

ECE TYPE-APPROVAL CERTIFICATE



Communication Concerning: Approval granted
 ~~Approval extended~~
 ~~Approval refused~~
 ~~Approval withdrawn~~
 ~~Production definitively discontinued~~

of a type of protective helmet ~~without~~/with⁽²⁾ one/~~more~~⁽²⁾ visor type^(s) ~~without~~/with⁽²⁾ one/more⁽²⁾ specific accessory type(s) pursuant to UN Regulation No. 22.

Approval No: **E24*22R06/02*0143*00**

Reason(s) for extension:

- N/A

- | | | |
|----|--|---|
| 1. | Type: | <i>RH359-1</i> |
| 2. | Sizes: | <i>XS (53/54), S (55/56), M (57/58), L/XL (59)</i> |
| 3. | If applicable, name of manufacturer's representative: | <i>N/A</i> |
| 4. | Address: | <i>N/A</i> |
| 5. | Brief description of helmet: | <i>See manufacturer's information document for details</i> |
| 6. | 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) ² | <i>Helmet with protective lower face cover (P)</i> |
| 7. | Type of visor or visors: | <i>FF359-1</i> |

Approval No: **E24*22R06/02*0143*00**

- | | | |
|-----|---|---|
| 8. | Brief description of visor or visors, and inner visor if any: | Visor type: FF359-1
Refer to approval no: E24 22R 060140 |
| 9. | Helmet ready for specific accessory (SA)/ready for universal accessories (UA) ⁽¹⁾ : | N/A |
| 10. | Accessories included in the helmet homologation and functionality: | N/A |
| 11. | If UA helmet, speakers (S or S45)/Microphone (M)/ Front mounting (F)/Side mounting (L), Rear mounting (R) ⁽¹⁾ : | N/A |
| 12. | Submitted for approval on: | 08.09.2023 |
| 13. | Technical service responsible for conducting the approval tests: | CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma |
| 14. | Date of report issued by that service:: | 05.09.2023 |
| 15. | Number of report issued by that service: | CN-40-17-286-COM23-07956-IR |
| 16. | Comments: | N/A |
| 17. | Approval granted/ extended/refused/withdrawn : | Granted |
| 18. | Place: | Dublin |
| 19. | Date: | 01st December, 2023 |
| 20. | Signature:  |  |
| 21. | The following documents, bearing the approval number shown above, are available on request:

-Test report
-Information Package | |

¹ Distinguishing number of the country which has granted/extended/refused/withdrawn an approval (see approval provisions in the Regulation).

² Strike out what does not apply



Approval No: E24*22R06/02*0143*00

Index to the Information Package

Date of issue:	<i>01st December, 2023</i>
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>
1. Additional conditions, and advisory notes on legal alternatives.	
2. Test report(s)	
- numbers(s):	<i>CN-40-17-286-COM23-07956-IR</i>
- date of issue:	<i>05.09.2023</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>RH359-1-00-R22</i>
- date of issue:	<i>26.07.2023</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>40 pages</i>



Approval No: E24*22R06/02*0143*00

Appendix: **Additional conditions, and advisory notes on legal alternatives**

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.



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Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

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Mutual Recognition Agreements

Protective Helmets and their Visors for Drivers and Passengers of Motorcycles and Mopeds

0. Legislation:

0.1. Requirements according to : UNECE Regulation No.22.06 to Supplement 2

1. General

1.1. Reason for Inspection Report : New approval / Extension of approval / Test report only / COP

1.2. Manufacturer's Representative(s) : N/A

1.3. Data of test : From 14/08/2023 to 18/08/2023

2. Type : RH359-1

2.1. Variant/Version : N/A

2.2. Commercial Name : N/A

2.3. Category of vehicle : N/A

3. Conclusion:

3.1. Final conclusion of the inspection: The above mentioned type was tested in accordance with the above mentioned legislation and was found to comply in all respects. This Inspection report relates only to the items tested.

Signature: : 

Name: : John Jiang

Position: : Type Approval Engineer



Massimo Peraboni

Tech. Mgr.

4. List of annexes:

Annex Nr.	Page Nr.	Subject
Annex I	2	: Appendix 1 - Test report history
Annex II	2-4	: Appendix 2 – General specification
Annex III	4-16	: Appendix 3 – Inspection results
Annex IV	18-19	: Appendix 4 - Photographs



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Annex V --- : CN-40-17-286-COM23-07956A-IR Production Qualification

APPENDIX 1 - TEST REPORT HISTORY

List this report and previous reports, with extension details.

Inspection Report Number	Reason for Extension	Date of Issue
CN-40-17-286-COM23-07956-IR	N/A	05/09/2023

APPENDIX 2 – GENERAL SPECIFICATION

1. **Worst Case Rationale** : The largest size of each combination shell size and protective padding of each helmet type shall be tested for impact absorption, rotational and rigidity. For impact absorption on extra point, Hi and Low energy impacts and tests of the retention system, helmet sizes shall be chosen such that the helmet to be tested shall be that offering the likely least favourable conditions (such as thickest padding, etc.).
2. **Significant Interpretations, Alternative Test Methods, New Technologies** : N/A
3. **Summary of test results** :
- 3.1. **Applicability**

	PASS	FAIL	N/A	If covered previous test see approval/Report Nr.
Markings:	☒	☐	☐	
General Specifications:	☒	☐	☐	
Helmet test				
Impact Absorption:	☒	☐	☐	
Std Linear Impact:	☒	☐	☐	
Linear Extra Point Impact:	☒	☐	☐	
Linear Hi/Low Energy Impact	☒	☐	☐	
Projection and Surface Friction:	☒	☐	☐	
Rigidity:	☒	☐	☐	
Retention System (Dynamic):	☒	☐	☐	
Retention (Detaching):	☒	☐	☐	
Micro-slip of the Chin Strap:	☒	☐	☐	
Resistance to Abrasion of the Chin Strap:	☒	☐	☐	
Retention Systems Relying on Quick Release Mechanism:	☐	☐	☒	
Tests for Oblique impact and measurement of rotational acceleration:	☒	☐	☐	
Visor Test	☐	☐	☒	
Sun shield tests	☐	☐	☒	



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PASS FAIL N/A

**If covered previous test see
approval/Report Nr.**

Accessories tests

Note: Cancel where is not applicable

☐ ☐ ☒

4. Components specification¹

Test Object

☒	Protective helmet (with visor)
☐	Visor (with/without inner visor)
☐	Accessories

Protective Helmet

Type	:	RH359-1	
Sizes	:	XS (53/54), S (55/56), M (57/58), L/XL (59)	
Helmet types	:		(J) Jet
		x	(P) Full face
			(NP) Jet
			(P/J) Modular helmet

Visor	:	Type: FF359-1 Refer to approval no.: E24 22R 060140
--------------	---	--

Sun shield	:	N/A
-------------------	---	-----

Accessories	:	N/A
--------------------	---	-----

¹Note: Cancel where is not applicable

5. Facility and Equipment Checks

5.1. Calibration certificates checked and valid, recorded in the following table

: Conform

5.2 All instruments are equipped with identification label

: Yes

5.3 Calibration certificates are complete of calibration-chain with detailed information regarding primary used.

: Yes

Equipment	Serial / Certificate No.	Calibration due*
Helmet drawing machine	CN CJ202301070	01/03/2024
Impact test machine	CN LJ202311833	20/07/2024
Helmet retention test machine	CN LJ202300097	04/01/2024
Humidity & Temperature Chamber	CN J202211011330A-0001	16/11/2023
High/Cold conditioning	CN RT202223222	24/11/2023
Cold conditioning	CN J202301031824A-0001	12/01/2024



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Water spray conditioning	CN LJ202311808	20/07/2024
Rigidity test machine	CN LJ202304846	06/04/2024
Projections test machine	CN CJ202219199	07/12/2023

*Specify calibrated date + (interval) or calibration due date.

APPENDIX 3 – INSPECTION RESULTS

		PASS	FAIL	N/A
Markings				
4.1.1.	On the helmet, it bears the applicant's trade name or mark, and an indication of the size and, if appropriate, an indication of the unsuitability of the lower face cover to offer any protection against impacts to the chin.	☒	☐	☐
4.2.	For application for approval of a visor type, the visor shall bear the applicant's trade name or mark and, if appropriate, an indication of the unsuitability of the visor for use during the hours of darkness or in conditions of poor visibility.	☒	☐	☐
4.3.	Marking is not placed within the main visibility area.	☒	☐	☐
4.4.	The accessories submitted for approval in conformity with paragraph 3.3. above shall bear the applicant's trade name or mark.	☐	☐	☒
4.5.	Marking is indelible, clearly legible and in a readily accessible place.	☒	☐	☐
8.2	Raw data of test paragraph 7.13. stored by the technical service and available to the approval authority. (for the purpose of improvement of the Regulation at a later stage.)	☒	☐	☐
General Specifications				
6.1.	Basic construction of the helmet is in the form of a hard outer shell, containing additional means of absorbing impact energy and a retention system.	☒	☐	☐
6.2.	Protective helmet may be fitted with ear flaps and a neck curtain. It may also have a detachable peak, a visor, additional sun shield, electronic equipment or accessories and a lower face cover. If fitted with a non-protective lower face cover, the outer surface of the cover is marked 'Does not protect chin from impacts' and/or with the symbol shown in Figure 1 below, indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin.	☐	☐	☒
				
Note: this symbol or indication must be visible and extend over at least 2 cm ²				
6.3.	No component, accessory or device may be fitted to or incorporated in the protective helmet unless it is designed in such a way that it will not cause injury and that, when it is fitted to or incorporated in the protective helmet, the helmet still complies with the requirements of this Regulation. Accessories shall be fitted in accordance with the helmet manufacturer's instructions and, if it is the case, also in accordance with the accessory manufacturer's instructions. Only	☒	☐	☐



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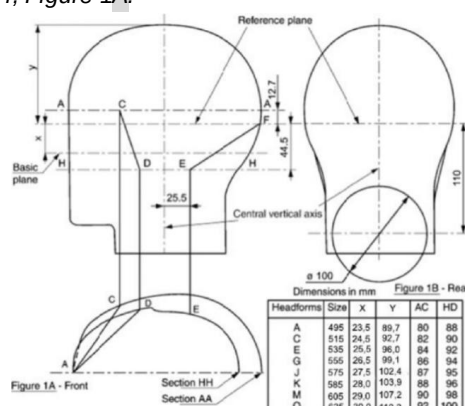
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PASS FAIL N/A

approved helmets and approved accessories according to this Regulation can guarantee the performance of the combination of them.

- 6.3.1 The helmets may be prepared for fitting universal accessories. ☐ ☐ ☒
- 6.3.2 The helmet may incorporate specific accessories. ☐ ☐ ☒
- 6.4.1. Shell covers all areas above plane AA' and extends downwards at least as far as the lines 'CDEF' on both sides of the headform.
Note: See Annex 4, Figure 1A. ☒ ☐ ☐



- 6.4.2. At the rear, the rigid parts and, in particular, the shell shall not be within a cylinder defined as follows (see Annex 4, Figure 1 B):
-Diameter: 100 mm;
-Axis, situated at the intersection of the medium plane of symmetry of the headform and of a plane parallel to and 110 mm below the reference plane.
Note: In case the helmet will be marked as "R" (able to fit rear mounted universal accessories), a rear accessory simulator as defined in Annex 20 will be fitted for the assessment of this requirement. ☒ ☐ ☐
- 6.4.3. Protective padding covers all the areas defined in paragraph 6.4.1, with account being taken of the requirements of paragraph 6.5. ☒ ☐ ☐
- 6.5. Helmet does not dangerously affect the wearer's ability to hear. ☒ ☐ ☐
- 6.5. Temperature in the space between the head and the shell does not rise inordinately.
Note: To prevent this, ventilation holes may be provided in the shell. ☒ ☐ ☐
- 6.5. Where means for attaching a visor are not provided, the profile at the front edge does not prevent the wearing of goggles. ☒ ☐ ☐
- 6.6. All projections from, or irregularities in the outer surface of the shell greater than 2 mm, are tested for shear assessment according to paragraphs 7.4.1 or 7.4.2. The outer surface of the helmet is tested for friction assessment, according to paragraphs 7.4.1 or 7.4.2. This applies in particular to a movable lower face cover in all positions intended by the manufacturer. ☒ ☐ ☐
- 6.7. All external projections are radiused and any external projections other than press-fasteners are smooth and adequately faired. ☒ ☐ ☐
- 6.7.1. All external projections not more than 2 mm above the outer surface of the shell (e.g. rivet heads) have a radius of a minimum of 1 mm. ☒ ☐ ☐
- 6.7.2. All external projections more than 2 mm above the outer surface of the shell ☒ ☐ ☐



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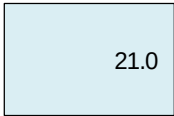
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		PASS	FAIL	N/A
	have a radius of a minimum of 2 mm. <i>Note: Latter specific requirements do not apply if a projection satisfies the requirements in paragraphs 7.4.1 or 7.4.2 below.</i>			
6.8.	There are no inward-facing sharp edges on the inside of the helmet; rigid, projecting internal parts are covered with padding so that any stresses transmitted to the head are not highly concentrated.	☒	☐	☐
6.9.	Various components of the protective helmet are so assembled that they are not liable to become easily detached as a result of an impact.	☒	☐	☐
6.9	In the case of visor and movable or detachable lower face cover, only when in not protective position, the detachment is acceptable provided that it is complete and not to cause possible injuries to the user	☒	☐	☐
6.10.	Retention systems are protected from abrasion.	☒	☐	☐
6.11.	Helmet is held in place on the wearer's head by means of a retention system, which is secured under the lower jaw. All parts of the retention system are permanently attached to the system or to the helmet.	☒	☐	☐
	Chin strap			
6.11.1.	If the retention system includes a chin-strap, the strap is not less than 20 mm wide under a load of 150 N $\pm$ 5 N, applied under the condition prescribed in paragraph 7.6.2:	☒	☐	☐
	 21.0 mm			
6.11.2.	Chin strap does not include a chin cup.	☒	☐	☐
	Adjustment device			
6.11.3.	Chin straps are fitted with a device to adjust and maintain tension in the strap.	☒	☐	☐
	Fastening devices			
6.11.4.	Chin strap fastening and tensioning devices are positioned on the straps so that: -There are no rigid parts extending more than 130 mm vertically below the headform reference plane, with the helmet mounted on the appropriate sized headform* -The whole of the device is between the bony projections of the underside of the lower jaw* <i>*Strikethrough, as appropriate.</i>	☒	☐	☐
6.11.5.	If the retention system includes either a double-D ring or sliding bar fastening device ("roller buckle"), then means are provided to prevent the retention system being completely undone and also to retain the free end of the strap when the retention system is adjusted. (If the retaining system can be opened completely, it must be possible only with voluntary action. To prevent any possible misuse, the helmet must be provided with detailed instructions on the use of the buckle if required.)	☒	☐	☐
	Pulling flap			
6.11.6.	Sliding bar and double-D ring fastening devices are fitted with a pulling flap to be used for releasing the retention system. Its colour is red and its minimum dimensions are 10 x 20 mm.	☒	☐	☐
6.11.7.	If a retention system includes a quick-release mechanism, then the method of release of this mechanism is self-evident. Any levers, tabs, buttons or other components that need to be operated to release the mechanism are coloured red; those parts of the rest of the system that are visible when closed are not	☐	☐	☒



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		PASS	FAIL	N/A
	similarly coloured, and the mode of operation is permanently indicated.			
6.11.8.	Retention system remains closed when the tests described in paragraphs 7.3, 7.6 and 7.7 are carried out.	☒	☐	☐
6.11.9.	Buckle of the retention system is designed so as to preclude any possibility of incorrect manipulation. This means inter alia (among other things) that it is not possible for the buckle to be left in a partially closed position.	☒	☐	☐
6.12.	If the lower face cover is detachable or movable, the lower face cover is fitted with a device that maintains the intended position even during the complete series of impacts and retention (detaching) test. The device is such that incorrect handling is impossible. The control/actuating device must be of red colour. The helmet must comply with the requirements for helmet categories "J", "P" or both.	☐	☐	☒
6.13.	Characteristics of the materials used in the manufacture of helmets are known not to undergo appreciable alteration under the influence of ageing or of the circumstances of use to which the helmet is normally subjected, such as exposure to sun, extremes of temperature and rain. For those parts of the helmet coming into contact with the skin, the materials used are known not to undergo appreciable alteration through the effect of perspiration or of toilet preparations. The manufacturer does not use materials known to cause skin troubles. The suitability of a proposed new material is established by the manufacturer.	☒	☐	☐
6.14.	After the performance of one of the prescribed tests, the protective helmet does not exhibit any breakage or deformation dangerous to the wearer. Note: As example visor sunshield and shell significant cracks or any part partially detached (spoiler, lower face cover, accessories) that can hurt the user while he's rolling on the road.	☒	☐	☐
Peripheral Vision				
6.15.1	The technical service has selected from among the existing sizes of a helmet type the size it considers likely to yield the least favourable result and helmet placed on the headform corresponding to its size by the procedure set out in Annex 5 to this Regulation;	☒	☐	☐
6.15.2				
6.15.3.	There is no occultation in the field of vision bounded by:	☒	☐	☐
6.15.3.1.	- Horizontally: Two segments of dihedral angles symmetrical in relation to the median longitudinal vertical plane of the headform and situated between the reference and the basic planes. Each of these dihedral angles is defined by the median longitudinal vertical plane of the headform and the vertical plane forming an angle of not less than 105° with the median longitudinal vertical plane and whose edge is the straight line LK;	☒	☐	☐
6.15.3.2.	- Upwards: Dihedral angle defined by the reference plane of the headform and a plane forming an angle of not less than 7° with the reference plane and whose edge is the straight line L ₁ L ₂ , the points L ₁ and L ₂ representing the eyes;	☒	☐	☐
6.15.3.3.	- Downwards: Dihedral angle defined by the basic plane of the headform and a plane forming an angle of not less than 45° with the basic plane, and whose edge is the straight line K ₁ K ₂ .	☒	☐	☐
6.16	Visors	☐	☐	☒
6.17	Sun Shield	☐	☐	☒
6.18	Conspicuity Marking	☐	☐	☒
6.19	Accessories	☐	☐	☒



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PASS FAIL N/A

Tests

- 7.1 Each helmet type, fitted with its visor if placed on the market with a visor, conditioned as shown below.

Test	Number of helmets to be conditioned				Total
	ambient-temperature and hygrometry conditioning	Heat conditioning	low-temperature conditioning	ultra- violet radiation conditioning and moisture conditioning	
Impact absorption	2	1	1	1	5
Imp. Abs. extra point	2				2
Hi/Low energy impact	2				2
Rotational	2				2
Projection and surface friction	1				1
Rigidity	2				2
Retention system	1				1
					15

☒ ☐ ☐

- 7.1 Testing Notes:
The largest size of each combination shell size and protective padding of each helmet type shall be tested for impact absorption, rotational and rigidity. For impact absorption on extra point, Hi and Low energy impacts and tests of the retention system, helmet sizes shall be chosen such that the helmet to be tested shall be that offering the likely least favorable conditions (such as thickest padding, etc).
All the types of retention systems available for the helmet must be tested. Supplementary samples could be necessary.
Additionally, for each smaller headform size within the size range of the helmet type two helmets shall undergo the impact absorption test. One helmet shall be heat conditioned, and the other low temperature conditioned. The conditioned helmets shall be impacted against either anvil, in equal numbers if possible, at the choice of the laboratory.

Types of Conditioning

- 7.2 Prior to any type of further conditioning for mechanical tests, as specified in paragraph 7.1., each helmet shall be subject: ☒ ☐ ☐
- 7.2.1. Ambient-temperature and hygrometry conditioning:
The helmet shall be exposed to a temperature of $25\text{ °C} \pm 5\text{ °C}$ and a relative humidity of 50 per cent ± 10 per cent for at least 4 hours. ☒ ☐ ☐
- 7.2.2. Heat conditioning:
The helmet shall be exposed to a temperature of $50\text{ °C} \pm 2\text{ °C}$ for not less than 4 hours and not more than 8 hours. ☒ ☐ ☐
- 7.2.3. Low-temperature conditioning:
The helmet shall be exposed to a temperature of $-10\text{ °C} \pm 2\text{ °C}$ for not less than 4 hours. ☒ ☐ ☐
- 7.2.4. Ultraviolet-radiation conditioning and moisture conditioning.
The outer surface of the protective helmet shall be exposed successively to: ultraviolet irradiation by a 150-watt xenon-filled quartz lamp for 48 hours at a range of 25 cm; spraying for 4 to 8 hours with water at ambient temperature at the rate of 1 litre per minute. ☒ ☐ ☐
- 7.3 **Impact Absorption Tests** ☒ ☐ ☐
- 7.3.1.4. The tests completed not more than five minutes after the helmet is taken from the conditioning chamber.



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7.3. Helmet size: 59 cm

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,400$)	Deceleration (≤ 275 g)
L/XL-1	575	B	Kerbstone	AMB	7.55	891	118
		X	Kerbstone		7.51	936	131
		P	Kerbstone		7.53	1377	168
		R	Kerbstone		7.53	1026	122
L/XL-2	575	B	Flat	AMB	7.55	1405	171
		X	Flat		7.55	1883	224
		P	Flat		7.57	2194	198
		R	Flat		7.53	1791	203
L/XL-3	575	B	Kerbstone	+50	7.51	926	123
		X	Kerbstone		7.51	996	138
		P	Kerbstone		7.51	1408	172
		R	Kerbstone		7.51	1081	135
L/XL-4	575	B	Flat	-10	7.51	1411	173
		X	Flat		7.51	1875	229
		P	Flat		7.55	2220	203
		R	Flat		7.53	1905	208
		S	Flat		6.04	943	194
L/XL-5	575	B	Flat	UV + H2O	7.53	1503	177
		X	Flat		7.55	1819	216
		P	Flat		7.51	2148	200
		R	Flat		7.51	1885	194

7.3. Helmet size: 59 cm

Linear Extra Point Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,400$)	Deceleration (≤ 275 g)
L/XL-6	575	BXL	Kerbstone	AMB	7.56	690	129
		BXPL	Kerbstone		7.53	1086	138
		RXR	Kerbstone		7.51	920	135
		RXPR	Kerbstone		7.51	1172	170
L/XL-7	575	BXL	Flat	AMB	7.54	1227	175
		BXPL	Flat		7.51	1868	184
		RXR	Flat		7.51	904	152
		RXPR	Flat		7.51	2301	233

Extra test locations to be selected from the 12 points listed in section 7.3.4.2.1



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7.3. Helmet size:

59 cm

Linear Hi/Low Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 1,300$)	Deceleration (≤ 180 g)
L/XL-8	575	B	Flat	AMB	6.07	932	148
		X	Flat		6.08	1076	174
		P	Flat		6.05	1183	161
		R	Flat		6.05	1145	173

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,880$)	Deceleration (≤ 275 g)
L/XL-9	575	B	Flat	AMB	8.22	1770	189
		X	Flat		8.22	2411	249
		P	Flat		8.22	2756	247
		R	Flat		8.22	1847	193

7.3. Helmet size:

53/54 cm

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,400$)	Deceleration (≤ 275 g)
XS-1	535	B	Kerbstone	+50	7.62	779	117
		X	Kerbstone		7.59	1210	201
		P	Kerbstone		7.55	1383	176
		R	Kerbstone		7.55	767	121
XS-2	535	B	Flat	-10	7.59	1183	157
		X	Flat		7.62	1498	196
		P	Flat		7.62	1804	194
		R	Flat		7.55	1748	172
		S	Flat		6.02	663	175

Test for Projection and Surface Friction (Method B)

7.4.2.1.3.1.

7.4.2.1.3.2.

Helmet ID Number	Test	Results
M-1	Projection	Pass
M-2	Surface	Pass



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PASS FAIL N/A

Test for projections of the category P/J with movable lower face cover

7.4.3.1	Strength assessment of the movable face cover in the position "J", the helmet placed on the appropriate test head form selected from Annex 4 in compliance with paragraph 7.3.1.3.1.	☐	☐	☒
7.4.3.2	Falling mass of 4 kg $\pm$ 0.01 kg released in guided free fall from a height of 600 $\pm$ 5 mm hooked on to the front part of the chin section in the position "J" in the median vertical plane of the helmet.	☐	☐	☒
7.4.3.3	Test apparatus used to apply a shock load to a helmet secured to the headform by its own retention system. Headform secured in a test fixture with its vertical axis pointing upward at 45° to the direction of gravity. Equipment allows drop weight to slide in a guided free fall to impact a rigid stop anvil. Mass of the guide is 1.0 -0.0 +0.2 kg. Impact speed not less than 95 per cent of the theoretical speed.	☐	☐	☒
7.4.3.4.	Movement such to avoid any possible interference of the chin guard with 100 mm cylinder as defined in paragraph 6.4.2. (Partial detachment is not acceptable.)	☐	☐	☒
Rigidity Tests				
7.5.1.	The test helmets have undergone ambient-temperature and hygrometry conditioning.	☒	☐	☐

Helmet ID Number	Condition	Helmet Size (cm)	Load Direction	Deformation (mm)	
				Max (load 630 N) ($\leq$ 40 mm)	Final (load 30 N) ($\leq$ 15 mm)
L/XL-12	AMB	59	Longitudinal	8.8	1.8
L/XL-13	AMB	59	Transversal	7.5	1.6



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PASS FAIL N/A

Dynamic Test of the Retention System

7.6.1	Helmet is positioned as prescribed in paragraph 7.3.1.3.1.	☒	☐	☐
7.6.2	Set up is as per 7.6.2 and Annex 8, Figure 2	☒	☐	☐
7.6.3	Falling mass of 10 kg $\pm$ 0.1 kg released drops in guided free fall from a height of 750 $\pm$ 5 mm.	☒	☐	☐
7.6.4	During the test, the dynamic displacement of the point of application of the force shall not exceed 35 mm	☒	☐	☐
7.6.5	After two minutes, the residual displacement of the point of application of the force, as measured under a mass of 15 kg $\pm$ 0.5 kg, does not exceed 25 mm.	☒	☐	☐

Helmet ID Number	Helmet Size (cm)	Chin Strap	H.F. Size Number	Extension Dynamic (≤ 35 mm)	Extension Residual (≤ 25 mm)
XS-3	53-54	Double "D" Ring	535	30.5	15.9

PASS FAIL N/A

Retention (Detaching) Test

7.7.1.	The test helmets have undergone ambient-temperature and hygrometry conditioning.	☒	☐	☐
7.7.6.	Modular helmets tested in J and P configuration.	☒	☐	☐

Helmet ID Number	Helmet Size (cm)	Chin Strap	H.F. Size Number	After the Test ($Angle \leq 30^\circ$)	
				Backward	Frontward
XS-3	53-54	Double "D" Ring	535	29	23

PASS FAIL N/A

7.10	Micro-slip Test of the Chin Strap <i>Note: See Annex 8, Figure 4)</i>	☒	☐	☐
------	---	-------------------------------------	--------------------------	--------------------------

Chin strap	Total Slip (≤ 10 mm)
Double "D" Ring	8.92 mm



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PASS FAIL N/A

Test for Resistance to Abrasion of the Chin Strap

Note: See Annex 8, Figure 5.

7.11 .5 Strap tested to a tension of 3 kN without breaking. ☒ ☐ ☐

Chin Strap	Tension of 3 kN
Double "D" Ring	No breaking

PASS FAIL N/A

Tests for Retention Systems Relying on Quick Release Mechanism

7.12.2 Tests carried out as per the procedures of 7.12.2 in the order given. ☐ ☐ ☒

	Chin Strap	Test	Results
7.12.1.	N/A	Inadvertent release by pressure	N/A
7.12.2.	N/A	Ease of release (Max. load $\leq 30\text{ N}$ or $\leq 60\text{ N}$)	N/A
7.12.3	N/A	Durability of quick release mechanisms	N/A

PASS FAIL N/A

Tests for Oblique impact and measurement of rotational acceleration

7.13. The test helmets have undergone ambient-temperature and hygrometry conditioning. ☒ ☐ ☐

Annex 7, 2.4. Coefficient of friction (m) 0.3 ± 0.05 between the outer surface of the head form and the common fabric used in the comfort padding of the helmet. ☒ ☐ ☐

Chin strap force controller "Tightened as for normal use".

Annex 7, 2.5. (This means that the helmet must be tightened before each test after having applied below the chin a rigid cylinder 10 mm diameter at least 30 mm long that will be removed before the test. According paragraph 7.3.1.3.) ☒ ☐ ☐

Annex 7, 2.6. Instrumentation for measuring the head kinematics during impact calibrated in line with Annex 7, 2.6. ☒ ☐ ☐

Annex 7, 2.7. Headform coefficient of friction calibrated in line with Annex 7, 2.7. ☒ ☐ ☐

Annex 7, 3.1. Helmet placed on a headform of appropriate size in accordance with the requirements of Annex 5. Helmet positioned in accordance to the HPI (helmet positioning index) provided by the manufacturer.

If it is not available, the helmet shall be tipped towards the rear so that the front edge of the helmet in the median plane is displaced by 25 mm. ☒ ☐ ☐

Annex 7, 3.2.2 Anvil (A) as per Annex 7, 3.2.2 and figure 2 ☒ ☐ ☐



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PASS FAIL N/A

Annex 7, 3. Test method in accordance with Annex 7, 3.

☒ ☐ ☐

7.13. Helmet size:

59 cm

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (8.0m/s)	Peak Resultant Acceleration (PRA) $\leq 10,400 \text{ rad/s}^2$	Brain Injury Criterion (BrIC) ≤ 0.78
L/XL-10	575	Front lateral right (45°)	45° Anvil	AMB	8.11	3408	0.33
		Rear (180°)	45° Anvil		8.08	4129	0.39
		Lateral left (270°)	45° Anvil		8.04	3077	0.31
L/XL-11	575	Front (0°)	45° Anvil	AMB	8.06	3817	0.35
		Rear-lateral right (135°)	45° Anvil		8.08	4264	0.41

PASS FAIL N/A

Information for wears

Every protective helmet placed on the market shall bear a clearly visible label with the following inscription in the national language, or at least one of the national languages, of the country of destination:

14.1.

"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"

☒ ☐ ☐

and, if fitted with a non protective lower face cover:

14.1.

"Does not protect chin from impacts" together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin

☐ ☐ ☒

14.1.

If the helmet is ready for accessories: A clear description on where to install the accessories by using the reference mark or marks of paragraph 6.3. as well as clear indications on how to fit the speakers and/or microphone or any other component if it is the case.

☐ ☐ ☒

14.1.

A general warning shall be given to the user concerning the danger of making any alterations or additions to the helmet or visor, without the approval of the Type Approval Authority, that may decrease safety for the user.

☐ ☐ ☒

14.1.

A general warning shall be given to the user concerning the danger of fitting non homologated accessories. Only homologated accessories will maintain the helmet safety.

☐ ☐ ☒

14.1.

A general warning shall be given to the user stating that no accessory shall be mounted on the helmet if some of the symbols, other than location fitting symbols, marked in the accessory homologation is not marked in the helmet homologation label.

☐ ☐ ☒



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14.1.	For location fitting symbols, "F", "L" and "R", a universal accessory will be able to be fitted if it is supplied with a support or supports marked with helmet available accessories fitting locations. The support used shall match the helmet location used. The support marking will add, after the "F" and "R" marking of fitting locations, the symbols "R", if it has to be fitted on the right side of the helmet, or "L" if it has to be fitted on the left side of the helmet.	☐	☐	☒
14.1.	When the accessory has different components to be fitted in different helmet locations, accessory locations marking between brackets and with a "+" symbol in between location markings, the helmet shall bear all the accessory locations marking displayed between brackets.	☐	☐	☒
14.2.	and, if hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions affect the shell material adversely <i>"Warning" - Do not apply paint, stickers, petrol or other solvents to this helmet"</i>	☒	☐	☐
14.3.	Every protective helmet shall be clearly marked with its size and its maximum weight, to the nearest 50 grammes, as placed on the market. The maximum weight quoted should include all the accessories that are supplied with the helmets, within the packaging, as it is placed on the market, whether or not those accessories have actually been fitted to the helmet.	☒	☐	☐
14.4.	Every protective helmet offered for sale shall bear a label showing the type or types of visor that have been approved at the manufacturer's request.	☒	☐	☐
14.5.	Every visor offered for sale shall bear a label showing the types of protective helmet for which it has been approved	☒	☐	☐
14.6.	Every visor placed on the market with a protective helmet shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain:	☒	☐	☐
14.6.1.	General Instruction for Storage and Care	☒	☐	☐
14.6.2.	Specific instructions for cleaning and their notice of use. These instructions shall include a warning regarding the dangers of using unsuitable agents for cleaning (such as solvents), especially if abrasion resistant coatings are to be preserved.	☒	☐	☐
14.6.3.	Advice as to the suitability of the visor for use in conditions of poor visibility and during the hours of darkness. The following warning shall be included:	☒	☐	☐
14.6.3.1.	Visors with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility.	☒	☐	☐
14.6.4.	If appropriate, the following warning shall also be included	☐	☐	☒
14.6.4.1.	The fastening of this visor is such that it will not be possible to remove it instantly from the line of sight with one hand should an emergency (such as headlamp glare or misting) occur.	☐	☐	☒
14.6.5.	If the visor is MIST RETARDANT approved it may be indicated	☐	☐	☒
14.6.6.	Instructions regarding the detention of obsolescence	☒	☐	☐
14.7.	Every visor placed on the market as a separate technical unit shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on the protective helmets for which the visor is suitable and information on those aspects specified in paragraphs 14.6.1. to 14.6.6. where such	☐	☐	☒



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information is different to that which accompanied the visor that was placed on the market with the protective helmets for which the visor is stated to be suitable.

- 14.8. Every universal accessory placed on the market shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on how to install it in the suitable helmets and information on those aspects specified in paragraphs 14.6.1. to 14.6.2. The instructions shall refer to the helmet owner manual for the right installation place. A general warning shall be given to the user stating that no accessory shall be mounted on helmets whose symbols, other than location fitting symbols, marked in the helmet homologation label do not include all the symbols marked in the accessory homologation label. A warning shall be given to the user stating that:

☐ ☐ ☒

(a) For location fitting symbols, "F", "L" and "R", the accessory will be able to be fitted if it is supplied with a support or supports marked with helmet available accessories fitting locations. The support used shall match the helmet location used. The support marking is adding, after the "F" and "R" marking of fitting locations, the symbols "R", if it has to be fitted on the right side of the helmet, or "L" if it has to be fitted on the left side of the helmet.

☐ ☐ ☒

(b) When the accessory has different components to be fitted in different helmet locations, the accessory locations marking are between brackets and with a "+" symbol in between location markings, the helmet shall bear all the accessory locations marking displayed between brackets.

☐ ☐ ☒

A warning shall be given to the user both in the packaging and in the owner's manual indicating the left or right mounting position possibilities of the accessory.

☐ ☐ ☒

- 14.9. For universal accessory the following label shall be included in the instructions provided by the accessory manufacturer:

☐ ☐ ☒

(a) Notice

This is a "Universal" accessory. It is approved to UN Regulation No. 22, 06 series of amendments, for general use in helmets ready for "UA" accessories and it will fit most, but not all, helmets.
A correct fit is likely if the helmet manufacturer has declared in the helmet handbook that the helmet is capable of accepting a "Universal" accessory and it is marked as such in the homologation label of the helmet.
If in doubt, consult either the accessory manufacturer, the helmet manufacturer or the retailer.

- 14.10. Every specific accessory placed in the market shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on how to install it in the suitable helmets and information on those aspects specified in paragraphs 14.6.1. to 14.6.2. The instructions shall refer to the helmet owner manual for the right installation place. A list of helmets with which the accessory has been tested and approved will be provided together with the approval number given to those helmets.

☐ ☐ ☒



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Remarks

None

Note: CETOC TS apply measurement uncertainty to calibrated items but not test results.



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Protective Helmets and their Visors for Drivers and Passengers of Motorcycles and Mopeds

0. Legislation:

0.1. Requirements according to : UNECE Regulation No.22.06 to Supplement 2

1. General

1.1. Reason for Inspection Report : Production Qualification

1.2. Manufacturer's Representative(s) : N/A

1.3. Data of test : From 14/08/2023 to 18/08/2023

2. Manufacturer Details

2.1. Type : RH359-1

2.2. Variant/Version : N/A

2.3. Commercial Name : N/A

2.4. Category : N/A

3. Conclusion:

3.1. Final conclusion of the inspection: The above mentioned type was tested in accordance with the above mentioned legislation and was found to comply in all respects. This Inspection report relates only to the items tested.

Signature: : 

Name: : John Jiang

Position: : Type Approval Engineer



Massimo Peraboni

Tech. Mgr.

4. List of annexes:

Annex Nr.	Page Nr.	Subject
Annex I	2	: Appendix 1 - Test report history
Annex II	2-3	: Appendix 2 – General specification
Annex III	4-7	: Appendix 3 – Inspection results
Annex IV	8	: Appendix 4 – Photos



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APPENDIX 1 - TEST REPORT HISTORY

List this report and previous reports, with extension details.

Inspection Report Number	Reason for Extension	Date of Issue
CN-40-17-286-COM23-07956A-IR	N/A	05/09/2023

APPENDIX 2 – GENERAL SPECIFICATION

1. **Worst Case Rationale** : The largest size of each combination shell size and protective padding of each helmet type shall be tested, tests of the retention system, helmet sizes shall be chosen such that the helmet to be tested shall be that offering the likely least favourable conditions (such as thickest padding, etc.).
2. **Significant Interpretations, Alternative Test Methods, New Technologies** : N/A
3. **Summary of test results** :
- 3.1. **Applicability**

PASS FAIL N/A

If covered previous test see approval/Report Nr.

Helmet test

Impact Absorption Tests:

☒ ☐ ☐

Dynamic Test of the Retention System:

☒ ☐ ☐

Visor Test

☐ ☐ ☒

Sun shield tests

☐ ☐ ☒

Note: Cancel where is not applicable



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4. Components specification¹

Test Object

☐	Protective helmet (without visor)
☒	Protective helmet (with visor)
☐	Visor (protective screen)
☐	Sun shield (additional tinted screen)

Protective Helmet

Type	:	RH359-1	
Sizes	:	XS (53/54), S (55/56), M (57/58), L/XL (59)	
Helmet types	:		(J) Jet
		x	(P) Full face
			(NP) Jet
			(P/J) Modular helmet

Visor	:	Type: FF359-1 Refer to approval no.: E24 22R 060140
--------------	---	--

Sun shield	:	N/A
-------------------	---	-----

¹Note: Cancel where is not applicable

5. Facility and Equipment Checks

5.1.	Calibration certificates checked and valid, recorded in the following table	:	Conform
5.2.	All instruments are equipped with identification label	:	Yes
5.3.	Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Yes

Equipment	Serial / Certificate No.	Calibration due*
Helmet drawing machine	CN CJ202301070	01/03/2024
Impact test machine	CN LJ202311833	20/07/2024
Helmet retention test machine	CN LJ202300097	04/01/2024
Humidity & Temperature Chamber	CN J202211011330A-0001	16/11/2023
High/Cold conditioning	CN RT202223222	24/11/2023
Cold conditioning	CN J202301031824A-0001	12/01/2024

*Specify calibrated date + (interval) or calibration due date.



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APPENDIX 3 – INSPECTION RESULTS

PASS FAIL N/A

Qualifying the Production of Helmets

The production of each new approved type of helmet must be subjected to production qualification tests.

9.2

The first batch is considered to be the production of the first tranche containing a minimum of 200 helmets and a maximum of 3,200 helmets.

-	Random sample of helmets taken from the first batch, divided into homogenous lots of 10, choosing the biggest helmet sizes for each shell size.	☒	☐	☐
-	At least two lots among those subjected to the shock-absorption test shall consist of maximum size helmets.	☒	☐	☐
9.2.1.	Test on the system of retention			
9.2.1.1.	The 10 helmets of the smallest size of each shell subjected to the test of the retention system described in paragraph 7.6.	☒	☐	☐
-	All the types of retention system available for the helmet checked.	☒	☐	☐
9.2.2.	Shock absorption test			
-	From every shell size of helmet type take two groups each with 10 helmets of the largest size.	☒	☐	☐
9.2.2.2.	All of the helmets in a group subjected to the same conditioning treatment and then subjected to the shock absorption test described in paragraph 7.3. at the same point of impact.	☒	☐	☐
-	The conditioning and the anvil for each group chosen by the technical service which conducted the approval tests.	☒	☐	☐
-	The location of the points must be the same for all the helmets of the same batch.	☒	☐	☐
-	The helmets of the same batch can be submitted to test up to three different impact point.	☒	☐	☐
9.2.2.3.	All the shell sizes of a type of helmet submitted to standard linear impact test on the B, X, P, R and S points if present.	☒	☐	☐



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Inspection Results

Standard Linear Impact Test

7.3.

Helmet size:

59 cm

Group	Sample Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,640$)	Acceleration ($\leq 302.5 g$)
1	1	575	B	Kerbstone	+50	7.53	984	131
	2		B	Kerbstone		7.53	917	122
	3		B	Kerbstone		7.51	886	118
	4		B	Kerbstone		7.51	941	127
	5		B	Kerbstone		7.51	892	119
	6		B	Kerbstone		7.53	963	130
	7		B	Kerbstone		7.55	1006	135
	8		B	Kerbstone		7.55	946	125
	9		B	Kerbstone		7.51	995	128
	10		B	Kerbstone		7.53	860	118
1	1	575	X	Kerbstone	+50	7.57	944	133
	2		X	Kerbstone		7.55	902	128
	3		X	Kerbstone		7.55	1036	136
	4		X	Kerbstone		7.51	925	125
	5		X	Kerbstone		7.50	957	129
	6		X	Kerbstone		7.55	993	131
	7		X	Kerbstone		7.55	1036	144
	8		X	Kerbstone		7.53	1007	136
	9		X	Kerbstone		7.51	928	128
	10		X	Kerbstone		7.55	1062	141
2	11	575	P	Flat	-10	7.53	2281	208
	12		P	Flat		7.55	2194	201
	13		P	Flat		7.55	2203	202
	14		P	Flat		7.57	2058	195
	15		P	Flat		7.51	2166	205
	16		P	Flat		7.51	2171	202
	17		P	Flat		7.51	2089	200
	18		P	Flat		7.53	2031	198
	19		P	Flat		7.53	2075	196
	20		P	Flat		7.51	2108	204



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Group	Sample Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	HIC ($\leq 2,640$)	Acceleration (≤ 302.5 g)
2	11	575	R	Flat	-10	7.51	2005	210
	12		R	Flat		7.60	1894	204
	13		R	Flat		7.55	1836	199
	14		R	Flat		7.53	1880	203
	15		R	Flat		7.55	1917	201
	16		R	Flat		7.55	1849	196
	17		R	Flat		7.51	2072	213
	18		R	Flat		7.51	1913	204
	19		R	Flat		7.53	1879	202
	20		R	Flat		7.53	1983	209
2	11	575	S	Flat	-10	6.05	636	147
	12		S	Flat		6.03	821	182
	13		S	Flat		6.01	783	173
	14		S	Flat		6.05	895	190
	15		S	Flat		6.00	583	158
	16		S	Flat		6.03	802	177
	17		S	Flat		6.05	856	183
	18		S	Flat		6.05	1021	191
	19		S	Flat		6.03	749	163
	20		S	Flat		6.05	784	185

Statistical Analysis

Group	Sample Number	Impact Point	Results	S (Standard deviation of the values)	2.4 S	X (Mean of the values)	X + 2.4 S
1	1 - 10	B	HIC	49.5	118.7	939.0	1057.7
			Acceleration	5.9	14.2	125.3	139.5
1	1 - 10	X	HIC	55.3	132.7	979.0	1111.7
			Acceleration	6.1	14.7	133.1	147.8
2	11-20	P	HIC	78.0	187.3	2137.6	2324.9
			Acceleration	4.0	9.7	201.1	210.8
2	11-20	R	HIC	74.8	179.5	1922.9	2102.3
			Acceleration	5.2	12.5	204.1	216.6
2	11-20	S	HIC	123.9	297.3	793.0	1090.3
			Acceleration	14.6	35.0	174.9	209.9



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Dynamic Test of the Retention System

7.6.

Helmet size:

53-54 cm

Sample Number	Extension Dynamic (≤ 38.5 mm)	Extension Residual (≤ 27.5 mm)	Note
21	31.4	16.6	Not damage
22	32.6	17.2	Not damage
23	30.7	15.5	Not damage
24	30.9	16.0	Not damage
25	31.6	16.3	Not damage
26	32.2	18.5	Not damage
27	31.1	16.8	Not damage
28	32.4	17.9	Not damage
29	30.6	15.4	Not damage
30	30.2	16.1	Not damage

Statistical Analysis

Sample Number	Displacement	S (Standard deviation of the values)	2.4 S	X (Mean of the values)	X + 2.4 S Extension dynamic (≤ 35 mm) Extension residual (≤ 25 mm)
21-30	Extension dynamic	0.8	2.0	31.4	33.3
21-30	Extension residual	1.0	2.4	16.6	19.0



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Appendix 4 – Photos



Remarks

None

Note: CETOC TS apply measurement uncertainty to calibrated items but not test results.

INFORMATION DOCUMENT

No.: RH359-1-00-R22

TYPE: RH359-1

Protective helmet
pursuant to

Regulation No. 22.06

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF
PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS AND
PASSENGERS OF MOTORCYCLES AND MOPEDS

Signature of a responsible person:

Date: 26.07.2023

Total Page: 14

A handwritten signature in black ink, consisting of stylized Chinese characters, located at the bottom right of the page.

Type : RH359-1

Date:26.07.2023

Page 2 of 14

1.0 GENERAL INFORMATION

- 1.1 Type : RH359-1
- 1.1.1 Commercial description(s) : N/A
- 1.2 Variants / Versions : N/A
- 1.3 Location and method of affixing of the international approval mark : Marked in a label sewn on the retention system chin strap, see Annex 5

2.0 TECHNICAL DESCRIPTION

- 2.1 Description of the helmet
 - 2.1.1 Type of helmet : Full face
 - 2.1.2 Type of lower face cover : "P" protective
 - 2.1.3 Size (s) : XS(53/54), S(55/56), M(57/58), L/XL(59)
 - 2.1.4 Drawing of the helmet : See Annex 1
 - 2.1.5 Type(s) of visor to which may be Equipped with this helmet : FF359-1
- 2.2 Description of the visor : Type: FF359-1
Refer to approval no.: E24 22R 060140
- 2.3 Description of the sun shield : N/A
- 2.4 Description of the accessory : N/A
- 2.5 Description of the shell
 - 2.5.1 Material : Composite materials
 - 2.5.2 Manufacture method : Bag pressure by molding
 - 2.5.3 Ventilation : See Annex 1
 - 2.5.4 Composition of the border join on the shell : PVC
 - 2.5.5 Drawing of the shell : See Annex 2

2.6 Description of protective padding

2.6.1 Composition : EPS

2.6.2 Density and weight :

Size (cm)	Shell size	Comfort padding thickness +Top Zone (mm)	EPS Density Main + Top + Ear (Kg/m ³)	EPS Padding Thickness (mm)	Main EPS Weight Main + Top + Ear (grams)
XS(53/54)	L	14+12	35+20+50	38-43	91+36+58
S(55/56)	L	12+12	35+20+50	38-43	91+36+58
M(57/58)	L	10+12	45+25+60	35-41	103+43+60
L/XL(59)	L	12+12	45+25+60	35-41	103+43+60

2.6.3 Drawing of the protective padding : See Annex 3

2.7 Description of comfort padding

2.7.1 Composition of Comfort padding : Compound sponge

Comfort tissue : Compound cloth

Protection of the back of the nape : Compound sponge

Lateral packing : Compound sponge

Lower face cover : EPS and PVC

2.7.2 Drawing of the comfort padding : See Annex 4

2.8 Description of the retention system

2.8.1 Chin strap

Material : Nylon

Width : 22±1 mm

2.8.2 Retention system : Double "D" Ring

2.8.3 Comfort padding of the retention system

Composition : Leather and textile

Thickness : 2 mm

2.8.4 Anchorage system to the shell : By means of a metallic piece fixed to the shell by rivets

2.8.5 Drawing of the retention system : See Annex 5

2.9 Other Characteristics

2.9.1 Markings

Make : Outer shell, different location depending on makers

Weight : Rear part of the shell

Size : Rear part of the shell

2.9.2 Indelible marking

How it is made : Sewing

Position : On the chin strap

2.10 Accessories

2.10.1 Peak : N/A

2.10.2 Information for wearer

2.10.2.1 Text : See Annex 6

2.10.2.2 Position : Hang on chin strap

Type : RH359-1

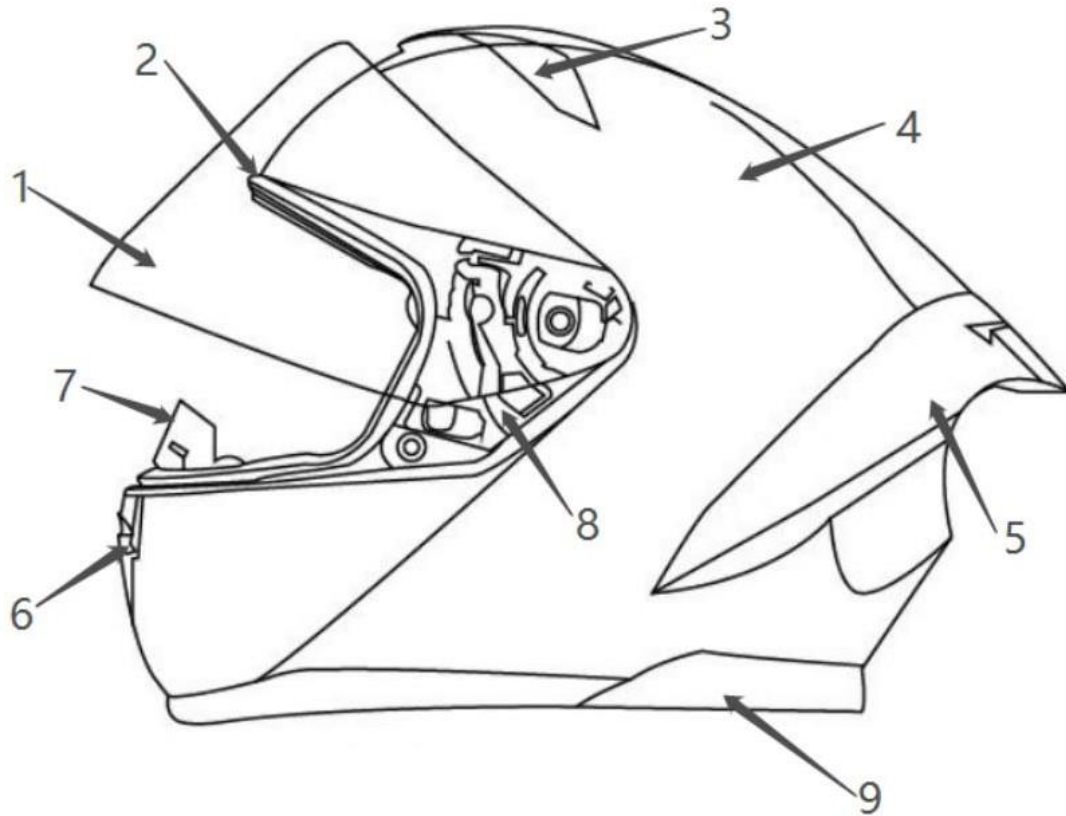
Date:26.07.2023

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ANNEXS

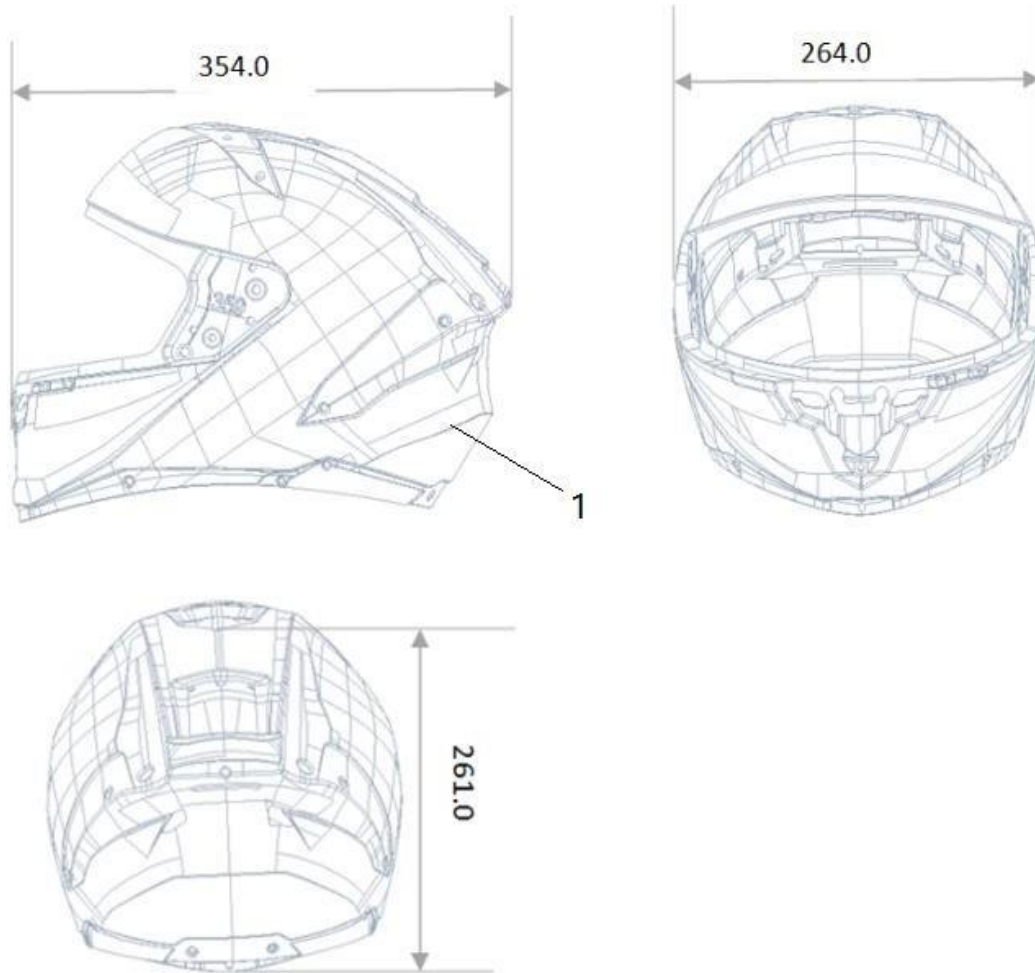
Annex 1	Drawing of the helmet	26.07.2023
Annex 2	Drawing of the shell	26.07.2023
Annex 3	Drawing of the protective padding	26.07.2023
Annex 4	Drawing of the comfort padding	26.07.2023
Annex 5	Drawing of the retention system	26.07.2023
Annex 6	Information for wearer	26.07.2023

Annex 1: Drawing of the helmet



Number	Name	Material	Number	Name	Material
1	Visor	PC	6	Mouth Vent	ABS
2	View Trim	PVC	7	Nose Protector	PVC
3	Front Vents	ABS	8	Pedestal	POM
4	Shell	Composite materials	9	Edge Trim	ABS
5	Rear Vent	ABS			
Description	RH359-1 Helmet		Code No.:	RH359-1.1	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

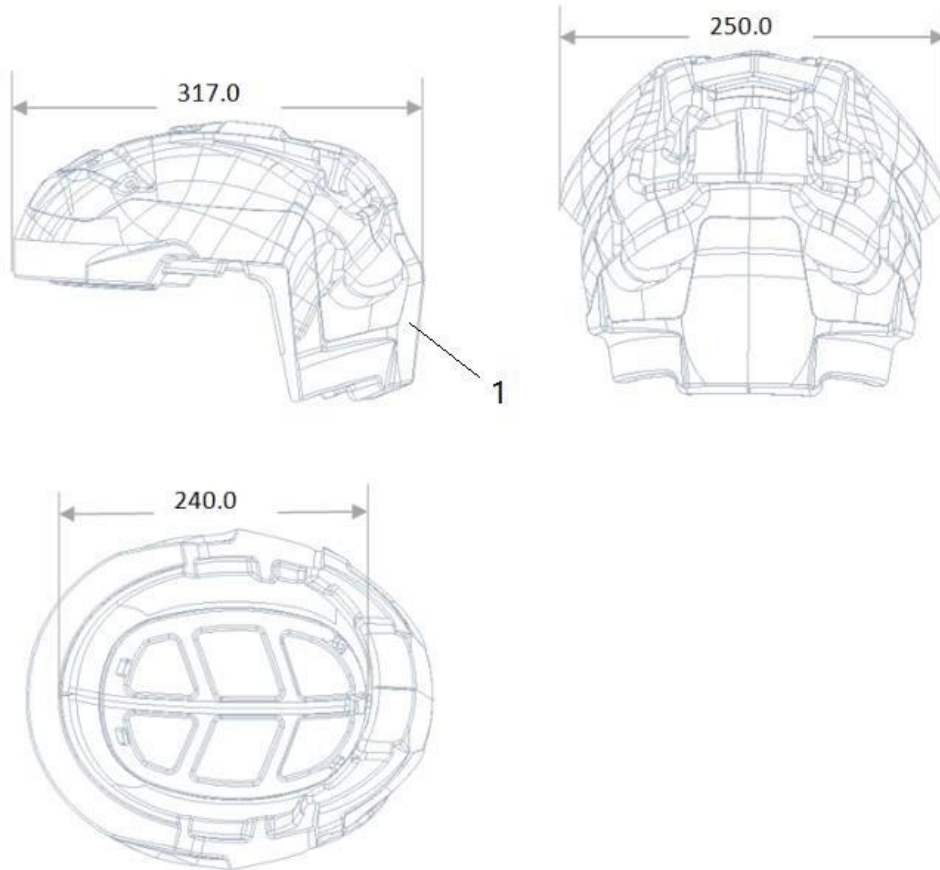
Annex 2: Drawing of the shell



Unit: mm

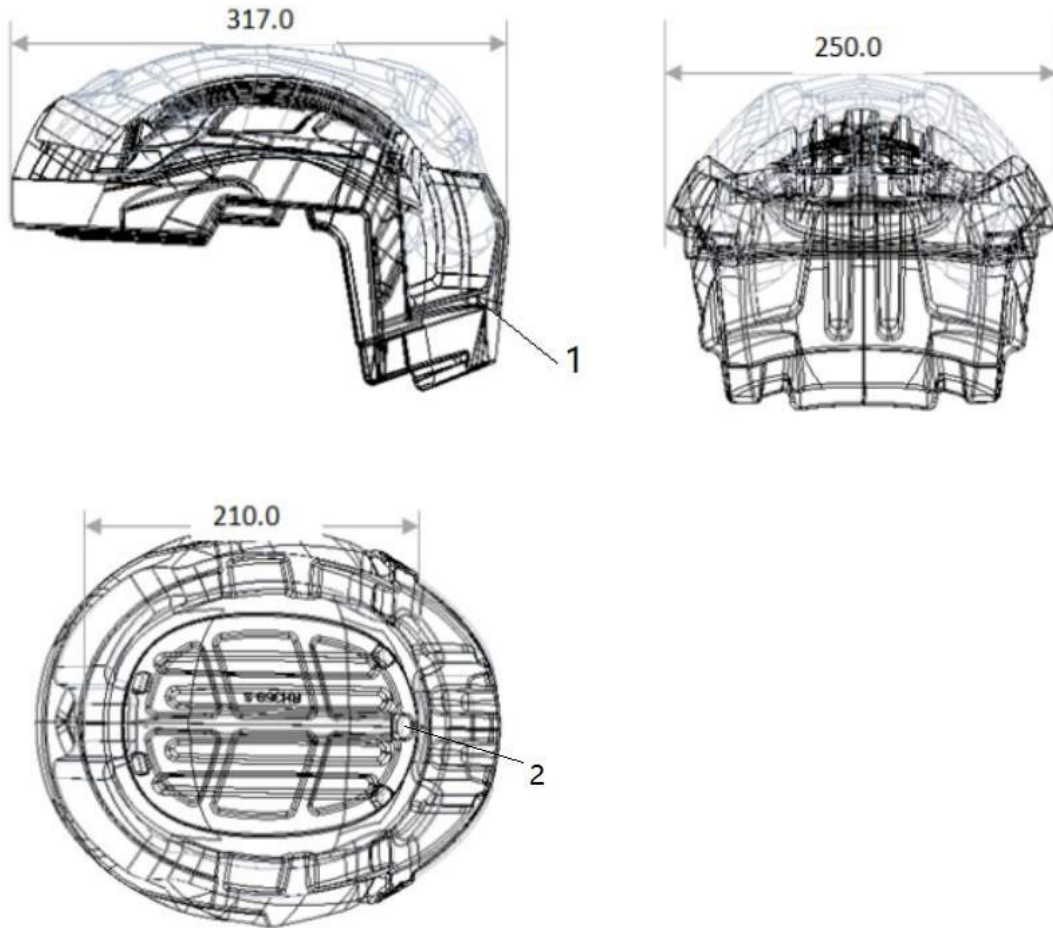
Number	Name	Parameter	Number	Name	Parameter
1	Shell	Composite materials			
Description	RH359-1 Shell		Code No.:	RH359-1.2	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

Annex 3: Drawing of the protective padding



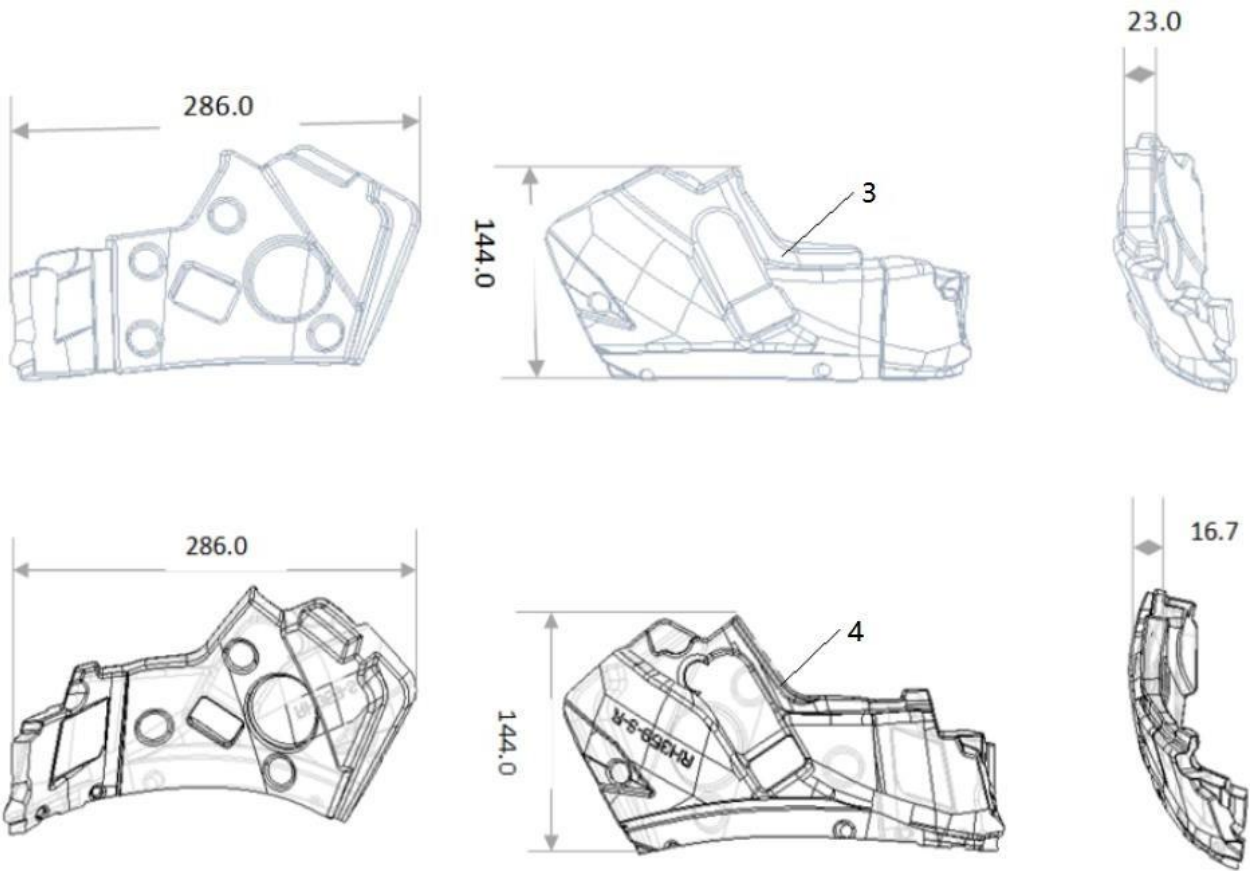
Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS			
Description	RH359-1 Large Main Protective Padding (Suit for M-XL)		Code No.:	RH359-1.3.1	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS	2	EVA (XS)	10*10*1 cm
Description	RH359-1 Small Main Protective Padding (Suit for XS-S)		Code No.:	RH359-1.3.2	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
3	Ear Protective Padding (M-XL)	EPS+2mm EVA	4	Ear Protective Padding (XS-S)	EPS
Description	RH359-1 Ear Protective Padding		Code No.:	RH359-1.3.3	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

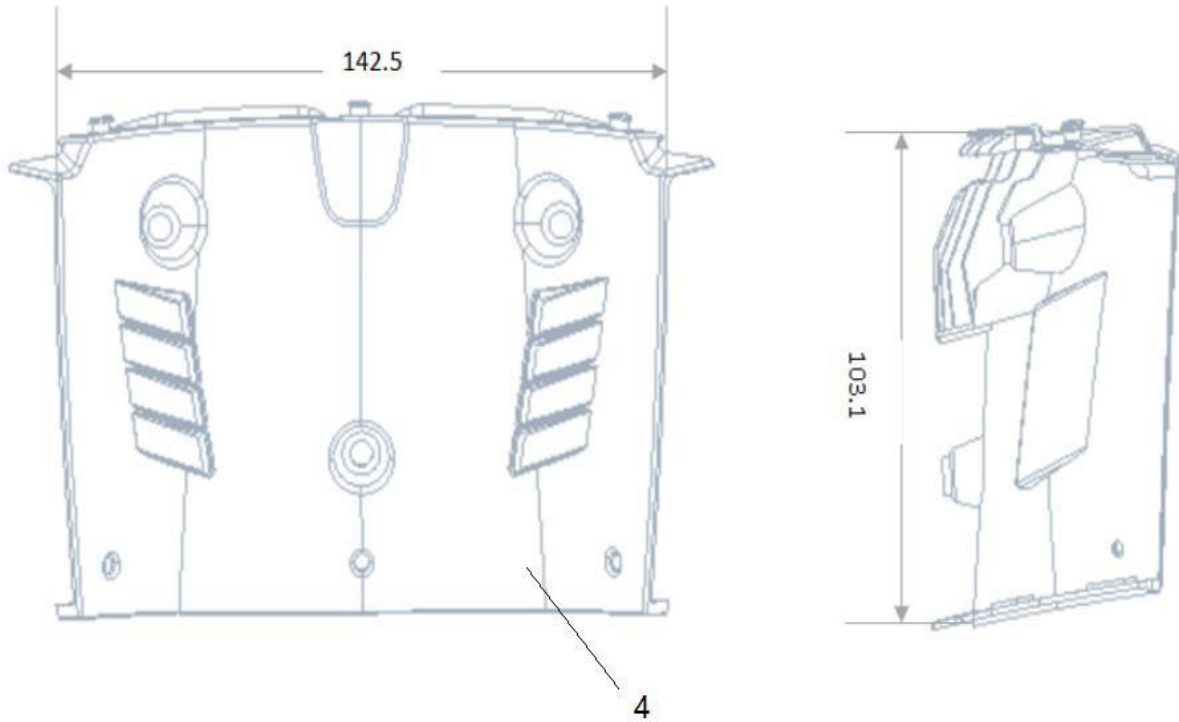
INFORMATION DOCUMENT

Type : RH359-1

RH359-1-00-R22

Date:26.07.2023

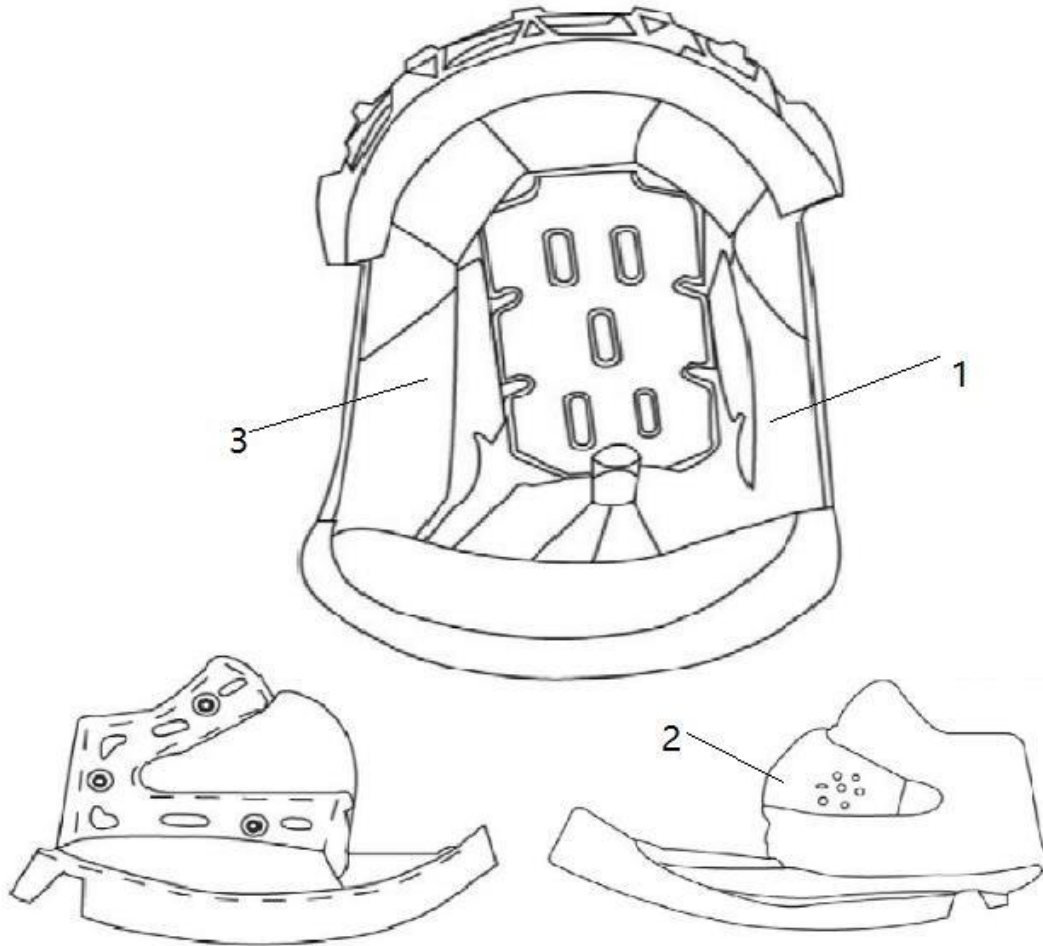
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Unit: mm

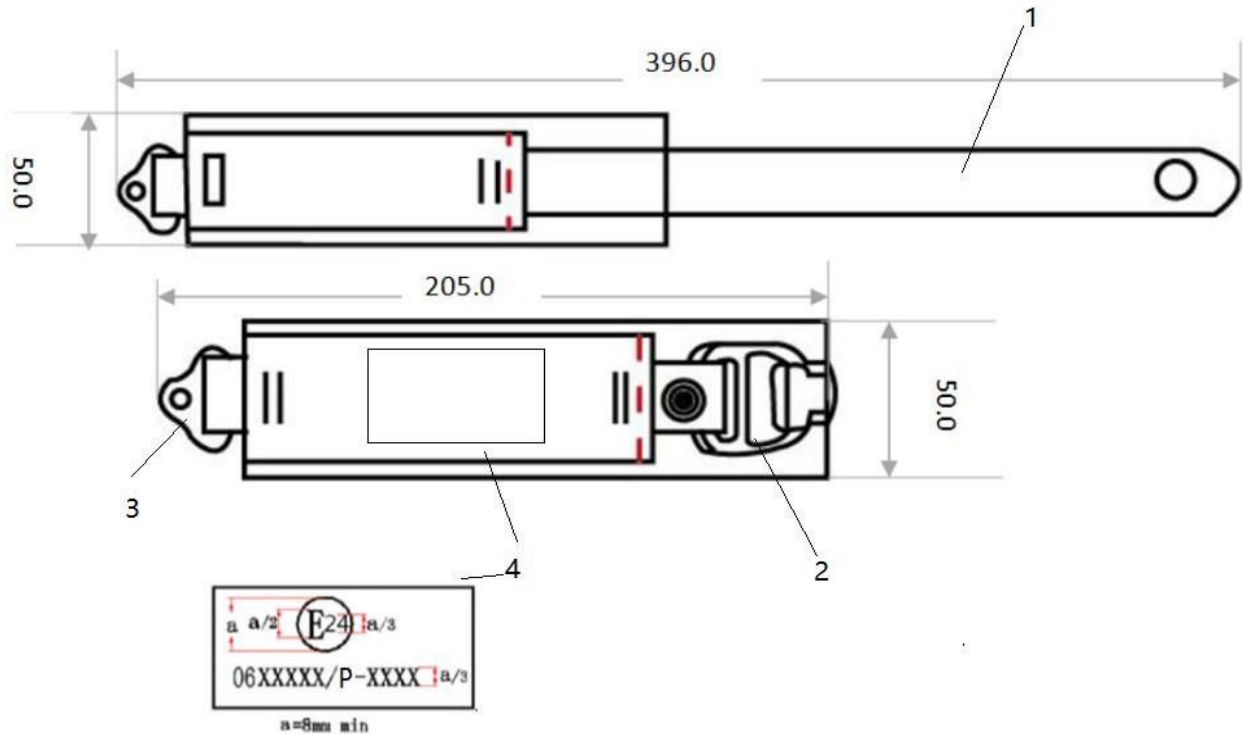
Number	Name	Parameter	Number	Name	Parameter
5	Mouth Protective Padding	EPS			
Description	RH359-1 Mouth Protective Padding		Code No.:	RH359-1.3.4	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

Annex 4: Drawing of the comfort padding



Number	Name	Material	Number	Name	Material
1	Comfort Padding	Compound sponge + Cloth	2	Ear Comfort Padding	Compound sponge + Cloth + PP
3	Information for wearer	Cloth			
Description	RH359-1 Comfort Padding		Code No.:	RH359-1.4	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

Annex 5: Drawing of the retention system



Unit: mm

Number	Name	Material	Number	Name	Material
1	Chin Strap	Nylon	3	Hinge	Steel
2	"D" Ring	Steel	4	ECE Marking	Cloth
Description	RH359-1 Retention system		Code No.:	RH359-1.5	
Drawn by:	Feng Ruifeng	Checked by:	Yang hao	Approval by:	Chang Weicai
Date:	26.07.2023	Date:	26.07.2023	Date:	26.07.2023

Annex 6: Information for wearer

WARNING

No helmet can protect the user from all possible and foreseeable impacts.

- 1. For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced.**
- 2. Visors (if fitted) with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility. The fastening of visor is such that it will not be possible to remove it instantly from the line of sight with one hand should an emergency (such as headlamp glare or misting) occur.**
- 3. To maintain the full efficiency of the helmet, any modification to the structure of the helmet or its parts is not allowed.**
- 4. Do not apply paint, stickers, petrol or other solvents to this helmet. Hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions will affect the shell material adversely.**

Shell is made by Composite materials. Lining is made of expanded polystyrene.

Important: read helmet user's guide for additional information prior to using your new helmet.

WARNING

- 1. TO CLEAN THE VISOR USE HOUSEHOLD WINDOW CLEANER AND A LINT FREE TOWEL ONLY. CAUSTIC CHEMICALS OR SOLVENT MUST NOT BE USED.**
- 2. BEFORE CLEANING VISOR, BE SURE TO BRUSH AWAY ANY LARGE PIECES OF DIRT.**
- 3. VISORS OR SUN SHIELD WITH THE MARKING "DAYTIME USE ONLY" ARE NOT SUITABLE FOR USE DURING THE HOURS OF DARKNESS OR IN CONDITIONS OF POOR VISIBILITY.**
- 4. THE SUN SHIELD SHALL ONLY BE USED IN COMBINATION WITH THE VISOR IN CLOSED POSITION TO ENSURE THE MECHANICAL PROTECTION OF THE EYES.**

Declaration

The characteristics of the materials used in manufacture of the helmet don't suffer alterations following the normal use of the helmet.

For the part in contact with the skin it is used materials that don't cause allergy and are transpiring.

These materials don't suffer from the variations due to sweating or to products used for the personal hygiene. These materials don't cause dermal problems.



26.07.2023