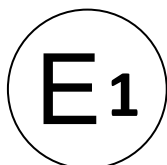




Kraftfahrt-Bundesamt

DE-24932 Flensburg



MITTEILUNG

ausgestellt von:

Kraftfahrt-Bundesamt

über die Erteilung 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 granting 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*301029*00**

Approval number:

1. Fabrik- oder Handelsmarke:
Trade name or mark:
YOHE, ONEAL , MT,V HELMETS, RAPIDO, DAYTONA, SEDICI, BiLT, X-KOV, Ultimate Speed, iXS, Bogotto, moTo ELEVEN, BIEFFE, SPYDER, SPY, Nomad, Novic, DESERT FOX, Maxx, ACERBIS, REAL, ROXAR, PUNTO EXTREMO, GP23, INTENSE, DH, CMS, VIPER, AXXIS, CGM, PREMIER, TIMELESS, CASTLEX, FULMER, Y, HEVO, BLACK, NOX, KOKPIT, ZORAX,130R, CURVE, COURSE, RAJYS, A1, ALL ONE, SHAFT, SHAFTPRO, LOGAN, street racer, street&steel, CNELL, PRO MAX
2. Typ:
Type:
FF935SV
3. Größen:
Sizes:
XS 53-54, S 55-56, M 57-58, L 59-60, XL 61-62, XXL 63-64
4. Name des Herstellers:
Manufacturer's name:




Kraftfahrt-Bundesamt

DE-24932 Flensburg

2

Genehmigungsnummer: **E1*22R06/02*301029*00**

Approval Number:

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 Gesichtsabdeckung (P/J)**
 Helmet with removable lower face cover (P/J)
10. Visiertyp oder Visiertypen:
 Type of visor or visors:
 935V (E1 R22 06301031)
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
13. In der Helmhomologation enthaltenes Zubehör und Funktionalität:
 Accessories included in the helmet homologation and functionality:
 Entfällt
 Not applicable



Kraftfahrt-Bundesamt

DE-24932 Flensburg

3

Genehmigungsnummer: **E1*22R06/02*301029*00**

Approval Number:

14. Wenn UA-Helm:
If UA helmet:
Entfällt
Not applicable
15. Zur Genehmigung vorgelegt am:
Submitted for approval on:
11.07.2023
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:
30.06.2023
18. Nummer des Gutachtens des Technischen Dienstes:
Number of report issued by that service:
85-R22-731/23-00
19. Bemerkung(en):
Remark(s):
Handelsbezeichnung(en):
General commercial description(s):
935SV, iXS301, GENESIS, CX935, COMBI, FU935SV,
FU935, FLAKE, N960, PIONEER, ZOR-838, Safari
20. Die Genehmigung wird **erteilt**
Approval is **granted**



Kraftfahrt-Bundesamt

DE-24932 Flensburg

4

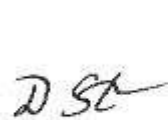
Genehmigungsnummer: **E1*22R06/02*301029*00**

Approval Number:

21. Ort: **DE-24932 Flensburg**
Place:

22. Datum: **14.07.2023**
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

Zu: **E1*22R06/02*301029*00**

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:



2. Datum der Anfangsbewertung:

Date of the initial assessment:

26.01.2010

3. Datum aller durchgeführten Überwachungstätigkeiten:

Date of any surveillance activities:

Aktenzeichen

Datum der Begehung

Genehmigungsnummer

Register number

Date of inspection

Approval number

CoP-Q:

Q-500614

22.11.2016

CoP-P:

P-501929

10.10.2018

05300567, Erweiterung 01

P-504002

19.05.2022

E1*22R05/03*300797*01



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: **E1*22R06/02*301029*00**

To:

Inhaltsverzeichnis zu den Beschreibungsunterlagen Index to the information package

Ausgabedatum: **14.07.2023**

Date of issue:

Letztes Änderungsdatum: --

Last date of amendment:

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

Prüfbericht(e) Nr.:

Test report(s) No.:

85-R22-731/23-00

Datum:

Date:

30.06.2023

Beschreibungsbogen Nr.:

Information document No.:



Datum:

Date:

22.05.2023

Liste der Änderungen:

List of modifications:

Entfällt

Not applicable

Datum:

Date:



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nummer der Genehmigung: **E1*22R06/02*301029*00**

- 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

2

Approval No.: **E1*22R06/02*301029*00**

- 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 : FF935SV

Manufacturer :



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

Approval Status

UN-approval : E1*22R06/02*301029*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 : FF935SV

Manufacturer :

**0. General information**

0.1. Make (trade name of the manufacturer) : YOHE, ONEAL , MT,V HELMETS, RAPIDO, DAYTONA, SEDICI, BiLT, X-KOV, Ultimate Speed, iXS, Bogotto, moTo ELEVEN, BIEFFE, SPYDER, SPY, Nomad, Novic, DESERT FOX, Maxx, ACERBIS, REAL, ROXAR, PUNTO EXTREMO, GP23, INTENSE, DH, CMS, VIPER, AXXIS, CGM, PREMIER, TIMELESS, CASTLEX, FULMER, Y, HEVO, BLACK, NOX, KOKPIT, ZORAX,130R, CURVE, COURSE, RAJYS, A1, ALL ONE, SHAFT, SHAFTPRO, LOGAN, street racer, street&steel, CNELL, PRO MAX

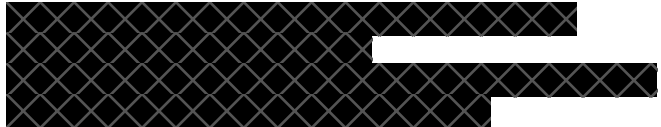
0.2. Type : FF935SV

Commercial description(s) : 935SV, iXS301, GENESIS, CX935, COMBI, FU935SV, FU935, FLAKE, N960, PIONEER, ZOR-838, Safari

Version(s) : ---

0.3. Helmet category : see appendix L, item 9

0.4. Name and address of the manufacturer :



0.5. No. of the information document :



Date of issue : May 22, 2023

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, pretested~~

R22 E1*22R06/02*301029*00

Type : FF935SV

Manufacturer :



- 1.2. Worst case configuration : No worst case assessment required (only one variant/version or no variants/versions)
- ~~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
- Test date : May 23 - June 09, 2023
- 2.4. Remarks : without

Type : FF935SV

Manufacturer :

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 :  (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, June 30, 2023

KWU / CGC



Kevin Wu

Technical Expert Technical Service

Type : FF935SV

Manufacturer : 

List of modifications

Appendix 0

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

R22 E1*22R06/02*301029*00

Type : FF935SV

Manufacturer :



Communication concerning the type approval

Appendix L

- 1 Trade mark : YOHE, ONEAL , MT,V HELMETS, RAPIDO, DAYTONA, SEDICI, BiLT, X-KOV, Ultimate Speed, iXS, Bogotto, moTo ELEVEN, BIEFFE, SPYDER, SPY, Nomad, Novic, DESERT FOX, Maxx, ACERBIS, REAL, ROXAR, PUNTO EXTREMO, GP23, INTENSE, DH, CMS, VIPER, AXXIS, CGM, PREMIER, TIMELESS, CASTLEX, FULMER, Y, HEVO, BLACK, NOX, KOKPIT, ZORAX, 130R, CURVE, COURSE, RAJYS, A1, ALL ONE, SHAFT, SHAFTPRO, LOGAN, street racer, street&steel, CNELL, PRO MAX
- 2 Type : FF935SV
- Commercial description(s) : 935SV, iXS301, GENESIS, CX935, COMBI, FU935SV, FU935, FLAKE, N960, PIONEER, ZOR-838, Safari
- Versions(s) : ---
- 3 Sizes : XS 53-54, S 55-56, M 57-58, L 59-60, XL 61-62, XXL 63-64
- 4 Manufacturer's name : 
- 5 Address of manufacturer : 
- 6 If applicable, name of manufacturer's representative : not applicable
- 7 Address of manufacturer's representative : not applicable
- 8 Brief description of helmet : The integral-faced / ~~Jet helmet~~ FF935SV is composed of ABS shell (Acrylonitrile-Butadiene-Styrene).
- 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 done by different sizes of shells, 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 sun shield type: 935S is tinted, made of Polycarbonate (PC), and a thickness of 1.5 mm.
- 9 Helmet category : with detachable or movable lower face cover (P/J)
- 10 Type of visor or visors : 935V (E1*22R06/02*301031*00)
- 11 Brief description of visor or visors, and inner visor if any : 935V: Clear visor, made of Polycarbonate (PC) with hardened coating on the surface, and a thickness of 2.0 mm.

Type : FF935SV

Manufacturer :



12	Helmet ready for	:	not applicable Specific accessory (SA)/ Universal accessories(UA)
13	Accessories included in the helmet homologation and functionality	:	not applicable
14	If UA helmet	:	not applicable speakers (S or S45)/Microphone (M)/Front mounting (F) / Side mounting (L), Rear mounting (R)
15	Submitted for approval on	:	May 22, 2023
16	Technical service responsible for conducting approval tests	:	Technischer Dienst der TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein, 51105 Cologne, Germany
17	Date of report issued by that service	:	June 30, 2023
18	Number of report issued by that service	:	85-R22-731/23-00
19	Comments	:	---
20	Approval	:	Granted / extended / refused / withdrawn

R22 E1*22R06/02*301029*00

Type : FF935SV

Manufacturer :



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) | : refer Appendix L, item 8 |
| 3 | Lower face cover
(6.2.2.) | : refer Appendix L, item 9 |
| 4 | Helmet with accessories
(6.3) | : Not applicable |
| 4.1 | Helmet with universal accessories
(6.3.1) | : Not applicable |
| 4.2 | Helmet with specific accessories
(6.3.2) | : Not applicable |
| 5 | Protection areas
(6.4) | : The shell and padding of the helmets of each size cover the required areas. |
| 6 | Hearing ability and temperature
(6.5) | : The wearer's ability to hear is not dangerously affected by the helmet.

The temperature in the space between the head and the shell is not rise inordinately |
| 7 | 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. |
| 8 | Inner projections
(6.8) | : No inward facing sharp edges. All internal parts are covered with padding. |
| 9 | 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. |
| 10 | Retention system | |
| 10.1 | Abrasion protection
(6.10) | : The wearer is protected from abrasion by the retention system |

Type : FF935SV

Manufacturer :



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)	: The lower face cover complies with the requirements of the regulation: - Device maintains intended position during tests - Incorrect handling is impossible - Control / actuating device is red Helmet complies with requirements of category "J" and "P"
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	Sun shield	
15.1	General (6.17.1)	: The sun shield does not affect the visor in any way. The sun shield is controlled separately from the visor.
15.2	Field of Vision (6.17.2)	: Complies with the requirements of the regulation, see also test results: - Field of Vision - Luminous transmittance - No defects impairing vision - No noticeable distortion

Type : FF935SV**Manufacturer** : 

- Spectral transmittance
- Reflective power values

16 Conspicuity marking (6.18) : The helmet is optionally equipped with retroreflective parts.

The retroreflective parts comply with the requirements of the regulation:

- Dimensions and locations
- Colorimetric
- Photometric
- Resistance to external agent
- Compatibility of materials

17 Accessories (6.19) : Not applicable

18 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 UN-R 22 is given by the owner's manual. It has to always be enclosed to the offered helmet.

R22 E1*22R06/02*301029*00

Type : FF935SV**Manufacturer** : 

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	45

R22 E1*22R06/02*301029*00

Type : FF935SV

Manufacturer :



7.3. Impact-absorption-tests

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

P configuration:

helmet size : S 55-56
 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	167	1092
	X	225	1877
	P	190	1795
	R	143	998
	S	108	330
Helmet 2 High Temp. (+50°C)	B	161	1063
	X	175	1278
	P	173	1176
	R	130	946
	S	---	---

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

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 3 Low Temp. (-10°C)	B	159	1231
	X	193	1518
	P	198	1897
	R	194	1680
	S	107	322
Helmet 4 High Temp. (+50°C)	B	123	883
	X	208	1272
	P	233	1587
	R	138	996
	S	---	---

Type : FF935SV

Manufacturer :



helmet size : M 57-58
 test-head-size : 575
 anvil : Flat (Helm. 5), Kerbstone (Helm. 6), Kerbstone (Helm. 7)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 5 Ambient	B	160	1270
	X	229	1776
	P	196	1703
	R	189	1616
	S	---	---
Helmet 6 Ambient	B	116	830
	X	163	1123
	P	185	1355
	R	151	1143
	S	---	---
Helmet 7 Artificial ageing	B	121	842
	X	189	1196
	P	209	1591
	R	159	1310
	S	---	---

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	176	1250
	X	225	1795
	P	191	1310
	R	158	1198
	S	125	507
Helmet 9 High Temp. (+50°C)	B	118	836
	X	139	929
	P	154	1043
	R	131	924
	S	---	---

Type : FF935SV

Manufacturer :



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	165	1240
	X	204	1528
	P	189	1170
	R	154	1083
	S	120	417
Helmet 11 High Temp. (+50°C)	B	134	874
	X	188	1169
	P	149	1014
	R	121	755
	S	---	---

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	163	1288
	X	228	1787
	P	182	1373
	R	152	1227
	S	---	---
Helmet 13 Ambient	B	120	839
	X	161	1107
	P	143	1015
	R	136	965
	S	---	---
Helmet 14 Artificial ageing	B	168	1269
	X	204	1543
	P	169	1225
	R	159	1202
	S	---	---

Type : FF935SV

Manufacturer :



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	98	406
	X	224	1821
	P	188	1387
	R	144	1087
	S	---	---
Helmet 16 High Temp. (+50°C)	B	68	222
	X	143	941
	P	130	904
	R	119	837
	S	---	---

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	115	503
	X	224	1891
	P	188	1205
	R	172	1318
	S	---	---
Helmet 18 High Temp. (+50°C)	B	63	226
	X	133	812
	P	205	1012
	R	139	859
	S	---	---

Type : FF935SV

Manufacturer :



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	136	765
	X	161	945
	P	146	1141
	R	160	1136
	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	100	521
	X	116	597
	P	112	496
	R	93	440
	S	---	---

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	66	153
	X	164	889
	P	151	873
	R	129	756
	S	---	---

Type : FF935SV

Manufacturer :



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	175	1543
	X	257	2286
	P	223	2158
	R	197	1960
	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	201	1731
	X	239	1994
	P	190	1498
	R	180	1623
	S	---	---

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	95	476
	X	233	1821
	P	187	1569
	R	166	1424
	S	---	---

Type : FF935SV

Manufacturer :



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	BXR	169	1232
	RXPR	174	1465
	RXL	189	1620
	BXPL	186	1691

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

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 26 Ambient	BXL	154	1038
	RXPL	150	1018
	RXR	124	900
	BXPR	126	901

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

All values are within the limits of the regulation.

J configuration:

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

Type : FF935SV

Manufacturer :
 

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	20	6
	transversal	12	4
XXL 63-64	longitudinal	13	4
	transversal	9	3

J configuration:

Helmet Size	Direction	Deformation [mm] (max. 40 mm)	Permanent deformation [mm] (max. 15 mm)
XXL 63-64	longitudinal	26	11
	transversal	13	4

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Type : FF935SV

Manufacturer :



7.6. Dynamic test of the retention system

All values are within the limits of the regulation.

P configuration:

With buckle:

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
XS 53-54	535	28.1	8.2	--
L 59-60	605	25.7	9.1	--

With DD Ring:

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
XS 53-54	535	28.4	11.3	--
L 59-60	605	25.2	8.6	--

J configuration:

With buckle:

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
L 59-60	605	26.0	8.9	--

With DD Ring:

Helmet Size	Headsize	dyn.movement [mm] (max. 35 mm)	stat.movement [mm] (max.25 mm)	Remarks
L 59-60	605	24.1	8.6	--

Type : FF935SV

Manufacturer :
 

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

P configuration:

With buckle:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	24	Front to rear
L 59-60	605	12	Front to rear

With DD Ring:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	17	Front to rear
L 59-60	605	11	Front to rear

J configuration:

With buckle:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	12	Front to rear

With DD Ring:

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

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Type : FF935SV

Manufacturer :

7.7.3./4. Retention (detaching) test

[Falling mass]

All values are within the limits of the regulation.

P configuration:

With buckle:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	15	Rear to front
L 59-60	605	22	Rear to front

With DD Ring:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
XS 53-54	535	21	Rear to front
L 59-60	605	19	Rear to front

J configuration:

With buckle:

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

With DD Ring:

Helmet Size	Headsizes	angle of movement [°] (max. 30°)	Remarks
L 59-60	605	28	Rear to front

Type : FF935SV

Manufacturer :



7.8. Visor tests

All values are within the limits of the regulation.

Refer to visor type approval No.: E1*22R06/02*301031*00

7.9. Sun shield tests of 935S

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 τ_v (D65) ($\rightarrow 0,8$) (daytime $\rightarrow 0,35$; Sun shield: $> 0,20$)	$Q_{Red} \geq 0,8$	$Q_{Yellow} \geq 0,6$	$Q_{green} \geq 0,6$	$Q_{blue} \geq 0,6$
0.350	Pass	Pass	Pass	Pass
0.350	Pass	Pass	Pass	Pass
0.330	Pass	Pass	Pass	Pass

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

0.284
0.283
0.269

Refractive powers

		Prismatic Diff. Effect [cm/m]		
Spherical effect [m^{-1}]	Astigmatic effect [m^{-1}]	horizontal base		vertical base
		outside	inside	
$\leq \pm 0.12$	≤ 0.12	≤ 1.00	≤ 0.25	≤ 0.25
0.04	0.08	0.20	--	0.04
0.04	0.08	0.19	--	0.04
0.03	0.09	0.19	--	0.04

Type : FF935SV**Manufacturer** : 

7.10. Microslip-test of the chin strap

All values are within the limits of the regulation.

Movement:	< 5.0 mm	Limit ≤ 10 mm
-----------	----------	------------------

7.11. Test for resistance to abrasion of the chin strap

All values are within the limits of the regulation.

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.

Type : FF935SV

Manufacturer :



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.

P configuration:

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s ²]	BrIC	Remark
575	AMB	45°	FLR	M 57-58	2377	0.41	--
575	AMB	45°	Rear	M 57-58	2660	0.55	--
575	AMB	45°	LL	M 57-58	2668	0.41	--
575	AMB	45°	Front	M 57-58	4284	0.46	--
575	AMB	45°	RLR	M 57-58	3376	0.46	--
625	AMB	45°	FLR	XXL 63-64	2201	0.4	--
625	AMB	45°	Rear	XXL 63-64	1998	0.36	--
625	AMB	45°	LL	XXL 63-64	2404	0.42	--
625	AMB	45°	Front	XXL 63-64	2512	0.34	--
625	AMB	45°	RLR	XXL 63-64	3451	0.41	--

J configuration:

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s ²]	BrIC	Remark
625	AMB	45°	FLR	XXL 63-64	2075	0.33	--
625	AMB	45°	Rear	XXL 63-64	1998	0.43	--
625	AMB	45°	LL	XXL 63-64	1881	0.27	--
625	AMB	45°	Front	XXL 63-64	1112	0.18	--
625	AMB	45°	RLR	XXL 63-64	3067	0.42	--

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Type FF935SV

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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) : YOHE, ONEAL , MT,V HELMETS, RAPIDO, DAYTONA, SEDICI, BiLT, X-KOV,Ultimate Speed, iXS,Bogotto, moTo ELEVEN, BIEFFE, SPYDER, SPY, Nomad, Novic, DESERT FOX, Maxx, ACERBIS, REAL, ROXAR, PUNTO EXTREMO, GP23, INTENSE, DH, CMS, VIPER, AXXIS, CGM, PREMIER, TIMELESS, CASTLEX, FULMER, Y, HEVO, BLACK, NOX, KOKPIT, ZORAX,130R, CURVE, COURSE, RAJYS, A1, ALL ONE, SHAFT, SHAFTPRO, LOGAN,street racer, street&steel, CNELL, PRO MAX
2. Type : FF935SV
- Commercial description(s) : 935SV, iXS301, GENESIS, CX935, COMBI, FU935SV, FU935, FLAKE, N960, PIONEER, ZOR-838, Safari
- Version(s) : /
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 : 
5. Address of the manufacturer : 
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 FF935SV is composed of ABS shell (Acrylonitrile-Butadiene-Styrene).
- and / or ¹ Brief description of visor

The protective padding is made of one EPS (Expanded Poly Styrene) size liner, one EPS

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crown liner in the top area, two EPS side liners and one EPS chin liner.

The adoption to the different head sizes is done by different sizes of shells, 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: 935V (approved number: E1 06 301031), made of Polycarbonate (PC), and a thickness of 2.0 mm.

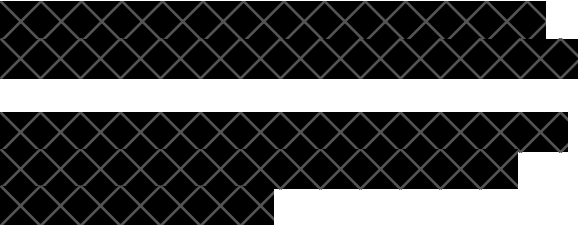
The sun shield type: 935S is tinted, made of Polycarbonate (PC), and a thickness of 1.5 mm.

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)¹~~ : P/J

Type of visor or visors : 935V

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

Name and address of assembly plant : 

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

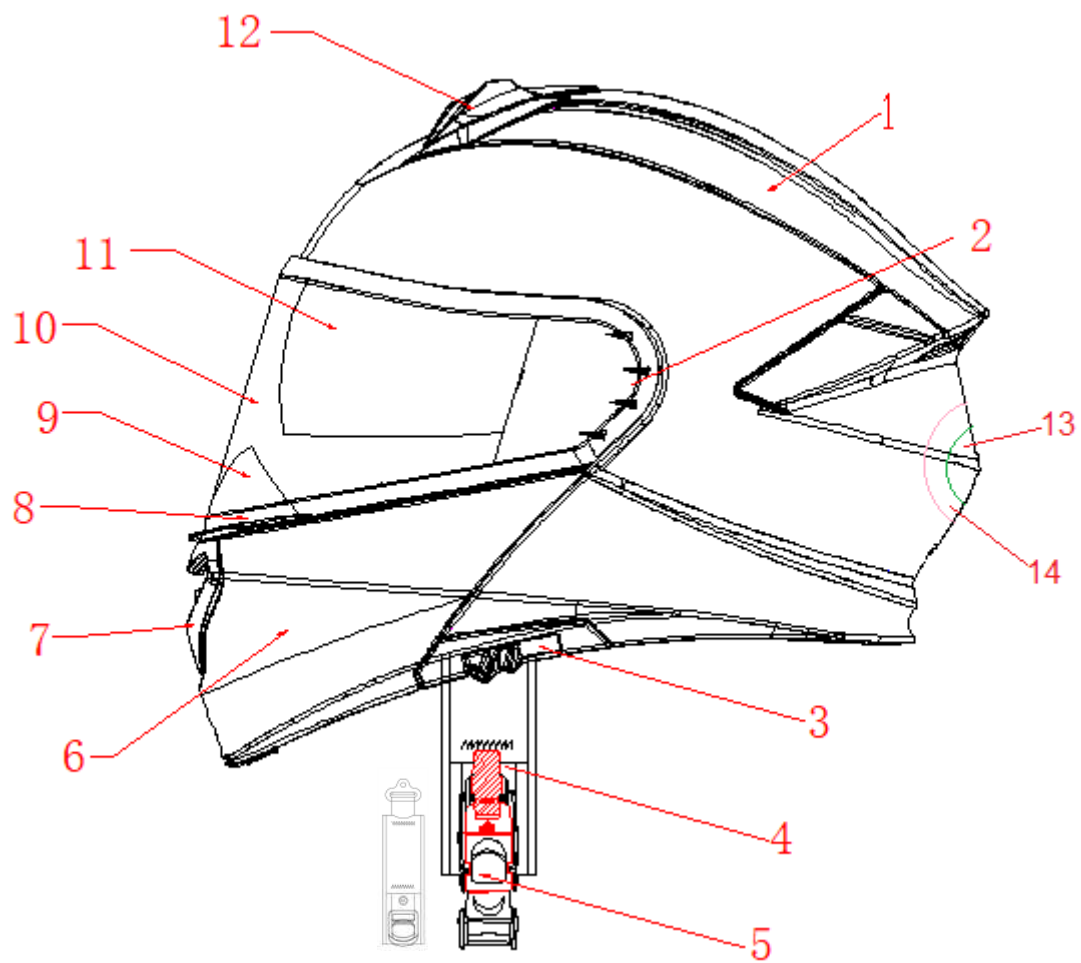
NOTE:
¹ strike through where not applicable

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Application date: May 22, 2023



DRW.

FF935SV-01

Assembly Drawing

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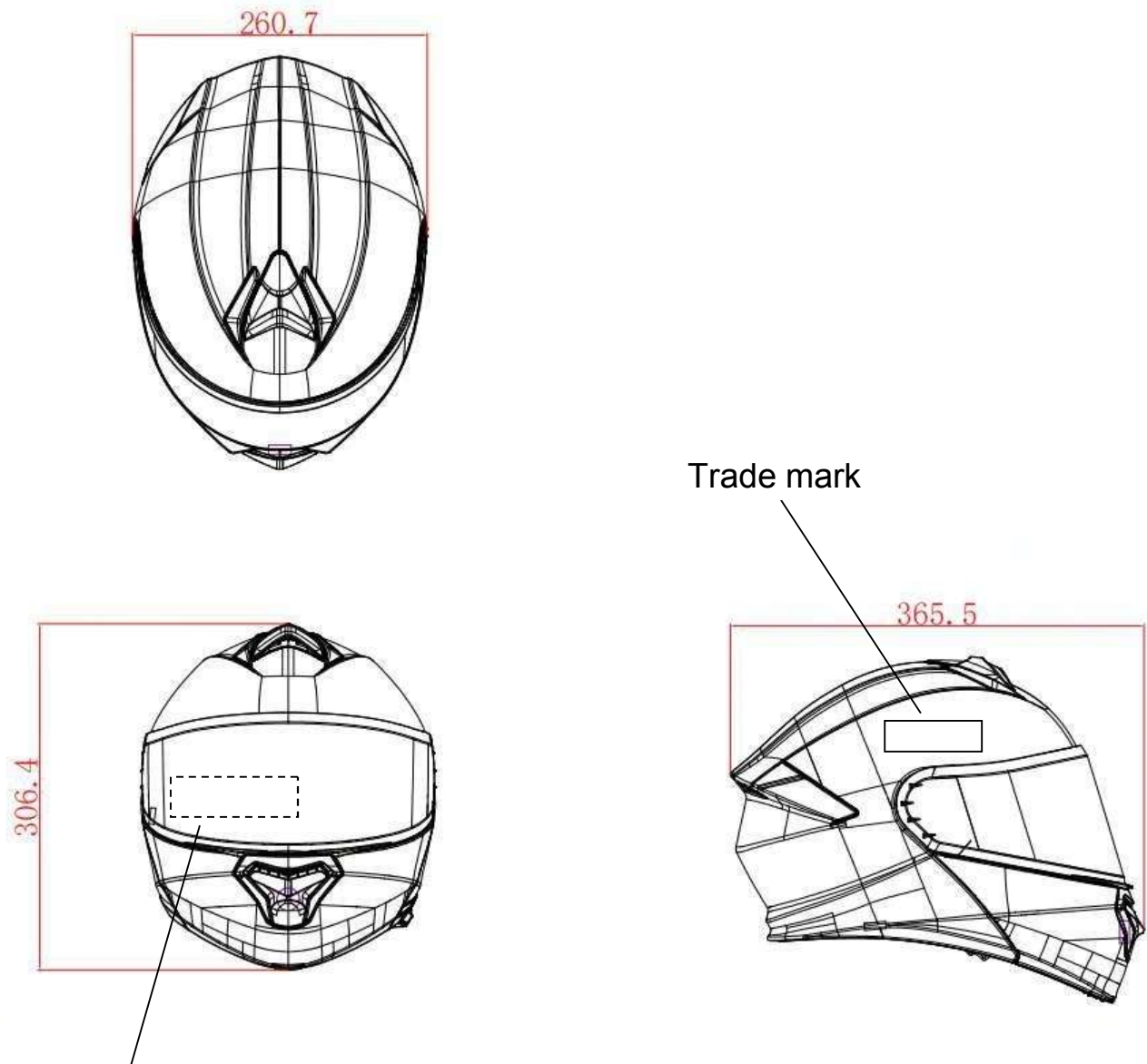
Application date: May 22, 2023

Part No.	Subject or name	Material
1	Shell	ABS
2	Lens Base	ABS
3	Switch	ABS
4	Chin Strap	Nylon
5(optional)	Chin Strap Buckle	ABS
5(optional)	Chin Strap DD ring	Steel
6	Chin Guard	ABS
7	Mouth Lower Vent	ABS
8	Lower Rubber Trim	PVC
9	Nose Guard	PE
10	Visor	PC
11	Sun shield	PC
12	Front upper vent	ABS
13	Protective Padding	EPS
14	Comfort Padding	Compound sponge and cloth

Material list of parts

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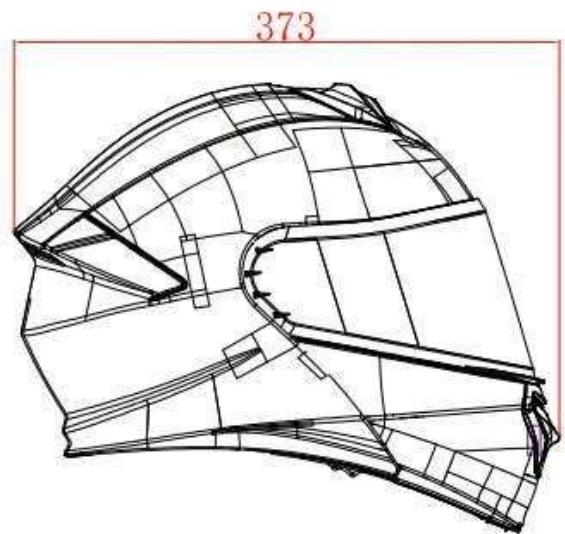
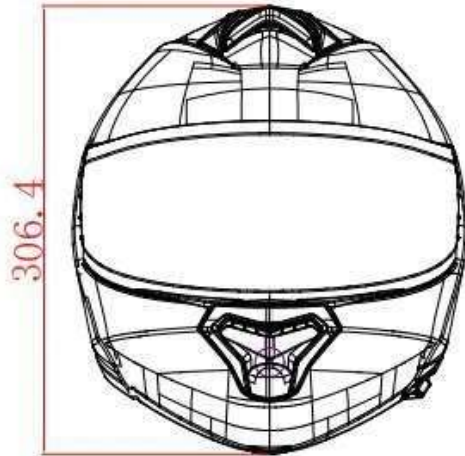
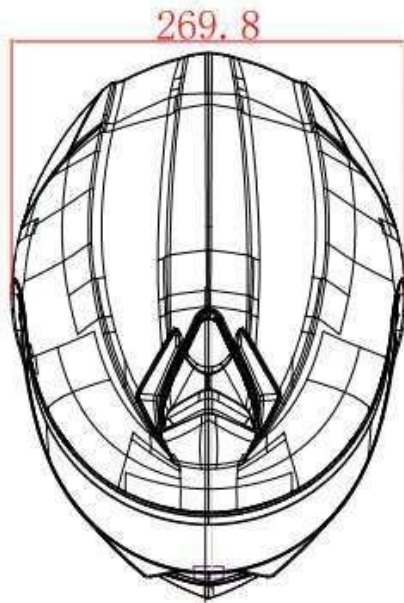
Remark: "year of production marking" is shown inside of shell.

DRW.

FF935SV-02
for XS-M

Helmet section view

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DRW.

FF935SV-02
for L-XXL

Helmet section view

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Impact absorption material thickness in millimeter, SHELL

Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Lower Face cover
XS	3.5	3.8	4.0	3.5	2.8
S	3.5	3.8	4.0	3.5	2.8
M	3.5	3.8	4.0	3.5	2.8
L	3.5	4.0	4.0	3.5	2.8
XL	3.5	4.0	4.0	3.5	2.8
XXL	3.5	4.0	4.0	3.5	2.8

Impact absorption material thickness in millimeter, LINER

Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Section S-Point
XS	39	47	57	40	39
S	39	47	57	40	39
M	42	41	41	42	42
L	37	41	35	33	37
XL	37	41	35	33	37
XXL	37	41	35	33	37

Impact absorption material thickness in millimeter, LINING

Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	Side Part Lining
XS	14	12	14	20	25
S	12	12	12	20	20
M	12	12	12	10	30
L	12	12	12	10	25
XL	10	12	10	10	20
XXL	8	12	8	5	20

Type FF935SV

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Dimension and weight

1. Dimension of the shell:

SIZE	Length (mm)	Width (mm)	Height (mm)
XS-M	365.5	260.7	306.4
L-XXL	373	269.8	306.4

2. Total weight of the helmet:

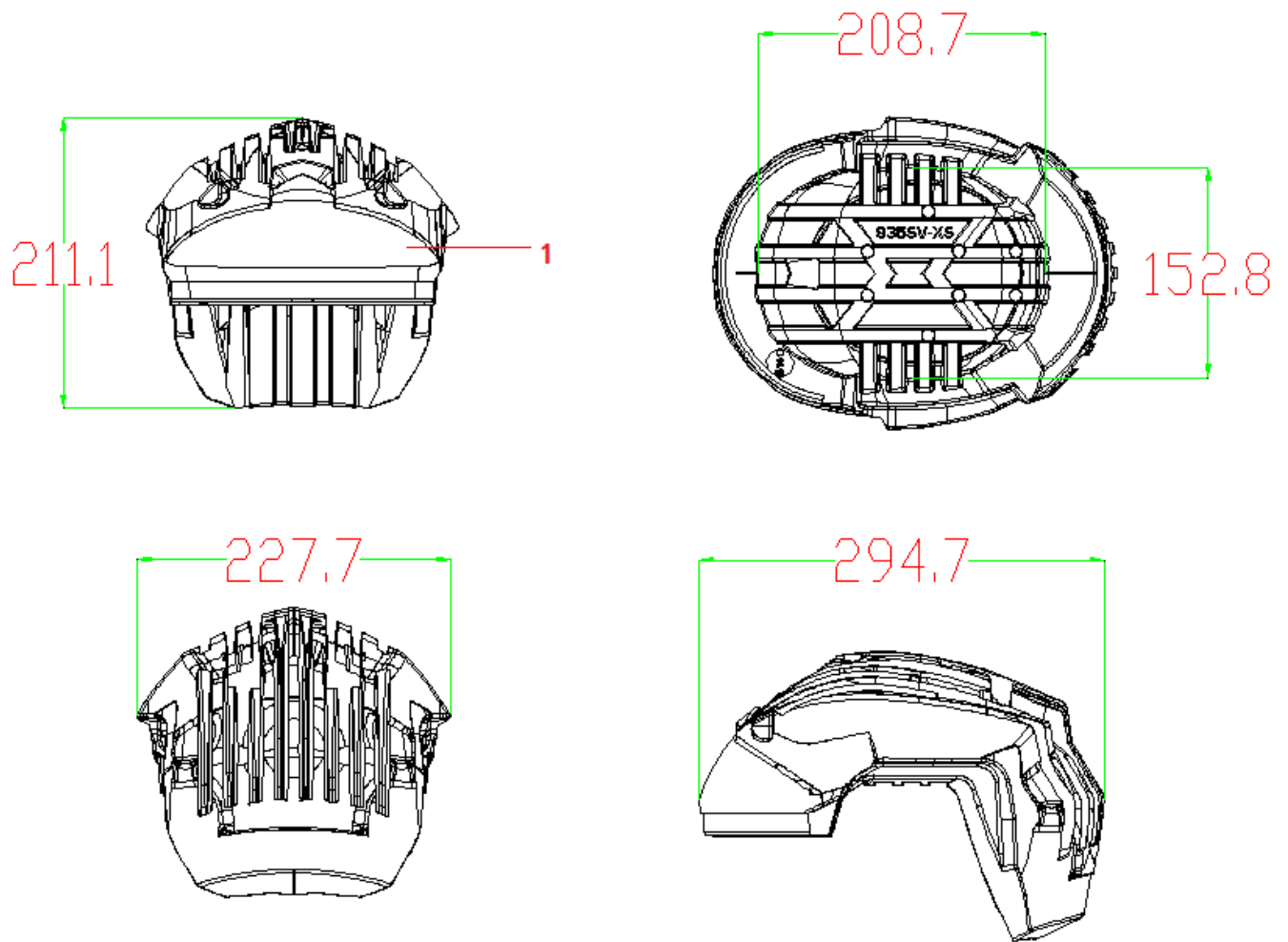
Size	Weight (g)	Tolerance (g)
XS	1580	±50
S	1580	±50
M	1580	±50
L	1700	±50
XL	1700	±50
XXL	1700	±50

3. Specific gravity of the impact absorption liner

Size	Specific gravity of size liner (kg/m ³)	Specific gravity of side liner (kg/m ³)	Specific gravity of crown liner (kg/m ³)	Specific gravity of Mouth (kg/m ³)
XS	30	60	/	80
S	30	60	/	80
M	40	60	20	80
L	45	75	20	80
XL	45	75	20	80
XXL	45	75	20	80

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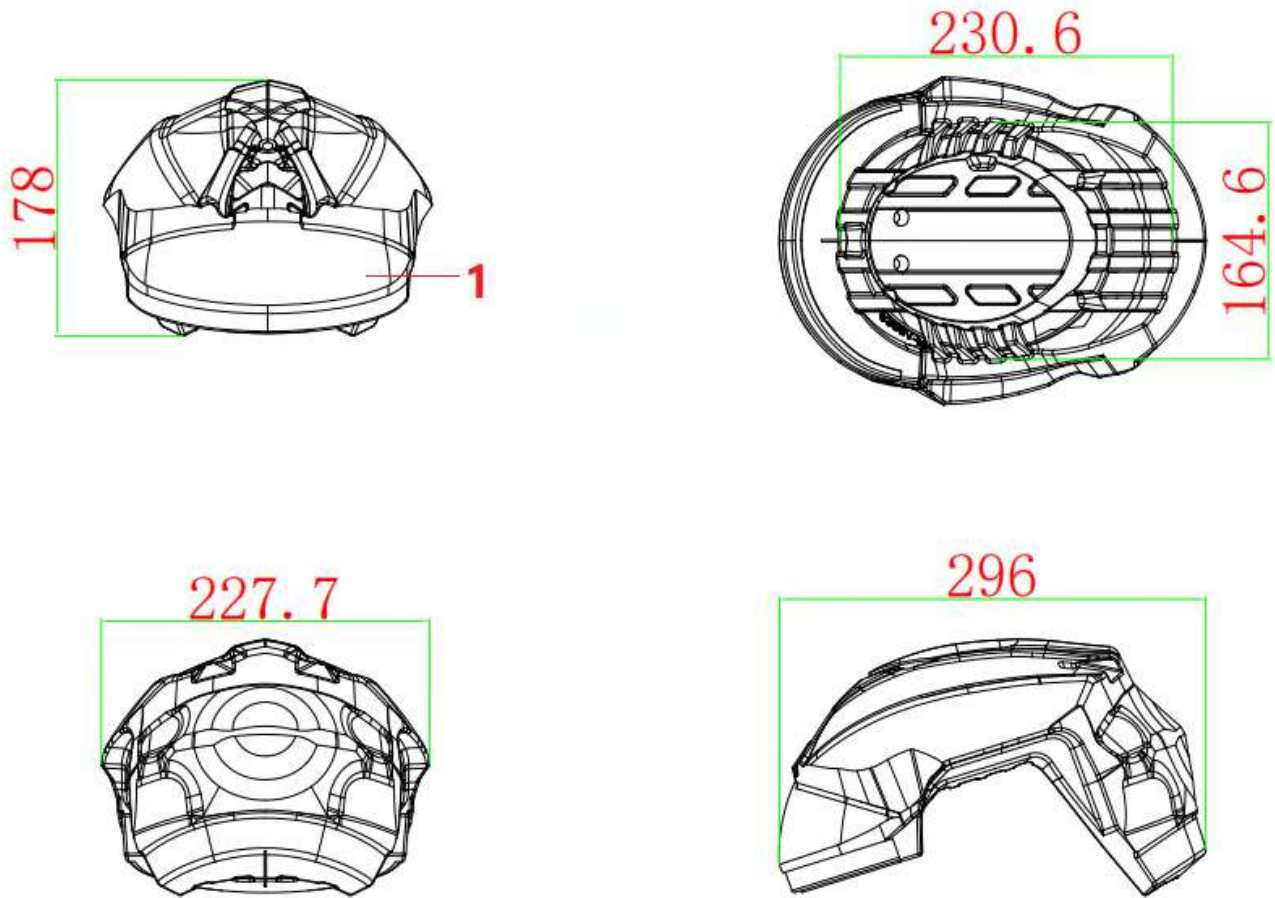


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FF935SV-03
for XS-S

EPS details

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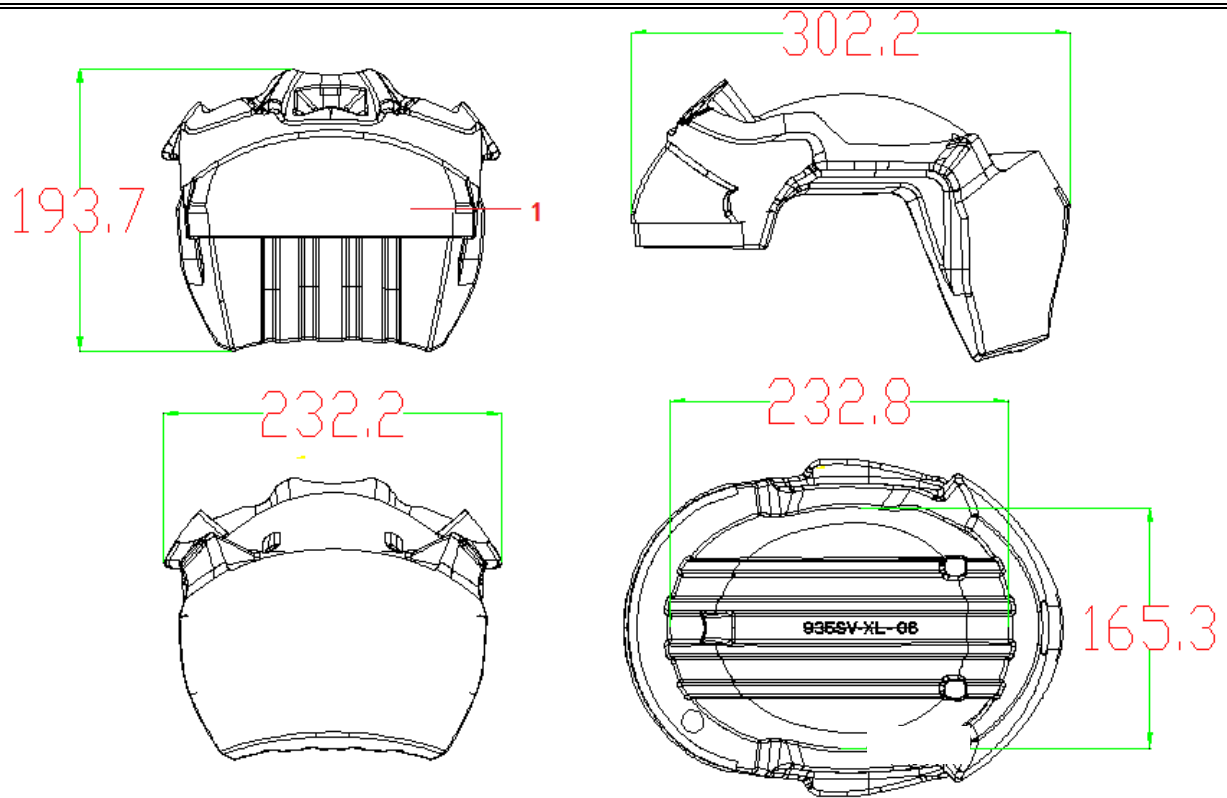


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FF935SV-03
for M

EPS details

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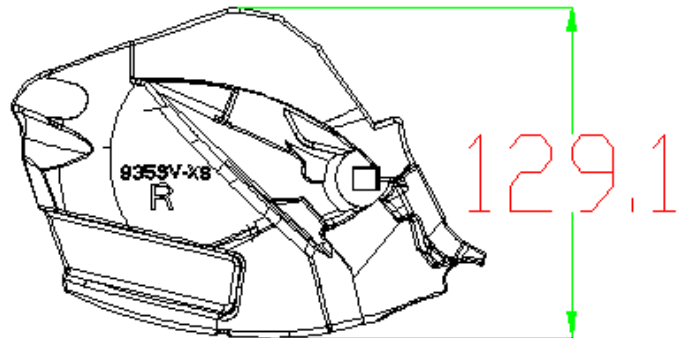
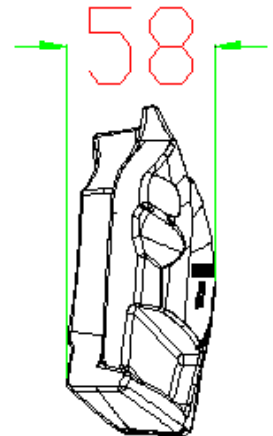
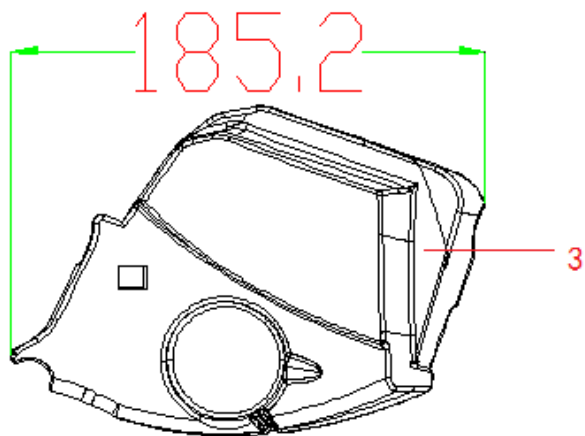
DRW.

FF935SV-03
for L-XXL

EPS details

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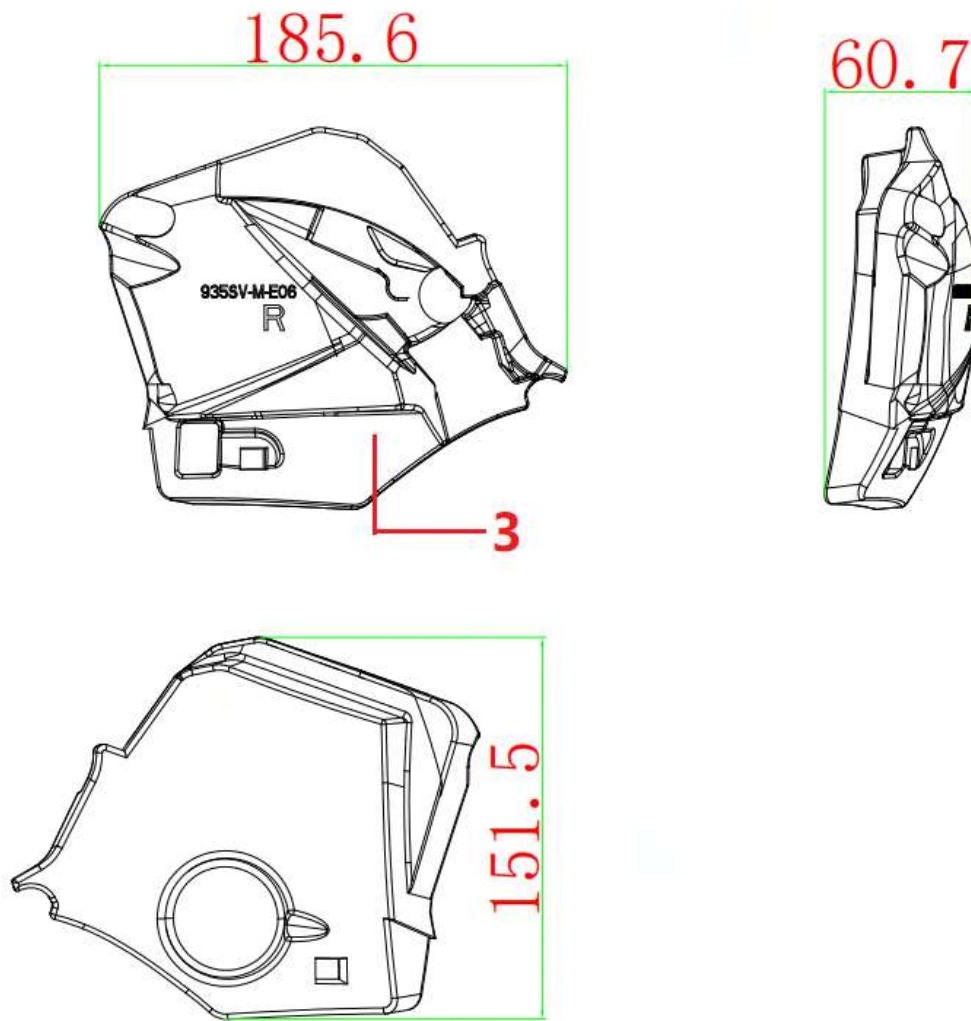
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FF935SV-03
for XS-S

EPS details

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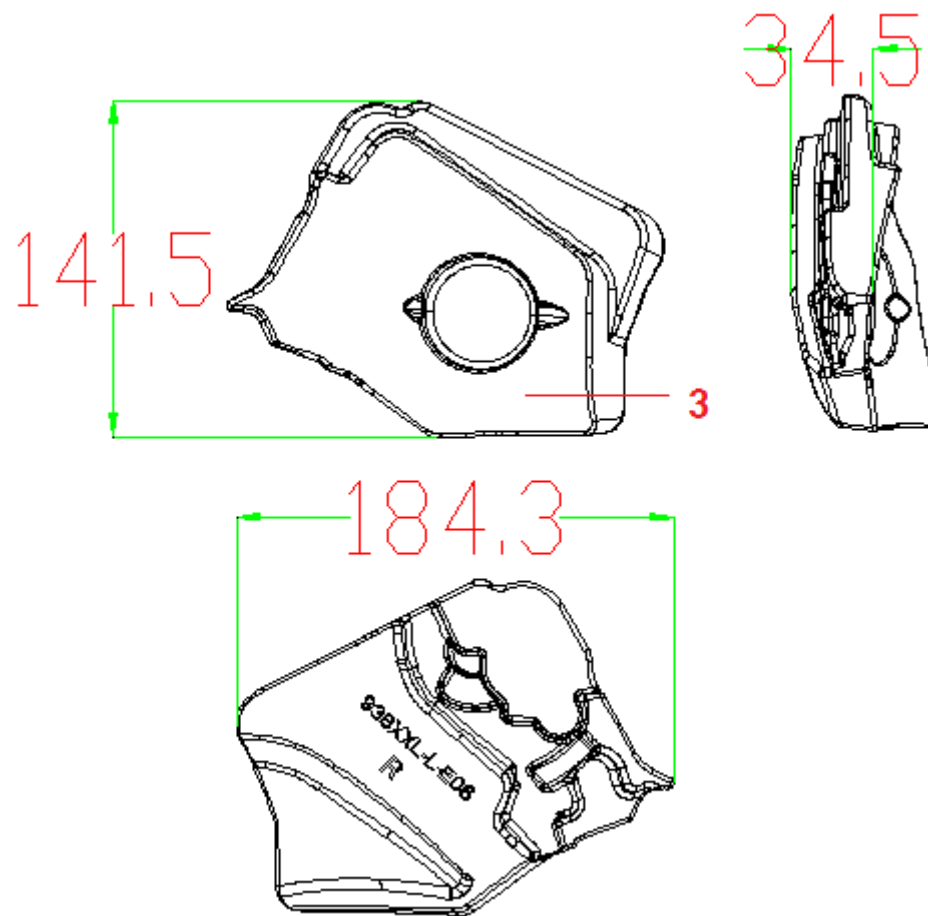


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FF935SV-03
for M

EPS details

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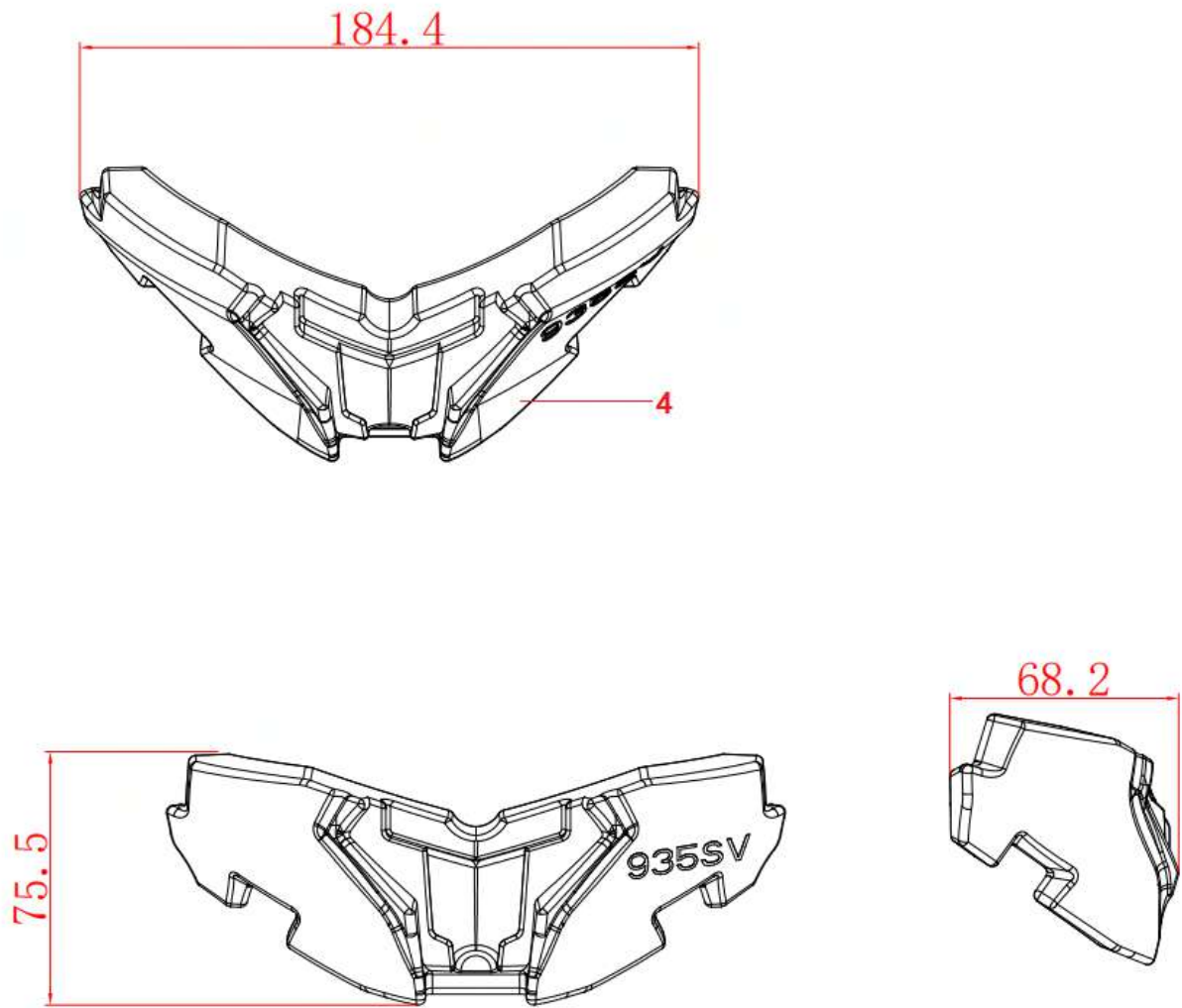
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FF935SV-03
for L-XXL

EPS details

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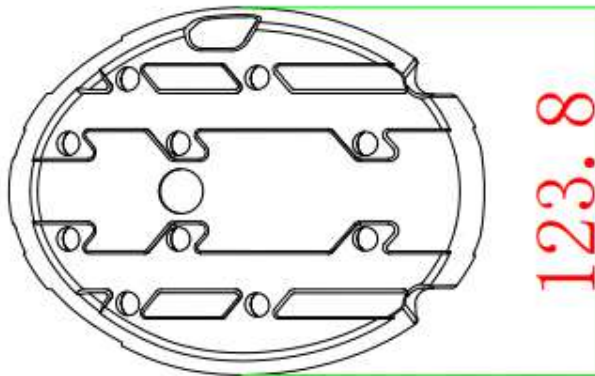
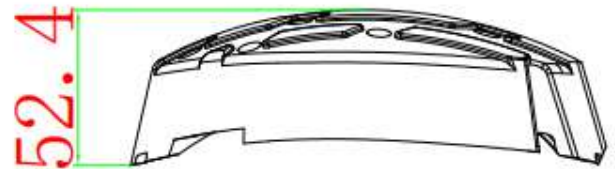
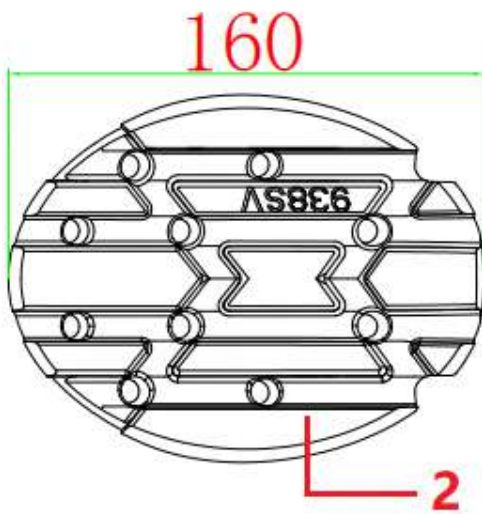
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FF935SV-03
for XS-XXL

EPS details

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Remark: This EPS for FF935SV is as the same as the EPS for FF938SV

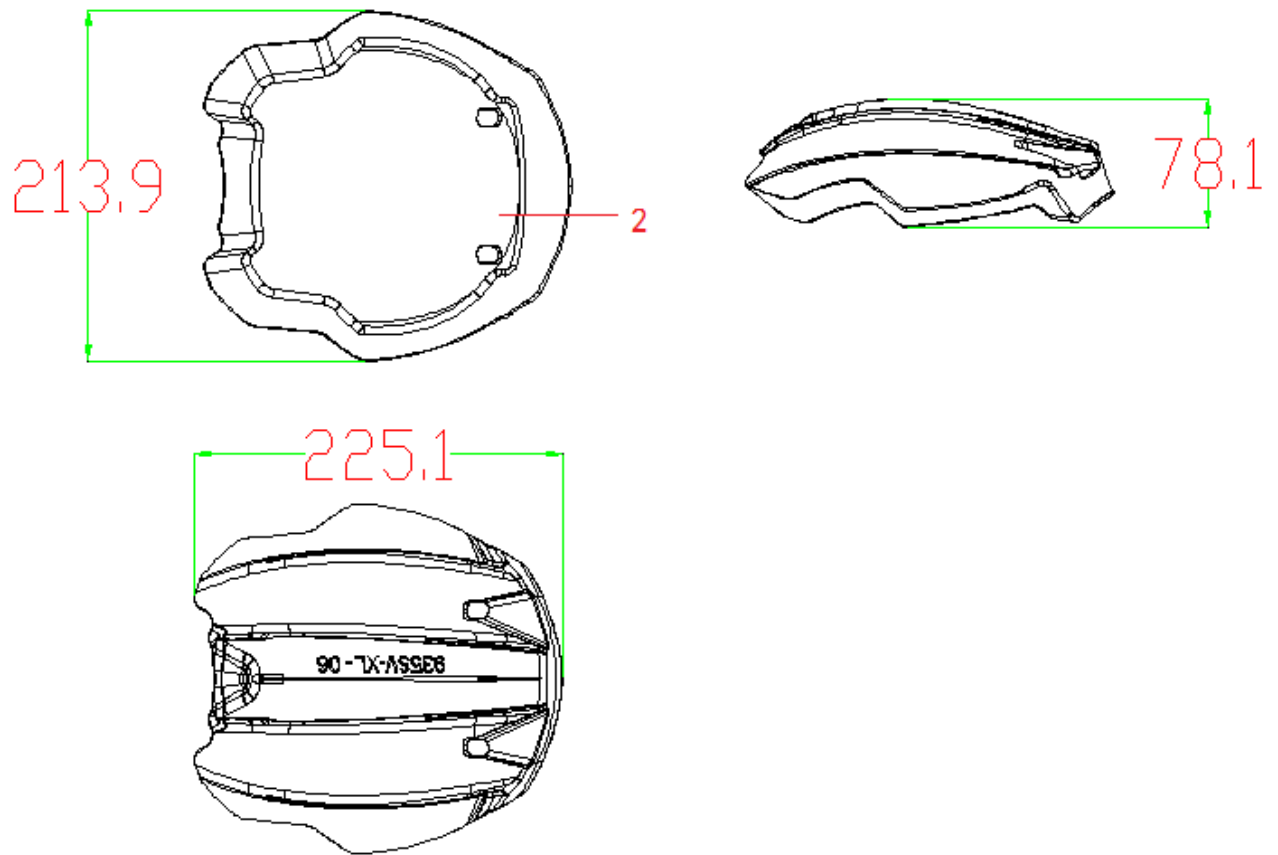
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Information folder No.

Application date: May 22, 2023

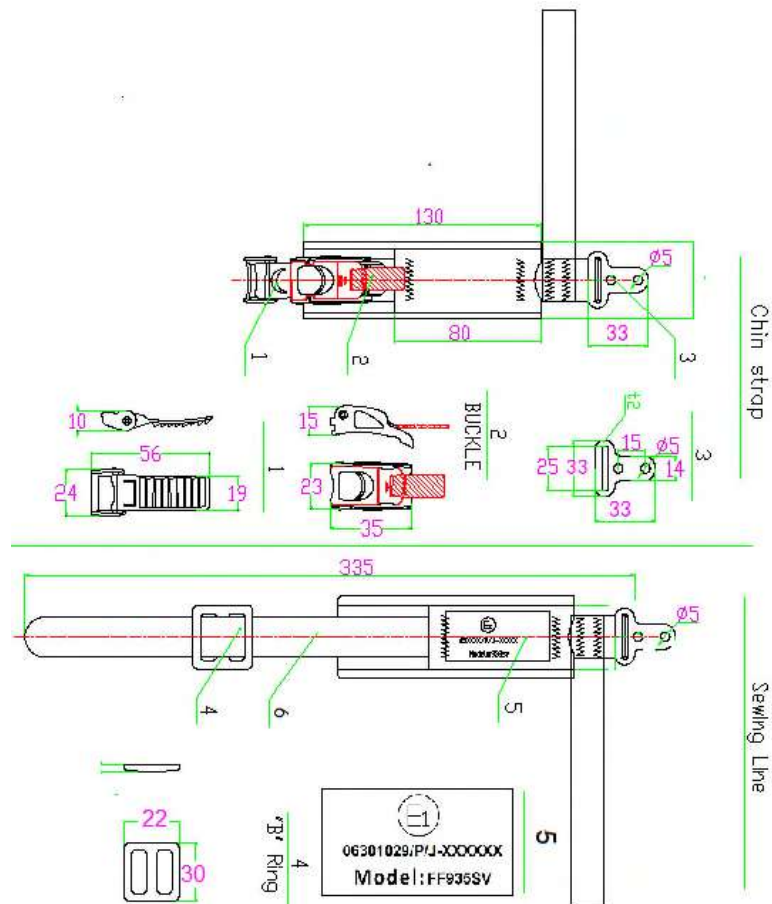


DRW.

FF935SV-03
For L-XXL

EPS details

	Type	FF935SV
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Remark:

The retention system is the same system used in helmet type: 938SV, which approved No.: E11 050659

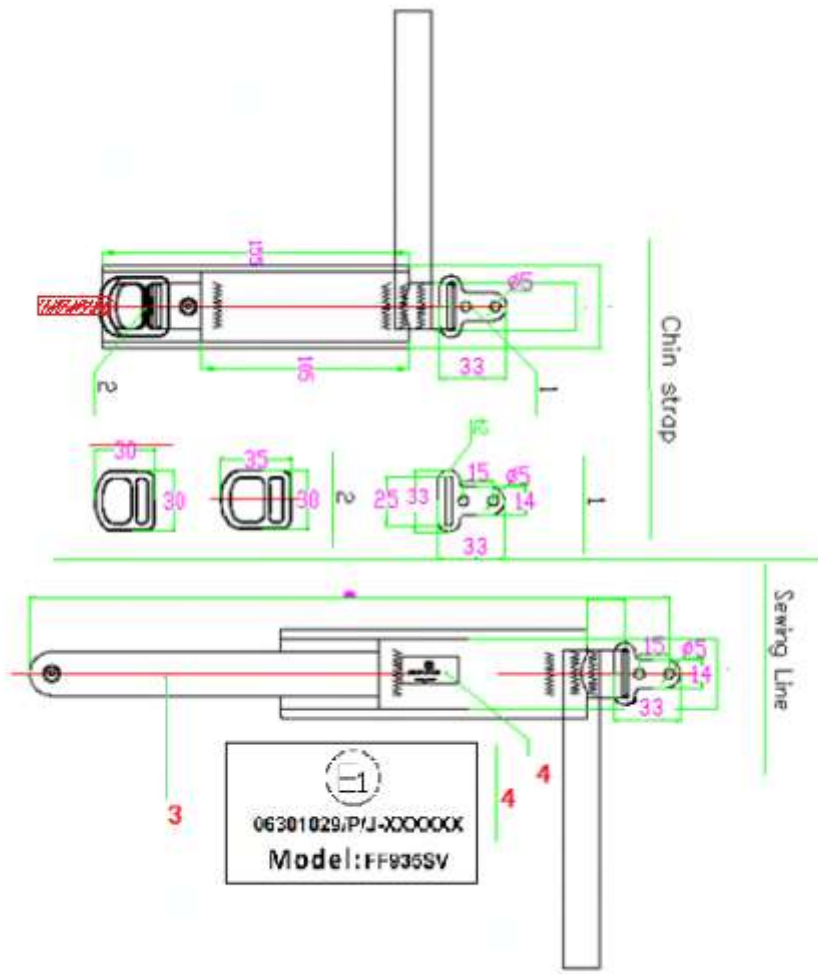
Part No.	Subject or name	Material
1	Slider	Polycarbonate+ Steel
2	Quick Release Buckle	Polycarbonate + Steel
3	Hinge	Steel
4	"B" Ring	Nylon
5	ECE Marking	Cloth
6	Chin Strap	Nylon
	DRW.	FF935SV-04
		Retention system

	Type	FF935SV
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Information folder No.

Application date: May 22, 2023

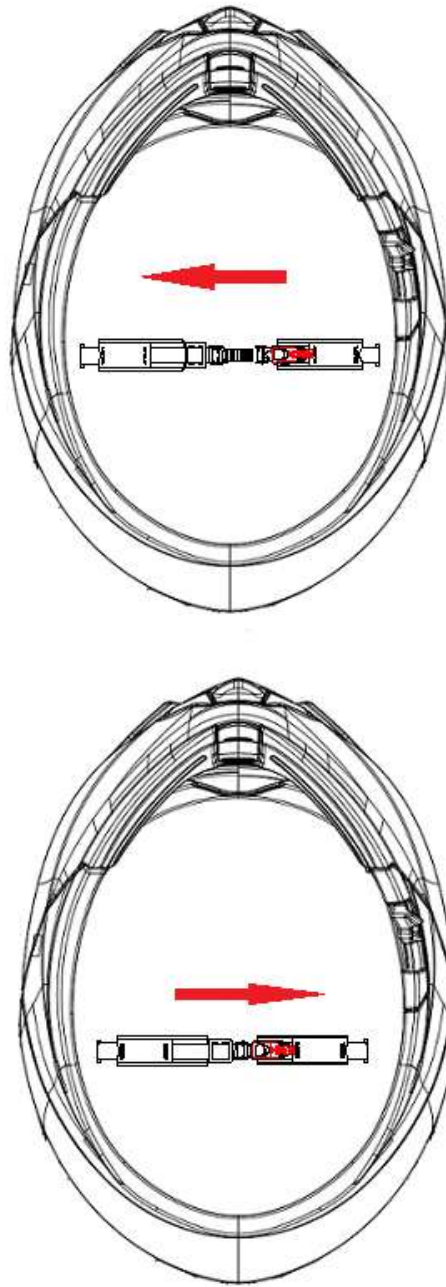


Remark:

The retention system is the same system used in helmet type: 938SV, which approved No.: E11 050659

00Part No.	Subject or name		Material
1	Hinge		Steel
2	Double "D" ring		Steel
3	Chin Strap		Nylon
4	ECE Marking		Cloth
	DRW.	FF935SV-04	Retention system

	Type	FF935SV
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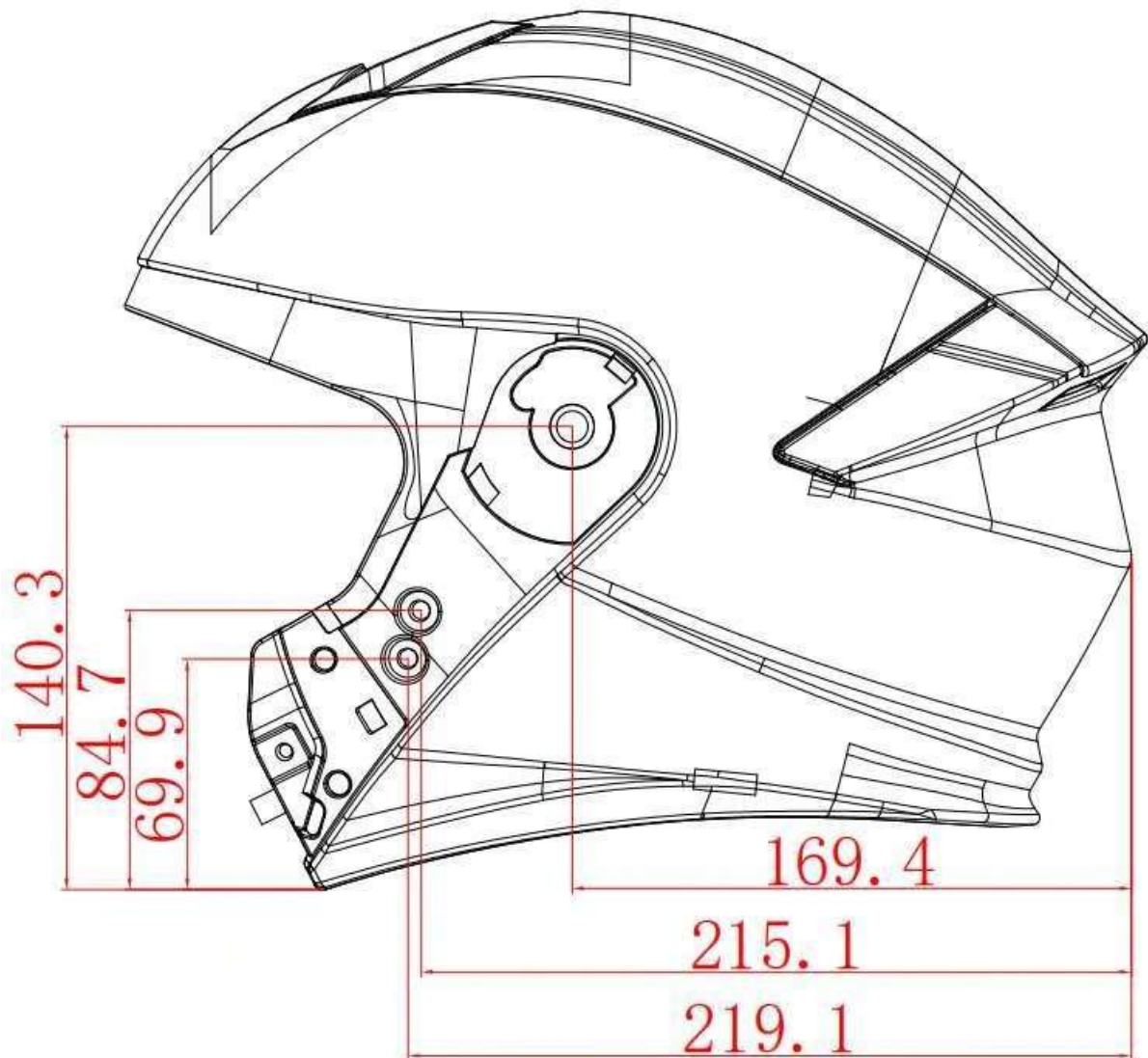
DRW.

FF935SV-05

**Retention system, chin
strap operation**

Type FF935SV

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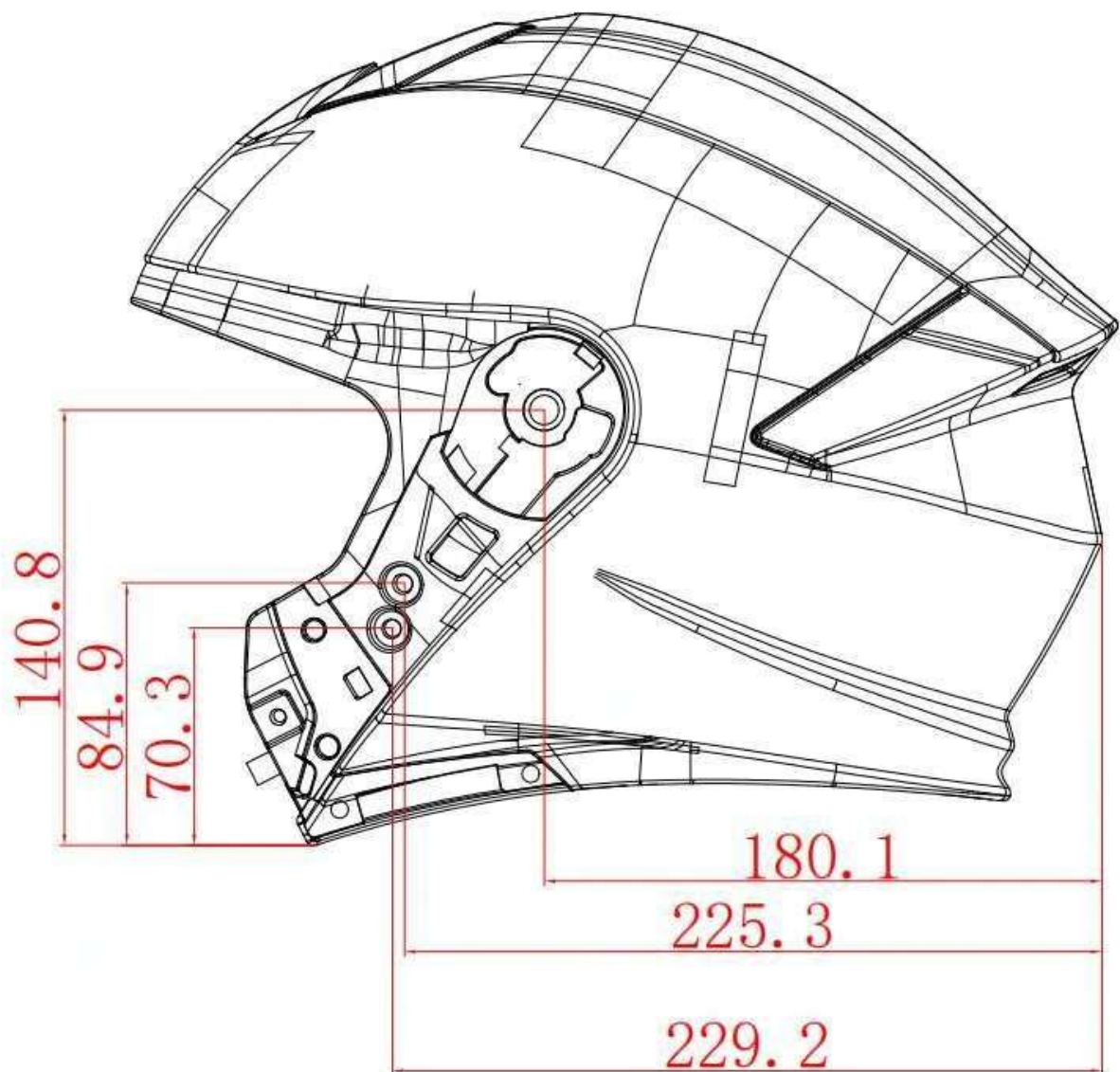


DRW.

FF935SV-06 For
XS-M

Retention system, position
details

	Type	FF935SV
	Page	22 of 30

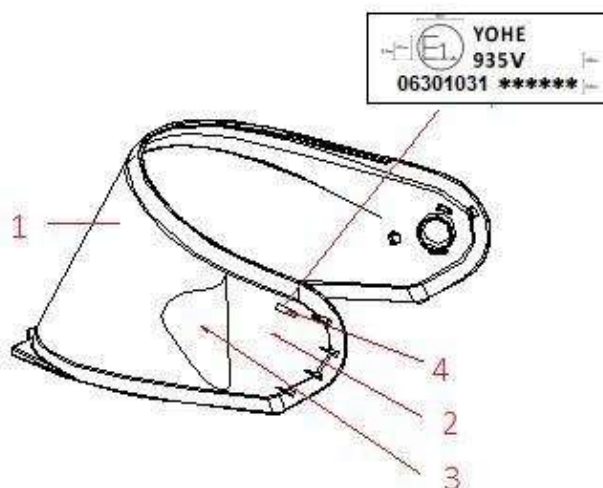
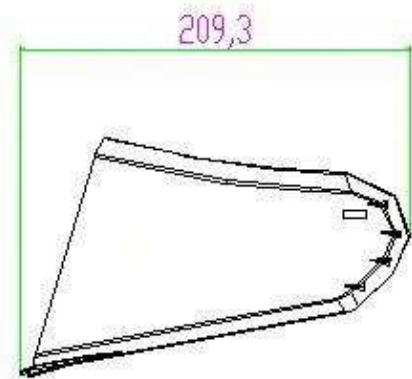
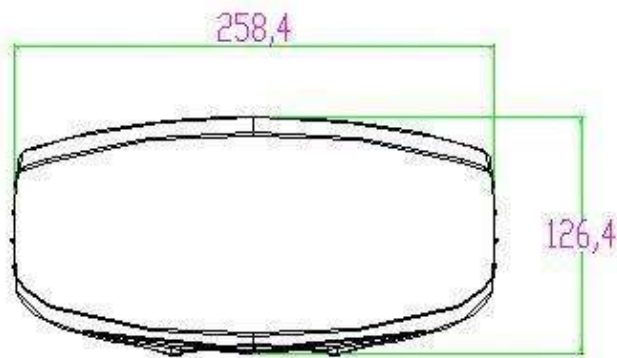


DRW.

FF935SV-06 For
L-XXL

Retention system, position details

	Type	FF935SV
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- 1 Material: PC
- 2 Thickness: 2 mm
- 3 Visor protective: film
- 4 ECE marking

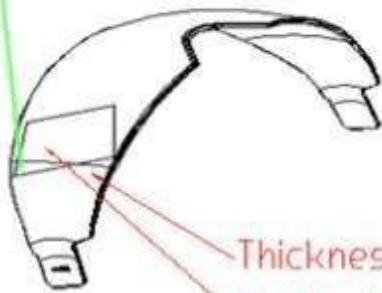
Remark:
Visor approved No.: E1 06301031

DRW.

FF935SV-07

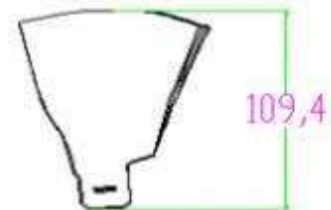
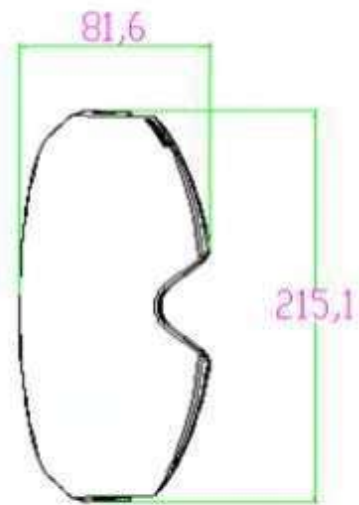
Drawing and details for visor

	Type	FF935SV
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Thickness 1.5mm
Protect Film

- 1.Material :PC
- 2.Thickness :1.5mm
- 3.Visor Protect Film



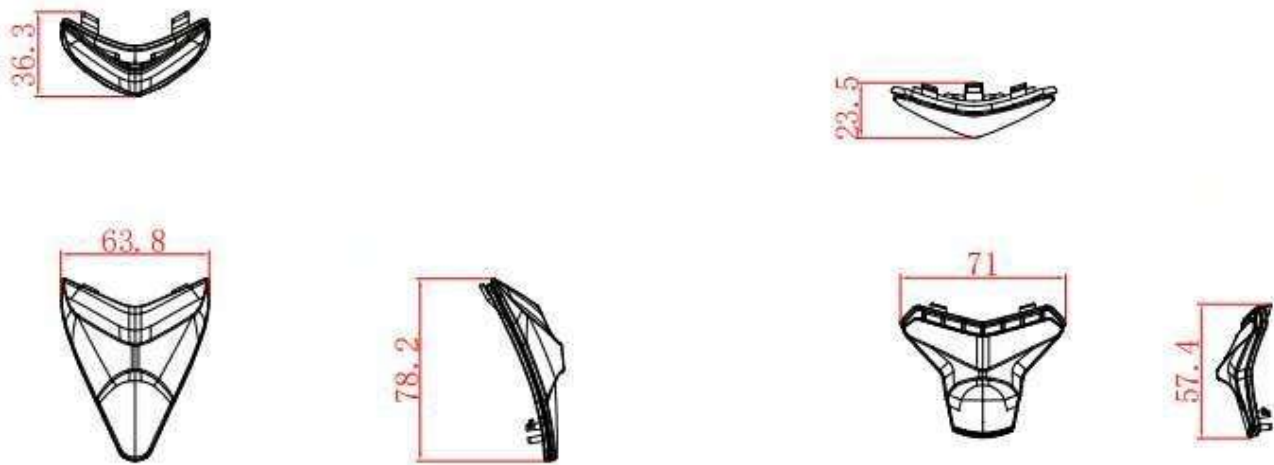
DRW.

FF935SV-08

Drawing and details for Sun Shield

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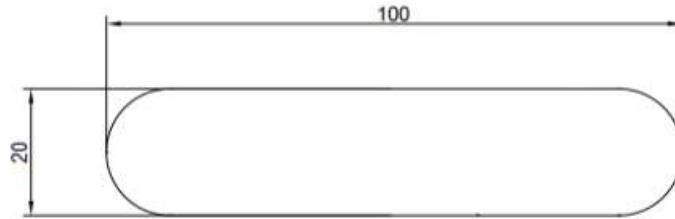
Information folder No.		Application date: May 22, 2023	
			
DRW.		FF935SV-09	
		Accessories	

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Information folder No.

Application date: May 22, 2023

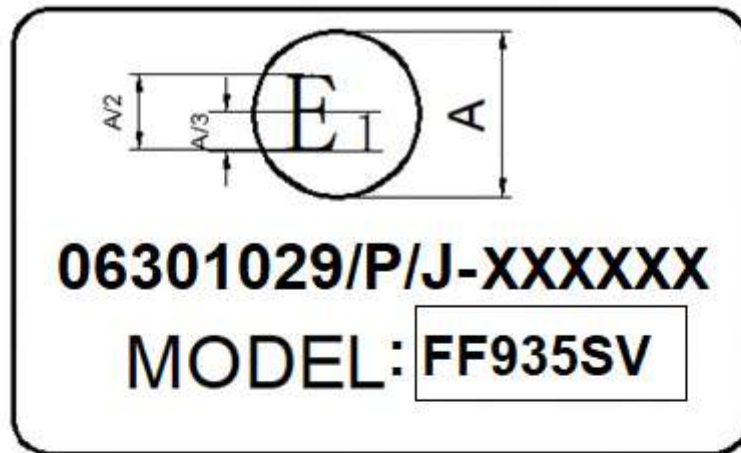


Manufacturer	Type	coating	Reflective area
	3M-610C	Glass beads	19.6 cm ²

Remark: The reflective material is optional.

DRW.	FF935SV-10	Reflective material
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	Type	FF935SV
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$A = 8$

HELMET TYPE: **FF935SV**
 COLOR OF LABEL: WHITE
 COLOR OF PRINT: BLACK
 MATERIAL OF LABEL: CLOTH

DRW.

FF935SV-11

Approval marking(s)

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Application date: May 22, 2023



DRW.

FF935SV-12

**Helmet assembly pictures
(P configuration)**

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Application date: May 22, 2023



DRW.

FF935SV-12

**Helmet assembly pictures
(J configuration)**

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