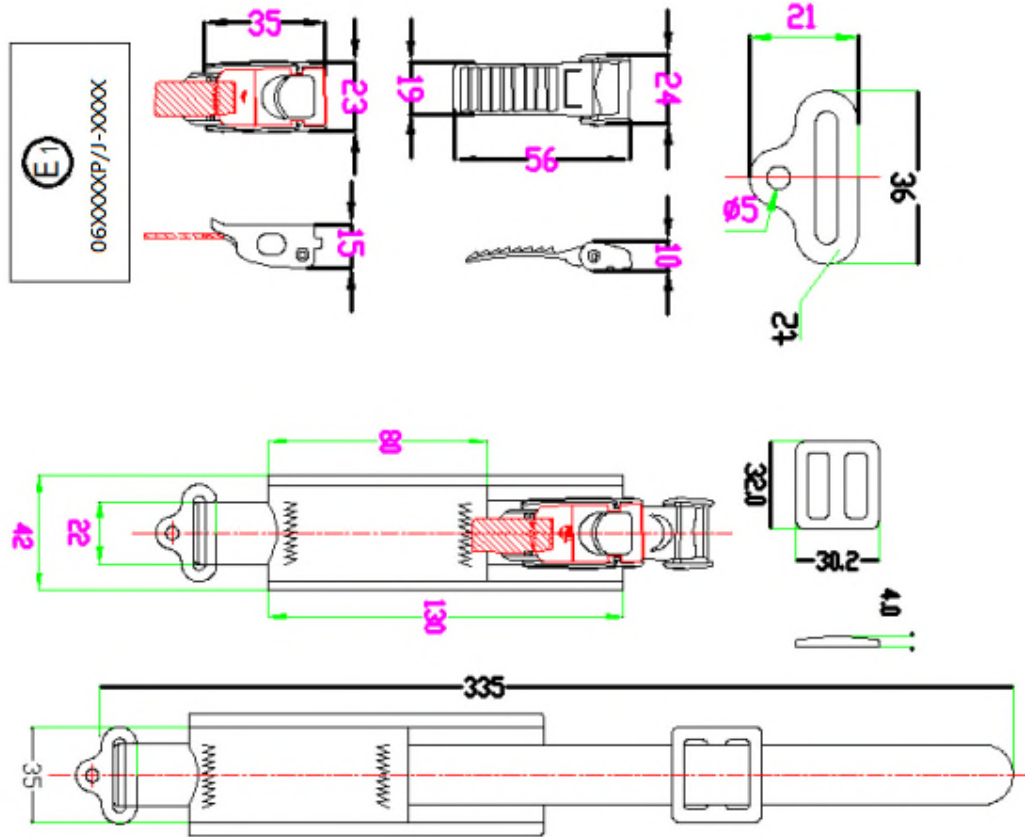


Remark: the crown padding is as the same as the existing model named FF980, whom molding code is FF980.

DRW.	FG-102SV-03 for XS-XXL	EPS details
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	Type	FG-102SV
	Page	17 of 30

R22 E1\*22R06/02\*300989\*02

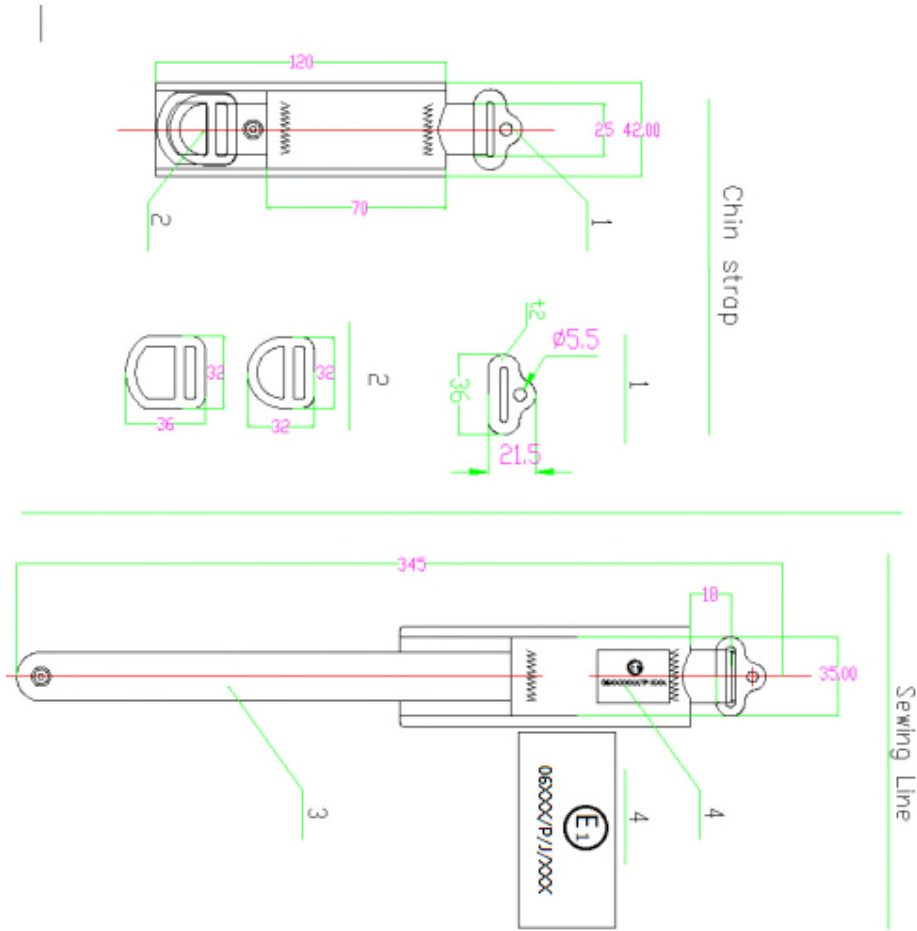


**Remark:**

The retention system is the same system used in helmet type: 910SV, which approved mark.: E1 22R 05300832

Part No.	Subject or name	Material
1	Quick Release Buckle	Polycarbonate + Steel
2	Sewing Line	Nylon
3	Chin strap	Nylon
	<b>DRW.</b>	<b>FG-102SV-04</b>
		<b>Retention system</b>

	Type	FG-102SV
	Page	18 of 30



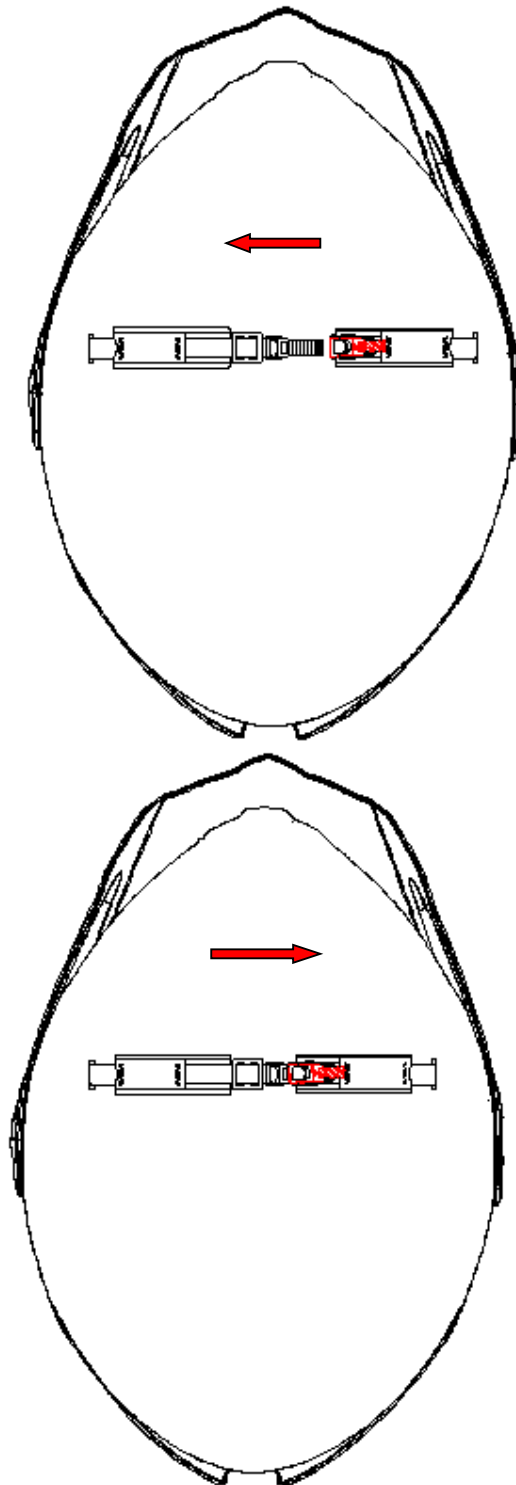
**Remark:**

The retention system is the same system used in helmet type: 910SV, which approved mark.: E1 22R 05300832

Part No.	Subject or name	Material
1	Double "D" Ring	Steel
2	Sewing Line	Nylon
3	Chin strap	Nylon
	<b>DRW.</b>	<b>FG-102SV-04</b>
		<b>Retention system</b>

	Type	FG-102SV
	Page	19 of 30

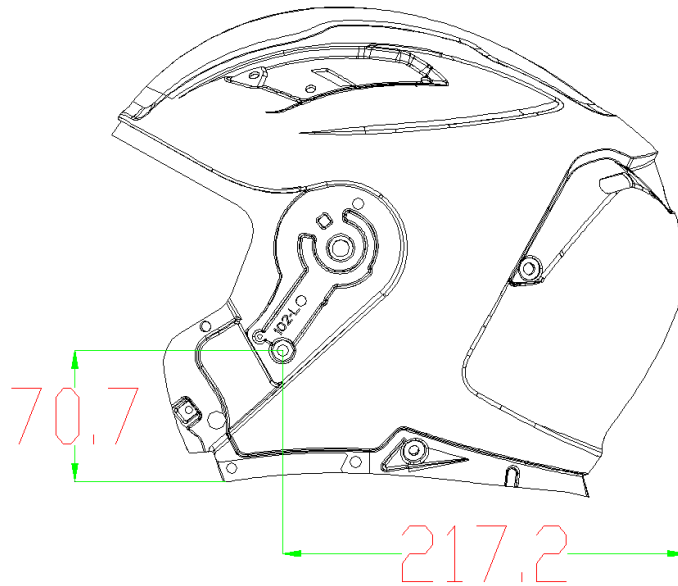
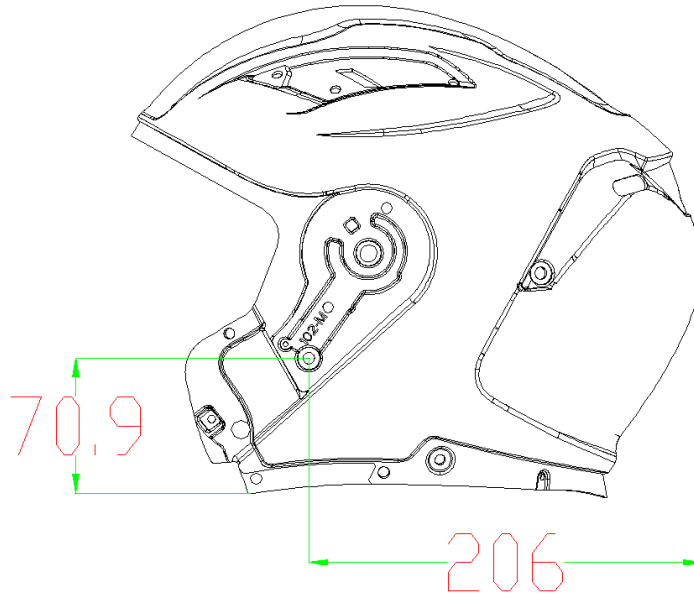
R22 E1\*22R06/02\*300989\*02



DRW.	FG-102SV-05	Retention system, chin strap operation
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	Type	FG-102SV
	Page	20 of 30

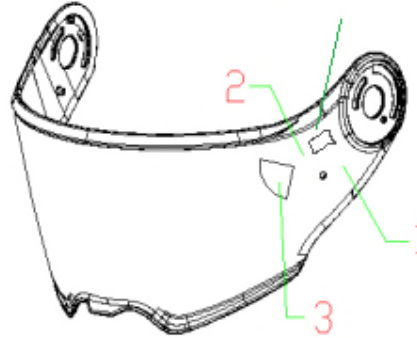
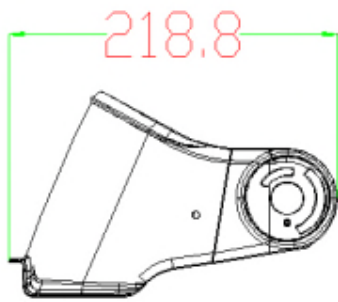
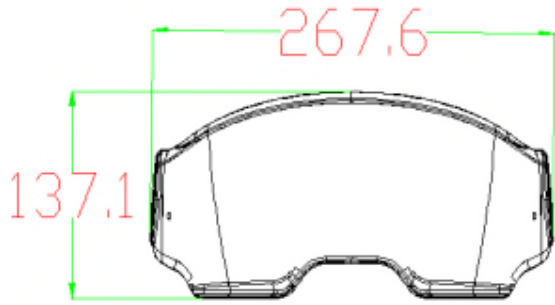
R22 E1\*22R06/02\*300989\*02



DRW.	FG-102SV-06	Retention system, position details
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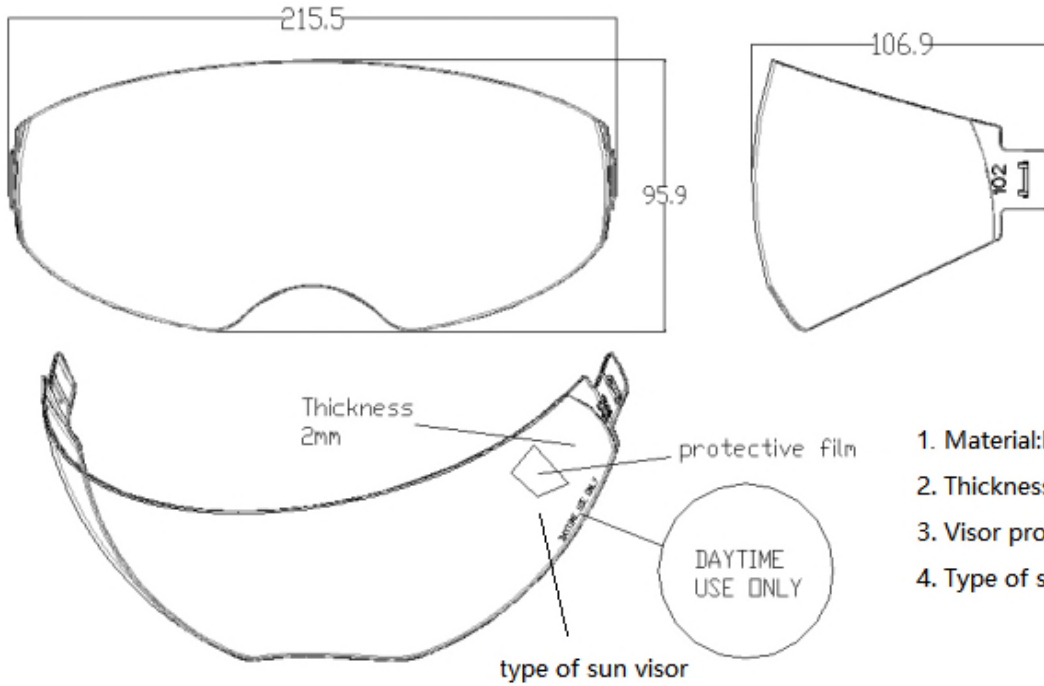


- 1 Material : PC
- 2 Thickness : 2mm
- 3 Visor protective film
- 4 ECE marking

DRW.	FG-102SV-07	Drawing and details for visor
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	Type	FG-102SV
	Page	22 of 30

R22 E1\*22R06/02\*300989\*02

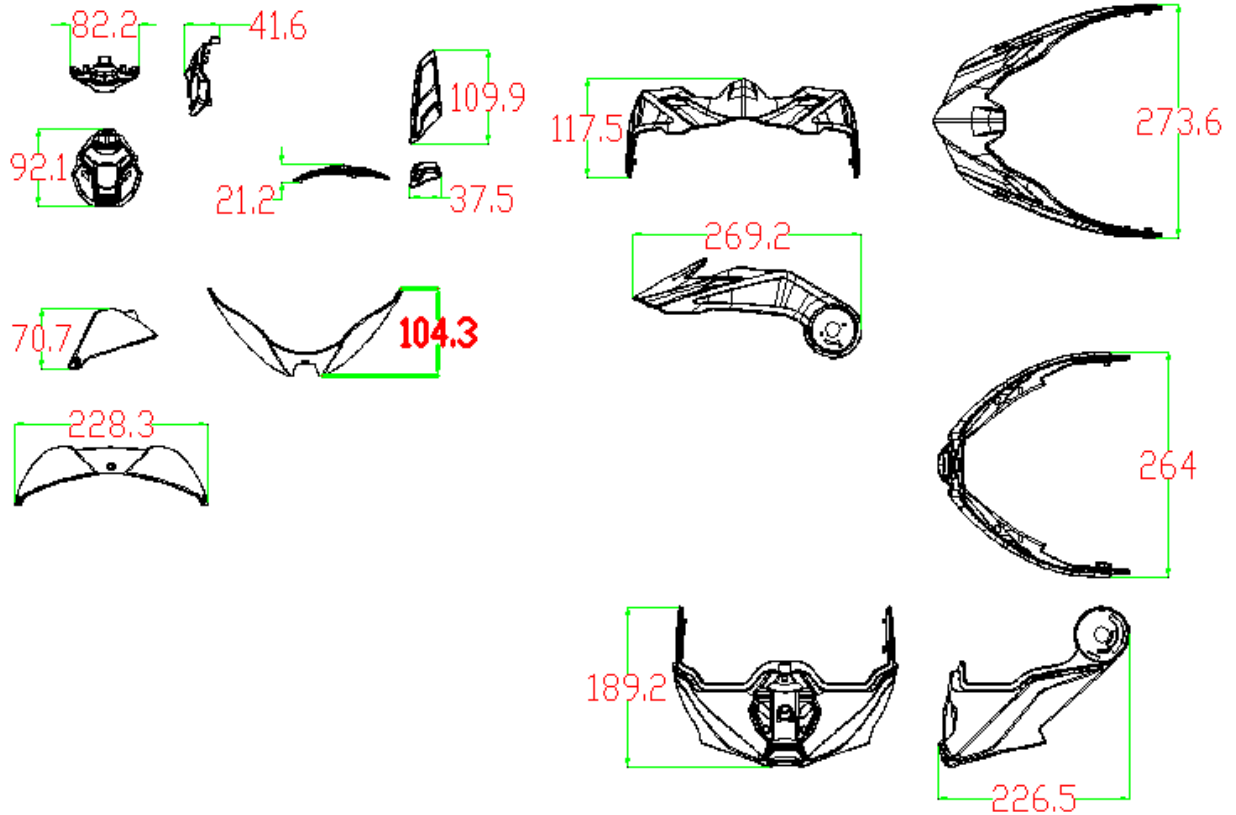


- 1. Material:PC
- 2. Thickness:2mm
- 3. Visor protective film
- 4. Type of sun visor 102S

DRW.	FG-102SV-08	Drawing and details for Sun Shield
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	Type	FG-102SV
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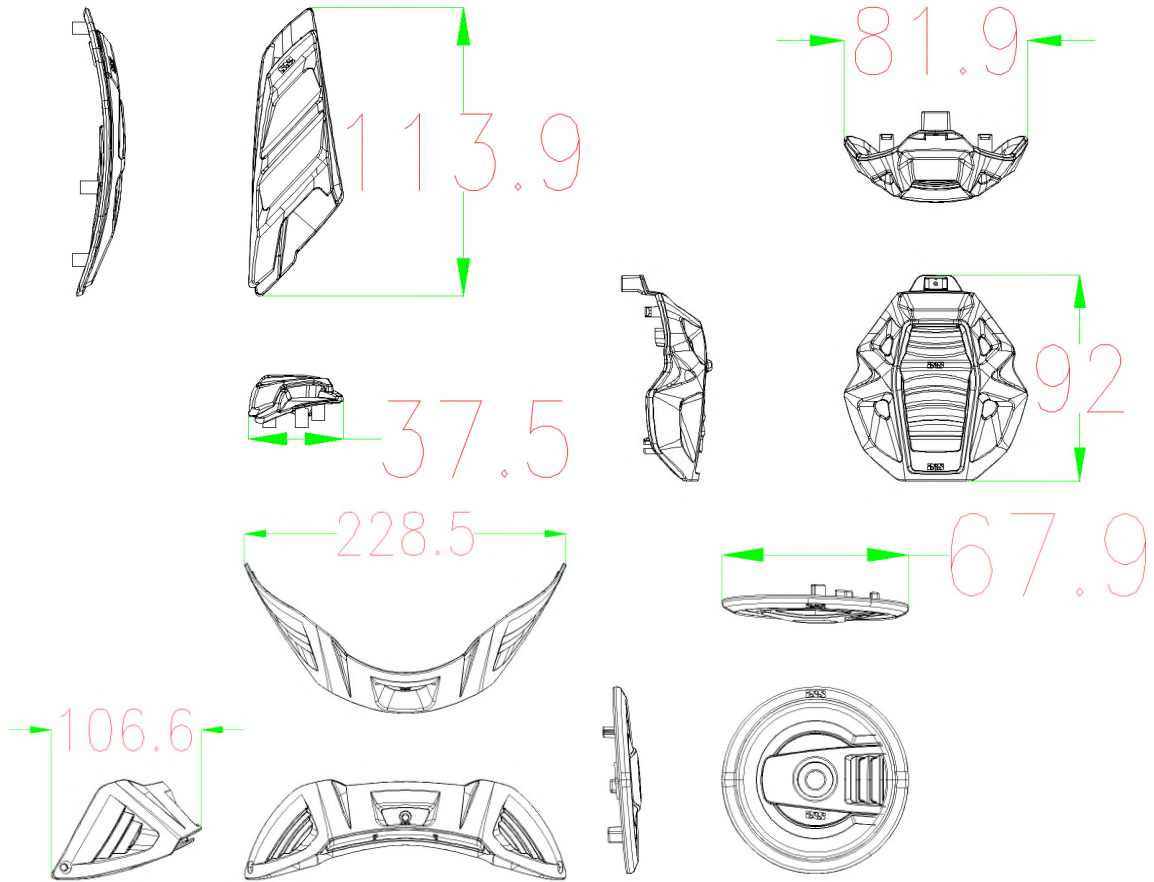
R22 E1\*22R06/02\*300989\*02



<b>DRW.</b>	<b>FG-102SV-09</b>	<b>Accessories</b> Version 1
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	Type	FG-102SV
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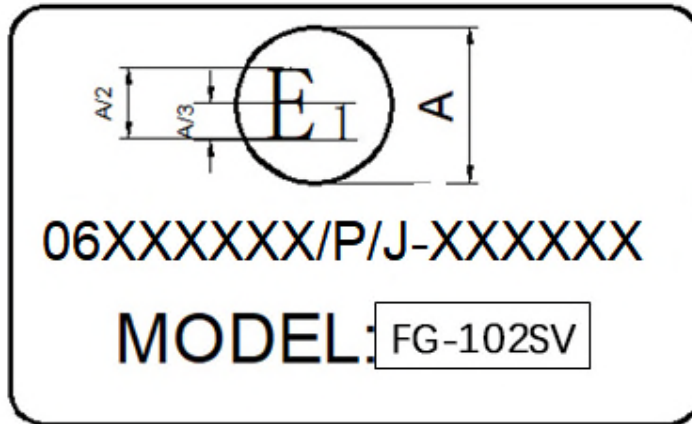
R22 E1\*22R06/02\*300989\*02



R22 E1\*22R06/02\*300989\*02

DRW.	FG-102SV-09	<b>Accessories</b> <u>Version 2</u>
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	Type	FG-102SV
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**A = 8**

**HELMET TYPE:** FG-102SV

**COLOR OF LABEL: WHITE**

**COLOR OF PRINT: BLACK**

**MATERIAL OF LABEL: CLOTH**

<b>DRW.</b>	<b>FG-102SV-10</b>	<b>Approval marking(s)</b>
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	Type	FG-102SV
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R22 E1\*22R06/02\*300989\*02

Front view



Back view



Side view



Top view



DRW.

FG-102SV-11

**Helmet assembly pictures  
(P configuration)  
Version 1**

Type FG-102SV

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Front view



Back view



Side view



Top view



DRW.

FG-102SV-12

Helmet assembly pictures  
(J configuration)  
Version 1

Type FG-102SV

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R22 E1\*22R06/02\*300989\*02

Front view



Back view



Side view



Top view



**DRW.**

**FG-102SV-13**

**Helmet assembly pictures  
(P configuration)  
Version 2**

Type FG-102SV

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R22 E1\*22R06/02\*300989\*02

Front view



Back view



Side view



Top view



**DRW.**

**FG-102SV-14**

**Helmet assembly pictures  
(J configuration)  
Version 2**

Type FG-102SV

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