



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE ~~APPROVAL GRANTED~~⁽¹⁾ / ~~APPROVAL EXTENDED~~⁽⁴⁾ /
~~APPROVAL REFUSED~~⁽⁴⁾ / ~~APPROVAL WITHDRAWN~~⁽⁴⁾ / ~~PRODUCTION DEFINITELY~~
~~DISCONTINUED~~⁽⁴⁾ OF A TYPE OF PROTECTIVE HELMET WITHOUT / WITH⁽¹⁾ ONE / MORE⁽¹⁾
VISOR TYPE(S) WITHOUT /-WITH⁽¹⁾ ONE / MORE⁽⁴⁾ SPECIFIC ACCESSORY TYPE(S)
PURSUANT TO UN REGULATION NO. 22.06



Approval No: E11*22R06/02*0876*01

Reason(s) for extension:

Addition of new Trade Marks
Addition of new Commercial Descriptions
Addition of DD-ring system and sun visor
Update of Item 0.3 with versions as single visor and double visor
Update of the helmet from 1 shell into 2 shells
Update of Item 1.1.3, 1.4.2 and 1.6.2
Update of Annex1/2/3/4/5/7/9 with new drawings
Update of Amendment level

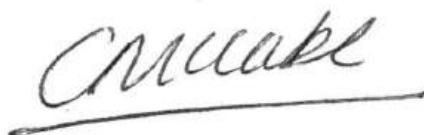
1. [REDACTED]
2. Type: FD-906
3. Sizes: XS(53/54), S(55/56), M(57/58), L(59-60), XL(61-62), XXL(63-64)

4. [REDACTED]

[REDACTED]

6. If applicable, name of manufacturer's representative: Not applicable
7. Address: Not applicable
8. Brief description of helmet: See Manufacturer's documentation
9. ~~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)~~⁽⁴⁾
10. Type of visor or visors: YA-906V
11. Brief description of visor or visors and inner visor if any: Not Applicable
12. Helmet ready for specific accessory (SA) / ~~ready for universal accessories (UA)~~
13. Accessories included in the helmet homologation and functionality: Internal Bluetooth IBT-1
External Bluetooth EBT-2
14. If UA helmet, speakers (S or S45) / Microphone (M) / Front mounting (F) / Side mounting (L),
Rear mounting (R) ⁽¹⁾ Not applicable
15. Submitted for approval on: 19th November 2023
16. Technical service responsible for conducting approval tests: OMEGA S.r.l.
17. Date of report issued by that service: 22th December 2023
18. Number of report issued by that service: EAB622207
19. Comments: None
20. Approval **GRANTED** / EXTENDED / REFUSED / WITHDRAWN ⁽¹⁾
21. Place: BRISTOL
22. Date: 18 JANUARY 2024

23. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

21. The following documents, bearing the approval number shown above, are available on request:

(1) Strike out what does not apply



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/02*0876*01

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 01 (One)

Conformity of Production (COP) Declaration	COP Confirmed	
Assessment Method	COP Audit	
Date of Initial Clearance	August	2023
Date of Last Clearance	August	2023

Total number of sheets: 29 (Twenty nine)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp



INFORMATION DOCUMENT

No.: R22-FD-906-01



TYPE: FD-906

Protective helmet with visor
pursuant to

Regulation No. 22

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

Signature of a responsible person:

A handwritten signature in black ink, appearing to be 'W. J. [unclear]'.

Date: 20.12.2023

GENERAL INFORMATION

Reasons for extension: Addition of new Trade Marks

Addition of new Commercial Descriptions

Addition of DD-ring system and sun visor

Update of Item 0.3 with versions as single visor and double visor

Update of the helmet from 1 shell into 2 shells

Update of Item 1.1.3, 1.4.2 and 1.6.2

Update of Annex1/2/3/4/5/7/9 with new drawings

Update of Amendment level

Make (trade name of manufacturer) : V.Star

Type : FD-906

Commercial description(s) : FD-906,FD-906DV

Variants / Versions	: Version 1: Single Visor Without Bluetooth Single Visor With internal Bluetooth Single Visor With external Bluetooth Version 2: Double Visor Without Bluetooth Double Visor With internal Bluetooth Double Visor With external Bluetooth
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Name and address of manufacturer

Name and address of manufacturer's authorized representative (if any)

Location and method of affixing of the international approval mark

: n.a.

: Marked in a label sewn on the retention system,
see Annex 7 Helmet
Stick to the side of Visor, Out of the main field of
vision, see Annex 2-Visor

TECHNICAL DESCRIPTION

Description of the helmet

Type of helmet : FD-906

- 1.1.2 Type of lower face cover : "P" protective
- 1.1.3 **Size (s) (cm)** : XS(53/54), S(55/56), M(57/58), **L(59-60), XL(61-62), XXL(63-64)**
- 1.1.4 Drawing of the helmet : See Annex 1
- 1.1.5 Type(s) of visor to which may be equipped with this helmet : YA-906V
- 1.2 Description of the visor
- 1.2.1 Material : Polycarbonate
- 1.2.2 Color : Transparent
- 1.2.3 Thickness : 2.0±0.1 mm
- 1.2.4 Surface treatment : Anti-scratch (outside)
- 1.2.5 Manufacture method : By injection
- 1.2.6 Type(s) of helmet to which may be equipped with this visor : FD-906
- 1.2.7 Drawing of the visor : See Annex 2 (Attach to helmet by clipping system to a rigid plastic fixation system)
- 1.3 Description of the shell
- 1.3.1 Material : ABS
- 1.3.2 Manufacture method : By injection
- 1.3.3 Ventilation : See Annex 1
- 1.3.4 Composition of the border join on the shell : PVC
- 1.3.5 Drawing of the shell : See Annex 4

- 1.4 Description of protective padding
- 1.4.1 Composition : Expanded polystyrene
- 1.4.2 **Density and weight (Version 1 helmet)** :

Size (cm)	Shell Size	Comfort padding thickness +Top Zone (mm)	EPS Density (Main+Ear+Chin) (Kg/m ³)	EPS test point Thickness (mm)	Main EPS Weight (Main+Ear+Chin)(grams)
XS(53/54)	M	14+40	45+50+75	41+46+57+43	127+23+10
S(55/56)	M	12+35	45+50+75	42+40+41+38	110+20+10
M(57/58)	M	10+30	45+50+75	42+40+41+38	110+20+10
L(59-60)	L	10+25	55+65+75	51+40+36+32	135+25+10
XL(61-62)	L	8+20	55+65+75	49+40+36+32	135+25+10
XXL(63-64)	L	6+15	55+65+75	49+40+36+32	130+25+10

(Version 2 helmet)

Size (cm)	Shell Size	Comfort padding thickness +Top Zone (mm)	EPS Density (Main+Ear+Chin) (Kg/m ³)	EPS test point Thickness (mm)	Main EPS Weight (Main+Ear+Chin)(grams)
XS(53/54)	M	14+40	45+50+75	36+40+52+43	127+23+10
S(55/56)	M	12+35	45+50+75	34+40+35+38	110+20+10
M(57/58)	M	10+30	45+50+75	34+40+35+38	110+20+10

Type : FD-906

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L(59-60)	L	10+25	55+65+75	37+40+36+32	135+25+10
XL(61-62)	L	8+20	55+65+75	35+40+36+32	135+25+10
XXL(63-64)	L	6+15	55+65+75	35+40+36+32	130+25+10

- 1.4.3 Drawing of the protective padding : See Annex 5
- 1.5 Description of comfort padding
- 1.5.1 Composition of
Comfort padding : Compound sponge
Comfort tissue : Compound cloth
Protection of the back of the nape : Compound sponge
Lateral packing : EPS and compound sponge
Lower face cover : None
- 1.5.2 Drawing of the comfort padding : See Annex 6
- 1.6 Description of the retention system
- 1.6.1 Chin strap
Material : Nylon
Width : 22 mm
- 1.6.2 Retention system : Quick release mechanism, **DD-Ring**
- 1.6.3 Comfort padding of the retention system
Composition : Leather and fabric
Thickness : 2 mm
- 1.6.4 Anchorage system to the shell : By a metallic piece fitted to the internal part of the shell by a rivet
- 1.6.5 Drawing of the retention system : See Annex 7
- 1.7 Other Characteristics
- 1.7.1 Markings
Make : Outer shell, different location depending on makers
Weight : Rear part of the shell
Size : Rear part of the shell
- 1.7.2 Indelible marking
How it is made : Sewing
Position : On the chin strap
- 1.8 Accessories
- 1.8.1 Peak : n.a.
- 1.8.2 Information for wearer
1.8.2.1 Text : See Annex 8
1.8.2.2 Position : Inside the helmet
- 1.8.3 Internal Bluetooth : FD-906-1
- 1.8.4 External Bluetooth : FD-906-2

ANNEXS

- Annex 1** Drawing of the helmet
- Annex 2** Drawing of the visor and pinlock
- Annex 3** Drawing of the sun shade
- Annex 4** Drawing of the shell
- Annex 5** Drawing of the protective padding
- Annex 6** Drawing of the comfort padding
- Annex 7** Drawing of the retention system
- Annex 8** Information for wearer
- Annex 9** Examples of helmet

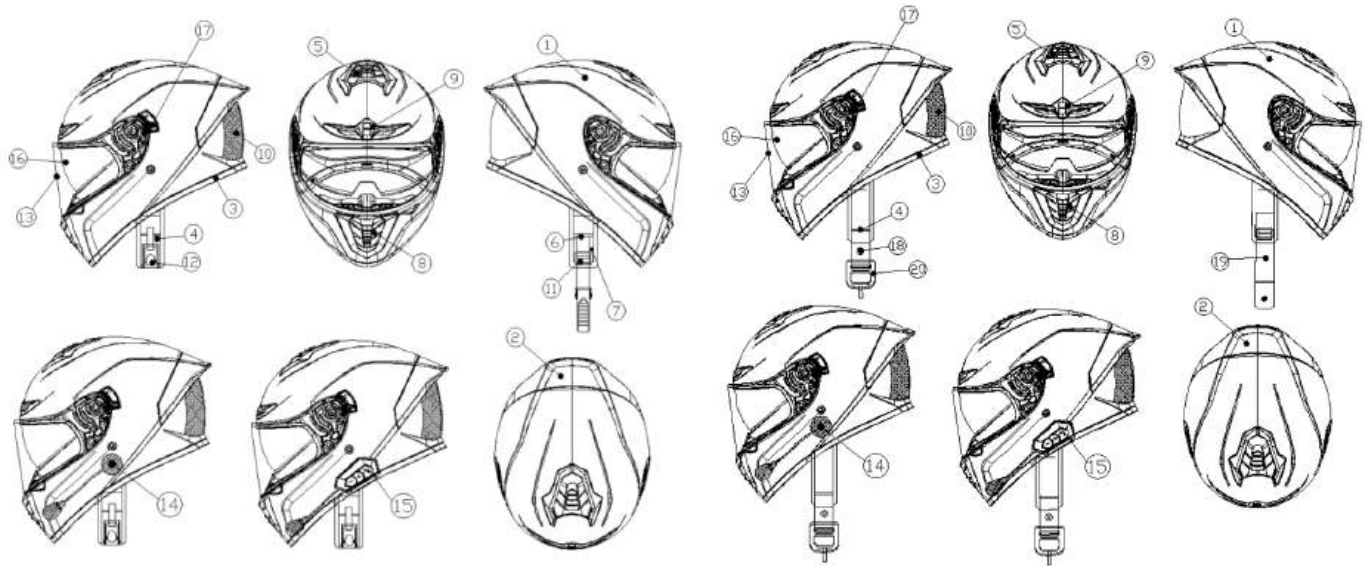
Type : FD-906

Date: 20.12.2023

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Annex 1: Drawing of the helmet



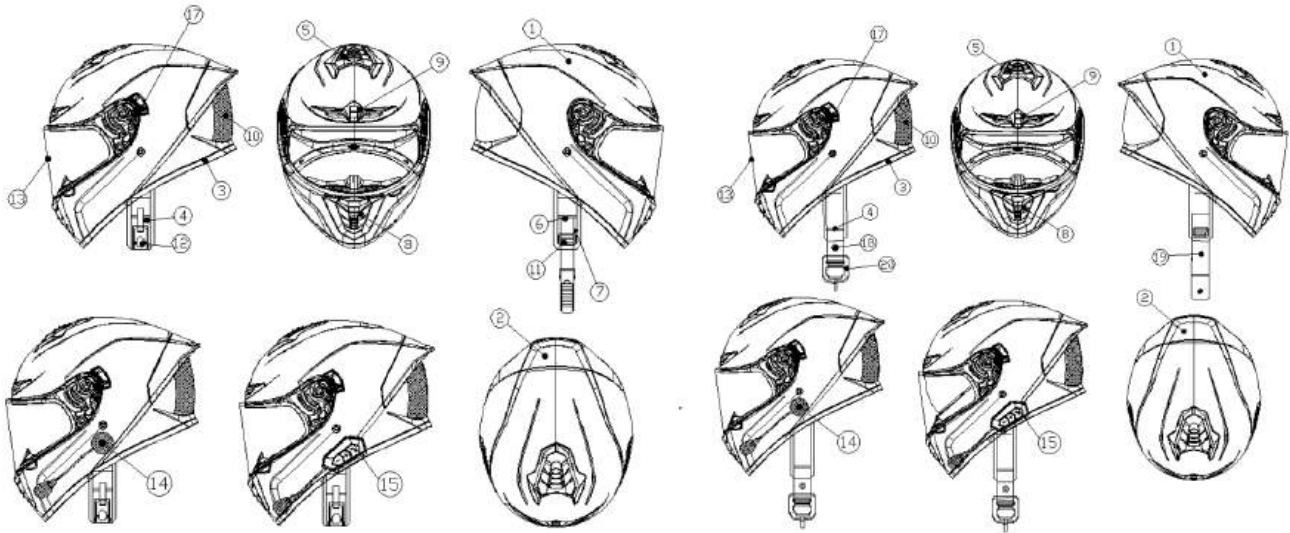
Number	Name	Material	Number	Name	Material
1	Shell	ABS	8	Chin ventilation cover	ABS
2	Rear ventilation cover	ABS	9	Front ventilation cover	ABS
3	Primer strip	PP+PVC	10	Protective Padding	EPS
4	ECE Marking	Cloth	11	"B" Ring	Steel
5	Top ventilation cover	ABS	12	Quick Release Mechanism	Polycarbonate + Steel
6	Chin Strap	Nylon	13	Visor	PC
7	Slider Bar	Polycarbonate + Steel	14	Internal Bluetooth	ABS
16	Sun visor	PC	15	External Bluetooth	ABS
17	sun visor switch button	POM	18	Plastic buckle	POM
19	Chin Strap	Nylon	20	Double D ring	Steel
Description		FD-906 Helmet (Version 2 helmet)	Code No.:		FD-906-1

Type : FD-906

Date: 20.12.2023

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Number	Name	Material	Number	Name	Material
1	Shell	ABS	8	Chin ventilation cover	ABS
2	Rear ventilation cover	ABS	9	Front ventilation cover	ABS
3	Primer strip	PP+PVC	10	Protective Padding	EPS
4	ECE Marking	Cloth	11	"B" Ring	Steel
5	Top ventilation cover	ABS	12	Quick Release Mechanism	Polycarbonate + Steel
6	Chin Strap	Nylon	13	Visor	PC
7	Slider Bar	Polycarbonate + Steel	14	Internal Bluetooth	ABS
17	sun visor switch button	POM	15	External Bluetooth	ABS
19	Chin Strap	Nylon	18	Plastic buckle	POM
			20	Double D ring	Steel
Description	FD-906 Helmet (Version 1 helmet)		Code No.:	FD-906-1	

Type : FD-906

Date: 20.12.2023

Manufacture :

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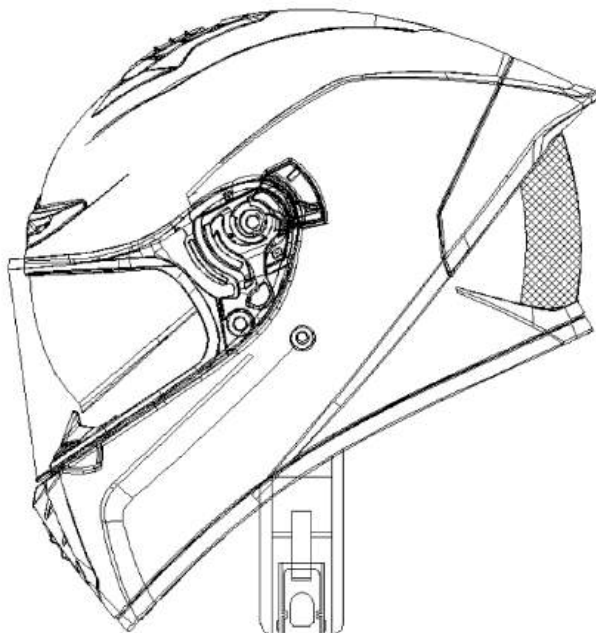


Internal Bluetooth

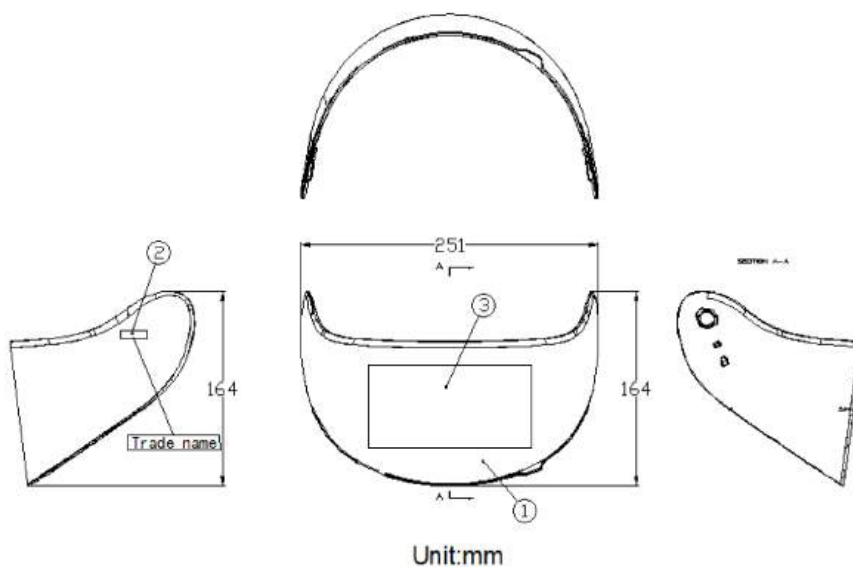


External Bluetooth

Annex 2: Drawing of the visor



Way of fixation - Attach to helmet by clipping system to a rigid plastic fixation system



Unit: mm

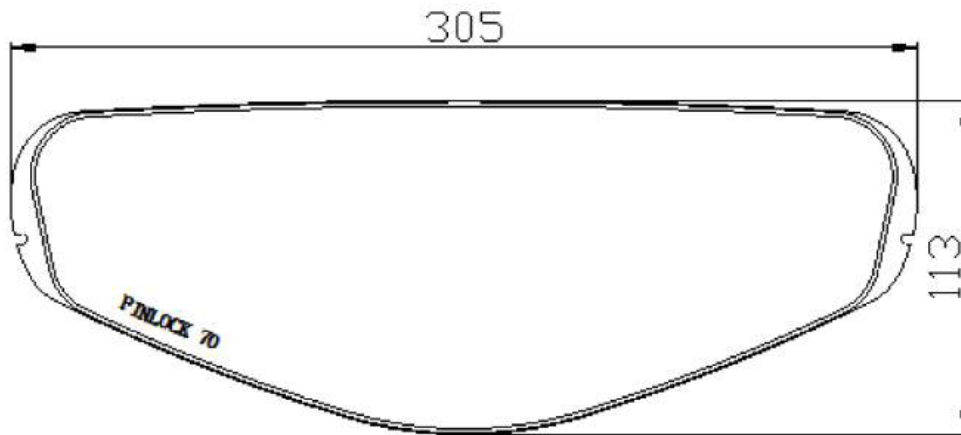
Number	Name	Parameter	Number	Name	Parameter
1	Visor material	PC	2	ECE Marking	
	Visor thickness	2.0±0.1 mm			
3	Information for wearer	PVC			
Description		YA-906V	Code No.:		FD-906-2

Type : FD-906

Date: 20.12.2023

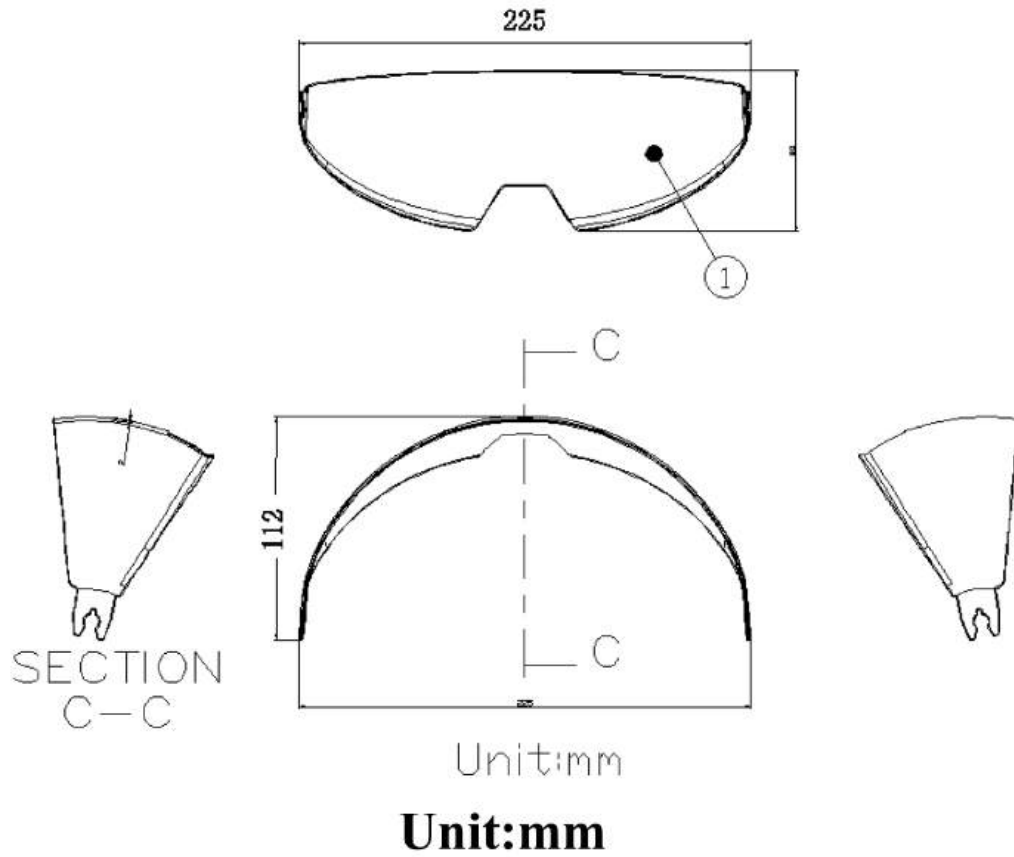
Manufacture :

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**Unit: mm**

Number	Name	Parameter	Number	Name	Parameter
	Pinlock Material	wood fiber cellulose material			
	Visor thickness	0.7±0.2 mm			
Description	YA-906V Pinlock		Code No.:	YA-906V Pinlock-3	

Annex 3: Drawing of the sun shade



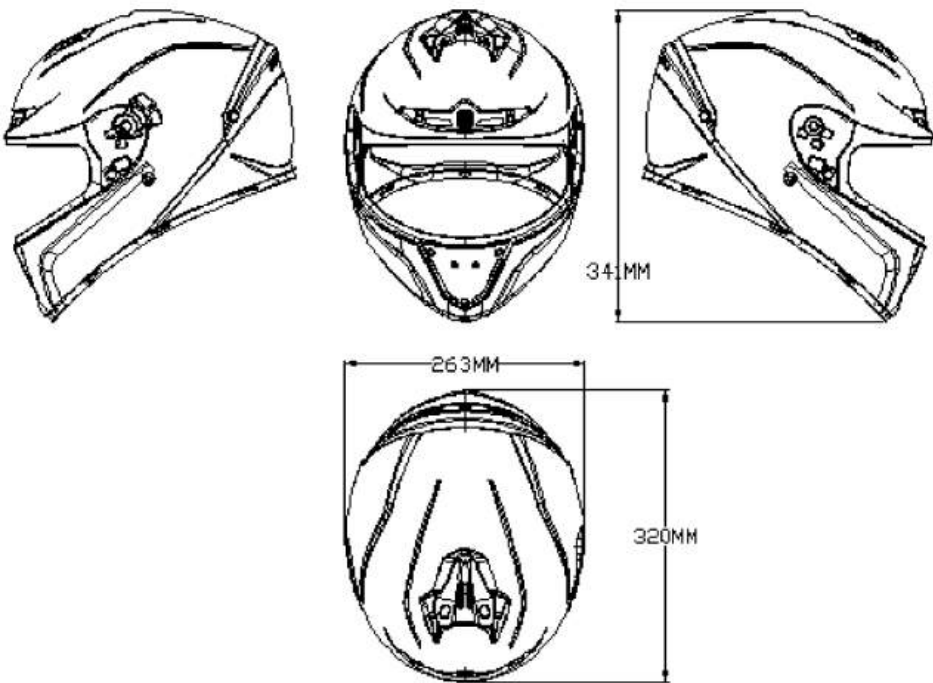
Number	Name	Parameter	Number	Name	Parameter
1	Sun Shade	PC			
Description	FD-906 Sun Shade YA-910SV		Code No.:	FD-906 Sun Shade YA-910SV	

Type

:

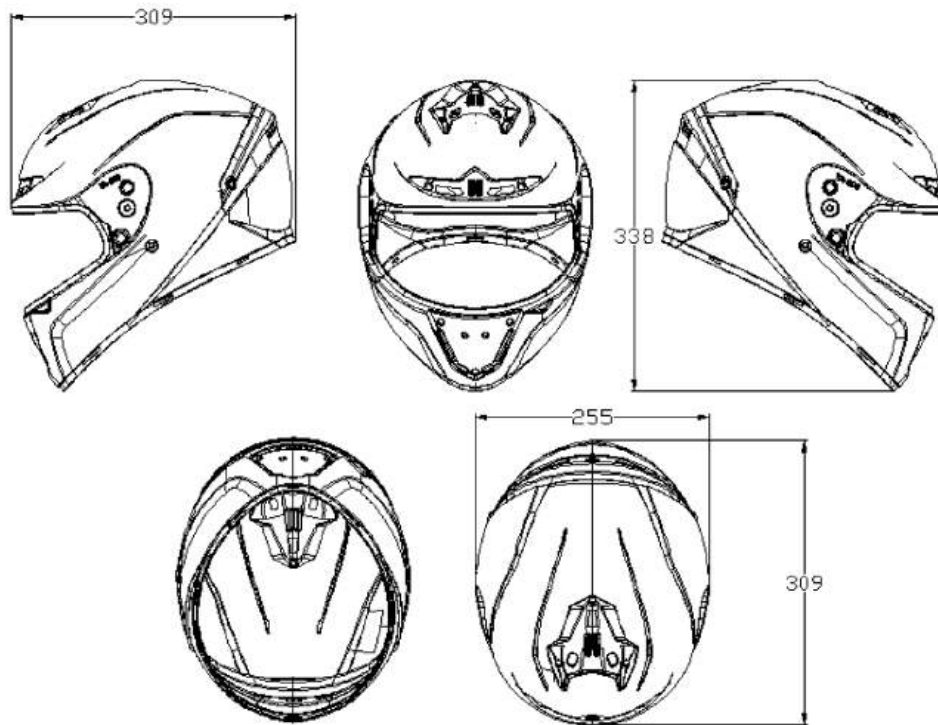
3

Annex 4: Drawing of the shell



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
	Shell	ABS		Border	PVC
Description	FD-906 Large Shell		Code No.:	FD-906-4	



Unit:mm

Number	Name	Parameter	Number	Name	Parameter
	Shell	ABS		Border	PVC
Description	FD-906 Medium Shell		Code No.:	FD-906-4	

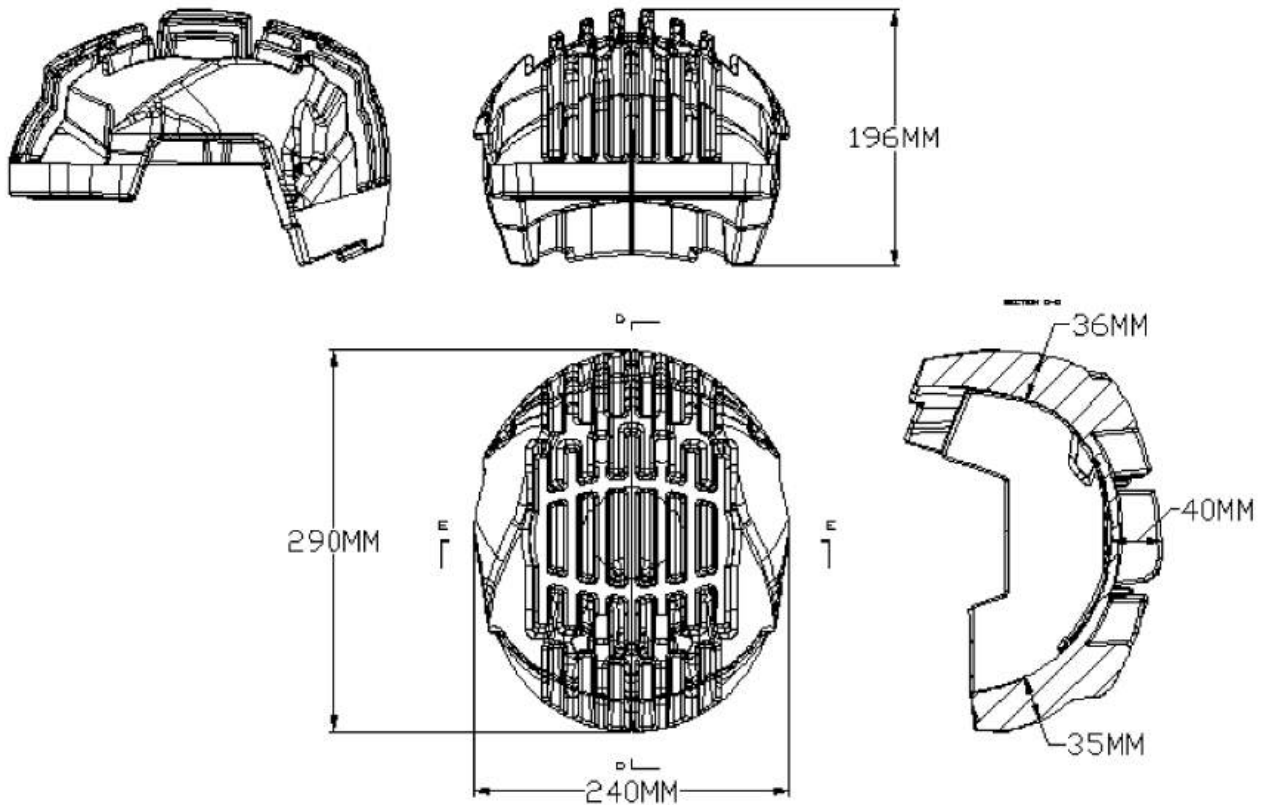
Type : FD-906

Date: 20.12.2023

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Annex 5: Drawing of the protective padding



Unit:mm

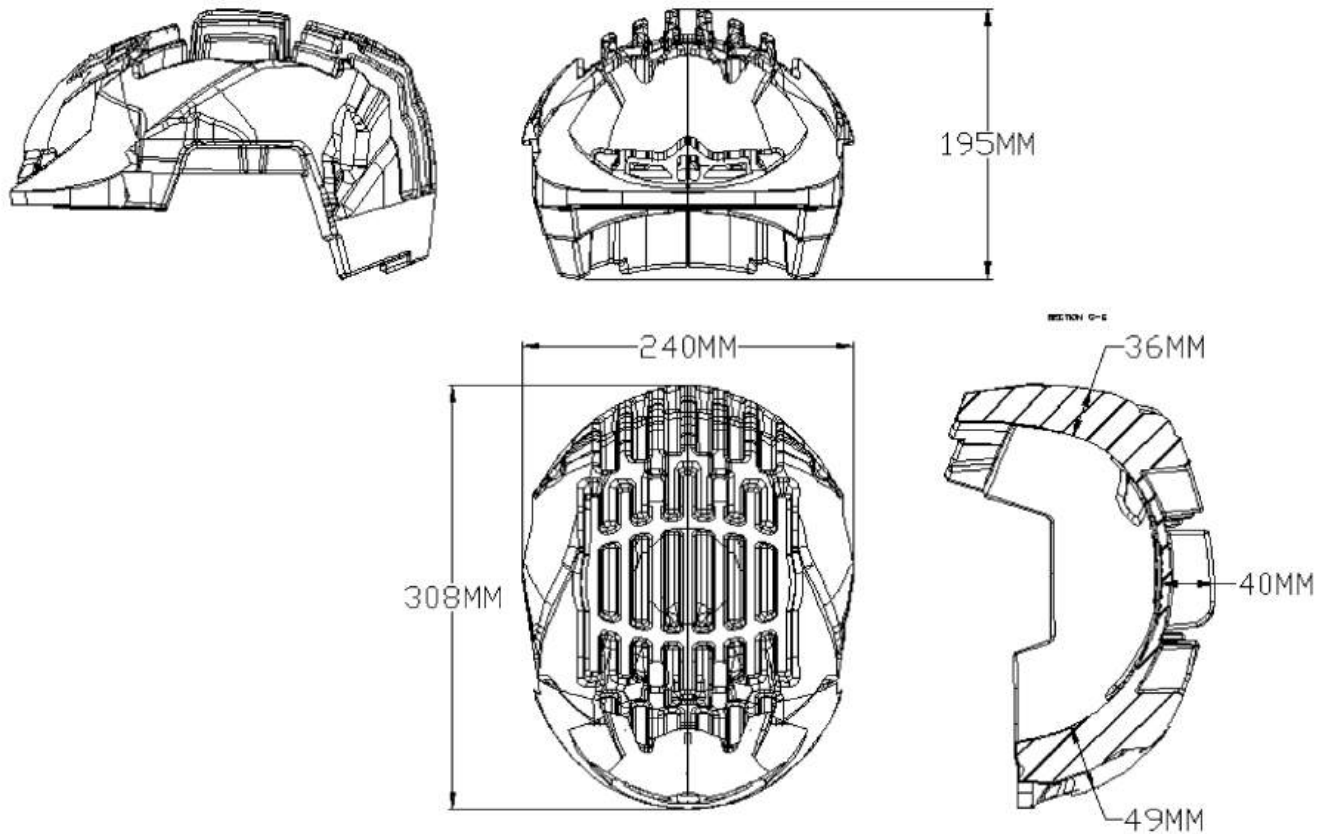
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 XL Large Protective Padding (Suit for version 2 helmets)		Code No.:	FD-906-5.1	

Type : FD-906

Date: 20.12.2023

Manufacture :

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Unit:mm

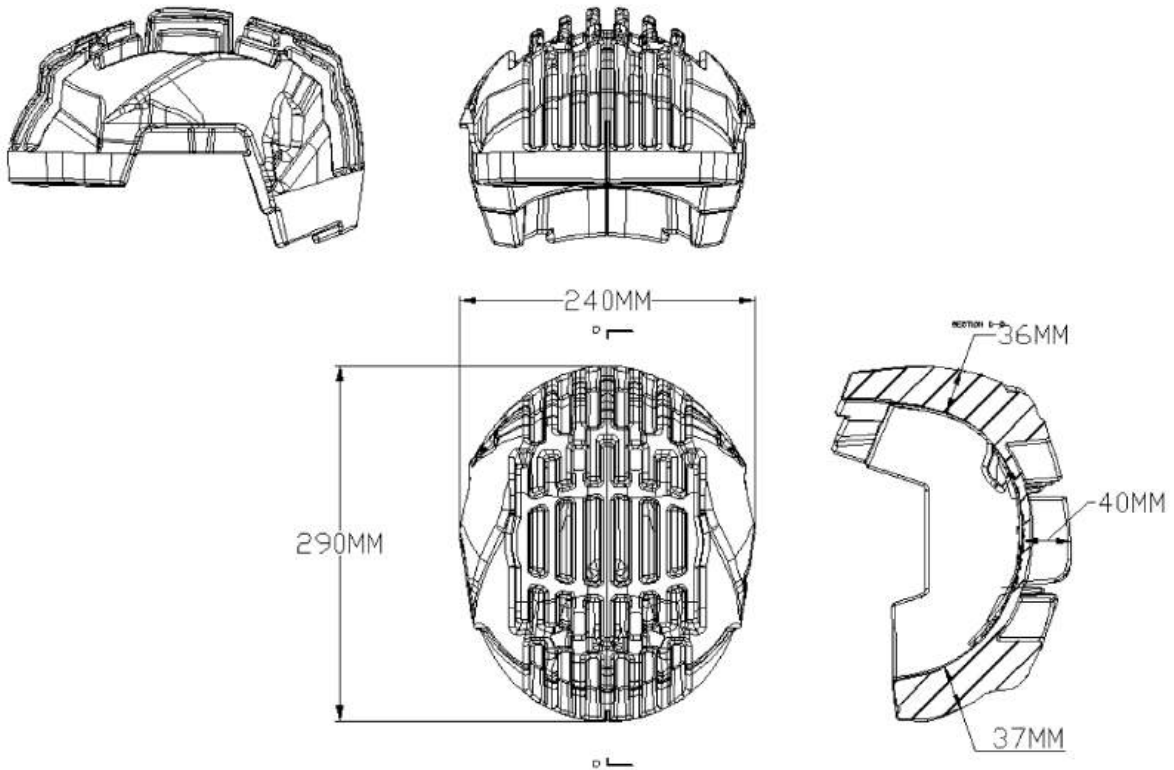
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 XL Large Protective Padding (Suit for version 1 helmets)		Code No.:	FD-906-5.1.1	

Type : FD-906

Date: 20.12.2023

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Unit:mm

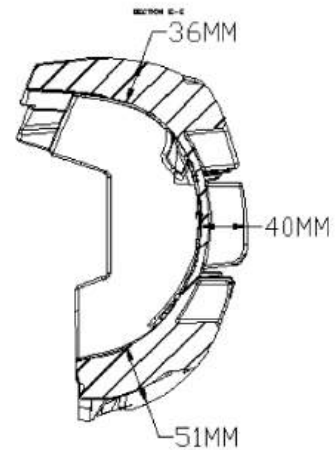
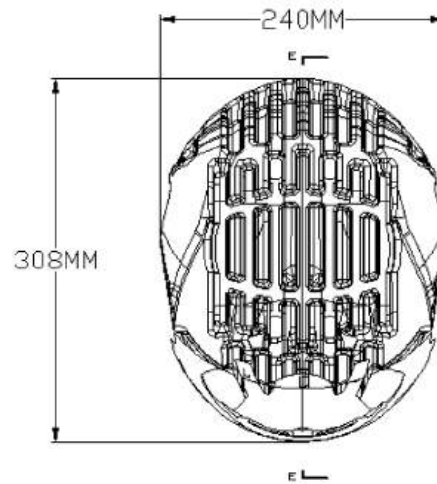
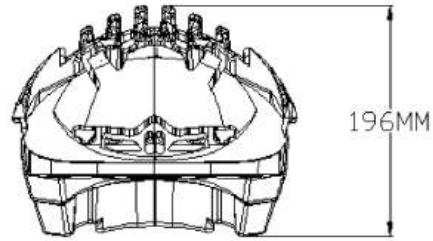
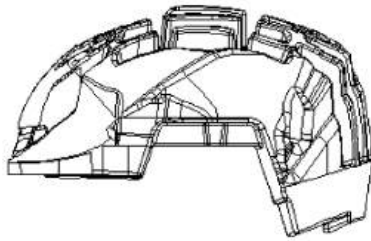
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 Large Protective Padding (Suit for version 2 helmets)		Code No.:	FD-906-5.2	

Type : FD-906

Date: 20.12.2023

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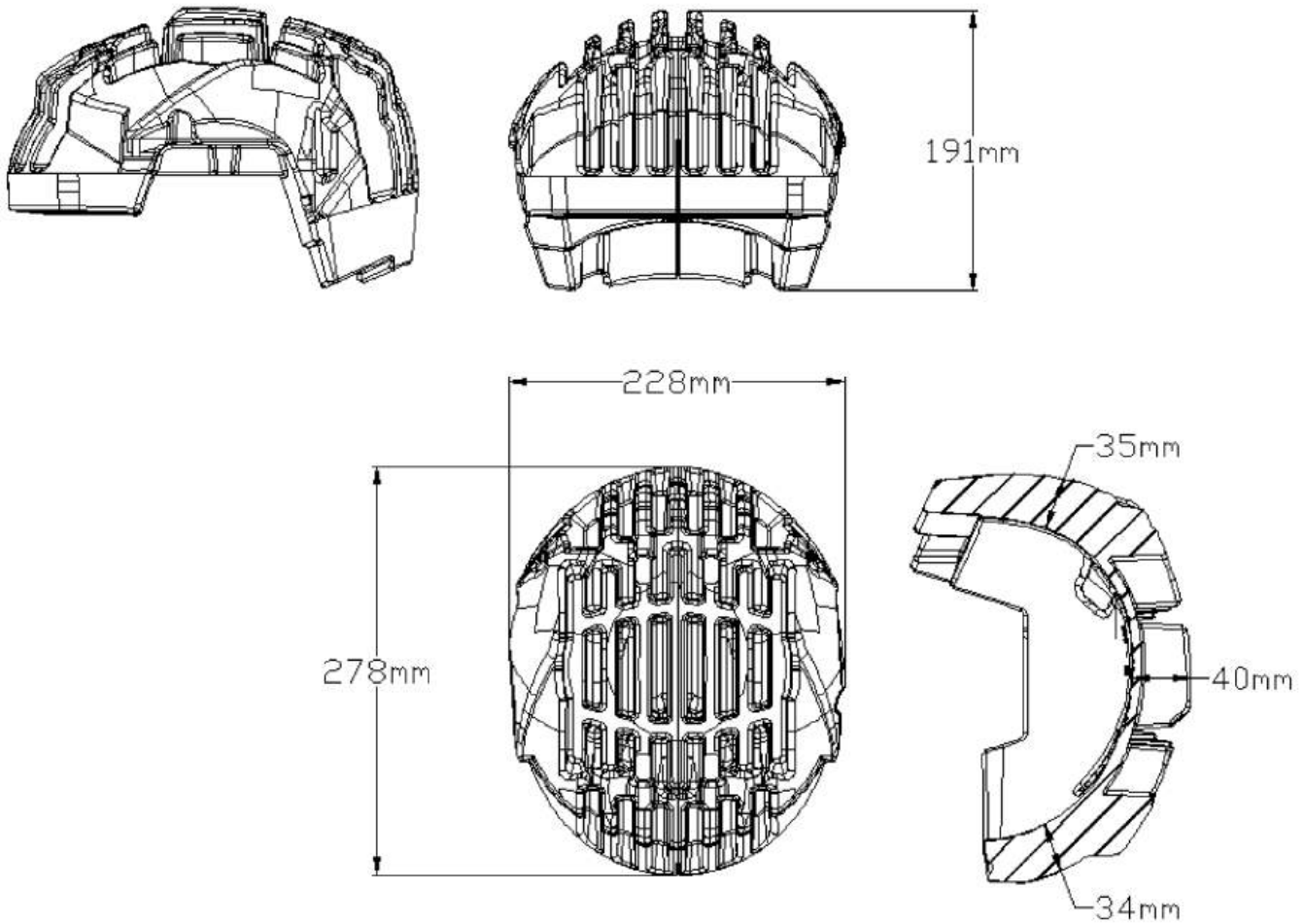


Unit:mm

Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 Large Protective Padding (Suit for version 1 helmets)		Code No.:	FD-906-5.2.1	

Type

: FD-90



Unit:mm

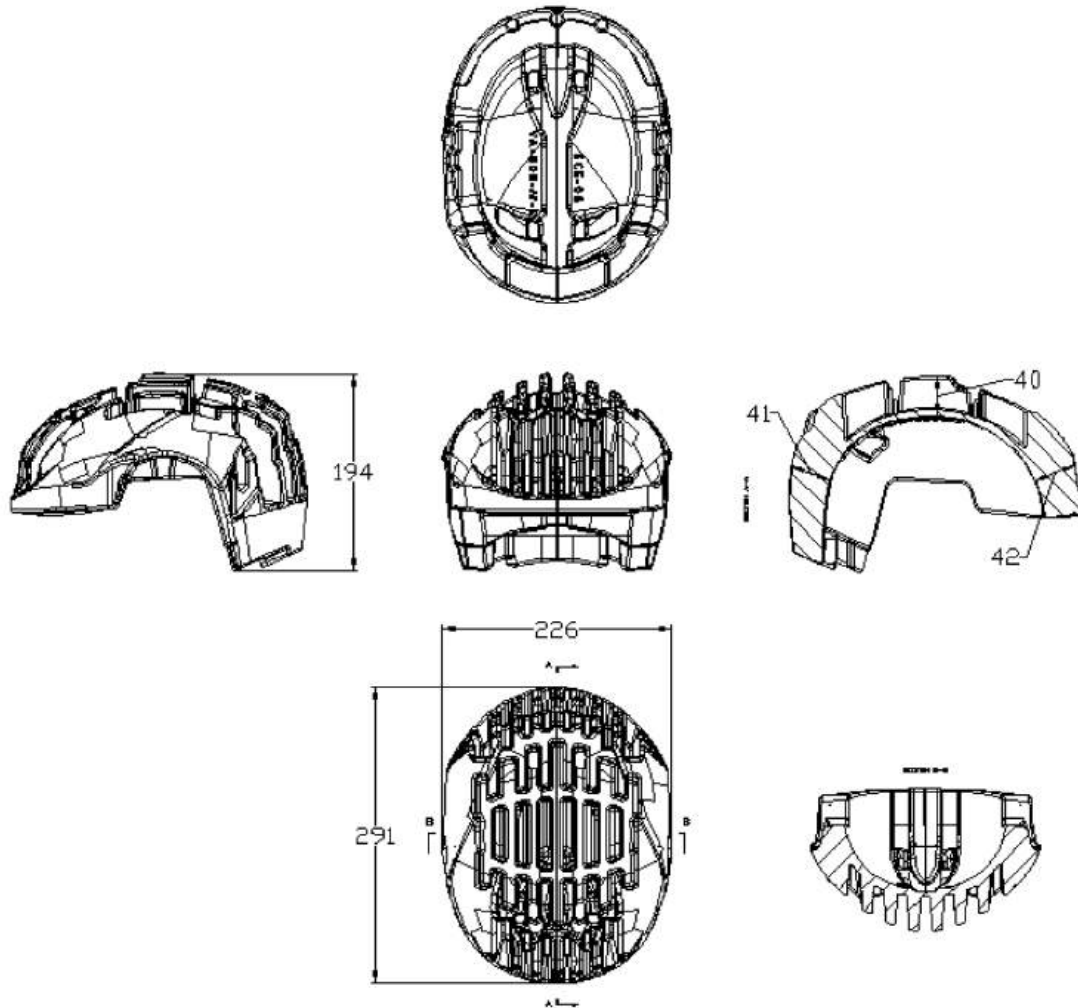
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 Medium Protective Padding (Suit for version 2 helmets)		Code No.:	FD-906-5.3	

Type : FD-906

Date: 20.12.2023

Manufacture : XXXXXXXXXX

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**Unit:mm**

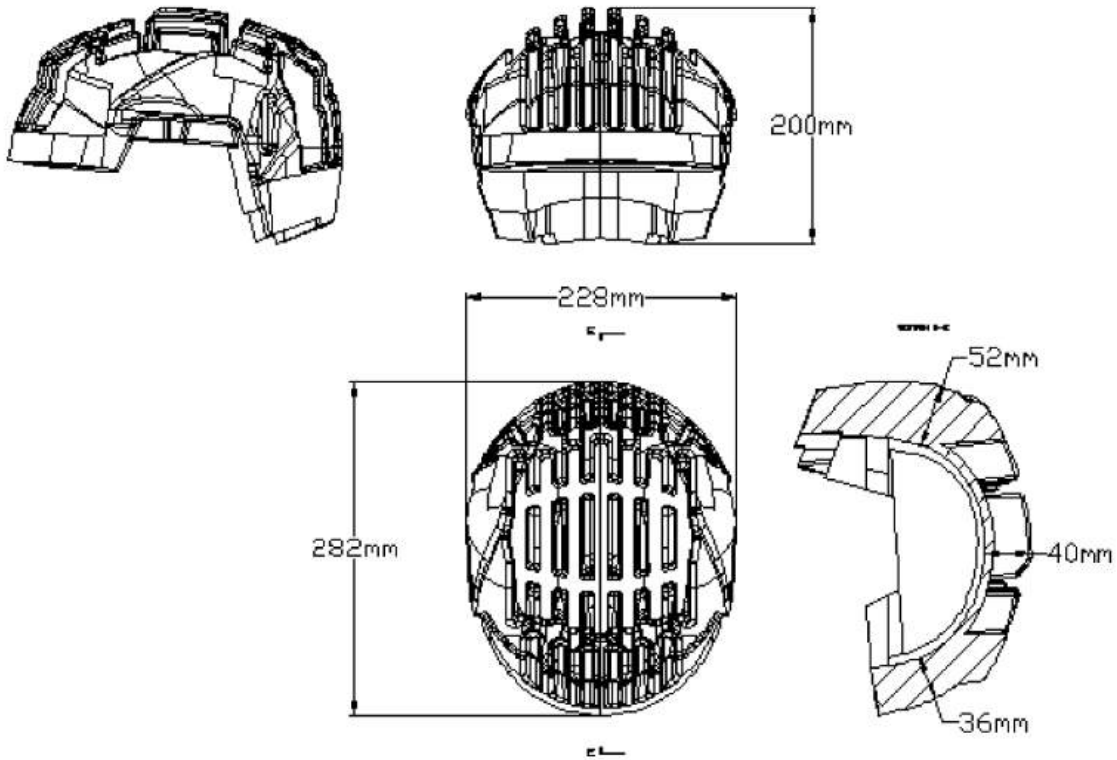
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 Medium Protective Padding (Suit for version1 helmets)		Code No.:	FD-906-5.3.1	

Type : FD-906

Date: 20.12.2023

Manufacture :

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Unit:mm

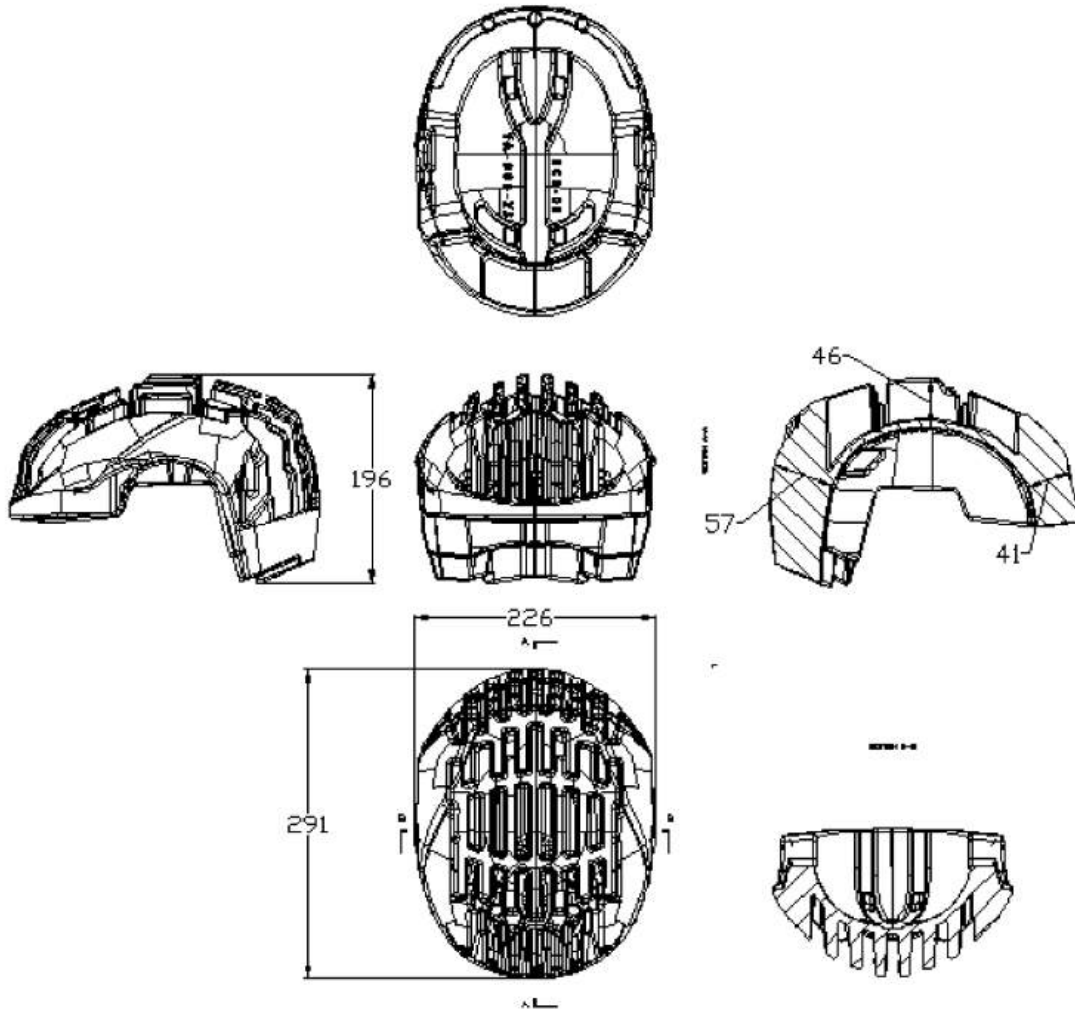
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	Main Protective Padding	EPS			
Description	FD-906 Extra Small Protective Padding (Suit for version 2 helmets)		Code No.:	FD-906-5.4	

Type : FD-906

Date: 20.12.2023

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Unit:mm

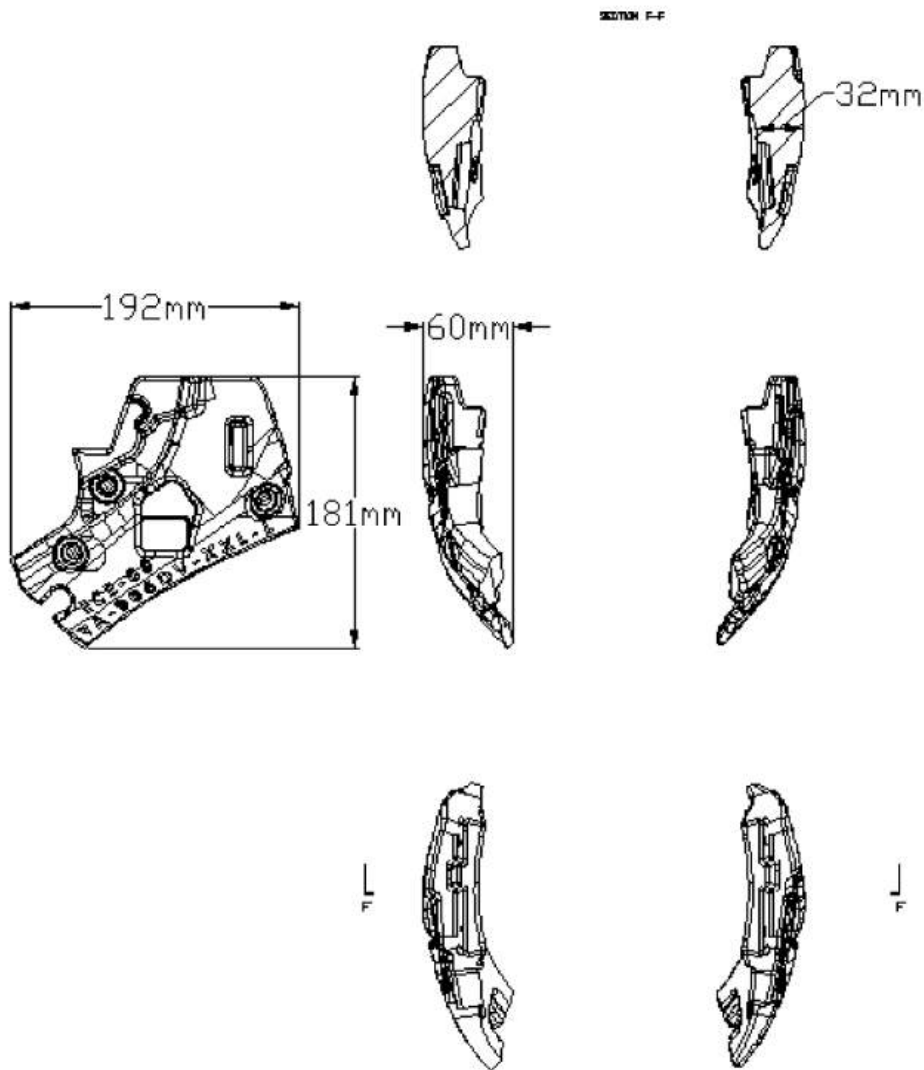
Number	Name	Parameter	Number	Name	Parameter
	Main Protective Padding	EPS			
Description	FD-906 Extra Small Protective Padding (Suit for version 1 helmets)		Code No.:	FD-906-5.4.1	

Type : FD-906

Date: 20.12.2023

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Unit:mm

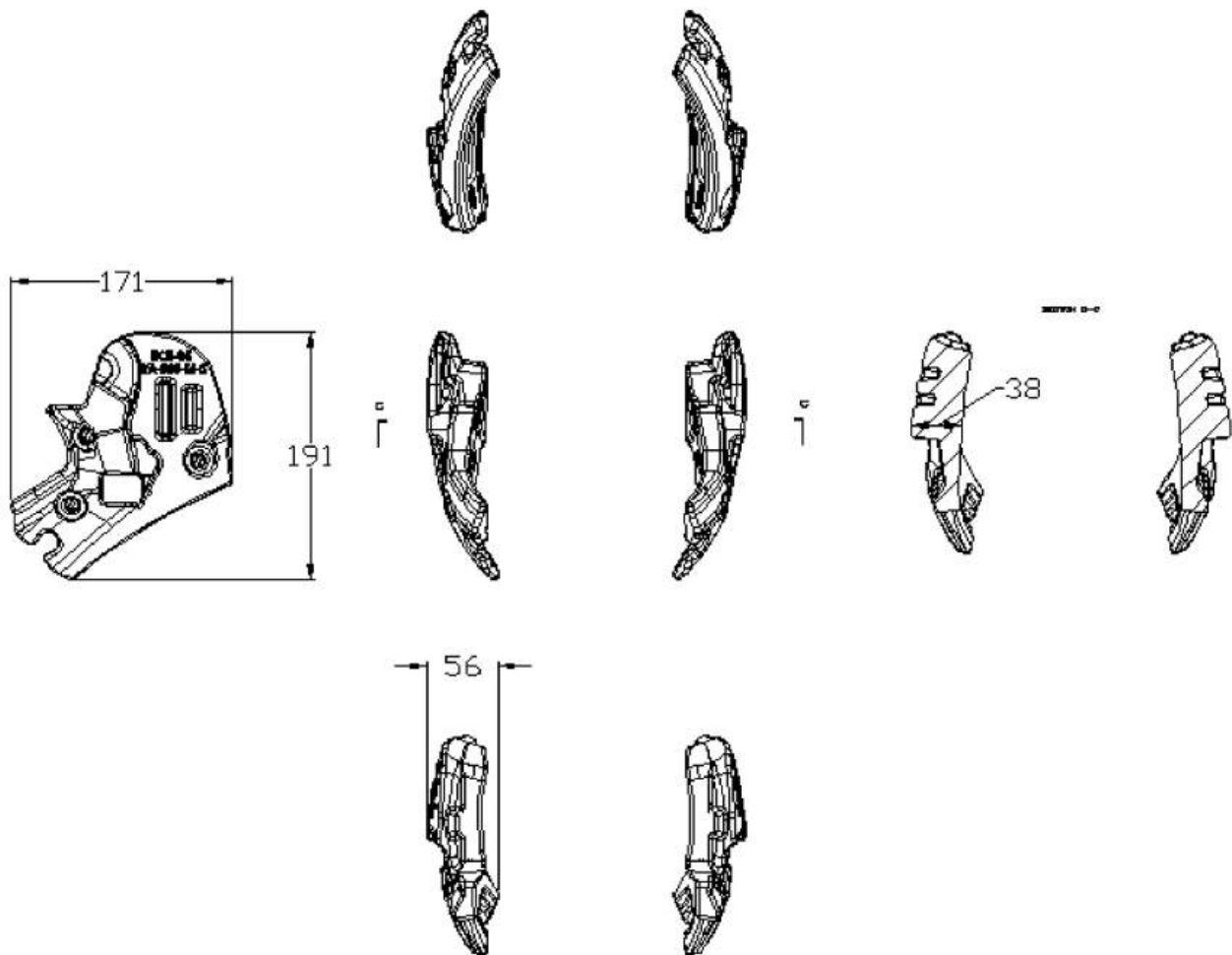
Number	Name	Parameter	Number	Name	Parameter
	Ear Protective Padding	EPS			
Description	FD-906 XL Large Ear Protective Padding (Suit for all versions)		Code No.:	FD-906-5.6	

Type : FD-906

Date: 20.12.2023

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Unit:mm

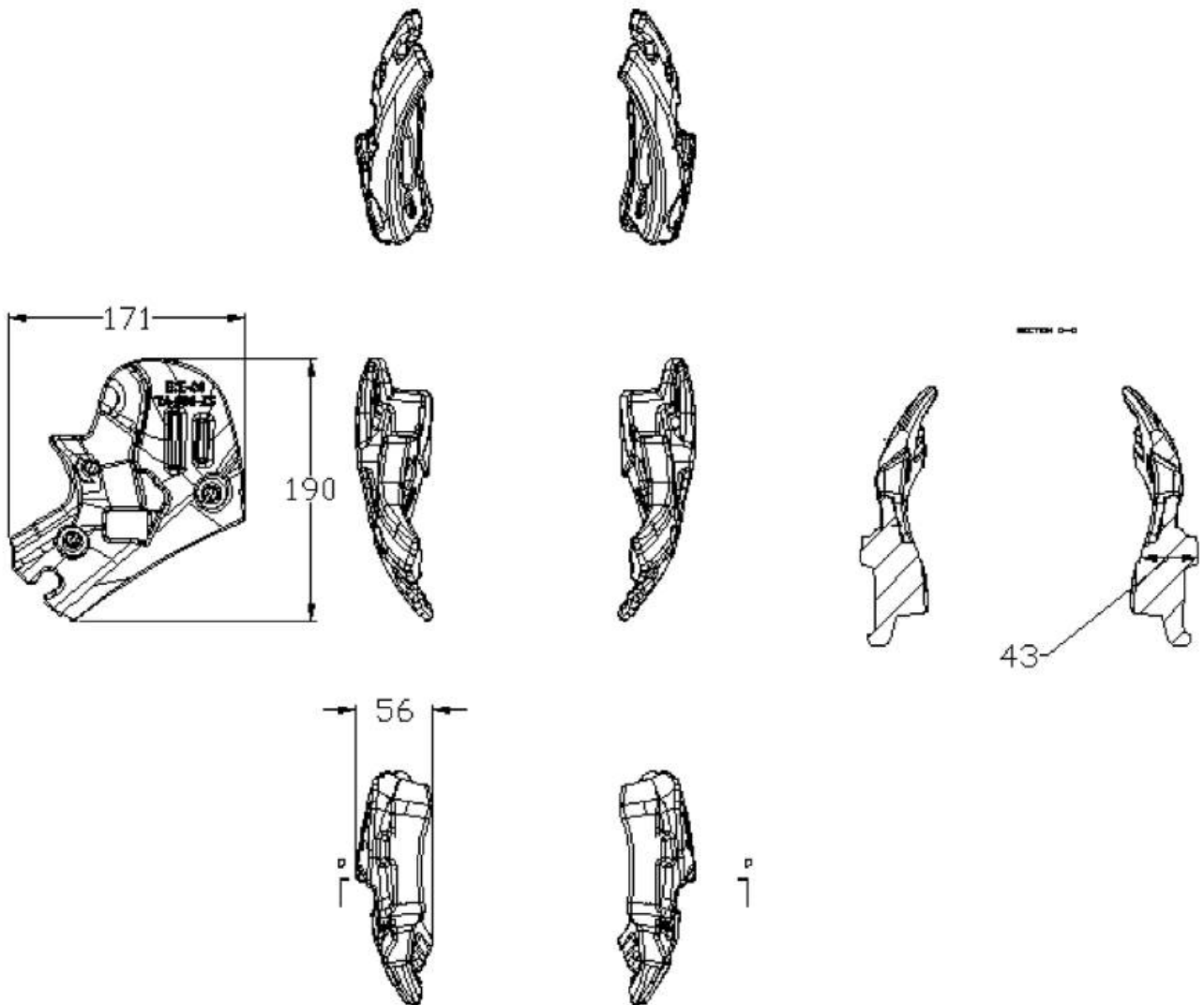
Number	Name	Parameter	Number	Name	Parameter
	Ear Protective Padding	EPS			
Description	FD-906 Medium Ear Protective Padding (Suit for all versions)		Code No.:	FD-906-5.6	

Type : FD-906

Date: 20.12.2023

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Unit:mm

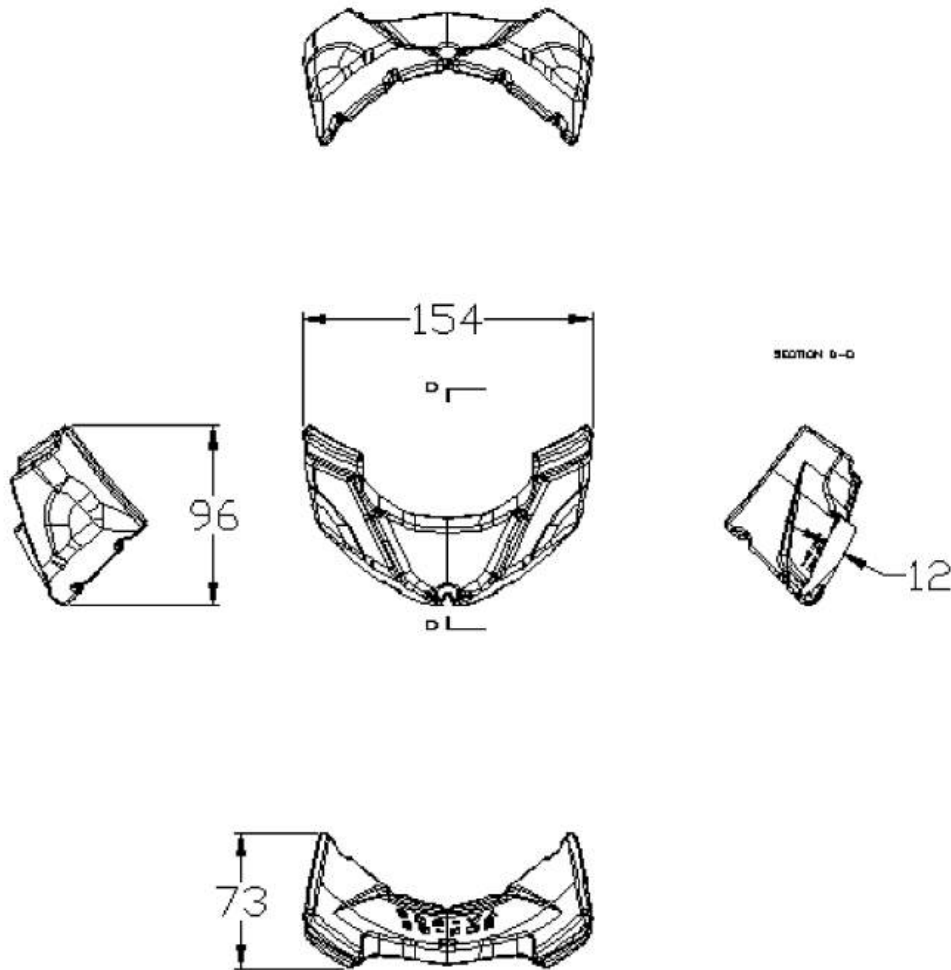
Number	Name	Parameter	Number	Name	Parameter
	Ear Protective Padding	EPS			
Description	FD-906 Extra Small Ear Protective Padding (Suit for all versions)		Code No.:	FD-906-5.7	

Type : FD-906

Date: 20.12.2023

Manufacture :

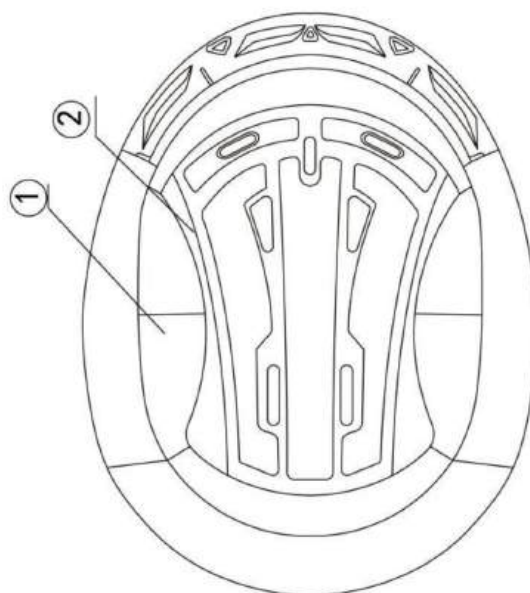
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Unit:mm

Number	Name	Parameter	Number	Name	Parameter
	Mouth Protective Padding	EPS			
Description	FD-906 Mouth Protective Padding (Suit for all versions)		Code No.:	FD-906-5.5	

Diagram 3 shows a complex, folded surface, possibly a piece of fabric or a geological formation. A circular callout labeled '3' points to a specific feature on the surface.



Number	Name	Parameter	Number	Name	Parameter
1	Comfort Padding	Compound sponge + Cloth	3	Ear Comfort Padding	Compound sponge + Cloth + PP
2	Information for wearer	Cloth			
Description	FD-906 Comfort Padding (Suit for all versions)		Code No.:	FD-906-6	

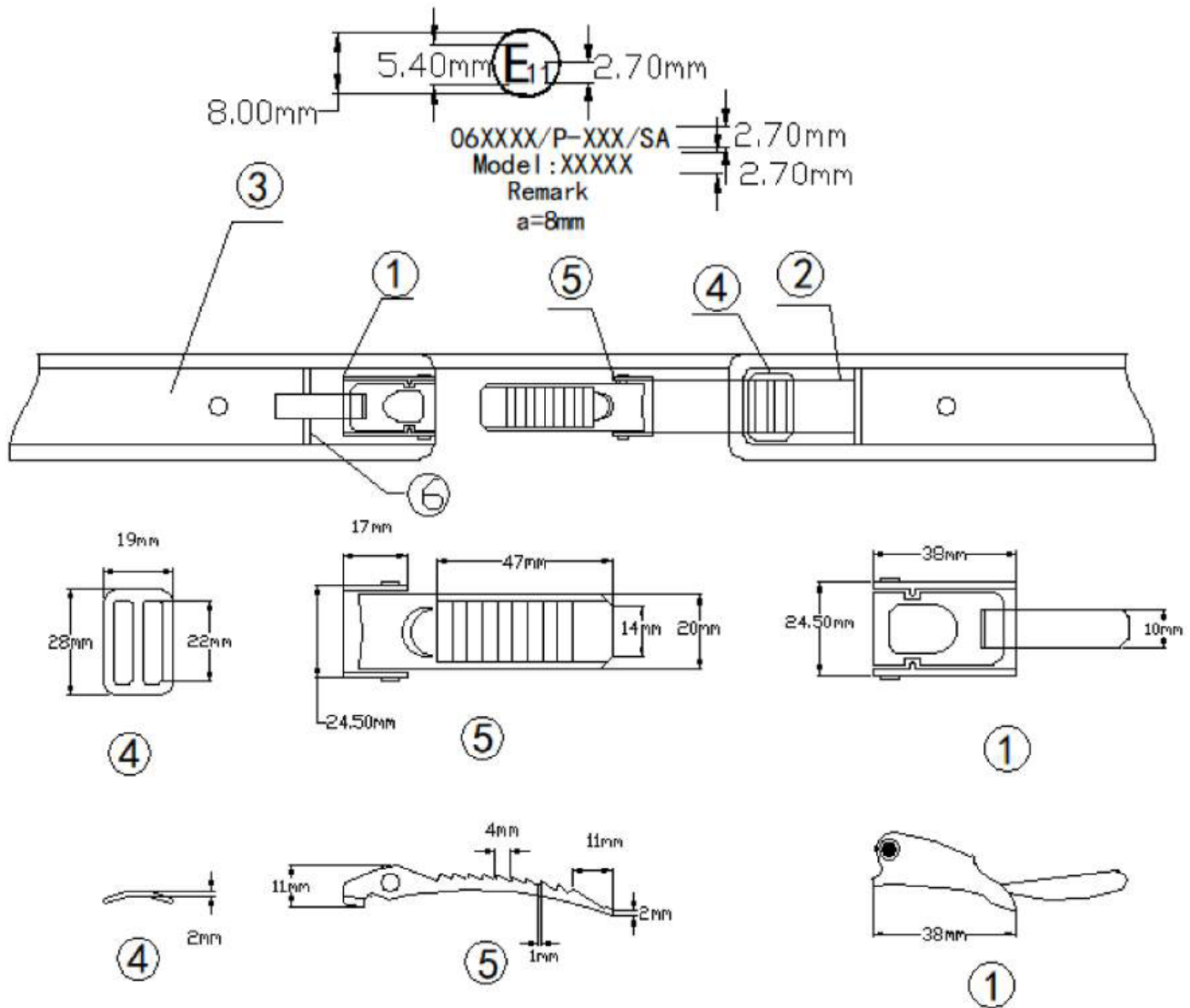
Type : FD-906

Date: 20.12.2023

Manufacture : XXXXXXXXXX

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Annex 7: Drawing of the retention system



Unit:mm

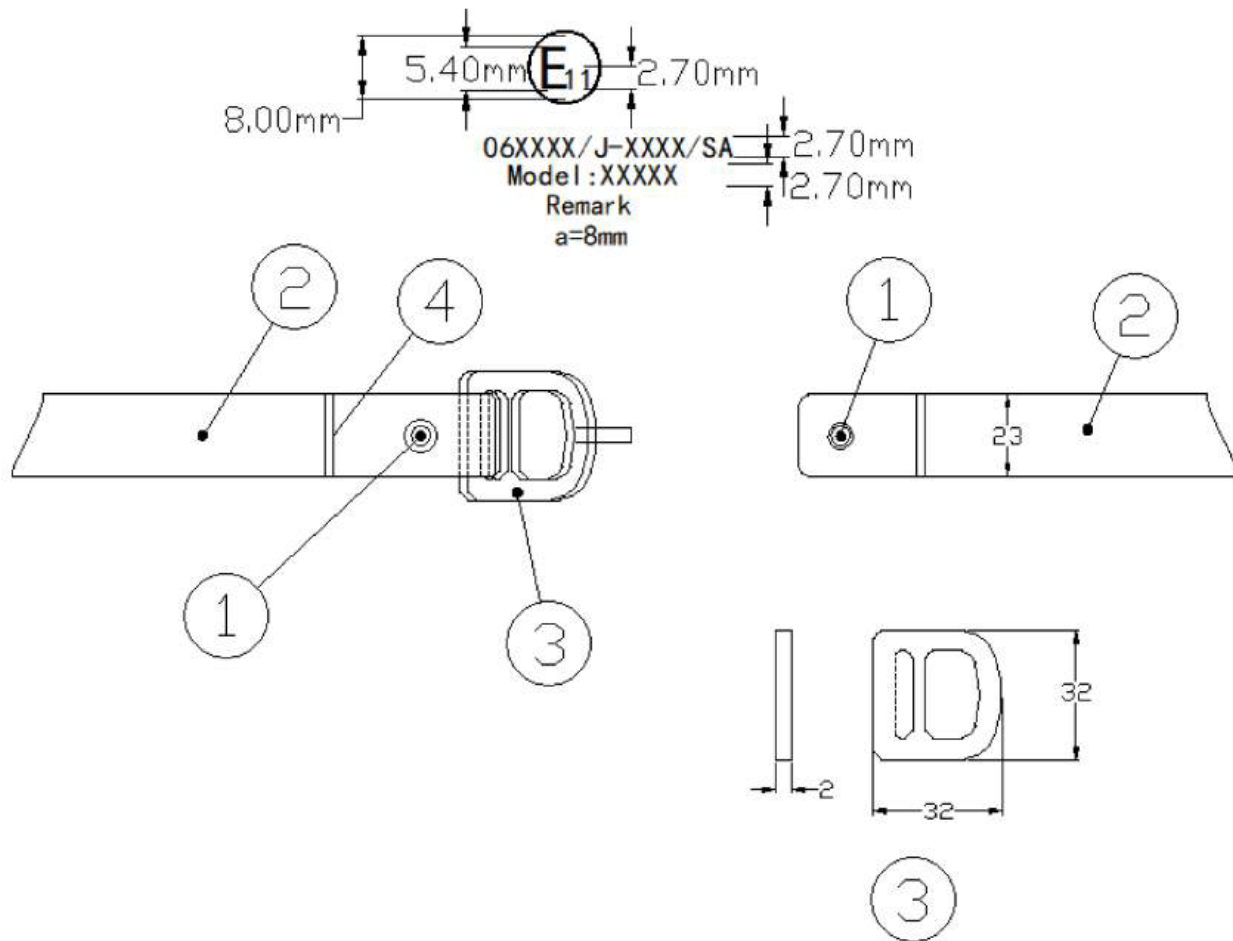
Number	Name	Parameter	Number	Name	Parameter
1	Quick Release Buckle	Polycarbonate + Steel	4	"B" Ring	Steel
2	Chin Strap	Nylon	5	Slider Bar	Polycarbonate + Steel
3	Leather	PU	6	ECE Marking	Cloth
Description	FD-906 Retention System (Suit for all versions)		Code No.:	FD-906-7	

Type : FD-906

Date: 20.12.2023

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Unit:mm

1	Plastic buckle	POM	3	Double D ring	Steel
2	Chin Strap	Nylon	4	ECE Marking	Cloth
Description	FD-620 Retention System (Suit for all versions)		Code No.:	FD-620-7.1	

Annex 8: Information for wearer

WARNING

ALWAYS CHECK YOUR HELMET BEFORE RIDING OFF

1

1. Check the shield and visor screws, and retighten them if necessary
2. Check for cracks in the helmet, strong acid (for example, battery acid) can damage the shield base.
If you find crack damages, stop using the helmet immediately.
3. Plastic components may start to wear out about 5 years after manufacture.
If you find deterioration in any part of a component, either replace the component or get a new helmet.
If these parts come loose and/or fall off while you are riding, your vision may be blocked which could cause an accident.
4. Check the security of the retention system.
5. For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced

CLEAN CAREFULLY YOUR HELMET

2

Warning: Do not apply paint, stickers, petrol or other solvents to this helmet. Your helmet could be seriously damaged by these substances without showing any apparent visible damage. A helmet damaged or weakened by a cleaning agent may not provide head protection in an accident resulting serious personal injury or death. The correct way to clean a helmet is to mix 5 or 6 drops of mild soap in quart of warm water. Dampen a soft cloth with this solution and wipe the helmet clean, rinse with a wet cloth.

Helmet model: FD-906 Visor model: YA-906V

Attention

Attention: The information above is the factory homologation shell identification/certification code referring to this helmet.

Type : FD-906

Date: 20.12.2023

Manufacture : , LTD. Page 29 of 29

Annex 9: Examples of helmet

EXTENSION
UNECE n°22 Series 06

Job Number	[EAB622207]		
Report	Code:	[REDACTED] FD-906 E06 Helmet Approval 20231119	
	Date:	19/11/2023	
[REDACTED]	[REDACTED]		
	[REDACTED]		
Representative	[it does not apply]		
Sample	Helmet model:	FD-906	
	Approval n°:	E11*22R06/02*0876*01	
	Stickers from n°:	n/a	to n°: n/a Batch n°: n/a
	Arrival date:	16/10/2023	Testing date: 19/11/2023
Test Site	[OMEGA CHINA] / [OMEGA ITALY]		

Essential Technical Data

SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59-60cm XL 61-62cm XXL 63-64cm]	
SHELL MATERIAL	[ABS]	
WEIGHT	[gr with Bluetooth XS-M 1550 ± 50, L-XXL 1600 ± 50]	
RETENTION SYSTEM	[Micrometric, DD]	
REFLECTIVE BANDS	No	
ENVIRONMENTAL CONDITIONS	Temperature [°C]	[22]

Used Machine	Identifier /Manufacturer	Expiry Date
Tracking point of impact	L4 (AD Engineering)	Daily Check IO 7.2.13
Shock absorption / DLS 9000	L1 (AD Engineering)	[15 December 2023]
Chin strap resistance	L5 (Hototech)	[9 December 2024]
Conditioning chamber: Freezer	L10 (Hototech)	[14 December 2023]
Conditioning chamber: Oven	L9 (Hototech)	[14 December 2023]
Compressibility	M0030 (AD Engineering)	[21/05/2025]
Chin strap efficiency [Roll-off]	L7 (Hototech)	[06/01/2025]

The Helmet has been tested in the different configurations as supplied by the client.

Job Number: [EAB622207]

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HELMET IMAGES



Front



Side 1



Side 2



Rear



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GENERAL SPECIFICATION TEST

SIZES XS (53-54) S (55-56) M (57- 58) L (59-60) XL (61-62) XXL (63-64)

Reference	General Specification		Result	
			Pass (or N/A)	Fail
6.1	Hard shell		Pass	
6.1	Impact absorption system (see test data in this report)		Pass	
6.1	Retention system		Pass	
6.2.2	Marked "Does not protect chin from impacts" (if applicable)		N/A	
6.4.1	Extent of protection		Pass	
6.4.2	Nape cylinder		Pass	
6.4.3	Protective padding		Pass	
6.5	Outer round surface – Auditive faculties		Pass	
6.6	Projections (≥ 2 mm)		Pass	
6.7	External Projections ($h \leq 2$ mm – $r \geq 1$ mm) ; ($h \geq 2$ mm – $r \geq 2$ mm)		Pass	
6.8	Helmet interior		Pass	
6.9	Assembly		Pass	
6.10	Chin strap abrasion		Pass	
6.11 - 6.11.1	Retention system – Chin strap width (≥ 20 mm)		Pass	
6.11.2	Under-chin		Pass	
6.11.3	Chin strap regulation system		Pass	
6.11.4	Rigid parts		Pass	
6.11.5	Buckle – "Double D" or "Roller buckle"		Pass	
6.11.6	Pulling flap (red 10 x 20mm)		Pass	
6.11.7	Quick release (general requirement)		Pass	
6.11.8	Quick release (tests par. 7.3, 7.6, 7.7)		Pass	
6.11.9	Wrong buckle use		Pass	
6.12	P/J helmets: device that maintains the intended position even during the complete series of impacts and retention (detaching) test (red)		N/A	
6.13	Material properties (manufacturer declaration)		Pass	
6.14	Helmet breaking		Pass	
6.15, 6.15.3.1 6.15.3.2 6.15.3.3	Peripheral vision:	Lateral visual clearance 105°	Pass	
		Upward visual clearance 7°	Pass	
		Downward visual clearance 45°	Pass	
6.18.2 to 6.18.6	Reflective parts (see test reports)		N/A	



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3/10-Jan-24

SPECIFICATION

H.F. Size	[54 to 62]
Impact point	B / P / X / R / S Extra Point
Anvil	Kerbstone / Flat
Impact point Rotational	45° / 180° / 270° / 0° / 135°
Anvil	45° anvil
Conditioning [°C]	
AMB	25 °C ± 5 °C for more than 4 hours
LOW	-10 °C ± 2 °C for more than 4 hours
HIGH	+50 °C ± 2 °C for more than 4 hours and less than 8 hours
UV+H ₂ O	Ultraviolet radiation by a 150-watt xenon- 48 hours Water spray 4 to 6 hours, 1 litre per minute
Speed [m/s]	7.5 m/s + 0.15 m/s (6-0 + 0.15 m/s for the S point) High Speed 8.2 m/s + 0.15 m/s Low Speed 6.0 m/s + 0.15 m/s
HIC	≤ 2400 High Speed ≤ 2880 Low Speed ≤ 1300 Rotational 0.78
Deceleration	≤ 275 Low Speed ≤ 180 Rotational ≤ 10400 rad/s ²



IMPACT ABSORPTION TESTS

Ref. 7.3

Helmet size XXL (63-64)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-3750	62	B	FLAT	AMB	7.53	166	1201
			X	FLAT		7.59	221	1621
			P	FLAT		7.53	192	1801
			R	FLAT		7.55	137	757
-	23-3751	62	B	KERB	AMB	7.65	166	1017
			X	KERB		7.59	170	1106
			P	KERB		7.51	268	1344
			R	KERB		7.51	111	652
-	23-3752	62	B	KERB	+50	7.65	181	1008
			X	KERB		7.51	210	1238
			P	KERB		7.51	236	2230
			R	KERB		7.55	100	566
-	23-3753	62	B	FLAT	-10	7.53	149	1299
			X	FLAT		7.51	230	1845
			P	FLAT		7.51	163	1301
			R	FLAT		7.53	133	736
			S	FLAT		6.04	210	928
-	23-3754	62	B	FLAT	UV + WET	7.53	173	1210
			X	FLAT		7.59	228	1732
			P	FLAT		7.53	198	1798
			R	FLAT		7.55	143	863

Helmet size L (59-60)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-3768	60	B	KERB	+50	7.53	115	792
			X	KERB		7.59	164	1067
			P	KERB		7.53	207	1220
			R	KERB		7.51	106	622
-	23-3767	60	B	FLAT	-10	7.53	158	1278
			X	FLAT		7.53	231	1836
			P	FLAT		7.53	162	1370
			R	FLAT		7.55	136	799
			S	FLAT		6.04	238	1030



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IMPACT ABSORPTION TESTS, EXTRA POINTS

Ref. 7.3 & 7.3.4.2.1

Helmet size XXL (63-64)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-3755	62	BXL	KERB	AMB	7.53	169	1062
			RXR	KERB		7.59	149	1154
			BXPR	KERB		7.53	149	1090
			RXPL	KERB		7.51	142	1199
-	23-3756	62	BXL	FLAT	AMB	7.53	172	1411
			RXR	FLAT		7.56	190	1520
			BXPR	FLAT		7.53	199	1600
			RXPL	FLAT		7.53	183	1448

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-3761	57	BXL	KERB	AMB	7.51	133	913
			RXR	KERB		7.53	152	1151
			BXPR	KERB		7.53	136	1077
			RXPL	KERB		7.51	141	1190
-	23-3762	57	BXL	FLAT	AMB	7.59	164	1282
			RXR	FLAT		7.52	184	1548
			BXPR	FLAT		7.59	188	1641
			RXPL	FLAT		7.59	178	1570

HIGH ENERGY IMPACT TESTS

Ref. 7.3 & 7.3.1.4

Helmet size XXL (63-63)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	23-3757	62	B	FLAT	AMB	8.20	178	1484
			X	FLAT		8.20	268	2313
			P	FLAT		8.22	214	2212
			R	FLAT		8.20	153	955

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	23-3763	57	B	FLAT	AMB	8.20	181	1286
			X	FLAT		8.22	267	2439
			P	FLAT		8.20	265	2558
			R	FLAT		8.20	154	1167


 UK Vehicle
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LOW ENERGY IMPACT TESTS

Ref. 7.3 & 7.3.1.4

Helmet size XXL (63-63)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	23-3758	62	B	FLAT	AMB	6.02	155	738
			X	FLAT		6.02	160	865
			P	FLAT		6.04	146	1059
			R	FLAT		6.02	126	719

LOW ENERGY IMPACT TESTS

Ref. 7.3 & 7.3.1.4

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	23-3764	57	B	FLAT	AMB	6.07	154	963
			X	FLAT		6.02	166	967
			P	FLAT		6.05	136	1015
			R	FLAT		6.04	106	465

OBLIQUE IMPACT TEST

Ref. 7.13 & Annex 7

Helmet size XXL (63-64)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s ⁻²]	BrIC ≤ 0,78
-	23-3760	62	45°	45°	AMB	8.14	2406	0.32
			180°	45°		8.11	2021	0.23
			270°	45°		8.14	2743	0.34
-	23-3759	62	0°	45°	AMB	8.11	2092	0.29
			135°	45°		8.14	2874	0.44

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s ⁻²]	BrIC ≤ 0,78
-	23-3766	57	45°	45°	AMB	8.14	2865	0.40
			180°	45°		8.11	2129	0.45
			270°	45°		8.11	2948	0.41
-	23-3765	57	0°	45°	AMB	8.11	3504	0.49
			135°	45°		8.14	3215	0.50



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TEST FOR PROJECTION AND SURFACE FRICTION METHOD B

Ref. 7.4.2

Sticker n°	Helmet Internal Id	Tested Point	Result	
			Pass	Fail
-	23-3494	[Side Right]	X	-
-	23-3494	[Top]	X	-

[Complete the table with "X" or "-" as applicable]

RIGIDITY TEST

Ref. 7.5

Sticker n°	Helmet Internal Id	Size	Load Direction	Deformation [mm]		
				Initial (load 30N)	Max 40 [mm] (load 630N)	Final 15 [mm] (load 30N)
-	23-3495	XL	Longitudinal	1	13	2
-	23-3495	XL	Transversal	1	10	1

DYNAMIC TEST OF THE RETENTION SYSTEM

Ref. 7.6

Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-3771	XS	DD	28	12.9
Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-3769	L	DD	28.2	17.8
Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-3770	L	Micrometric	27.1	12.5

RETENTION (DETACJING) TEST - ROLL OFF

Ref. 7.7

CHIN STRAP: [DD]				
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle ≤ 30°
-	23-3771	XS	Reverse Position (7.7.2)	27
		XS	Roll-Off (7.7.3)	20

CHIN STRAP: [DD]				
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle ≤ 30°
-	23-3769	L	Reverse Position (7.7.2)	27
		L	Roll-Off (7.7.3)	27

CHIN STRAP: [Micrometric]				
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle ≤ 30°
-	23-3770	L	Reverse Position (7.7.2)	27
		L	Roll-Off (7.7.3)	28



UK Vehicle Certification Authority

8/10-Jan-24

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Reverse Position



ROLL-OFF



RETENTION SYSTEM STRENGTH

REFLECTIVE PARTS

Reference	Test	Result	
		Pass or N/A	Fail
6.16.2	Reflective parts (Geometry requirements)	N/A	
6.16.3	Reflective parts (Colorimetric requirements)	N/A	
6.16.4	Reflective parts (Photometric requirements)	N/A	
6.16.5	Reflective parts (Resistance to external agents requirements)	N/A	
6.16.6	Reflective parts (Compatibility of materials requirements)	N/A	

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM.

Laboratory Technician

(Gao Yaming)
Gao Yaming

Laboratory Manager

(Kidman Yu)
Kidman Yu

(Juan Pablo Cuesta)
Juan Pablo Cuesta

END OF REPORT

VCA JOB NUMER: EAB622207MANUFACTURER: TYPE: FD-906

The undersigned confirms that the tests conducted under the above job number have been carried out in accordance with the requirements of the specified Regulation/Directive and the Licence between OMEGA S.R.L. and VCA relating to type approval testing.

The undersigned has not been involved in any design nor development work on the products to be approved nor, any related product.

SIGNED:

NAME (in capitals): J.P. CUESTA RUIZDATE: 22 December 2023