



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL EXTENDED OF A TYPE OF PROTECTIVE
HELMET WITH ONE VISOR TYPE(S) WITH ONE SPECIFIC ACCESSORY TYPE(S) PURSUANT TO
UN REGULATION NO. 22.06



Approval No: E11*22R06/02*0772*02

Reason(s) for extension: To cover:

- 1) Addition of new trade mark
- 2) Addition of new helmet vent drawings in Annex 1
- 3) Addition of P30 and P70 pinlock drawings in Annex 2
- 4) Addition of Item 1.2.9, 1.8.1.2 and 1.8.1.3
- 5) Update of Annex 2, Annex 3, Annex 5, Annex 7 and Annex 8
- 6) Update of commercial description
- 7) Update of supplement level

1.

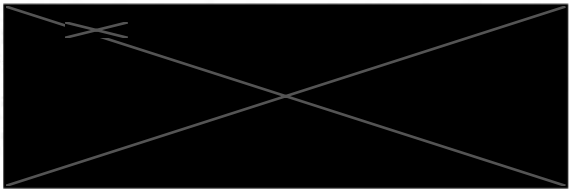


2. Type: FD-916

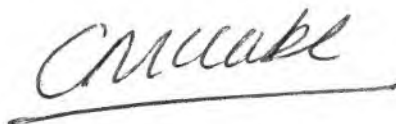
3. Sizes: XS (53-54); S (55-56); M (57-58); L (59-60); XL(61-62);XXL(63-64)

4. Manufacturer's name:

Wenzhou Kangxing Auto & Motorcycle Fittings Co., Ltd.

5. Address:

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 with protective lower face cover (P)
10. Type of visor or visors: FD-910V
11. Brief description of visor or visors and inner visor if any: See Manufacturer's documentation
12. Helmet ready for specific accessory (SA)
13. Accessories included in the helmet homologation and functionality: FD-916-1 inside bluetooth
FD-916-2 external bluetooth
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: As before (14 September 2021, 12 May 2022) and 23 February 2023
16. Technical service responsible for conducting approval tests: Omega s.r.l
17. Date of report issued by that service: As before (12 October 2021; 12 May 2022) and 24
February 2023
18. Number of report issued by that service: As before (XSY001892, XSA003345) and XSA004418
19. Comments: FD-910SV

20. Approval EXTENDED
21. Place: BRISTOL
22. Date: 21 MARCH 2023
23. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

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



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/02*0772*02

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 02

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method COP Audit

Date of Initial Clearance October 2020

Date of Last Clearance August 2022

Total number of sheets: 32 (Thirty-two)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp

INFORMATION DOCUMENT

No.: R22-FD-916-02



TYPE: FD-916

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:

Date: 15.04.2022

Type : FD-916

Date: 15.04.2022

Manufacture :

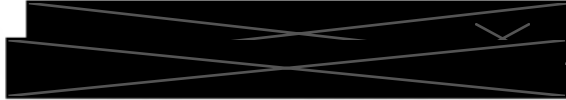
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GENERAL INFORMATION**Reason(s) for Extension**

- 1) Addition of new trade mark
- 2) Addition of new helmet vent drawings in Annex 1
- 3) Addition of P30 and P70 pinlock drawings in Annex 2
- 4) Addition of Item 1.2.9, 1.8.1.2 and 1.8.1.3
- 5) Update of Annex 2, Annex 3, Annex 5, Annex 7 and Annex 8
- 6) Update of commercial description
- 7) Update of supplement level

0.1



0.2

Type

: FD-916

0.2.1

Commercial description(s)

: FD-916,FD-916DV,FD-916C,FD-916-1,
FD-916-2, FD-916C-1, FD-916C-2

0.3

Variants / Versions

: Version 1: Without Bluetooth, Version 2: Bluetooth
external, Version 3: Bluetooth inside

0.4

Name and address of manufacturer



0.5

Name and address of assembly plant



0.6

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

: n.a.

0.7

Location and method of affixing of the
international approval mark: Marked in a label sewn on the retention system,
see Annex 7;
Stick to the side of Visor, Out of the main field of
vision, see Annex 2.

Type : FD-916

Date: 15.04.2022

Manufacture :

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1 TECHNICAL DESCRIPTION

- 1.1 Description of the helmet
- 1.1.1 Type of helmet : FD-916
- 1.1.2 Type of lower face cover : "p"
- 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 : FD-910V
- 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 Transmittance : Above 80%
- 1.2.5 Surface treatment : Anti-scratch (outside)
- 1.2.6 Manufacture method : By injection
- 1.2.7 Type(s) of helmet to which may be equipped with this visor : FD-916 helmet
- 1.2.8 Drawing of the visor : See Annex 2
- 1.2.9 **Description of Pinlock**
- 1.2.9.1 **Type** : **P30, P70**
- 1.2.9.2 **Material and Dimension** : **See Annex 2**
- 1.2.9.3 **Transmittance** : **with P30 Above 80%, with P70 between 30% and 80%**
- 1.3 Description of the shell
- 1.3.1 Material : composite material
- 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 : EPS

1.4.2 Density and weight :

Size (cm)	Shell Size	Comfort padding thickness +Top Zone (mm)	EPS Density (Main+Top+Ear+Chin) (Kg/m ³)	EPS test point Thickness (mm)	Main EPS Weight(Main+Top+Ear+Chin)(grams)
XS(53/54)	m	14+40	50+20+60+60	36+39+50+38	100+30+30+11
S(55/56)	m	12+35	50+20+60+60	30+41+44+38	90+30+25+11
M(57/58)	m	10+30	50+20+60+60	30+41+44+38	90+30+25+11
L(59/60)	L	10+25	50+25+60+60	30+40+45+36	105+35+30+11
XL(61/62)	L	8+20	50+25+60+60	29+42+45+36	103+35+30+11
XXL(63/64)	L	6+15	50+25+60+60	29+42+45+36	103+35+30+11

1.4.3 Drawing of the protective padding : See Annex 5

Approval Authority Certification Agency

21-Mar-23

type

: FD-916

Date: 15.04.2022

Manufacture

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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	: EPS
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.
1.8.1.2	Inside Bluetooth Model	: FD-916-1
1.8.1.3	External Bluetooth Model	: FD-916-2
1.8.2	Information for wearer	
1.8.2.1	Text	: See Annex 8
1.8.2.2	Position	: Inside the helmet

ANNEXS

Annex 1	Drawing of the helmet	15.04.2022
Annex 2	Drawing of the visor	15.04.2022
Annex 3	Drawing of the sun shade	15.04.2022
Annex 4	Drawing of the shell	15.04.2022
Annex 5	Drawing of the protective padding	15.04.2022
Annex 6	Drawing of the comfort padding	15.04.2022
Annex 7	Drawing of the retention system	15.04.2022
Annex 8	Information for wearer	15.04.2022
Annex 9	Examples of Sample	15.04.2022

15.06.2022

Approval
AuthorityCertification
Agency

21-Mar-23

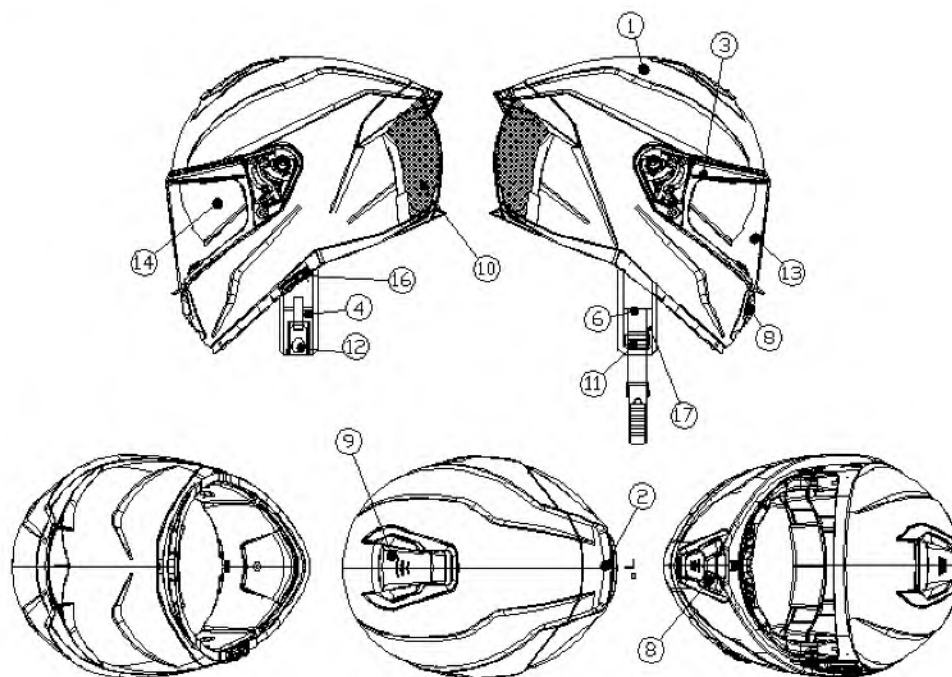
Type : FD-916

Date: 15.04.2022

Manufacture : [REDACTED]

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Annex 1: Drawing of the helmet



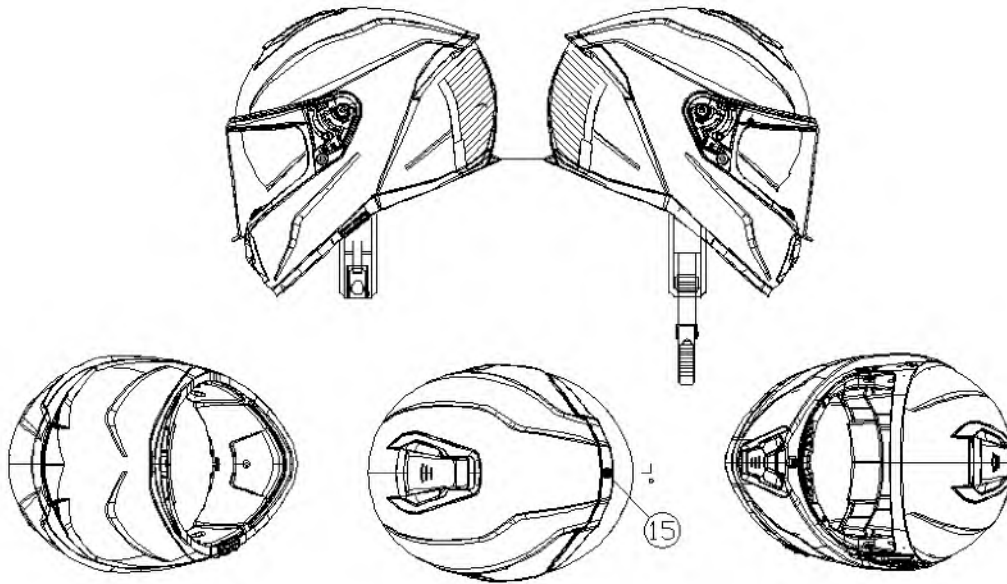
Number	Name	Material	Number	Name	Material
1	Shell	composite material	9	Front Upper Vents	ABS
2	Back Upper Vent	ABS	10	Protective Padding	EPS
3	Nose Protection	PVC	11	“B” Ring	Steel
4	ECE Marking	Cloth	12	Quick Release Buckle	Polycarbonate + Steel
5	Rear Hard Ring	ABS	13	Visor	PC
6	Chin Strap	Nylon	14	Sun visor	PC
7	Rubber Trim	PVC	16	sun visor switch button	POM
8	Chin guard Vent	ABS	17	Chin Strap	Nylon
Description	FD-916 Large Helmet		Code No.:	FD-916-1.1	
Manufacturer:	[REDACTED]				
Address:	[REDACTED]		[REDACTED]		
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Number	Name	Material	Number	Name	Material
15	Back Upper Vent	ABS			
Description	FD-916 Large Helmet		Code No.:	FD-916-1.2	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

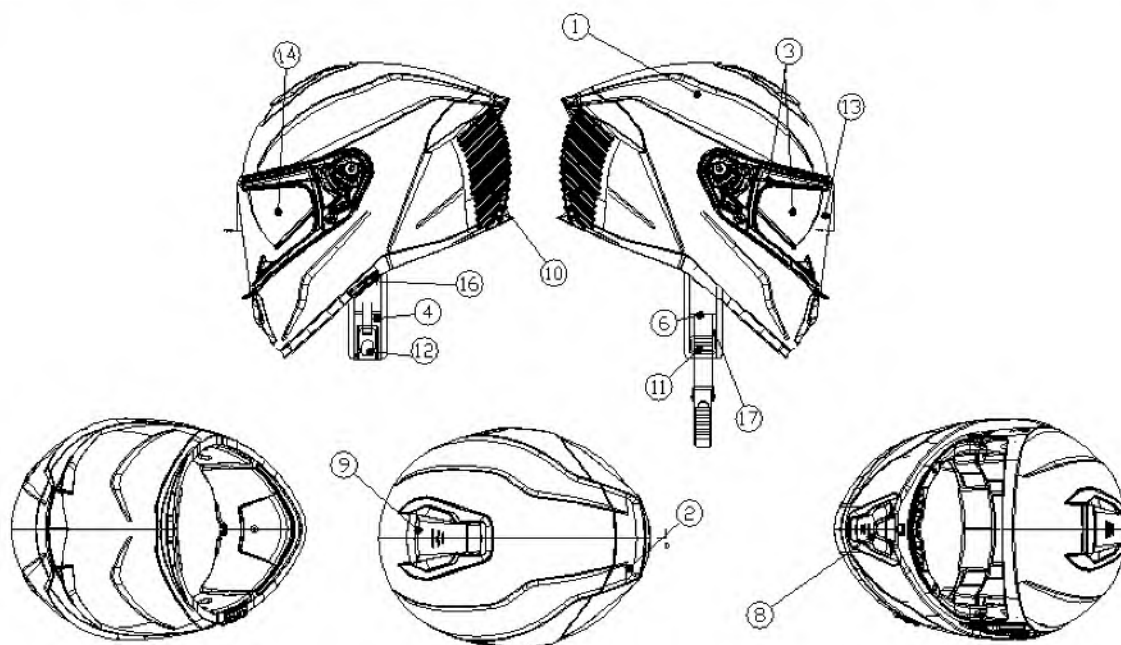


Type : FD-916

Date: 15.04.2022

Manufacture :

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Number	Name	Material	Number	Name	Material
1	Shell	composite	8	Chin guard Vent	ABS
2	Back Upper Vent	ABS	9	Front Upper Vents	ABS
3	Nose Protection	PVC	10	Protective Padding	EPS
4	ECE Marking	Cloth	11	“B” Ring	Steel
5	Rear Hard Ring	ABS	12	Quick Release Buckle	Polycarbonate + Steel
6	Chin Strap	Nylon	13	Visor	PC
7	Rubber Trim	PVC	14	Sun visor	PC
15			16	sun visor switch button	POM
17	Chin Strap	Nylon			
Description	FD-916 Small size Helmet		Code No.:	FD-916-1.3	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

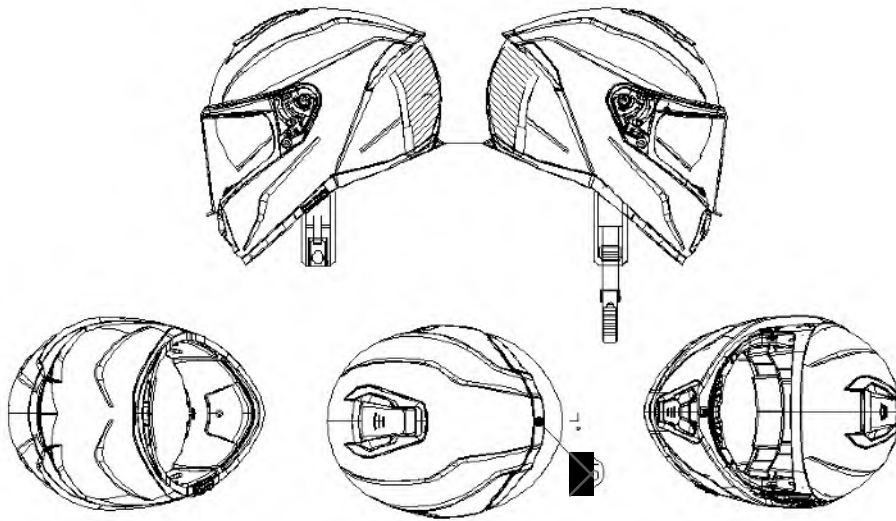
INFORMATION DOCUMENT

R22-FD-916-02

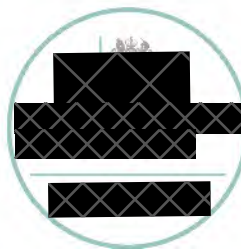
Type : FD-916

Date: 15.04.2022

Manufacture :

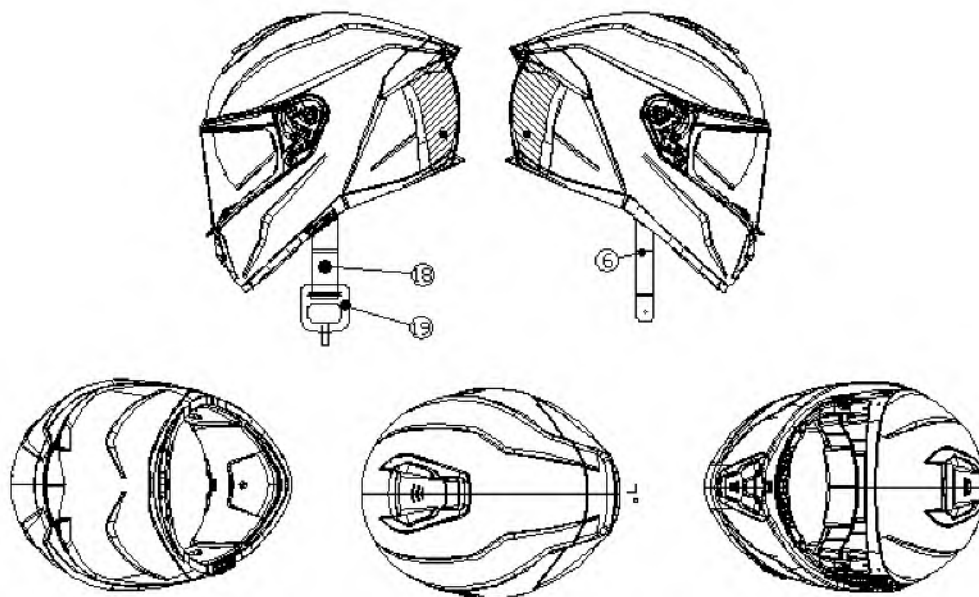


Number	Name	Material	Number	Name	Material
15	Back Upper Vent	ABS			
Description	FD-916 Small size Helmet		Code No.:	FD-916-1.4	
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021



Type : FD-916

Manufacture : [REDACTED]



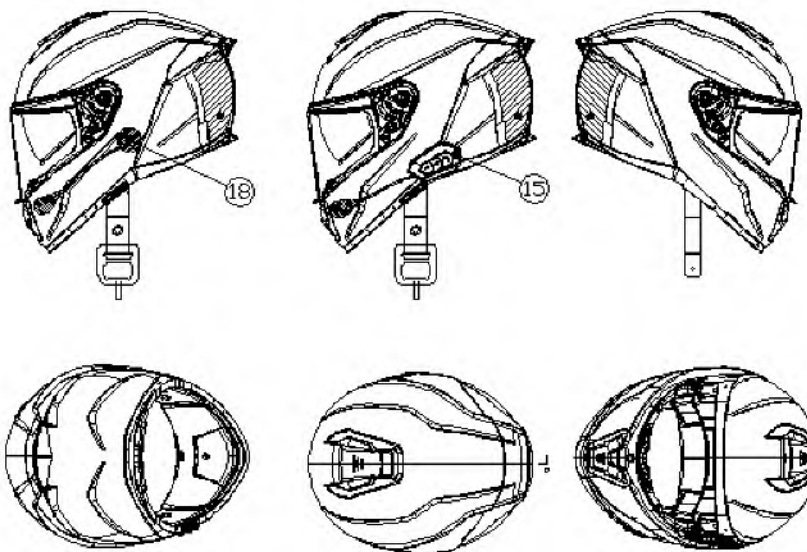
Number	Name	Material	Number	Name	Material
6	Chin Strap	Nylon	18	Plastic buckle	POM
			19	Double D ring	Steel
Description	FD-916 Helmet		Code No.:	FD-916C-1.2	
Manufacturer:					
Address:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Number	Name	Material	Number	Name	Material
15	external blue tooth		18	inside blue tooth	
Description	FD-916 Helmet		Code No.:	FD-916-1.3	
Manufacturer:	[REDACTED] p.				
[REDACTED]	[REDACTED]		[REDACTED]		
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture

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Attached to the EPS by Velcro tape
 Inside Bluetooth (Model: FD-916-1) - ABS + Compound sponge



Attached to helmet shell by clamp

Attached to EPS by Velcro tape

External Bluetooth (Model: FD-916-2) - ABS + Compound sponge

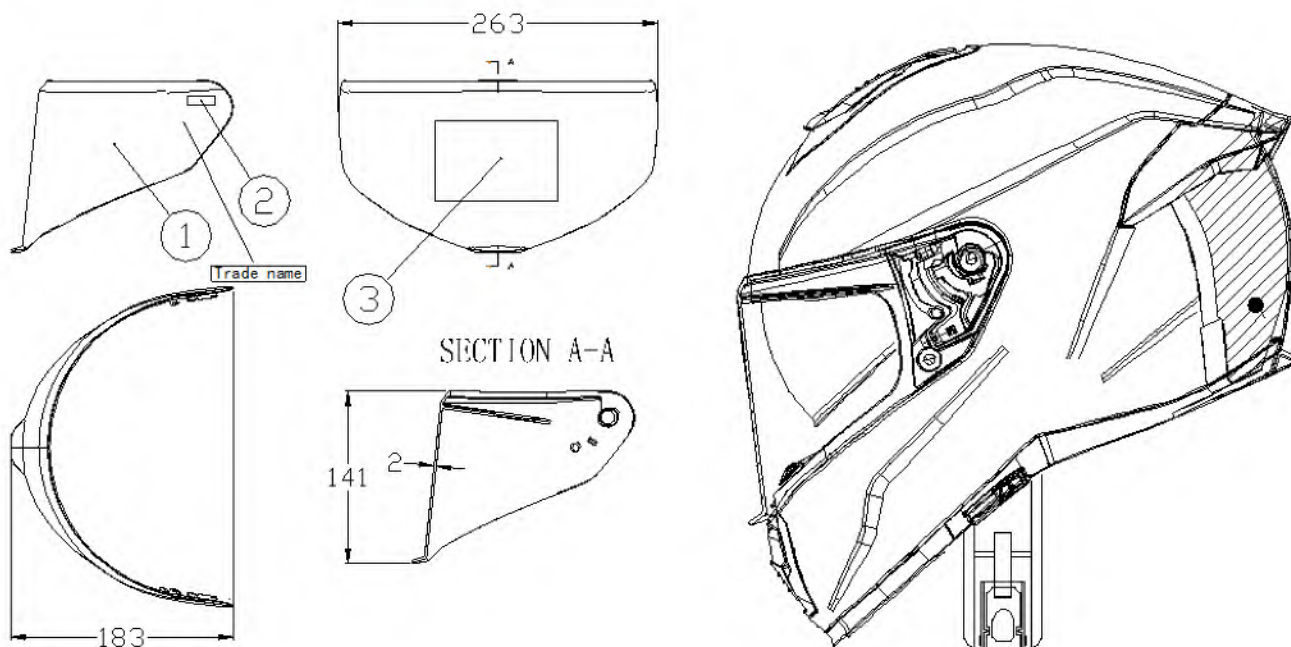
Type : FD-916

Date: 15.04.2022

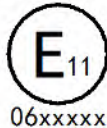
Manufacture : [REDACTED]

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Annex 2: Drawing of the visor



Unit: mm

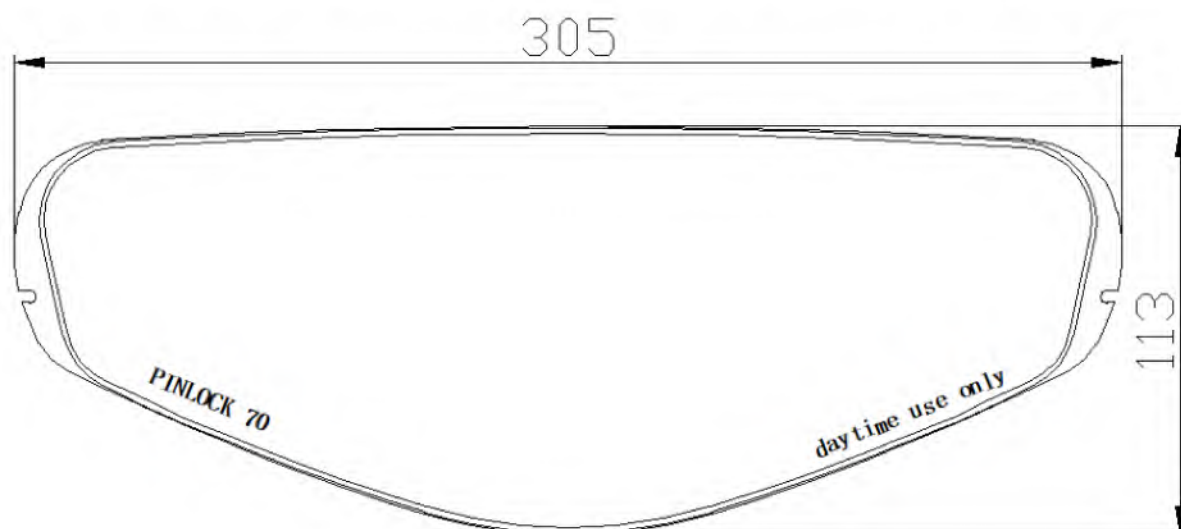
Number	Name	Parameter	Number	Name	Parameter
1	Visor material	PC	2	ECE Marking	
	Visor thickness	2.0±0.1 mm			
3	Information for wearer	PVC			
Description	FD-910V		Code No.:	FD-910V-2	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture : [REDACTED]

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**Unit: mm**

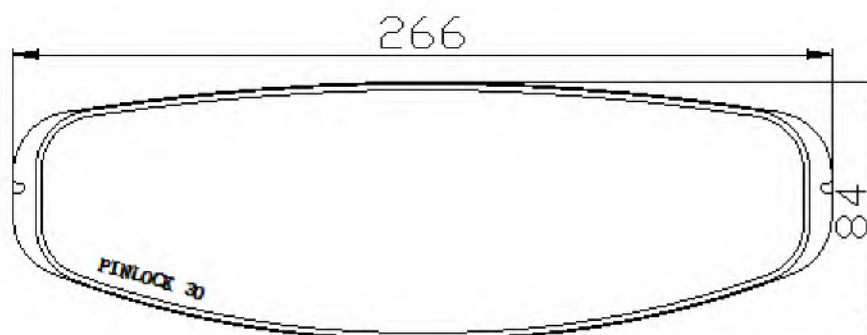
Number	Name	Parameter	Number	Name	Parameter
	Pinlock Material	wood fiber cellulose material			
	Visor thickness	0.7±0.2 mm			
Description	FD-910V Pinlock 70		Code No.:	FD-910V Pinlock 70	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
	Pinlock Material	wood fiber cellulose material			
	Visor thickness	0.6±0.2 mm			
Description	FD-910V Pinlock 30		Code No.:	FD-910V Pinlock 30	
Manufacturer:	WENZHOU KANGXING AUTO & MOTORCYCLE FITTINGS CO., LTD.				
Address:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type

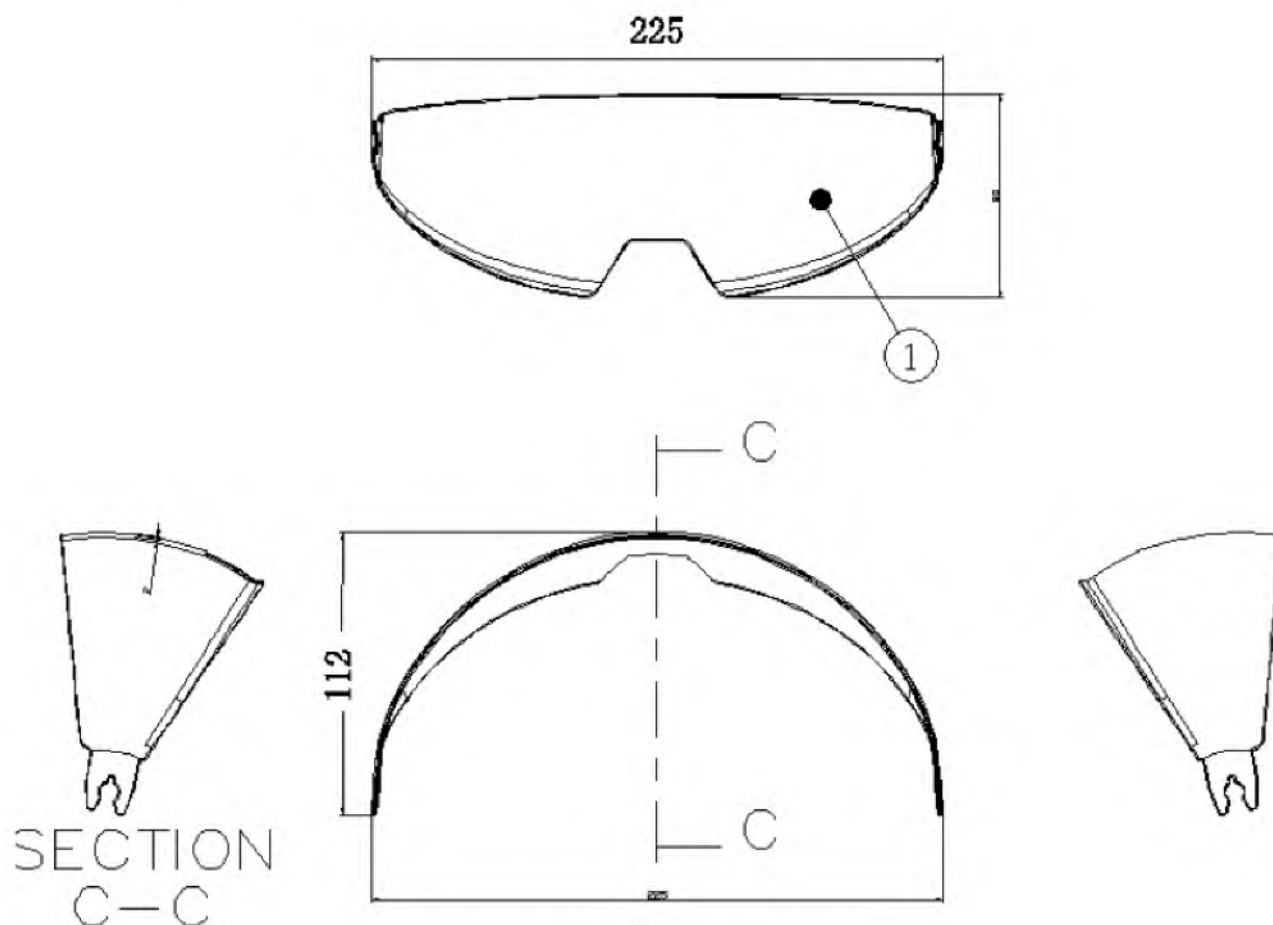
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Manufacture

Date: 15.04.2022

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Annex 3: Drawing of the sun shade



Unit:mm

Number	Name	Parameter	Number	Name	Parameter
1	Sun Shade	PC			
Description	FD-910SV		Code No.:	FD-910SV-3	
Manufacturer:	W [REDACTED].				
[REDACTED]:	[REDACTED]		[REDACTED]		
[REDACTED]:	[REDACTED]				
		Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

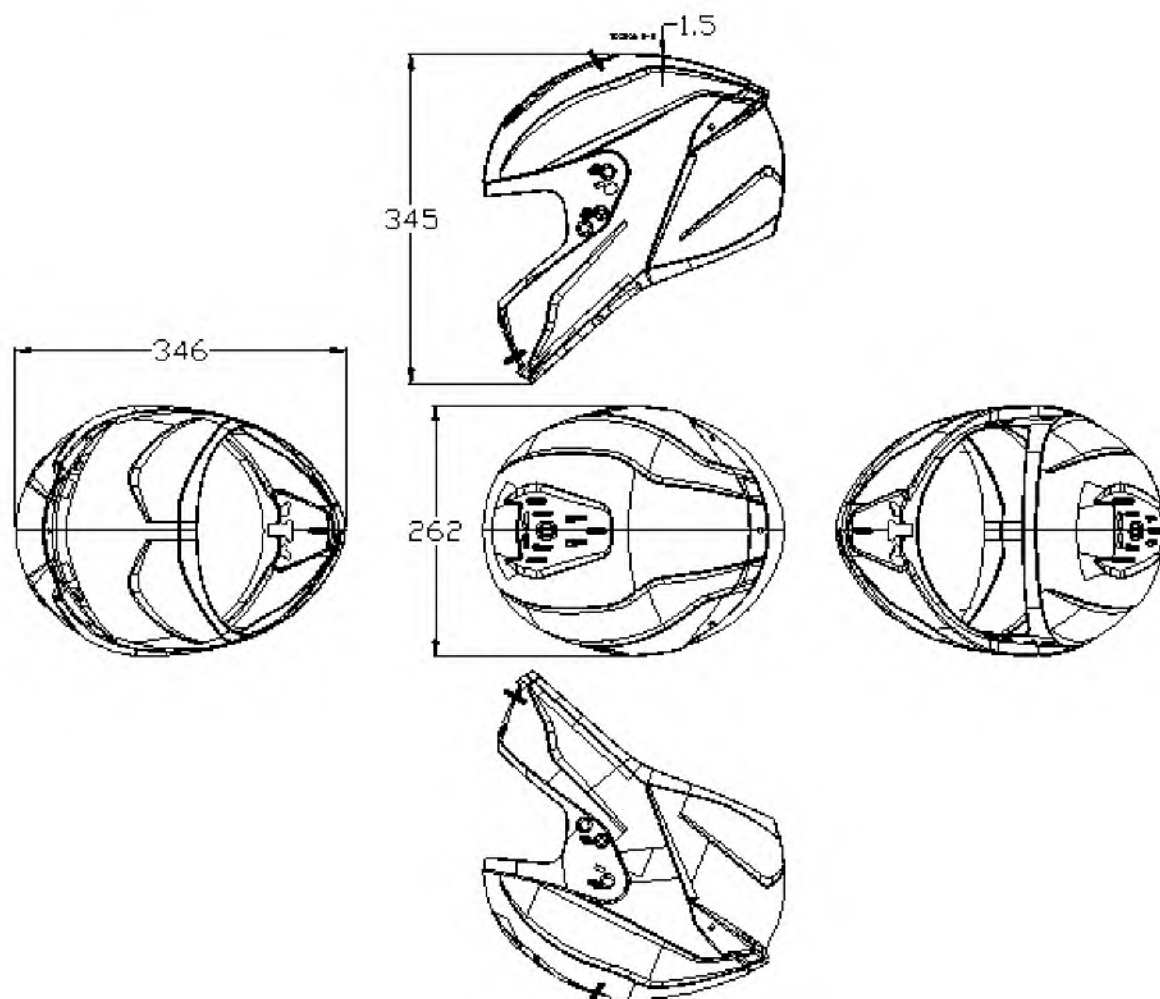
Type : FD-916

Date: 15.04.2022

Manufacture : V

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Annex 4: Drawing of the shell



Unit:mm

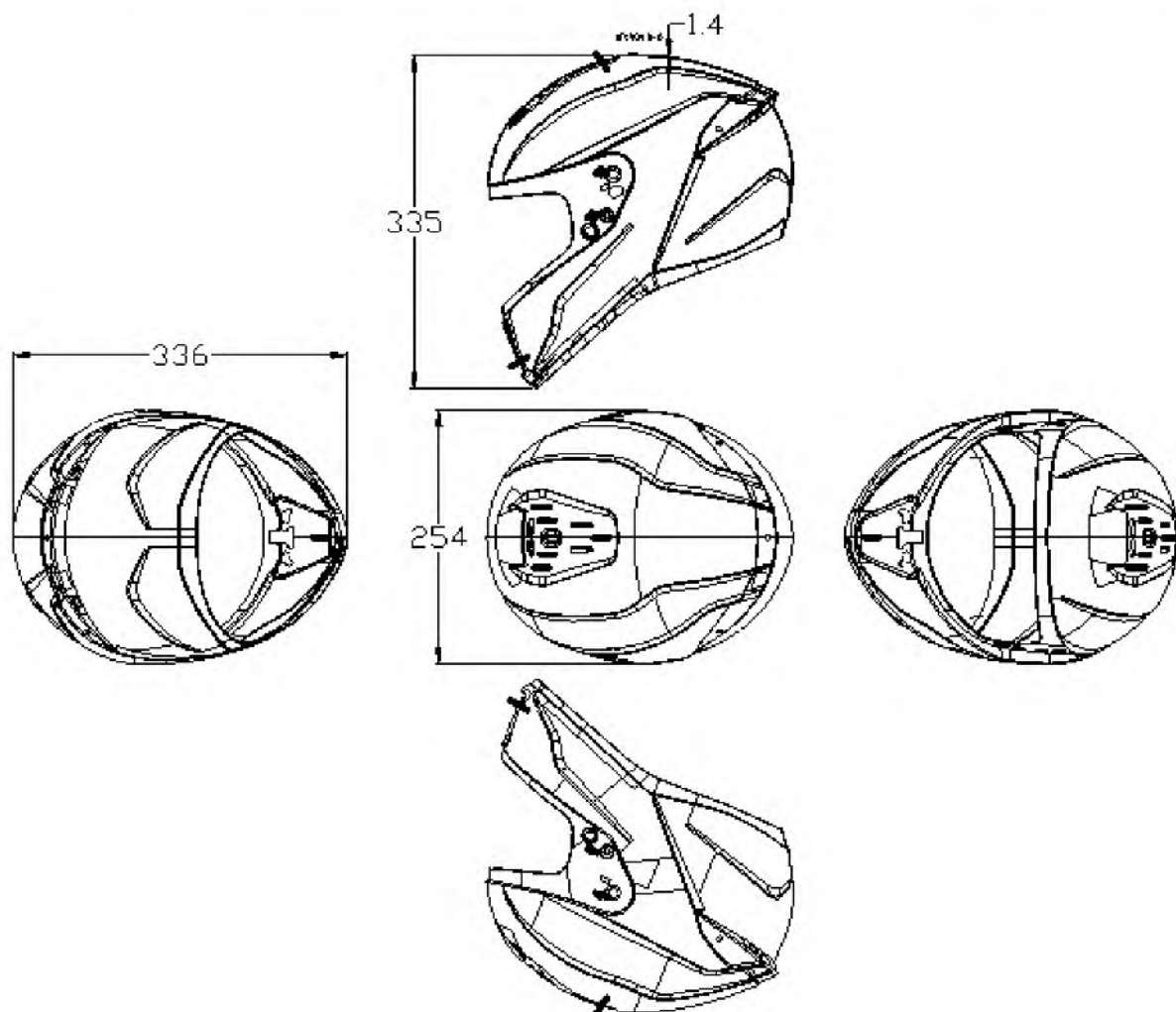
Number	Name	Parameter	Number	Name	Parameter
1	Shell	composite			
Description	FD-916 Large Shell		Code No.:	FD-916-4.1	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture : 

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Unit:mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	composite			
Description	FD-916 Small size Shell		Code No.:	FD-916-4.2	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

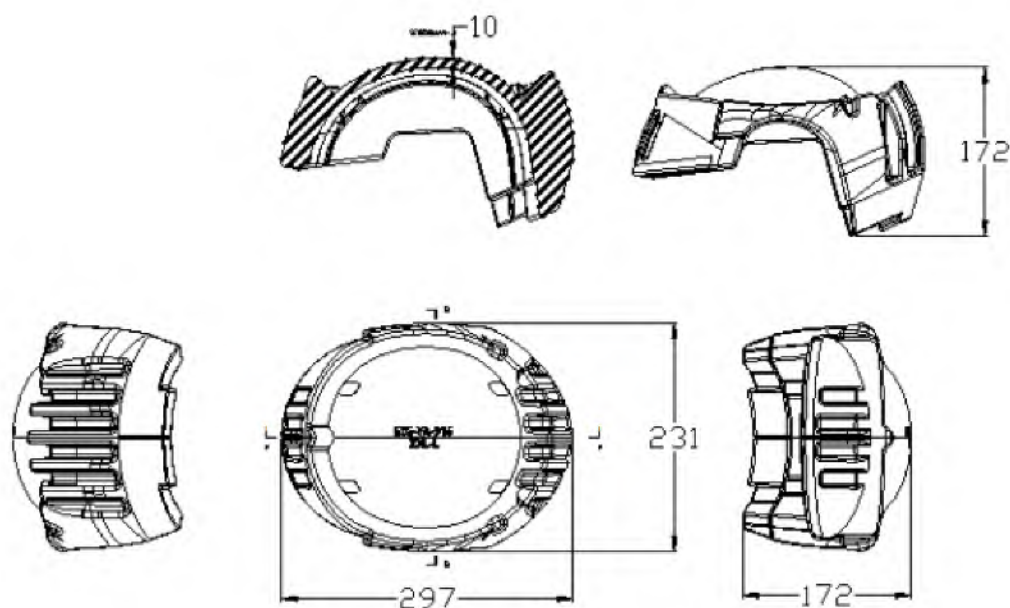
Type : FD-916

Date: 15.04.2022

Manufacture : V

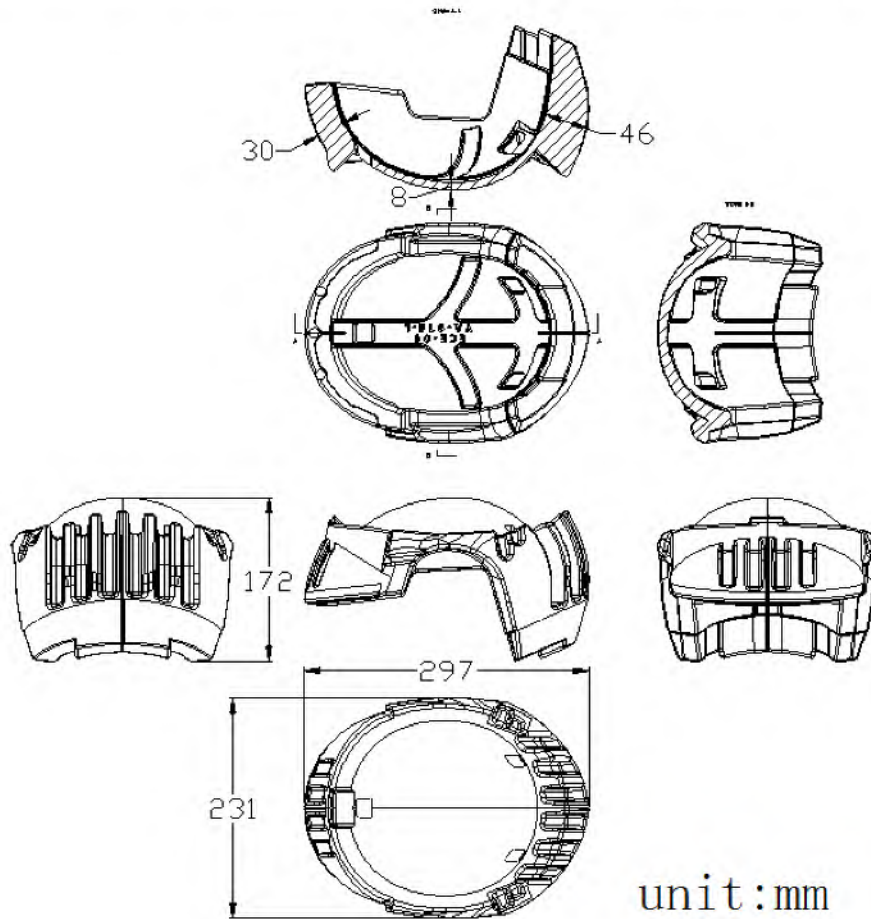
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Annex 5: Drawing of the protective padding



Unit:mm

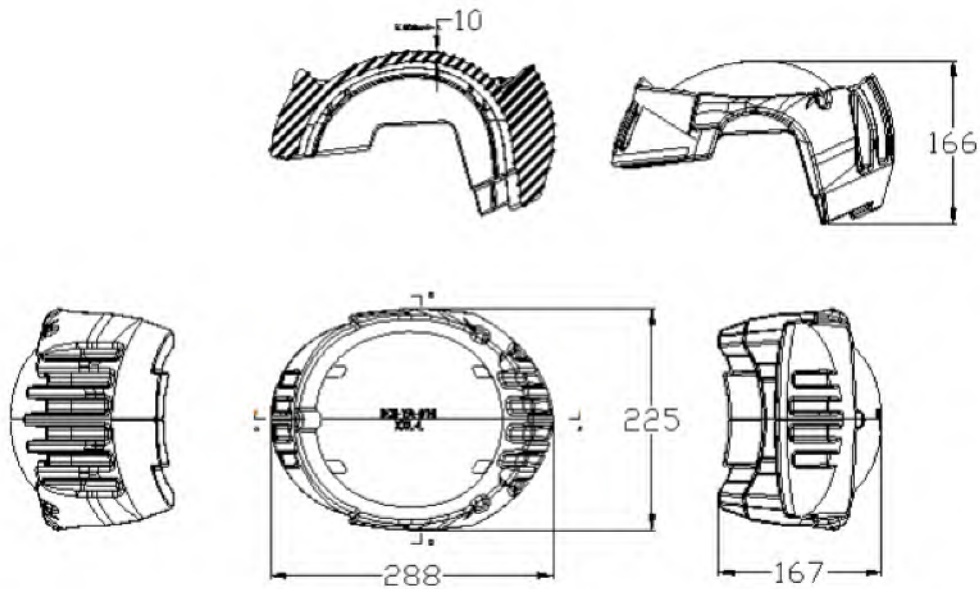
Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS			
Description	FD-916 Large Main Protective Padding		Code No.:	FD-916-5.1	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021



unit:mm

Unit:mm

Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS			
Description	FD-916 Large Main Protective Padding		Code No.:	FD-916-5.2	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021



Unit:mm

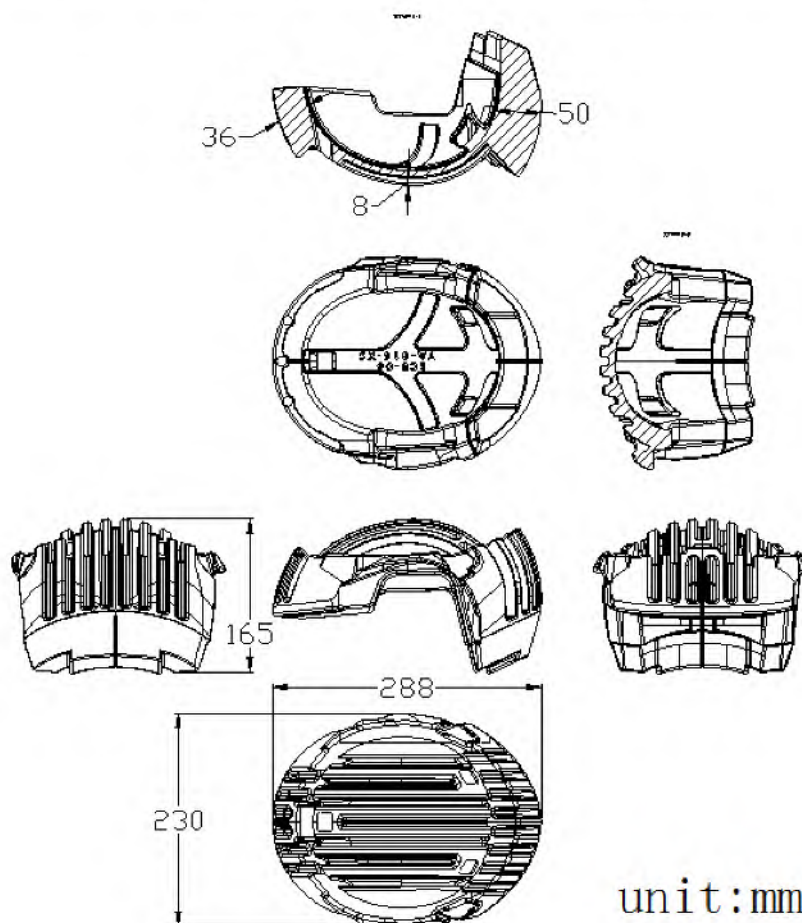
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1	Main Protective Padding	EPS			
Description	FD-916 Small Main Protective Padding		Code No.:	FD-916-5.3	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit:mm

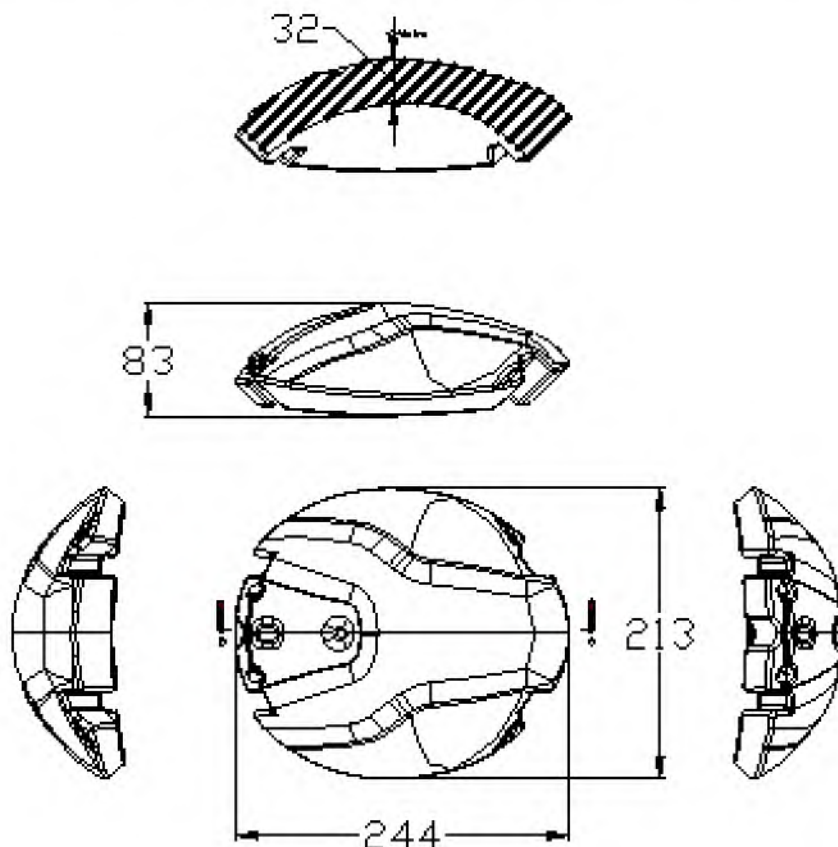
Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS			
Description	FD-916 Add Small Main Protective Padding		Code No.:	FD-916-5.4	
Manufacturer:					
Address:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit:mm

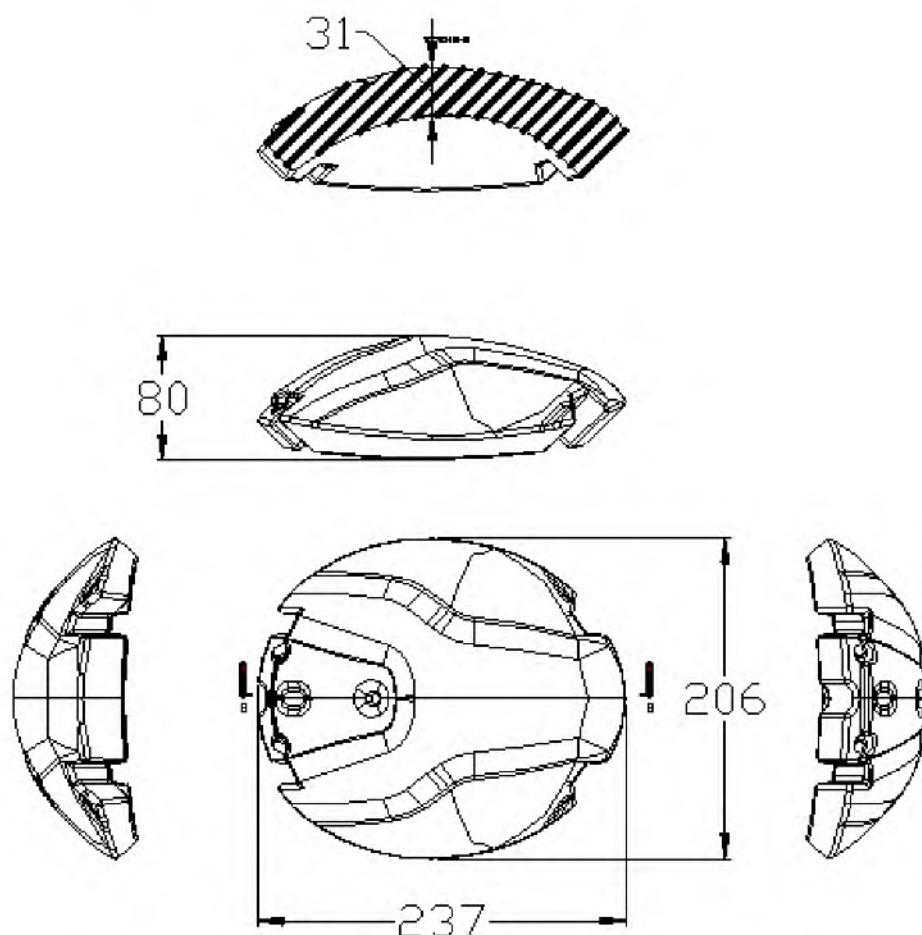
Number	Name	Parameter	Number	Name	Parameter
2	Top Outer Protective Padding	EPS			
Description	FD-916 Large Top Inner Protective Padding (Suit for all versions)		Code No.:	FD-916-5.5	
Manufacturer:					
Drawn by:					
Date:	25.05.2021	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

type : FD-916

Date: 15.04.2022

Manufacture : W

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Unit:mm

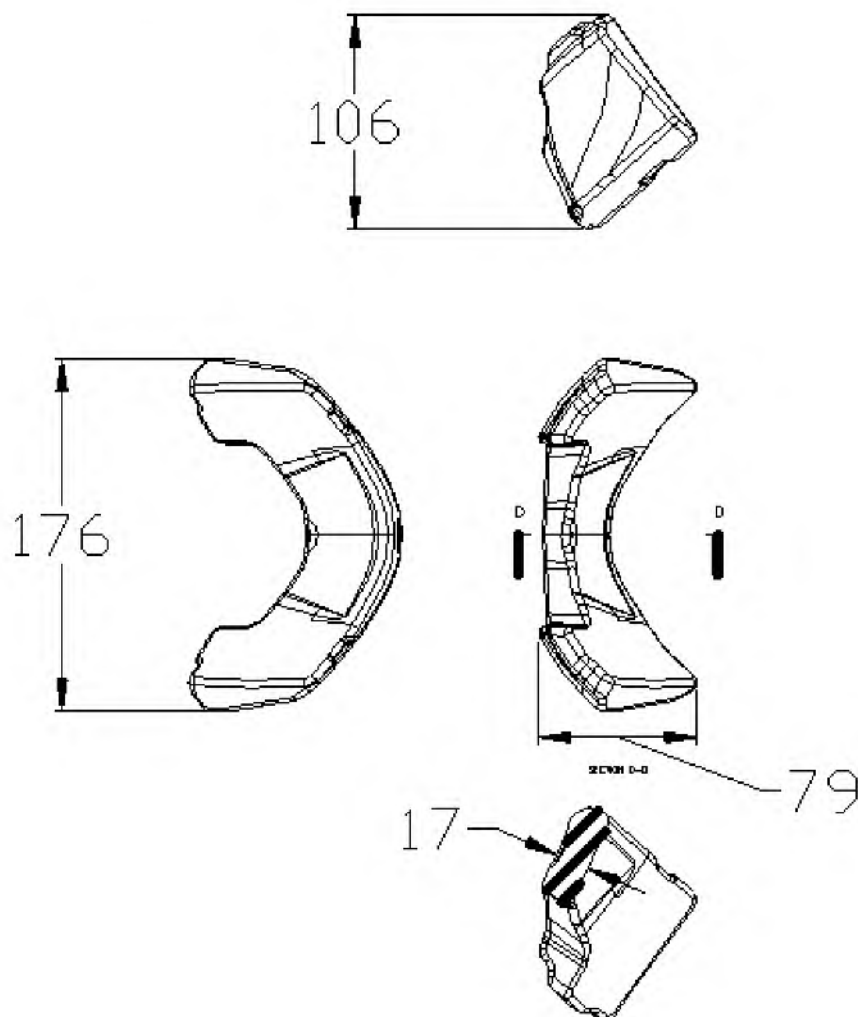
Number	Name	Parameter	Number	Name	Parameter
2	Top Outer Protective Padding	EPS			
Description	FD-916 Small Top Inner Protective Padding (Suit for all versions)		Code No.:	FD-916-5.6	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit:mm

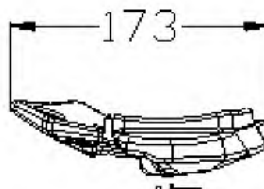
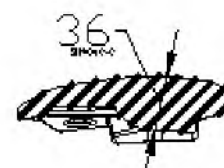
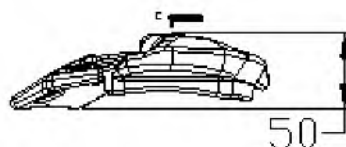
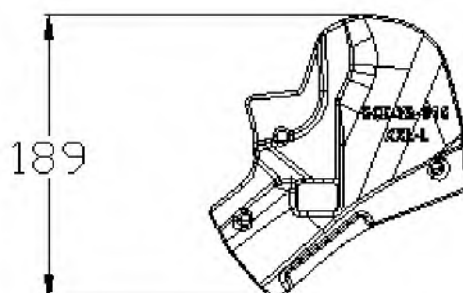
Number	Name	Parameter	Number	Name	Parameter
3	Mouth Protective Padding	EPS			
Description	FD-916 Mouth Protective Padding (Suit for all versions)		Code No.:	FD-916-5.7	
Manufacturer:					
	Checked by:		YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit:mm

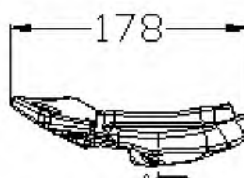
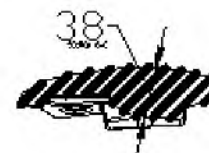
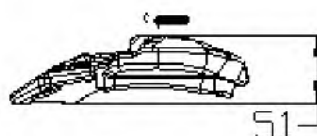
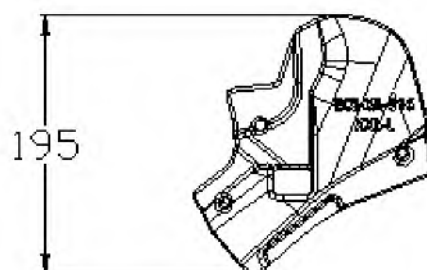
Number	Name	Parameter	Number	Name	Parameter
4	Ear Protective Padding	EPS			
Description	FD-916 Large Ear Protective Padding (Suit for all versions)		Code No.:	FD-916-5.8	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture :

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Unit:mm

Number	Name	Parameter	Number	Name	Parameter
4	Ear Protective Padding	EPS			
Description	FD-916 Small Ear Protective Padding (Suit for all versions)		Code No.:	FD-916-5.9	
Manufacturer:					
	UI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

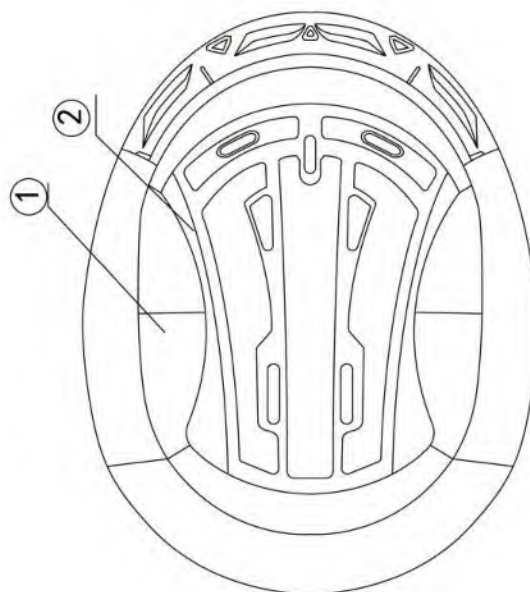
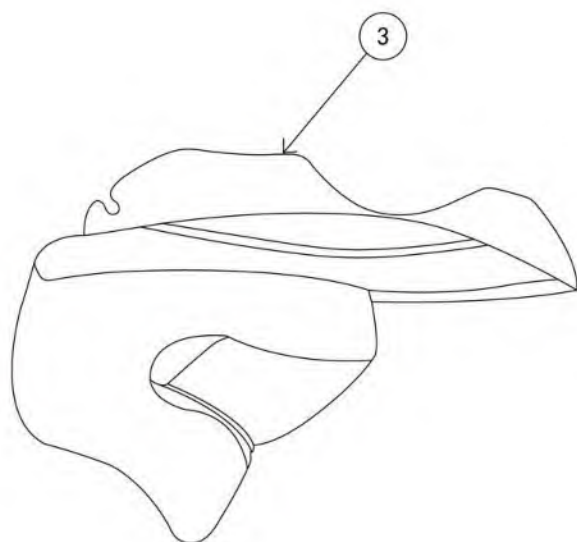
Type : FD-916

Date: 15.04.2022

Manufacture : [REDACTED]

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Annex 6: Drawing of the comfort padding



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-916 Comfort Padding		Code No.:	FD-916-6	
Manufacturer:	[REDACTED] 0.				
Address:	[REDACTED]				
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

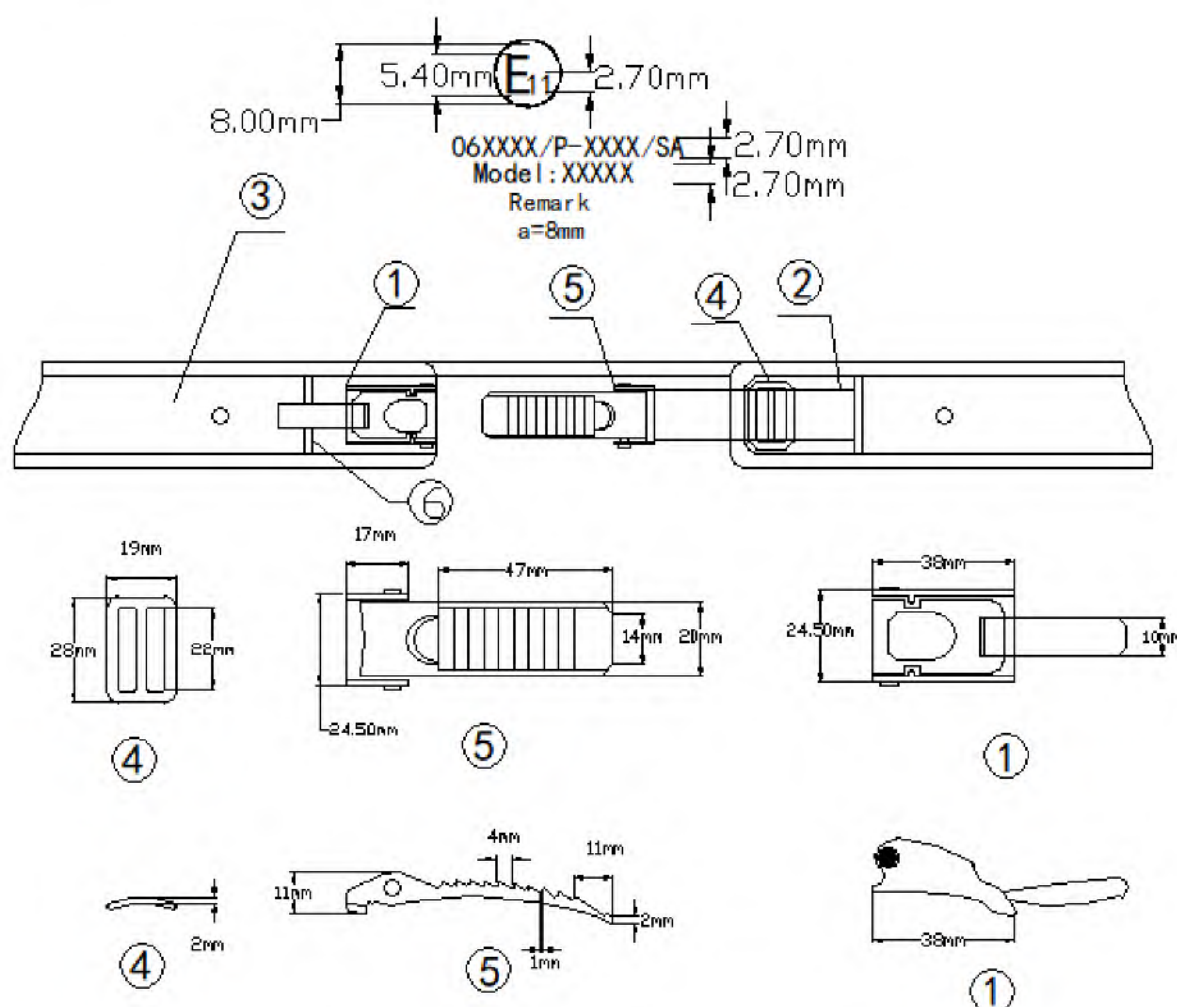
Type : FD-916

Date: 15.04.2022

Manufacture :

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Annex 7: Drawing of the retention system



Unit:mm

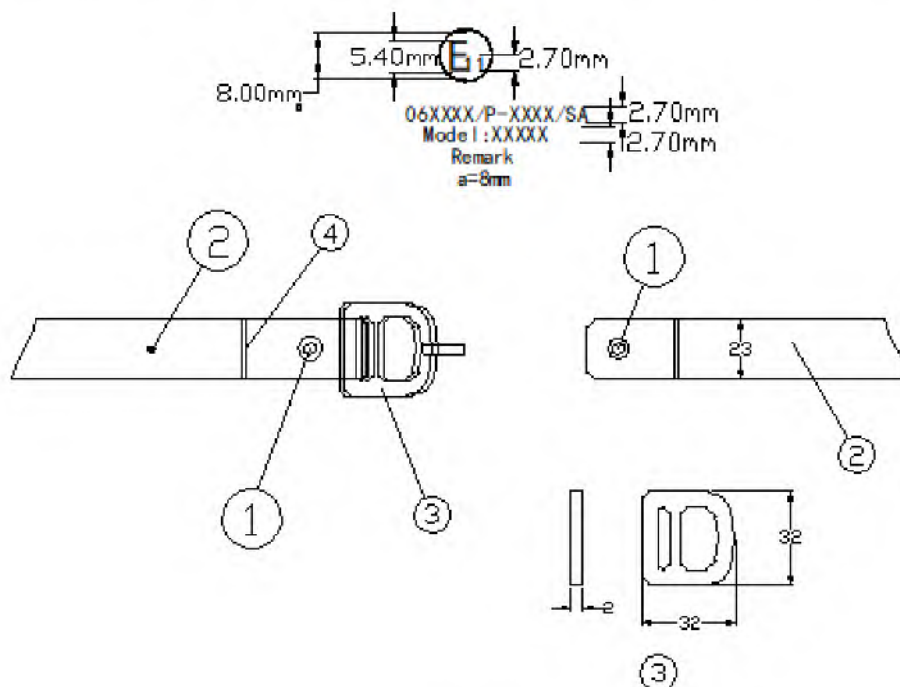
Number	Name	Parameter	Number	Name	Parameter
1	Quick Release Buckle	Polycarbonate + Steel	4	“B” Ring	Steel
2	Chin Strap	Nylon	5	Slider Bar	Polycarbonate + Steel
3	Leather	PU	6	ECE Marking	Cloth
Description	FD-916 Retention System		Code No.:	FD-916-7	
Manufacturer:					
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

Type : FD-916

Date: 15.04.2022

Manufacture

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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-916 Retention System		Code No.:	FD-916-7	
Manufacturer:	W				
Drawn by:	YE YOUHUI	Checked by:	YE YOUSUI	Approved by:	YE YOUSUI
Date:	25.05.2021	Date:	25.05.2021	Date:	25.05.2021

: FD-916
Manufacture :

Date: 15.04.2022

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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.

Attention

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

INFORMATION DOCUMENT

Type : FD-916

Manufacture : V



W/2



EXTENSION
UNECE n°22 Series 06

Job Number	[XSA004418]		
	Code:		
	Date:	24/02/2023	
Manufacturer	Name:		
Representative	[it does not apply]		
Sample	Helmet model:	FD-916	
	Approval n°:	E11*22R06/02*0772*02	
	Stickers from n°:	n/a	to n°: n/a Batch n°: n/a
	Arrival date:	20/02/2023	Testing date: 23/02/2023
Test Site	[OMEGA CHINA]		

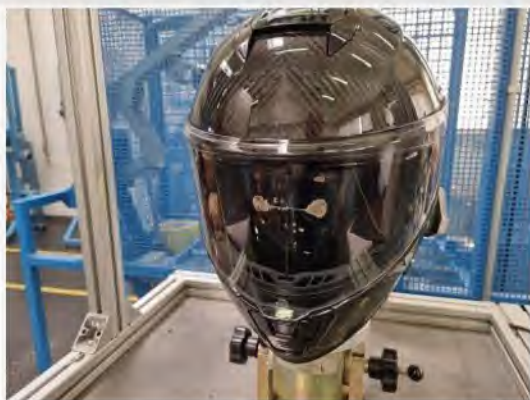
Essential Technical Data

SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59-60cm XL 61-62cm XXL 63-64cm]	
SHELL MATERIAL	[Composite]	
WEIGHT	[gr XS-M 1450 ± 50, L-XXL 1500 ± 50]	
RETENTION SYSTEM	[Ratchet buckle, DD-ring]	
REFLECTIVE BANDS	No	
ENVIRONMENTAL CONDITIONS	Temperature [°C]	[21]

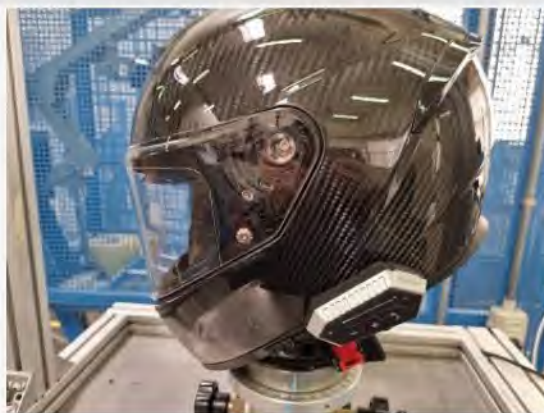
Used Machine	Identifier /Manufacturer	Expiry Date
Projections & Surface friction	M0114(AD Engineering)	15/11/2023

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

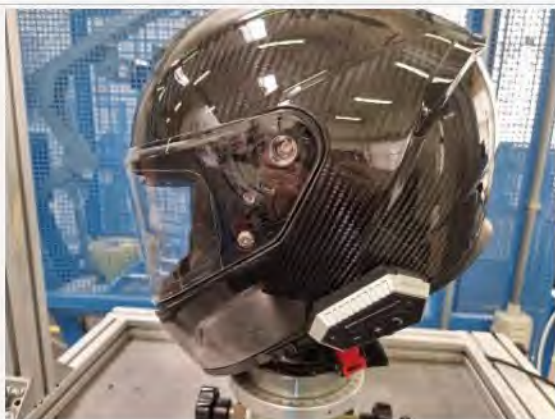
HELMET IMAGES



Front



Side 1



Side 2



Rear

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	



Job Number: **[XSA004418]**

M81 rev.0 11112020

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ITALY: Strada Comunale Savonesa n.9 / 15057 Tortona (AL) / Italy / Tel. 0039-0131-860220 / VAT 01828300069

CHINA: Room 103, No.455-3, Second Ring South Road | Tong'an District, Xiamen, Fujian, 361100 | China

3/4-Mar-23

SPECIFICATION

H.F. Size	[54 to 62]
Impact point	B / P / X / R / S Extra Point
Anvil	Kerbstone / Flat
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

TEST FOR PROJECTION AND SURFACE FRICTION METHOD B

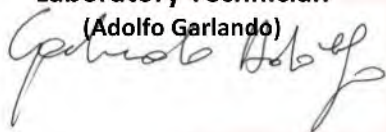
Ref. 7.4.2

Sticker n°	Helmet Internal Id	Tested Point	Result	
			Pass	Fail
-	23-0704	Top (Surface)	X	-
-	23-0704	Air vent rear (Friction)	X	-

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM.

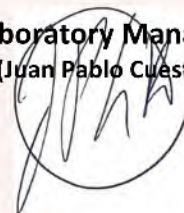
Laboratory Technician

(Adolfo Garlando)



Laboratory Manager

(Juan Pablo Cuesta)



END OF REPORT

Job Number: **[XSA004418]**



M81 rev.0 11112020



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4/4 -Mar-23

