



# Kraftfahrt-Bundesamt

DE-24932 Flensburg



## MITTEILUNG

ausgestellt von:

**Kraftfahrt-Bundesamt**

über die Erweiterung einer Genehmigung für einen Schutzhelmtyp mit mehreren 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 more visor type(s) pursuant to Regulation No. 22 including amendment No. 06 supplement 02

Genehmigungsnummer: **E1\*22R06/02\*300899\*02**

Approval number:

1. Fabrik- oder Handelsmarke:  
Trade name or mark:  
**JUST1, ORIGINE, TORC, VCAN**
2. Typ:  
Type:  
**H331**
3. Größen:  
Sizes:  
**XS 53-54, S 55-56, M 57-58, L 59-60, XL 61, XL 61-62, XXL 63**





# Kraftfahrt-Bundesamt

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Genehmigungsnummer: **E1\*22R06/02\*300899\*02**

Approval Number:

4. Name des Herstellers:  
Manufacturer's name:  
**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**CN-201401 Fengxian, Shanghai**
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 schützender unterer Gesichtabdeckung (P)**  
**Helmet with protective lower face cover (P)**
10. Visiertyp oder Visiertypen:  
Type of visor or visors:  
**H-03 (E1 R22 06300899),**  
**HS-01 (E1 R22 06300900)**
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)  
**Erteilt**  
**Granted**

R22 E1\*22R06/02\*300899\*02





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Genehmigungsnummer: **E1\*22R06/02\*300899\*02**

Approval Number:

13. In der Helmhomologation enthaltenes Zubehör und Funktionalität:  
Accessories included in the helmet homologation and functionality:  
**H331B and H331 BT sind mit einem integrierten Kommunikationssystem ausgestattet (Marke: BLINC, VIPER; Modell: BL-A4).**  
**H331B and H331 BT are fitted with an integrated communication system (mark: BLINC, VIPER; model: BL-A4).**
14. Wenn UA-Helm:  
If UA helmet:  
**Entfällt**  
**Not applicable**
15. Zur Genehmigung vorgelegt am:  
Submitted for approval on:  
**29.06.2023**
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:  
**25.06.2023**
18. Nummer des Gutachtens des Technischen Dienstes:  
Number of report issued by that service:  
**85-R22-720/23-00**
19. Bemerkung(en):  
Remark(s):  
**Handelsbezeichnung(en):**  
**General commercial description(s):**  
**H331, H331B, H331 BT**
- Ausführung(en):**  
**Version(s):**  
**H331, H331B**
- Aktualisierung der Fabrik-oder Handelsmarke(n)**  
**Update of the Trade name(s) or mark(s)**
- Aktualisierung der Helmgrößen**  
**Update of the helmet sizes**





# Kraftfahrt-Bundesamt

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Genehmigungsnummer: **E1\*22R06/02\*300899\*02**

Approval Number:

20. Die Genehmigung wird **erweitert**  
Approval is **extended**
21. Ort: **DE-24932 Flensburg**  
Place:
22. Datum: **04.07.2023**  
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\*300899\*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:  
**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**CN-201401 Fengxian, Shanghai**

2. Datum der Anfangsbewertung:  
Date of the initial assessment:  
**30.09.2014**

3. Datum aller durchgeführten Überwachungstätigkeiten:  
Date of any surveillance activities:

Aktenzeichen Register number	Datum der Begehung Date of inspection	Genehmigungsnummer Approval number
---------------------------------	--	---------------------------------------

CoP-Q:  
**Entfällt**  
**Not applicable**

CoP-P:		
<b>P-432-1-0042-10</b>	<b>18.05.2010</b>	<b>05300212</b>
<b>P-432-1-0100-10</b>	<b>15.06.2010</b>	<b>05300204</b>
<b>P-432-1-0140-11</b>	<b>20.09.2011</b>	<b>05300225</b>
<b>P-501697</b>	<b>27.06.2017</b>	<b>05300526, Erweiterung 04</b>





# Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: **E1\*22R06/02\*300899\*02**

To:

## Inhaltsverzeichnis zu den Beschreibungsunterlagen Index to the information package

Ausgabedatum: **27.04.2022**  
Date of issue:

Letztes Änderungsdatum: **04.07.2023**  
Last date of amendment:

Nebenbestimmungen und Rechtsbehelfsbelehrung  
Collateral clauses and instruction on right to appeal

Prüfbericht(e) Nr.:  
Test report(s) No.:  
**85-R22-327/22-00**  
**85-R22-720/23-00**

Datum:  
Date:  
**21.04.2022**  
**25.06.2023**

Beschreibungsbogen Nr.:  
Information document No.:  
**HEHUI-H331-00**  
**HEHUI-H331-01**

Datum:  
Date:  
**15.04.2022**  
**17.04.2023**

Liste der Änderungen:  
List of modifications:  
**Siehe Prüfbericht: Appendix 0**  
**See test report: Appendix 0**

Datum:  
Date:  
**25.06.2023**





# Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nummer der Genehmigung: **E1\*22R06/02\*300899\*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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Approval No.: **E1\*22R06/02\*300899\*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.**



Test Report No. 85-R22-720/23-00

Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.**TEST REPORT**

according to

**UN-R 22**

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

as last amended by

**06 series of amendments, Suppl. 2****For the Type Approval of:**

- Helmet + Visor
- Helmet
- Visor

Approval Status

UN-approval : E1\*22R06/00\*300899\*01

## 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 : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

## 0. General information

0.1. Make (trade name of the manufacturer) : JUST1, ORIGINE, TORC, VCAN

0.2. Type : H331

Commercial description(s) : ~~H331, H331B, H331 BT~~

Version(s) : H331, H331B

0.3. Helmet category : see appendix L, item 9

0.4. Name and address of the manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.  
NO.8 FENGJIN ROAD XIDU INDUSTRIAL  
DEVELOPMENT ZONE FENGXIAN DISTRICT  
SHANGHAI CHINA

0.5. No. of the information document : HEHUI-H331-00  
HEHUI-H331-01

Date of issue : April 15, 2022  
April 17, 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

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

- 1.1.2. Condition of vehicle(s)/object(s) : new, ~~used, pretested~~
- 1.2. Worst case configuration : ~~No worst case assessment required (only one variant/version or no variants/versions)~~  
There is no worst case selection required because all versions mentioned in the information folder are tested.
- 1.3. Remarks : without
- 2. Test record**
- 2.1. Equipment for measuring and testing : The test and measurement equipment used were in compliance with the test requirements.
- 2.1.1. Specifications for the test site : not applicable
- 2.1.2. Subcontracting : not applicable
- 2.2. Test results**
- Test results referring to measurements : passed
- Test results of not measurable attributes : not applicable
- Alternative test methods : not applicable
- Remarks concerning extension : not applicable
- 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.
- 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 : March 23, 2022  
June 12, 2023
- 2.4. Remarks : without

Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

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 : HEHUI-H331-01 (26 pages)

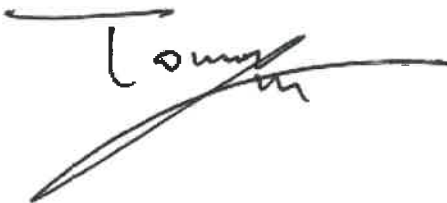
4. **Statement of conformity**

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 25, 2023

TYT



M.S. Tony Yan  
Technical Expert Technical Service

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

**Appendix 0**

**List of modifications**

- Correction of : -
- Modification of : Standard supplement number, editorial changes
- Addition of : Trade mark, commercial descriptions, new versions, new sizes, new retention system
- Deletion of : -

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

Communication concerning the type approval

Appendix L

1	Trade name or mark	: JUST1, ORIGINE, TORC, VCAN
2	Type	: H331
	Commercial description(s)	: H331, H331B, H331 BT
	Versions(s)	: H331, H331B
3	Sizes	: XS 53-54, S 55-56, M 57-58, L 59-60, XL 61, XL 61-62, <del>XXL 63</del>
4	Manufacturer's name	: SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.
5	Address	: NO.8 FENGJIN ROAD XIDU INDUSTRIAL DEVELOPMENT ZONE FENGXIAN DISTRICT SHANGHAI CHINA
6	Name of manufacturer's representative (if any)	: not applicable
7	Address	: not applicable
8	Brief description of helmet	: The integral-faced helmet H331 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 EVA chin liner. The adoption to the different head sizes is done by different thickness of the size liner, and different thickness of the comfort padding.  The helmet is fitted with the visor H-03 approved with the helmet, and with the visor HS-01 with separate approval.  The helmet of H331B and H331 BT is fitted with an integrated communication system (mark: BLINC, VIPER; model: BL-A4)

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Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

9	Helmet category	:	With protective lower face cover (P)
10	Type of visor or visors	:	H-03 (E1 R22 06300899); HS-01 (E1 R22 06300900)
11	Brief description of visor or visors, and inner visor if any	:	H-03: Clear visors, made of Polycarbonate (PC) with hardened coating on the surface, and a thickness of 2.0 mm.  HS-01: Tinted visor, made of Polycarbonate (PC) with hardened coating on the surface, and a thickness of 1.5 mm.
12	<u>Helmet ready for specific accessory (SA)/ready for universal accessories (UA)</u>	:	<u>Specific accessory (SA)</u>
13	<u>Accessories included in the helmet homologation and functionality</u>	:	<u>See above item 8</u>
14	<u>If UA helmet</u>	:	<u>not applicable</u>
15	Submitted for approval on	:	June 12, 2023
17	Date of report issued by that service	:	June 25, 2023

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE 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   | Protection areas<br>(6.4)                | : The shell and padding of the helmets of each size cover the required areas.   |
| 5   | 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.  |
| 6   | Outer projections<br>(6.6 / 6.7)         | : All external projections are rounded and smooth.<br>All external projections ≤ 2 mm have a radius ≥ 1 mm<br><br>There are projections of the outer shell, greater than 2mm. All external projections > 2 mm have a radius ≥ 2 mm. The shear assessment was successful.  |
| 7   | Inner projections<br>(6.8)               | : No inward facing sharp edges. All internal parts are covered with padding.  |
| 8   | Helmet components<br>(6.9)               | : The components of the helmet are assembled in a way that they do not become easily detached as a result of impact.  |
| 9   | Retention system                         |   |
| 9.1 | Abrasion protection<br>(6.10)            | : The wearer is protected from abrasion by the retention system.  |
| 9.2 | General<br>(6.11)                        | : The retention system fully complies with the requirements of the regulation:<br><br><ul style="list-style-type: none"> <li>- Retention System is permanently attached</li> <li>- Chin strap is adjustable and maintains tension</li> <li>- Strap has a width of minimum 20 mm</li> <li>- No chin-cup</li> </ul> |

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

- 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

- 9.3 Chin strap (6.11.1 / 7.12.1.1) : Under a load of 150 N the width of the chin strap is > 20 mm.  
The chin strap is covered with an additional comfort padding.  
It is not possible to open the quick-release mechanism with a ball of diameter 100 mm.
- 10 Detachable/movable face cover (6.12) : Not applicable
- 11 Materials (6.13) : The materials used for the helmet comply with the regulation.
- 12 Breakage and deformation (6.14) : The helmet does not show breakage or deformation dangerous to the wearer after testing.
- 13 Peripheral vision (6.15) : Complies with the requirements of the regulation, refer test results.
- 14 Sun shield : Not applicable
- 15 Conspicuity marking (6.18) : The helmet is not equipped with retroreflective parts.
- 16 Accessories (6.19) : The helmet of H331B and H331 BT, is fitted with an integrated communication system. The special accessories fulfill the structure requirements. The speaker, with a height of more than 6 mm, fulfills the mechanical characterization requirements.
- 17 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.

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Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

## Test minutes

## Appendix 1

General Requirements for Visors (for H-03 visor type)

- |     |   |  |
|-----|---|--|
| 1   | General<br>(6.16.1)                     | : The visor is removable.<br>The visor can be moved out of the field of vision by a simple movement with one hand.   |
| 1.1 | Angle Opening<br>(6.16.2)               | : The opening angle of the visor complies with the requirements illustrated in Annex 9.  |
| 1.2 | Field of Vision<br>(6.16.3.1 -6.16.3.8) | : The visor does not impair the user's peripheral vision as defined in paragraph 6.15. when in totally opened position.<br><br>In closed position the lower edge of the visor is not situated in the downward field of vision as defined in paragraph 6.15.<br><br>The visor is free from significant defects like bubbles, scratches, inclusions, dull spots, holes, mould marks or other defects originating from the manufacturing process. |
| 1.3 | Daytime use only<br>(6.16.3.4)          | : not applicable   |
| 1.4 | Mist retardant visor<br>(6.16.3.9)      | : not applicable   |

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Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

## 6.15. Peripheral vision

Helmet Size	Testhead	horizontal angle min. 210°	upwards angle min. 7°	downwards angle min. 45°
S 55-56	555	214	7	46
<u>XL 61-62</u>	<u>625</u>	<u>214</u>	<u>7</u>	<u>47</u>

## 7.3. Impact-absorption-tests

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

Impact-absorption-tests result of H331:

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	167	1475
	X	189	1536
	P	192	2088
	R	183	1430
	S	56	116
Helmet 2 High Temp. (+50°C)	B	125	928
	X	138	961
	P	145	1227
	R	157	1307
	S	---	---

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

 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	209	2106
	X	223	2034
	P	207	1952
	R	204	1660
	S	80	204
Helmet 4 High Temp. (+50°C)	B	145	1079
	X	139	1022
	P	137	1154
	R	175	1429
	S	---	---

 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	200	1709
	X	226	1975
	P	197	1807
	R	205	1871
	S	---	---
Helmet 6 Ambient	B	158	1149
	X	175	1310
	P	140	1177
	R	183	1504
	S	---	---
Helmet 7 Artificial ageing	B	134	1077
	X	141	1070
	P	147	1175
	R	184	1507
	S	---	---

Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

helmet size : XL 61  
test-head-size : 605  
anvil : Flat (Helm. 8), Kerbstone (Helm. 9)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 8	B	219	2169
Low Temp. (-10°C)	X	213	1760
	P	177	1876
	R	171	1314
	S	125	357
	Helmet 9	B	137
High Temp. (+50°C)	X	145	957
	P	219	1423
	R	152	1200
	S	---	---

helmet size : XL 61  
test-head-size : 605  
anvil : Flat (Helm. 10), Kerbstone (Helm. 11), Flat (Helm. 12)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 10	B	188	1554
Ambient	X	213	1802
	P	172	1679
	R	175	1570
	S	---	---
	Helmet 11	B	136
Ambient	X	156	1094
	P	179	1337
	R	152	1232
	S	---	---
Helmet 12	B	202	1775
Artificial ageing	X	210	1754
	P	168	1614
	R	163	1392
	S	---	---

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

helmet size : XXL 63  
test-head-size : 625  
anvil : Flat (Helm. 19), Kerbstone (Helm. 20)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 19 Low Temp. (-10°C)	B	<u>192</u>	<u>1703</u>
	X	<u>210</u>	<u>1807</u>
	P	<u>150</u>	<u>1327</u>
	R	<u>155</u>	<u>1127</u>
	S	<u>87</u>	<u>264</u>
Helmet 20 High Temp. (+50°C)	B	<u>133</u>	<u>953</u>
	X	<u>142</u>	<u>953</u>
	P	<u>194</u>	<u>1244</u>
	R	<u>155</u>	<u>1239</u>
	S	---	---

helmet size : XXL 63  
test-head-size : 625  
anvil : Flat (Helm. 21), Kerbstone (Helm. 22), Kerbstone (Helm. 23)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 21 Ambient	B	<u>206</u>	<u>1895</u>
	X	<u>233</u>	<u>2028</u>
	P	<u>171</u>	<u>1707</u>
	R	<u>180</u>	<u>1527</u>
	S	---	---
Helmet 22 Ambient	B	<u>139</u>	<u>978</u>
	X	<u>159</u>	<u>1154</u>
	P	<u>196</u>	<u>1320</u>
	R	<u>162</u>	<u>1322</u>
	S	---	---
Helmet 23 Artificial ageing	B	<u>152</u>	<u>1084</u>
	X	<u>146</u>	<u>1045</u>
	P	<u>145</u>	<u>1104</u>
	R	<u>161</u>	<u>1305</u>
	S	---	---

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.
Impact-absorption-tests result of H331B:
 helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 24), Kerbstone (Helm. 25)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 24 Low Temp. (-10°C)	B	<u>218</u>	<u>1634</u>
	X	<u>215</u>	<u>1918</u>
	P	<u>204</u>	<u>2192</u>
	R	<u>203</u>	<u>1413</u>
	S	<u>87</u>	<u>182</u>
Helmet 25 High Temp. (+50°C)	B	<u>148</u>	<u>1010</u>
	X	<u>138</u>	<u>956</u>
	P	<u>145</u>	<u>1196</u>
	R	<u>175</u>	<u>1315</u>
	S	<u>---</u>	<u>---</u>

 helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 26), Kerbstone (Helm. 27), Kerbstone (Helm. 28)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 26 Ambient	B	<u>224</u>	<u>1738</u>
	X	<u>217</u>	<u>1741</u>
	P	<u>200</u>	<u>1927</u>
	R	<u>188</u>	<u>1554</u>
	S	<u>---</u>	<u>---</u>
Helmet 27 Ambient	B	<u>169</u>	<u>1066</u>
	X	<u>183</u>	<u>1368</u>
	P	<u>154</u>	<u>1153</u>
	R	<u>171</u>	<u>1417</u>
	S	<u>---</u>	<u>---</u>
Helmet 28 Artificial ageing	B	<u>173</u>	<u>1098</u>
	X	<u>138</u>	<u>979</u>
	P	<u>145</u>	<u>1230</u>
	R	<u>181</u>	<u>1444</u>
	S	<u>---</u>	<u>---</u>

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

 helmet size : XXL 63  
 test-head-size : 625  
 anvil : Flat (Helm. 29), Kerbstone (Helm. 30)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 29	B	<u>214</u>	<u>1920</u>
Low Temp. (-10°C)	X	<u>218</u>	<u>1951</u>
	P	<u>176</u>	<u>1744</u>
	R	<u>151</u>	<u>1065</u>
	S	<u>120</u>	<u>385</u>
	Helmet 30	B	<u>134</u>
High Temp. (+50°C)	X	<u>146</u>	<u>963</u>
	P	<u>140</u>	<u>1074</u>
	R	<u>139</u>	<u>993</u>
	S	---	---

 helmet size : XXL 63  
 test-head-size : 625  
 anvil : Flat (Helm. 31), Kerbstone (Helm. 32), Flat (Helm. 33)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 31	B	<u>218</u>	<u>2097</u>
Ambient	X	<u>241</u>	<u>2082</u>
	P	<u>148</u>	<u>1284</u>
	R	<u>140</u>	<u>1005</u>
	S	---	---
	Helmet 32	B	<u>143</u>
Ambient	X	<u>157</u>	<u>1108</u>
	P	<u>186</u>	<u>1278</u>
	R	<u>152</u>	<u>1027</u>
	S	---	---
	Helmet 33	B	<u>207</u>
Artificial ageing	X	<u>205</u>	<u>1690</u>
	P	<u>152</u>	<u>1483</u>
	R	<u>141</u>	<u>930</u>
	S	---	---

Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

Low energy impact

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

Low energy impact test result of H331:

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 13)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 13	B	156	951
Ambient	X	169	1106
	P	160	1189
	R	168	1103
	S	---	---

helmet size : XL 61  
test-head-size : 605  
anvil : Kerbstone (Helm. 14)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 14	B	122	621
Ambient	X	113	586
	P	115	611
	R	139	818
	S	---	---

helmet size : XXL 63  
test-head-size : 625  
anvil : Flat (Helm. 34)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 34	B	177	1216
Ambient	X	160	950
	P	128	946
	R	127	811
	S	---	---

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.
Low energy impact test result of H331B:
 helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 35)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 35	B	<u>171</u>	<u>985</u>
Ambient	X	<u>171</u>	<u>1088</u>
	P	<u>157</u>	<u>1280</u>
	R	<u>152</u>	<u>869</u>
	S	---	---

 helmet size : XXL 63  
 test-head-size : 625  
 anvil : Kerbstone (Helm. 36)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 36	B	<u>135</u>	<u>632</u>
Ambient	X	<u>128</u>	<u>708</u>
	P	<u>118</u>	<u>641</u>
	R	<u>122</u>	<u>698</u>
	S	---	---

High energy impact

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

High energy impact test result of H331:
 helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 15)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 15	B	213	2322
Ambient	X	253	2528
	P	212	1960
	R	211	2041
	S	---	---

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

helmet size : XL 61  
test-head-size : 605  
anvil : Flat (Helm. 16)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 16	B	211	2302
Ambient	X	241	2231
	P	192	2083
	R	186	1796
	S	---	---

helmet size : XXL 63  
test-head-size : 625  
anvil : Flat (Helm. 37)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 37	B	<u>232</u>	<u>2303</u>
Ambient	X	<u>237</u>	<u>2220</u>
	P	<u>239</u>	<u>2437</u>
	R	<u>176</u>	<u>1594</u>
	S	---	---

High energy impact test result of H331B:

helmet size : M 57-58  
test-head-size : 575  
anvil : Flat (Helm. 38)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 38	B	<u>222</u>	<u>2473</u>
Ambient	X	<u>242</u>	<u>2465</u>
	P	<u>213</u>	<u>2661</u>
	R	<u>182</u>	<u>1820</u>
	S	---	---

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

 helmet size : XXL 63  
 test-head-size : 625  
 anvil : Flat (Helm. 39)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 39	B	<u>234</u>	<u>2536</u>
Ambient	X	<u>242</u>	<u>2206</u>
	P	<u>197</u>	<u>2081</u>
	R	<u>188</u>	<u>1731</u>
	S	---	---

Extra point

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

Extra point impact test result of H331:
 helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 17)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 17	BXR	203	1713
Ambient	RXPR	193	2080
	RXL	200	1818
	BXPL	204	1998

 helmet size : XL 61  
 test-head-size : 605  
 anvil : Kerbstone (Helm. 18)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 18	BXL	138	1017
Ambient	RXPL	154	998
	RXR	155	1158
	BXPR	138	1046

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

helmet size : XXL 63  
 test-head-size : 625  
 anvil : Flat (Helm. 40), Kerbstone (Helm. 41)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 40	BXR	<u>186</u>	<u>1559</u>
Ambient	RXPR	<u>175</u>	<u>1636</u>
	RXL	<u>201</u>	<u>1788</u>
	BXPL	<u>210</u>	<u>1769</u>
	Helmet 41	BXL	<u>152</u>
Ambient	RXPL	<u>176</u>	<u>1211</u>
	RXR	<u>175</u>	<u>1210</u>
	BXPR	<u>228</u>	<u>1470</u>

## Extra point impact test result of H331B:

helmet size : M 57-58  
 test-head-size : 575  
 anvil : Flat (Helm. 42)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 42	BXR	<u>196</u>	<u>1714</u>
Ambient	RXPR	<u>180</u>	<u>1789</u>
	RXL	<u>197</u>	<u>1827</u>
	BXPL	<u>203</u>	<u>2010</u>

helmet size : XXL 63  
 test-head-size : 625  
 anvil : Kerbstone (Helm. 43)

Conditioning	Impact point	Res. acceleration [g]	HIC [-]
Helmet 43	BXL	<u>138</u>	<u>1080</u>
Ambient	RXPL	<u>159</u>	<u>1146</u>
	RXR	<u>157</u>	<u>1234</u>
	BXPR	<u>262</u>	<u>1536</u>

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

## 7.4.2 Test for projections and surface friction (method B) (for versions of H331, H331B)

All values are within the limits of the regulation.

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

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.	Helmet peak / Attachment of the special accessory sliding tangential at the projection	Positive

## 7.5 Rigidity test

All values are within the limits of the regulation.

Helmet Size	Direction	Deformation (max. 40 mm)	Permanent deformation (max. 15 mm)
M 57-58	longitudinal	15	6
	transversal	10	4
XL 61	longitudinal	21	13
	transversal	11	5
<u>XXL 63</u> (version H331)	longitudinal	<u>18</u>	<u>9</u>
	transversal	<u>10</u>	<u>3</u>
<u>XXL 63</u> (version H331B)	longitudinal	<u>16</u>	<u>5</u>
	transversal	<u>12</u>	<u>3</u>

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
 MANUFACTURE CO., LTD.

## 7.6. Dynamic test of the retention system

All values are within the limits of the regulation.

Helmet Size	Headsizes	dyn.movement (max. 35 mm)	stat.movement (max.25 mm)	Remarks
XS 53-54 (with DD ring)	535	30.6	15.4	--
L 59-60 (with DD ring)	605	23.3	11.1	--
<u>XS 53-54 (with buckle)</u>	<u>535</u>	<u>32.3</u>	<u>13.6</u>	<u>--</u>
<u>L 59-60 (with buckle)</u>	<u>605</u>	<u>30.1</u>	<u>14.0</u>	<u>--</u>

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

All values are within the limits of the regulation.

Helmet Size	Headsizes	angle of movement (max. 30°)	Remarks
XS 53-54 (with DD ring)	535	26	Front to rear
L 59-60(with DD ring)	605	9	Front to rear
<u>XS 53-54 (with buckle)</u>	<u>535</u>	<u>28</u>	<u>Front to rear</u>
<u>L 59-60 (with buckle)</u>	<u>605</u>	<u>27</u>	<u>Front to rear</u>

Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

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

All values are within the limits of the regulation.

Helmet Size	Headsize	angle of movement (max. 30°)	Remarks
XS 53-54 (with DD ring)	535	28	Rear to front
L 59-60(with DD ring)	605	28	Rear to front
<u>XS 53-54 (with buckle)</u>	<u>535</u>	<u>24</u>	<u>Rear to front</u>
<u>L 59-60 (with buckle)</u>	<u>605</u>	<u>21</u>	<u>Rear to front</u>

7.10 Microslip-test of the chin strap

All values are within the limits of the regulation.

Movement:	< 5.0 mm	Limit ≤ 10 mm
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7.11 Test for resistance to abrasion of the chin strap

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

7.12 Tests for retention systems relying on quick-release mechanisms

All values are within the limits of the regulation.

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

Resistance of the automatic buckle

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

Type : H331

 Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE 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.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s <sup>2</sup> ]	BrIC	Remark
575	AMB	45°	FLR	M 57-58	2733	0.36	--
575	AMB	45°	Rear	M 57-58	2389	0.35	--
575	AMB	45°	LL	M 57-58	2264	0.35	--
575	AMB	45°	Front	M 57-58	2393	0.40	--
575	AMB	45°	RLR	M 57-58	2711	0.42	--
625	AMB	45°	FLR	XL 61	2403	0.32	--
625	AMB	45°	Rear	XL 61	2077	0.28	--
625	AMB	45°	LL	XL 61	2197	0.32	--
625	AMB	45°	Front	XL 61	2532	0.36	--
625	AMB	45°	RLR	XL 61	2578	0.46	--

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

7.8 Visor tests (for H-03 visor type)

All values are within the limits of the regulation.

Mechanical characteristics [7.8.2.1.]

Helmet size	XL
Conditioning of the visor	Low temp. (-10°C)
no penetration, no sharp splinter	

Mechanical characteristics [High Speed particle test 7.8.2.3.]

Impact speed: 60 m/s, conditioning +50°C and -10°C
Results: no fracture, no deformation

Refractive powers

	Spherical effect [m <sup>-1</sup> ]	Astigmatic effect [m <sup>-1</sup> ]	Horizontal Base [cm/m]		Vertical Base [cm/m]
			Out	In	
Limits	≤ ±0.12	≤ 0.12	≤ 1.00	≤ 0.25	≤ 0.25
Visor test piece 1	-0.04	0.11	0.45	--	0.07
Visor test piece 2	-0.04	0.12	0.41	--	0.07
Visor test piece 3	-0.06	0.10	0.44	--	0.08

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Type : H331

Manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS  
MANUFACTURE CO., LTD.

Optical qualities and scratch resistance

Light diffusion before abrasion test ( ≤ 0,65 cd/m <sup>2</sup> /l )	Light diffusion after abrasion test ( ≤ 5,0 cd/m <sup>2</sup> /l )	Spectral transmittance ( ≥ 0,2τ <sub>v</sub> )
0.23	3.20	0.880
0.41	3.20	0.885
0.45	3.20	0.883

Luminous transmittance / road traffic sign and signals

Luminous transmittance τ <sub>v</sub> (D65) ( > 0,8 ) ( daytime : > 0,35 )	Q <sub>Red</sub> ≥ 0,8	Q <sub>Yellow</sub> ≥ 0,8	Q <sub>Green</sub> ≥ 0,6	Q <sub>Blue</sub> ≥ 0,4
> 80%	Pass	Pass	Pass	Pass
> 80%	Pass	Pass	Pass	Pass
> 80%	Pass	Pass	Pass	Pass

Optical qualities and scratch resistance [7.8.3.]

Refer to visor type approval E1\*22R06/00\*300900\*00

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**Information folder No. HEHUI-H331-01**

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**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023

INFORMATION DOCUMENT FOR TYPE-APPROVAL OF PROTECTIVE HELMETS AND /  
OR<sup>1</sup> OF THEIR VISORS AND /OR<sup>1</sup> OF THEIR ACCESSORIES FOR DRIVERS AND  
PASSENGERS OF MOTOR CYCLES AND MOPEDS

Reason for extension: addition of trade mark, addition of commercial descriptions, addition of new versions, addition of new sizes, addition of new retention system, modification of regulation number.

1. Make (trade name or mark of the manufacturer) : JUST1, ORIGINE, TORC, VCAN
2. Type : H331  
Commercial description(s) : H331, H331B, H331 BT  
Version(s) : H331, H331B
3. Sizes : XS 53-54, S 55-56, M 57-58, L 59-60, XL 61, XL 61-62, XXL 63
4. Name of the manufacturer : SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.
5. Address of the manufacturer : NO.8 FENGJIN ROAD XIDU INDUSTRIAL DEVELOPMENT ZONE FENGXIAN DISTRICT SHANGHAI CHINA
6. Name of the manufacturer's representative : Not applicable
7. Address of the manufacturer's representative : Not applicable

	Type	H331
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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023

Brief description of the helmet : Protective helmet equipped with visor and  
and ~~for~~<sup>1</sup> special accessory for drivers and  
passengers of mopeds and motorcycles

Brief description of visor H-03: Clear visors, made of Polycarbonat  
(PC) with hardened coating on the surface,  
and a thickness of 2.0 mm, used for helmet  
with lower face cover for drivers and  
passengers of motorcycles and mopeds

NOTE:

<sup>1</sup> strikethrough where not applicable

	Type	H331
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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023

ADDITIONAL INFORMATION

Helmet ~~without lower face cover (J)~~ / with protective lower face cover (P) / ~~with non protective lower face cover (NP)~~

Type of visor or visors : H-03, HS-01

Types of helmet to which the visor may be fitted : H331

Helmet ready for specific accessory (SA)/ready for universal accessories (UA) : Specific accessory (SA)

Accessories included in the helmet homologation and functionality : Only for H331B, H331 BT: with an integrated communication system (mark: BLINC,VIPER; model: BL-A4)

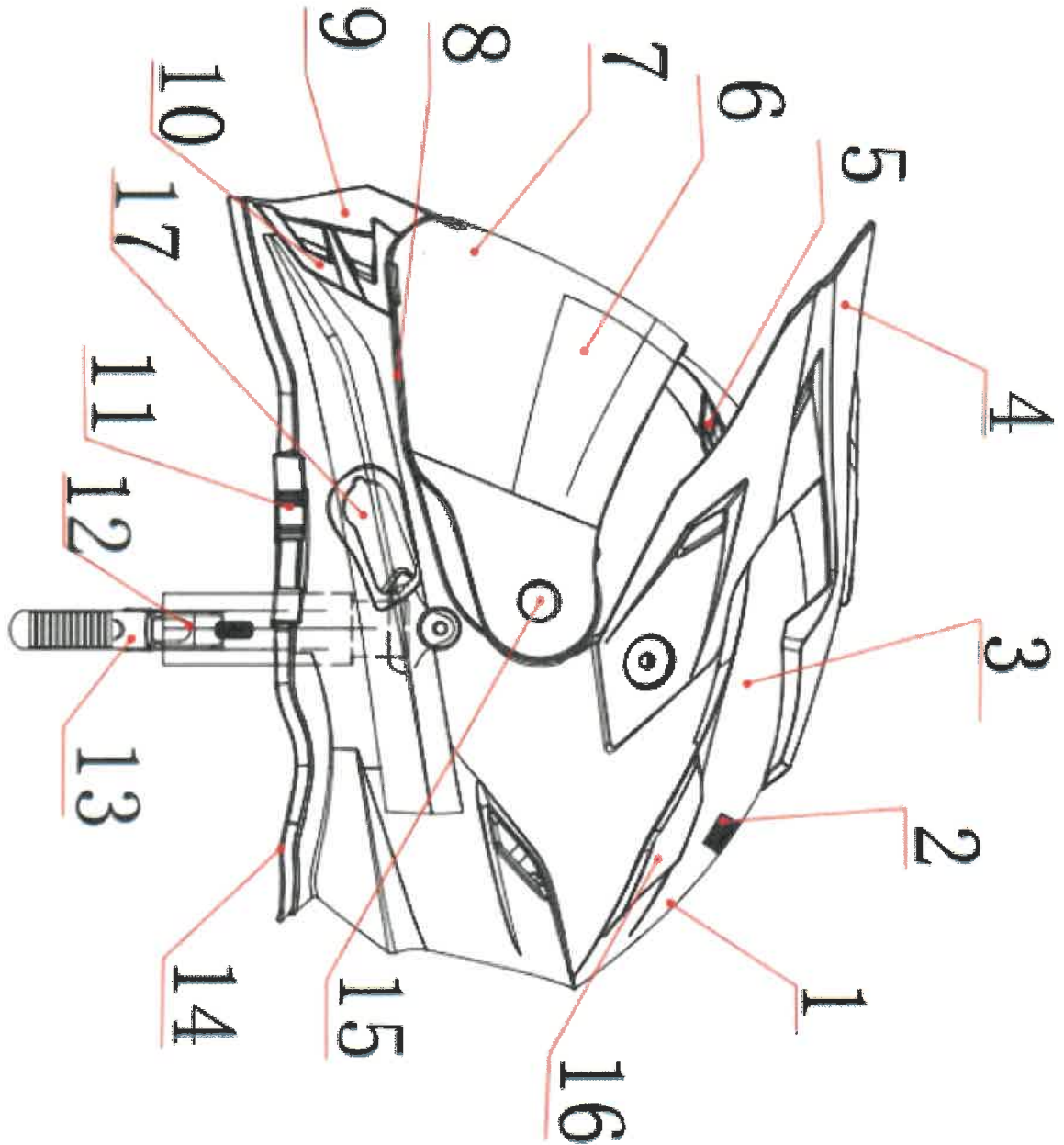
If UA helmet : Not applicable

Name and address of assembly plant : SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.  
NO.8 FENGJIN ROAD XIDU INDUSTRIAL DEVELOPMENT ZONE FENGXIAN DISTRICT SHANGHAI CHINA

Applicable regulation : UN-Reg. No. 22, 06 series of amendments, Suppl. 2

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

	Type	H331
	Page	4 of 26



<b>DRW.</b>	<b>H331-01</b>	<b>Assembly Drawing</b>
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	Type	H331
	Page	5 of 26

**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023

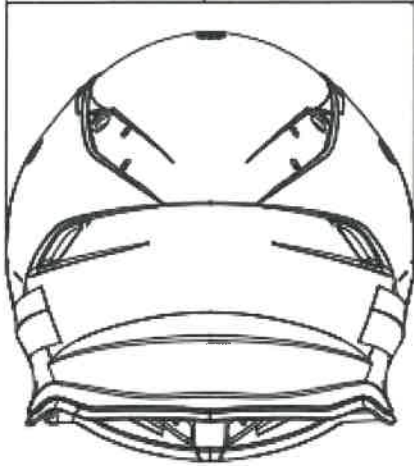
Part No.	Subject or name	Material
1	Outer shell	ABS
2	Protective Padding	EPS
3	Comfortable padding	Synthetic + Fabric + PP
4	Peak	PP
5	Accessories	Plastomer
6	Sunglass visor	PC
7	Visor	PC
8	Eye port trimming	PVC
9	Mouth Protective Padding	EVA
10	Accessories	Plastomer
11	Accessories	Plastomer
12	China strap(left)	Synthetic + Fabric + Nylon
13	China strap(right)	Synthetic + Fabric + Nylon
14	Bottom trimming	PVC
15	Accessories	Plastomer
16	Accessories	Plastomer
<u>17</u>	<u>Special accessories (only for H331B, H331 BT)</u>	<u>Mark:BLINC,VIPER; model: BL-A4</u>
		<b>Material list of parts</b>

	Type	H331
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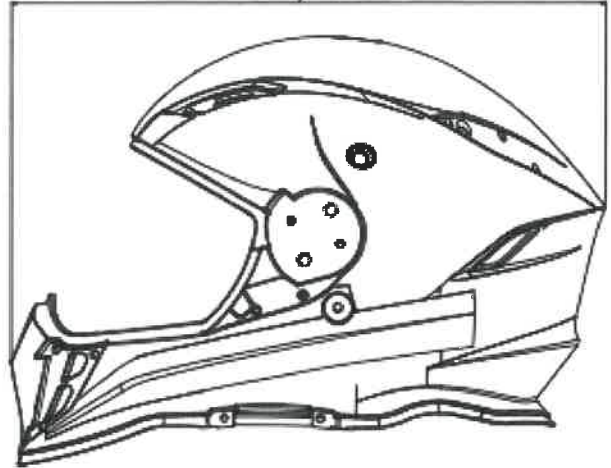
R22 E1\*22R06/02\*300899\*02

R22 E1\*22R06/02\*300899\*02

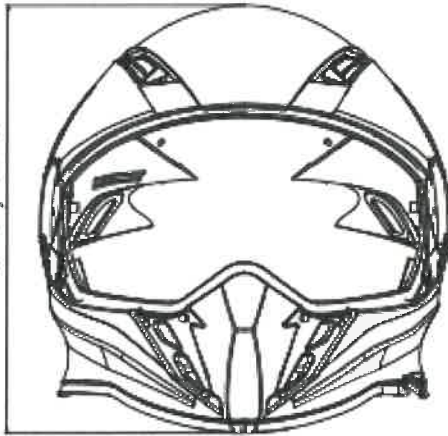
257, 9mm



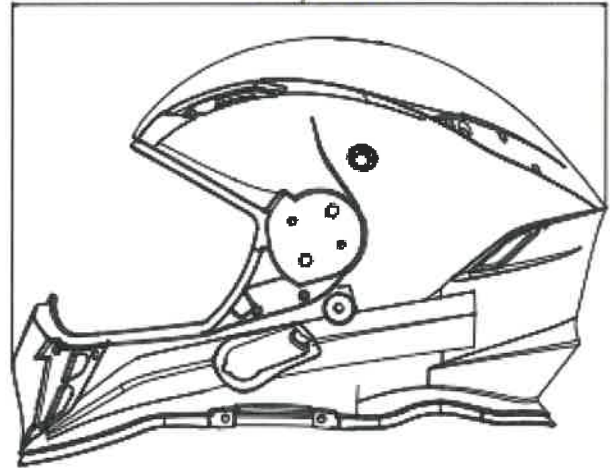
373, 8mm



269, 6mm



373, 8mm



DRW.

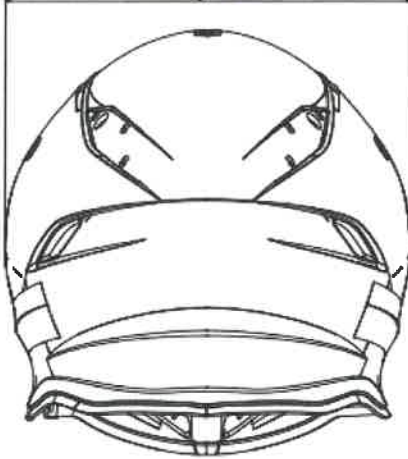
H331-02

Helmet section view  
(for sizes XS-M)

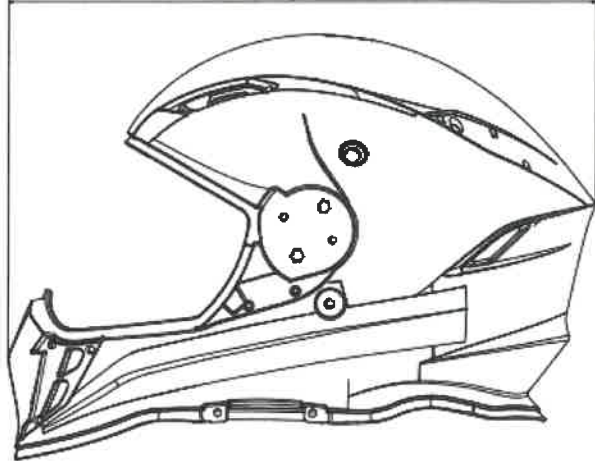
Type H331

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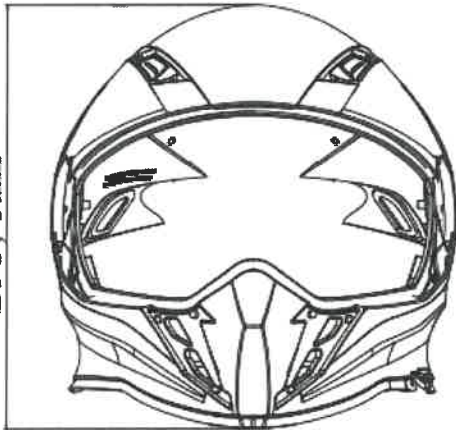
263, 2mm



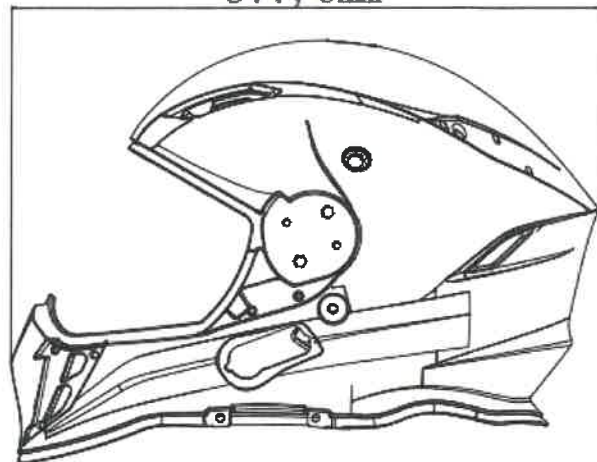
377, 6mm



293, 9mm



377, 6mm



DRW.

H331-03

Helmet section view  
(for sizes L-XXL)

Type H331

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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023

**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	3.5	3.3	3	2.5
S	3.5	3.5	3.3	3	2.5
M	3.5	3.5	3.3	3	2.5
L	3.4	3.4	3.4	3.6	2.6
XL 61	3.4	3.4	3.4	3.6	2.6
<u>XL 61-62</u>	<u>3.4</u>	<u>3.4</u>	<u>3.4</u>	<u>3.6</u>	<u>2.6</u>
<u>XXL</u>	<u>3.4</u>	<u>3.4</u>	<u>3.4</u>	<u>3.6</u>	<u>2.6</u>

**Impact absorption material thickness in millimeter, LINER**

Size	Section B-Point	Section P-Point	Section R-Point	Section X-Point	<u>Section S-Point (EVA)</u>
XS	35	42	37.4	33.1	<u>22</u>
S	35	42	37.4	33.1	<u>22</u>
M	35	42	37.4	33.1	<u>22</u>
L	36.8	41	37.2	34	<u>22</u>
XL 61	36.8	41	37.2	34	<u>22</u>
<u>XL 61-62</u>	<u>34.1</u>	<u>41</u>	<u>34.6</u>	<u>33.1</u>	<u>22</u>
<u>XXL</u>	<u>34.1</u>	<u>41</u>	<u>34.6</u>	<u>33.1</u>	<u>22</u>

**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	22	14	55
S	12	12	12	12	50
M	10	12	10	10	45
L	10	12	10	10	40
XL 61	8	12	16	8	35
<u>XL 61-62</u>	<u>8</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>25</u>
<u>XXL</u>	<u>10</u>	<u>12</u>	<u>10</u>	<u>10</u>	<u>20</u>

Type H331

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## Dimension and weight

### 1. Dimension of the shell:

SIZE	Length (mm)	Width (mm)	Height (mm)
XS-M	373.8	257.9	269.6
<u>L-XXL</u>	377.6	263.2	293.9

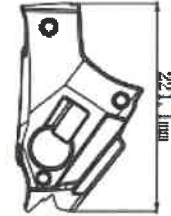
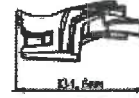
### 2. Total weight of the helmet:

Size	Weight (g)	Tolerance (g)
XS	1530	±50
S	1530	±50
M	1530	±50
L	1670	±50
XL 61	1670	±50
<u>XL 61-62</u>	<u>1670</u>	<u>±50</u>
<u>XXL</u>	<u>1670</u>	<u>±50</u>

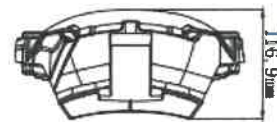
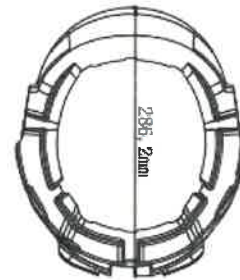
### 3. Specific gravity of the impact absorption liner

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> )	<u>Specific gravity of chin EVA (kg/m<sup>3</sup>)</u>
XS	52	67	31	<u>70</u>
S	52	67	31	<u>70</u>
M	52	67	31	<u>70</u>
L	46	58	29	<u>70</u>
XL 61	46	58	29	<u>70</u>
<u>XL 61-62</u>	<u>60</u>	<u>80</u>	<u>23</u>	<u>70</u>
<u>XXL</u>	<u>60</u>	<u>80</u>	<u>23</u>	<u>70</u>

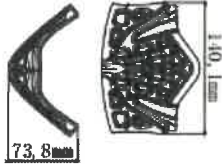
	Type	H331
	Page	10 of 26



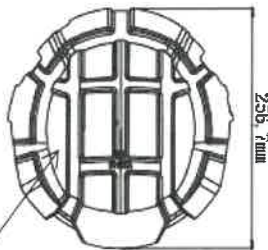
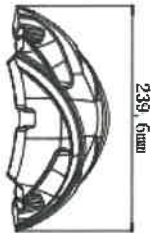
EPS-Ear Protective Padding  
for sizes XS-M



EPS-Protective Padding  
for sizes XS-M



EVA-Mouth Protective Padding  
For sizes XS-XL



EPS-Top Protective Padding  
for sizes XS-M

Production year label: On EPS-Protective Padding

DRW.	H331-04	EPS details (for sizes XS-M)
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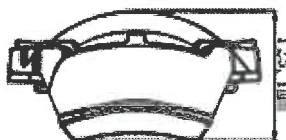
	Type	H331
	Page	11 of 26

**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023



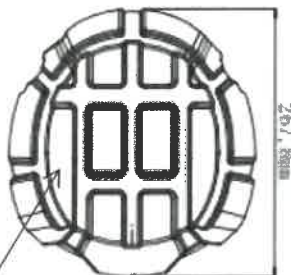
EPS-Far Protective Padding  
for sizes L-XL61



EPS-Protective Padding  
for sizes L-XL61



EPS-Top Protective Padding  
for sizes L-XL61

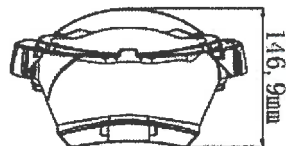
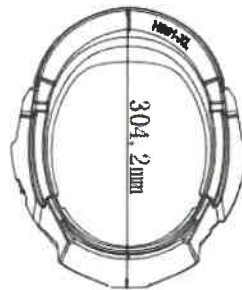
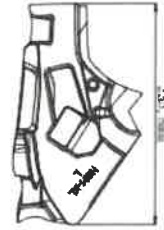
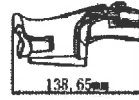


Production year label: On EPS-Protective Padding

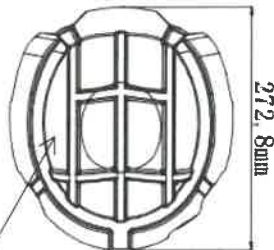
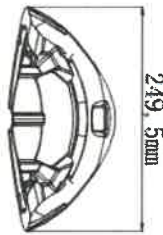
DRW.	H331-05	EPS details (for sizes L-XL 61)
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	Type	H331
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EPS-Ear Protective Padding  
 for sizes XL-XXL



EPS-Protective Padding  
 for sizes XL-XXL



EPS-Top Protective Padding  
 for sizes XL-XXL

Production year label: On EPS-Protective Padding

**DRW.**

**H331-06**

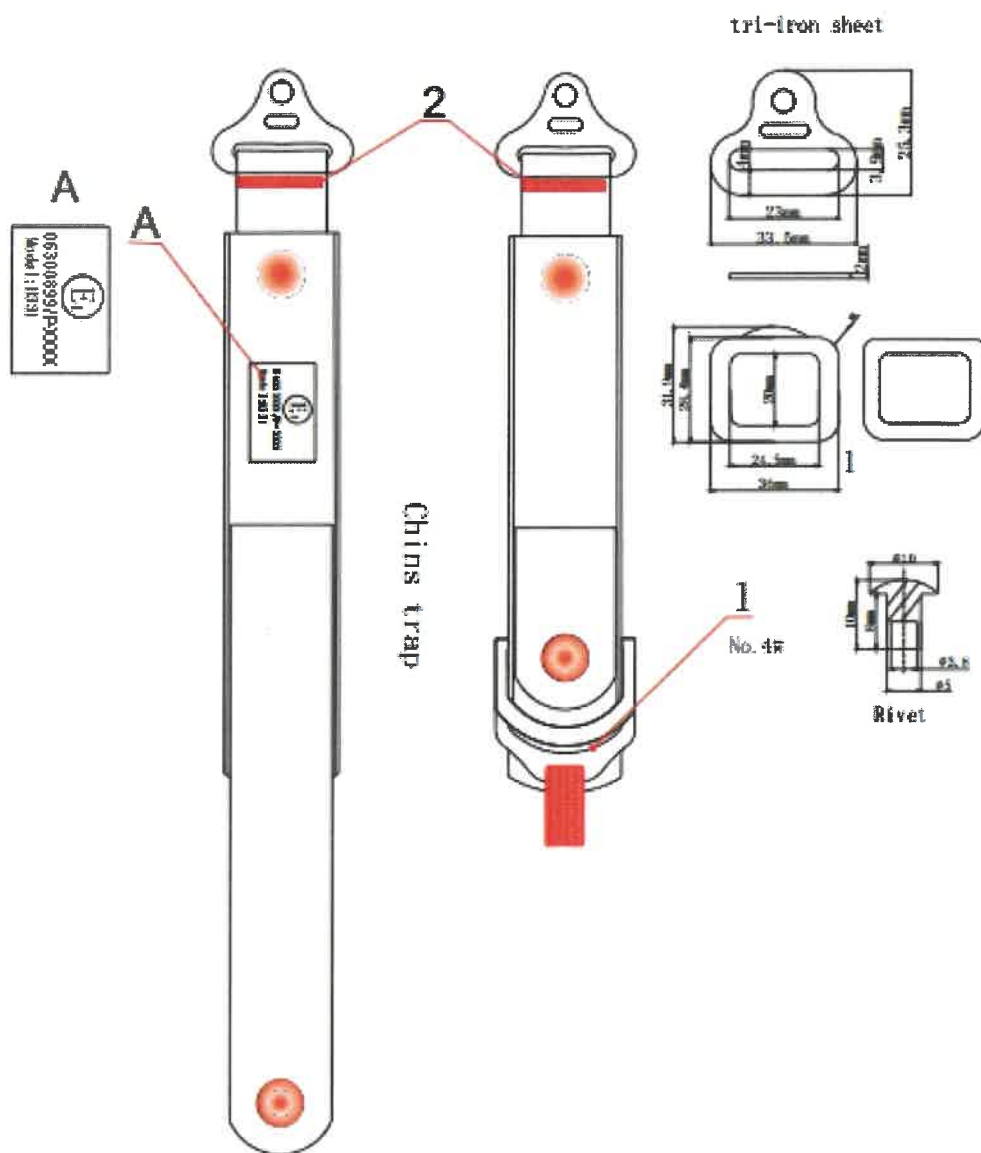
**EPS details  
 (for sizes XL 61-62-XXL)**

Type H331

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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023



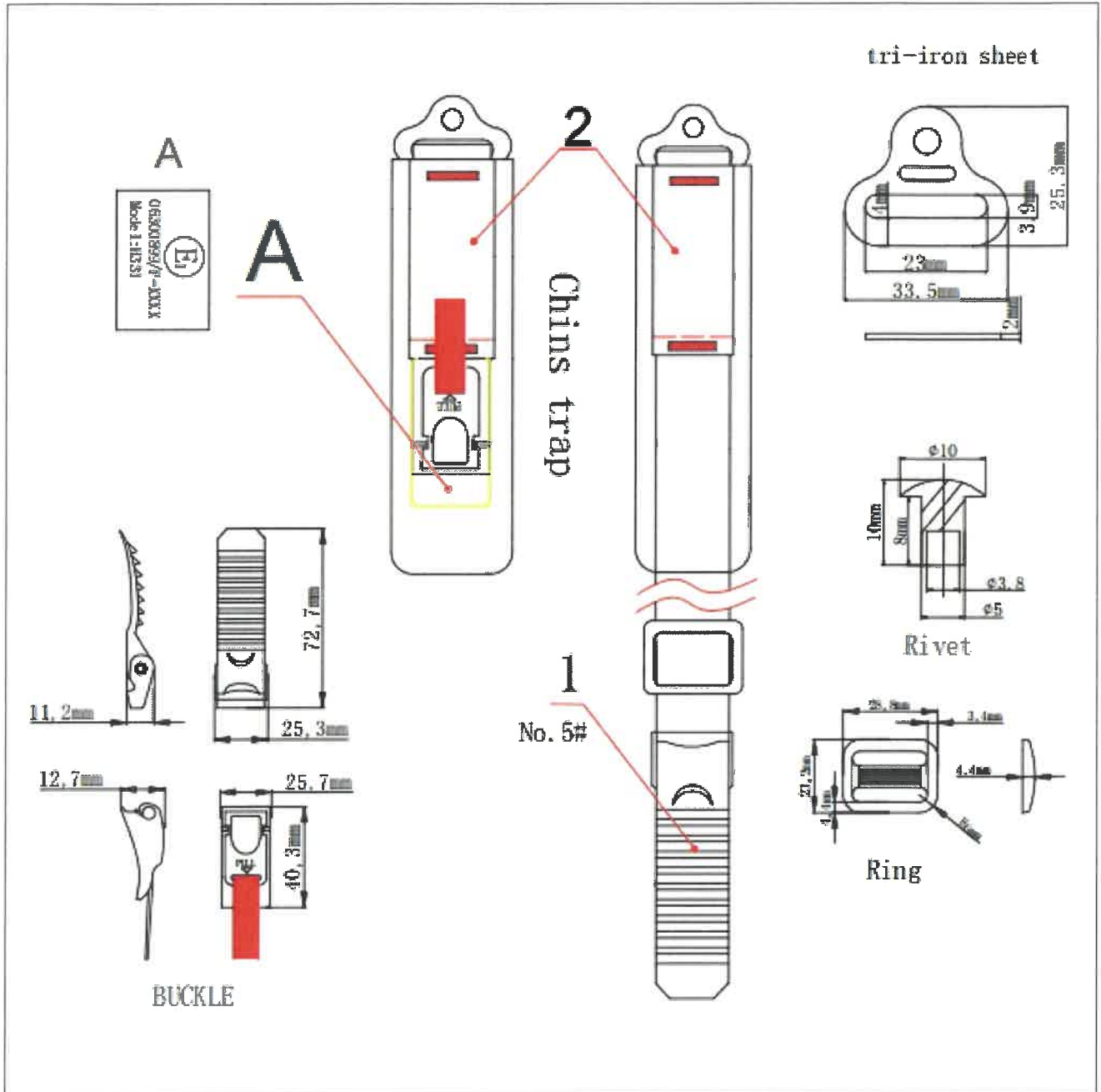
Part No.	Subject or name	Material
1	Buckle	Fe
2	Sewing Line	Nylon
3	Chin strap	Nylon
	<b>DRW.</b>	<b>H331-07</b>
		<b>Retention system (with Double D Ring No. 4#)</b>

	Type	H331
	Page	14 of 26

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SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.  
 Information folder No. HEHUI-H331-01

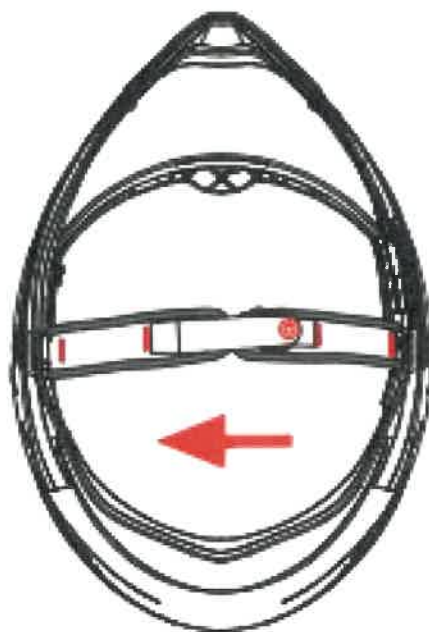
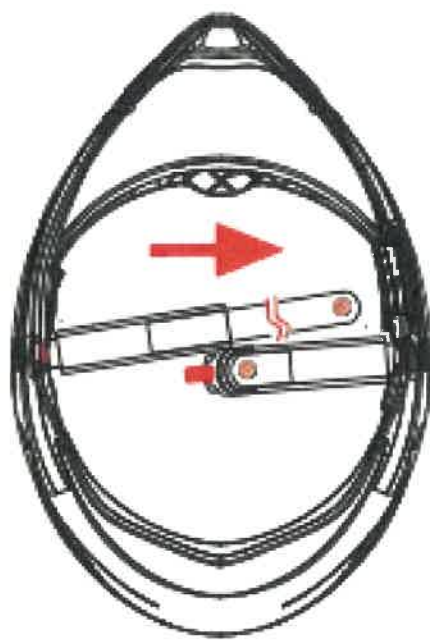
Application date: April 17, 2023



Part No.	Subject or name	Material
1	Buckle	Fe
2	Sewing Line	Nylon
3	Chin strap	Nylon
	<b>DRW.</b>	<b>H331-08</b>
		<b>Retention system (with quick release buckle No.5#)</b>

	Type	H331
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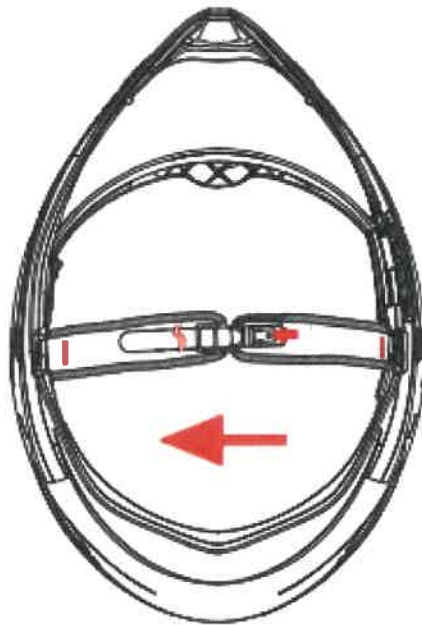
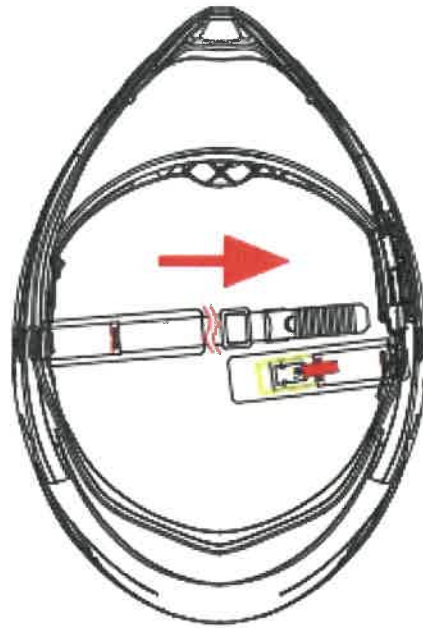
DRW.

H331-09

Retention system, chin strap operation  
 (with Double D Ring No. 4#)

Type H331

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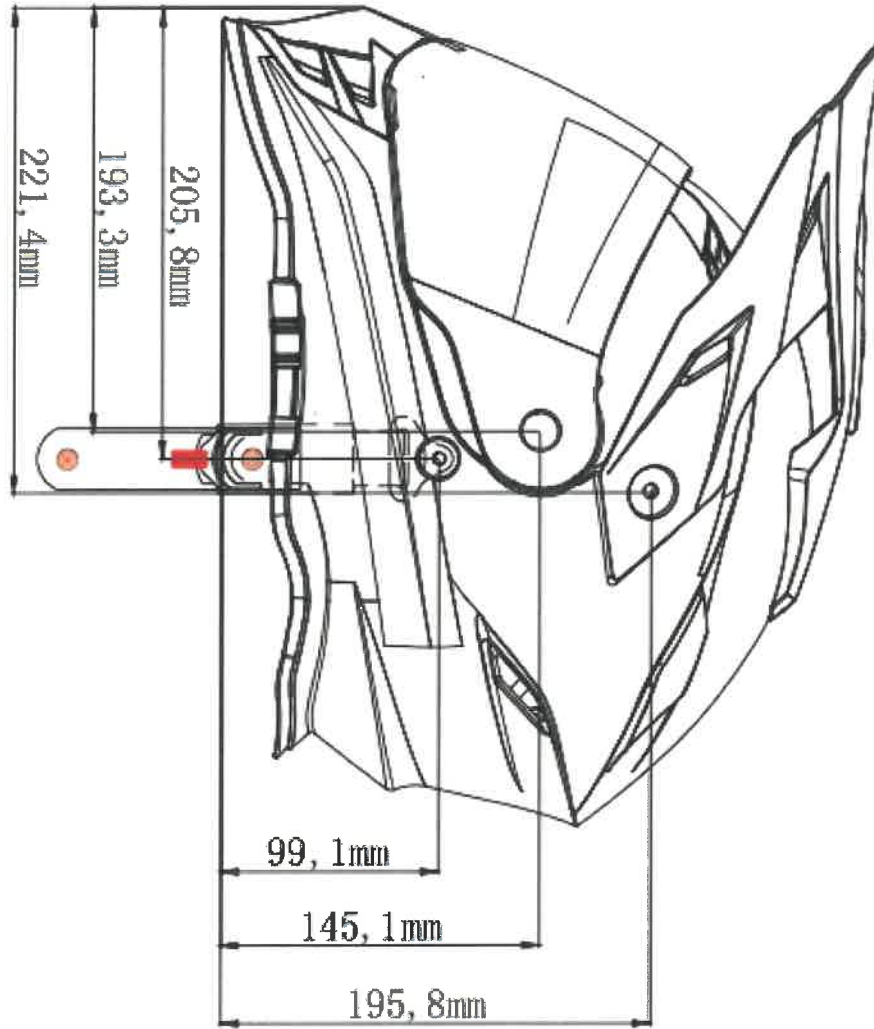
DRW.

H331-10

Retention system, chin strap operation  
(with quick release buckle No. 5#)

Type H331

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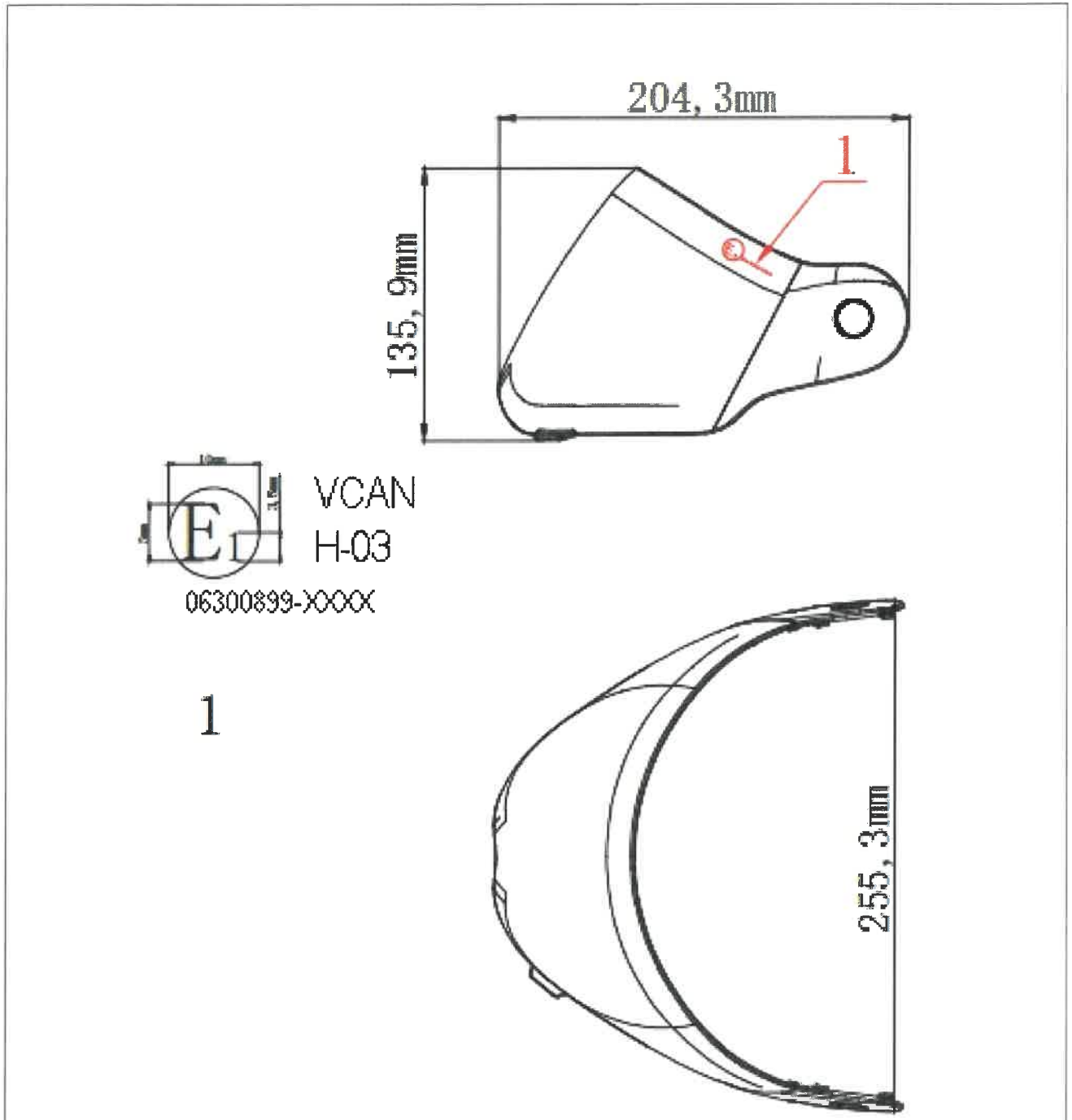
DRW.

H331-11

Retention system, position details

Type H331

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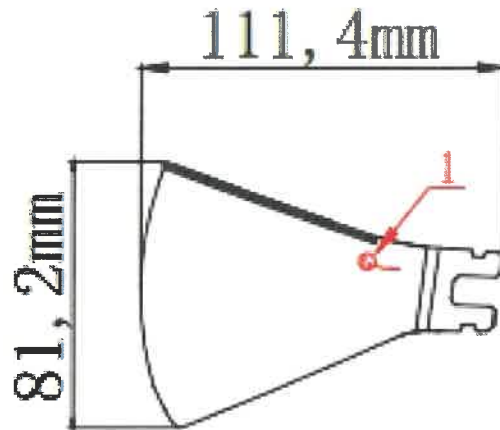


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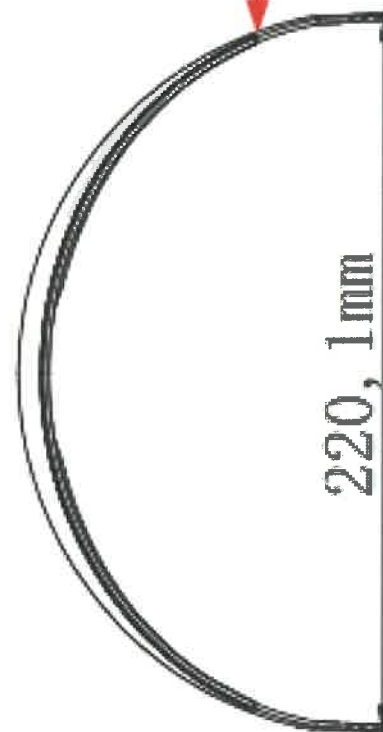
**Remark:**

1. the thickness of visor is 2.0 mm.
2. E-marking (including trade mark, visor name, approval number and serial number).

	<u>DRW.</u>	<u>H331-12</u>	<u>Drawing and details for visor</u> <u>(for visor type of H-03)</u>
		Type	H331
		Page	19 of 26



DAYTIME USE ONLY



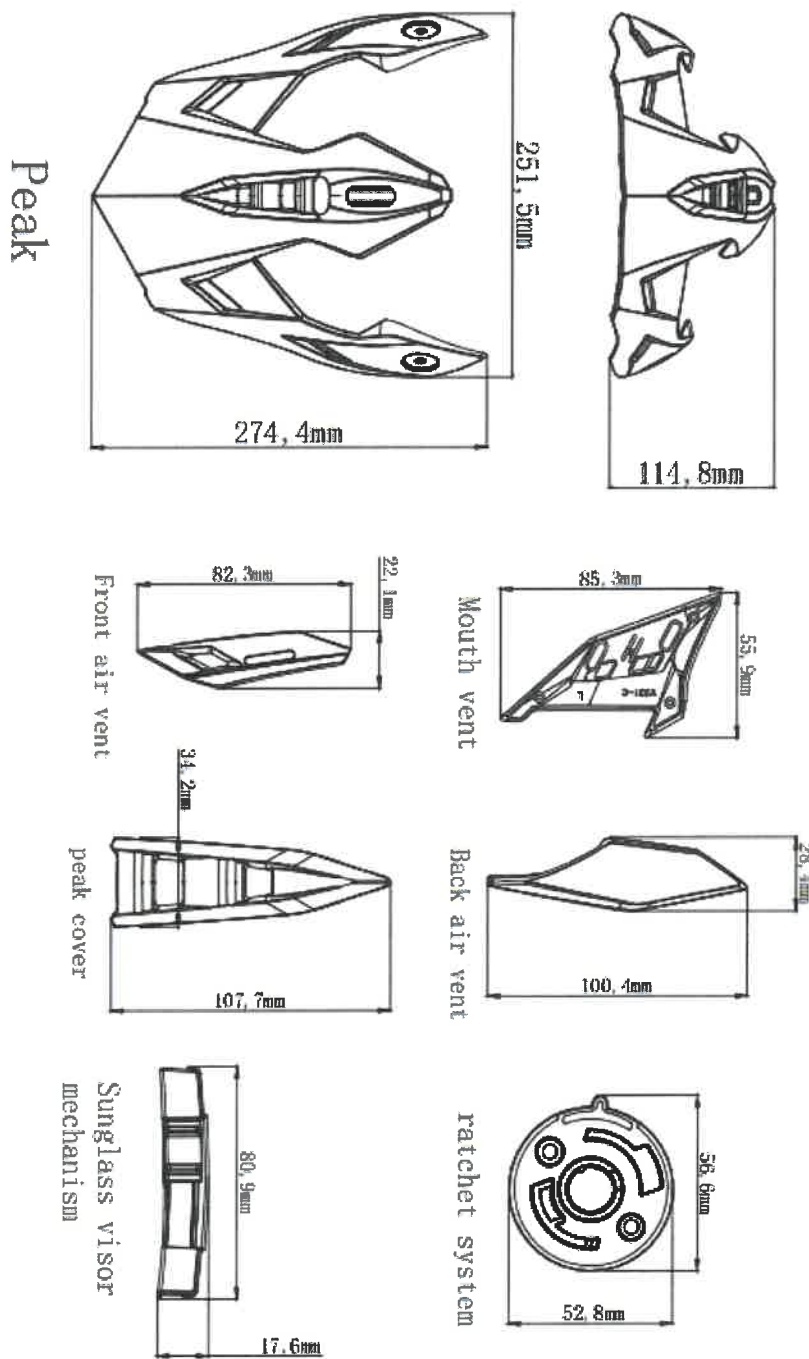
1

Remark:

1. the thickness of sunglass visor is 1.5 mm.
2. E-marking (including trade mark, visor name, approval number and serial number).

DRW.	H331-13	Drawing and details for visor (for visor type of HS-01)
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	Type	H331
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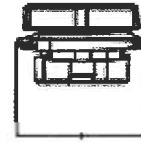
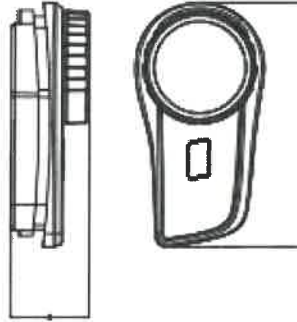
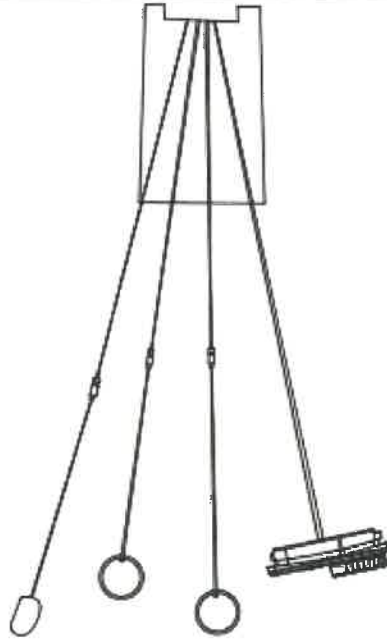


DRW.	H331-14	Accessories
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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

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Wire Size (mm)				
Length of Signal Wire (3)	Length of Connecting Wire of Insulating Part (Karpobon III) Part Part (mm)	Length of Insulating Part of Connecting Wire of Karpobon (II)	Length of Connecting Wire of Karpobon (II)	Remarks: Wire size refers to the visible length with after assembly.
250±2 mm	350±5 mm	350±5 mm	350±5 mm	
Length of Karpobon Wire (I)	Length of Karpobon Wire (II)	Width of Karpobon Wire (I)	Specification of Karpobon and Karpobon Pad (II)	
50±5 mm	235±5 mm	3.7±0.2 mm	910 mm	

a=5mm min

06300899-XXXX-SAcc 



**Remark:**  
 - mark: BLINC,VIPER  
 - model: BL-A4

<b>DRW.</b>	<b>H331-15</b>	<b>Special accessories</b> ( only for H331B, H331 BT)
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	Type	H331
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06300899/P-XXXX

Modle:H331

A=10mm

HELMET TYPE:H331

COLOR OF LABEL:WHITE

COLOR OF PRINT:BLACK

MATERIAL OF LABEL:CLOTH

APPROVAL MARK OF VISOR



06300899-XXXX

H-03

DRW.

H331-16

Approval marking(s)  
(for version of H331)

Type H331

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06300899/P-XXXX/SA

Model: H331B

a=10mm

HELMET TYPE: H331

COLOR OF LABEL: WHITE

COLOR OF PRINT: BLACK

MATERIAL OF LABEL: CLOTH

### APPROVAL MARK OF VISOR



06300899-XXXX

H-03

DRW.

H331-17

Approval marking(s)  
(for H331B, H331 BT)

Type H331

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DRW.	H331-18	Helmet assembly pictures (for version of H331)
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	Type	H331
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**SHANGHAI HEHUI SAFETY PRODUCTS MANUFACTURE CO., LTD.**  
**Information folder No. HEHUI-H331-01**

Application date: April 17, 2023



**DRW.**

**H331-19**

**Helmet assembly pictures**  
**(for H331B, H331 BT)**

	Type	H331
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