



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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~~APPROVAL REFUSED~~ ⁽¹⁾ / ~~APPROVAL WITHDRAWN~~ ⁽¹⁾ / ~~PRODUCTION DEFINITELY~~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



Approval No: E11*22R06/03*1067*02

Reason(s) for extension:

- 1) Addition of commercial names
- 2) Addition of visor
- 3) Modification of Drawing of the visor
- 4) Update of amended status of regulation to supplement 03

1. Trade mark: SENA
2. Type: PHANTOM
3. Sizes: XXL, XL, L, M, S
4. Manufacturer's name: SENA Technologies Co., Ltd.
5. Address:
19, Heolleung-ro 569-gil
Gangnam-gu, Seoul
Republic of Korea
6. If applicable, name of manufacturer's representative: SENA Europe GmbH
7. Address:
Paul-Henri-Spaak-Str. 22,
51069 Koln
Germany
8. Brief description of helmet: See manufacturer's documentation
VCA029318-1

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)~~⁽¹⁾
10. Type of visor or visors: SENA-FF-01 (E11 062006), SENA-FF-01 SMOKE (E11 062162)
11. Brief description of visor or visors and inner visor if any: See manufacturer's documentation
12. Helmet ready for specific accessory (SA) / ~~ready for universal accessories (UA)~~⁽¹⁾
13. Accessories included in the helmet homologation and functionality: SP149 /Bluetooth system
14. ~~If UA helmet, speakers (S or S45) / Microphone (M) / Front mounting (F) / Side mounting (L), Rear mounting (R)~~⁽¹⁾: Not applicable
- 14.1. ~~If S40 or S45, speaker dummy used for the homologation test deformable / rigid~~⁽¹⁾: Not applicable
15. Submitted for approval on: As before (14 March 2024, 5 August 2024)
16. Technical service responsible for conducting approval tests: Vehicle Certification Agency
17. Date of report issued by that service: As before (15 March 2024, 6 August 2024)
18. Number of report issued by that service: As before (KSB625781(1067/P), KSC631198 (1067/P ext.01))
19. Comments: None
20. Approval ~~GRANTED~~ / EXTENDED / ~~REFUSED~~ / ~~WITHDRAWN~~⁽¹⁾
21. Place: BRISTOL
22. Date: 02 September 2025

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



Vehicle
Certification
Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/03*1067*02

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 00

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method COP Audit


Date of Initial Clearance August 2023

Date of Last Clearance August 2024

Total number of sheets: 25 (Twenty-five)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

	Protective Helmets UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

Protective Helmets

UN Regulation 22.06

Type : PHANTOM

Request for extension to:

- E11*22R06/02*1067*01

Reason(s) for extension:

- Addition of commercial names
- Addition of visor
- Modification of Drawing of the visor
- Update of amended status of regulation to supplement 03

Total number of sheets : 25 (Twenty-five)



SENA	Protective Helmets <i>UN Regulation 22.06</i>	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

0. GENERAL

0.1. Make (trade name of manufacturer)

: SENA

0.2. Type

: PHANTOM

0.2.1. Commercial name(s) (if available)

: PHANTOM, PHANTOM ANC, PHANTOM CAM,
PHANTOM PRO, **PHANTOM EXTREME BASS,**
PHANTOM XB, PHANTOM CAMERA

0.2.2. Variant(s) / Version(s) (if available)

Variant	Commercial name
PHANTOM PRO	PHANTOM PRO
PHANTOM	PHANTOM, PHANTOM ANC, PHANTOM CAM PHANTOM EXTREME BASS, PHANTOM XB, PHANTOM CAMERA

0.3. Location of E-mark

: On the label sewn to the retention system

0.4. Company name and address of manufacturer

: SENA Technologies Co., Ltd.
19, Heolleung-ro 569-gil, Gangnam-gu, Seoul
Republic of Korea

0.5. Name(s) and address(es) of assembly plant(s)

: Qingyuan SENA Smart Helmets, LLC.
Plant No.61, Hongrugu Science and Technology
Industrial Park, No.21, 253 Provincial Road
Longtang Town, Qingcheng District, Qingyuan City
Guangdong Province
China

0.6. Name and address of the manufacturer's representative (if any)

: SENA Europe GmbH
Paul-Henri-Spaak-Str. 22, 51069 Koln
Germany

0.7. Number of visor types which can be fitted

: **2**

SENA	Protective Helmets <i>UN Regulation 22.06</i>	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

1. DISRIPTION OF THE HELMET

- 1.1. Style of helmet : Full face
- 1.2. Category of helmet : "P" with protective lower face cover
- 1.3. Sizes
- Large Shell : XXL (63-64), XL (61-62)
- Medium Shell : L (59-60),
- Small Shell : M (57-58), S (55-56)
- 1.4. Weight

PHANTOM PRO

SIZE	XXL	XL	L	M	S
WEIGHT	1700g±50		1650g±50	1600g±50	

PHANTOM

SIZE	XXL	XL	L	M	S
WEIGHT	1750g±50		1700g±50	1650g±50	

- 1.5. Helmet ready for : Specific Accessory (SA)
- 1.6. Helmet prepared for (if UA helmet)
- : NA

2. SHELL

- 2.1. Material : Fiberglass Composite
- 2.2. Composition of the border joint on the shell
- : PVC Gasket
- 2.3. Ventilation system
- 2.3.1. Number of ventilations : 3
- 2.3.2. Positioning on the shell : Front of Crown (Crown), Rear of Crown, Chin guard (Center)

3. RETENTION SYSTEM

- 3.1. Chin strap
- 3.1.1. Material : Nylon webbing
- 3.1.2. Width : 24mm
- 3.2. Comfort padding of retention system
- : Polyester
- 3.3. Strap retainer : Double D ring
- 3.4. Anchorages : Secured to shell by means of a single rivet to each side of helmet shell

SENA	Protective Helmets <i>UN Regulation 22.06</i>	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

4. PROTECTIVE PADDING

4.1. Composition

	S-M Density (g/cm ³)	L Density (g/cm ³)	XL-XXL Density (g/cm ³)
TOP	22±5	22±5	22±5
HEAD	33±5	33±5	33±5
Chin	55±5	55±5	55±5
Mouth	55±5	55±5	55±5

5. COMFORT PADDING

5.1. Composition and material

Comfort padding	: Sponge
Comfort tissue	: Polyester
Neck curtain	: Polyurethane

6. VISOR

6.1. Make (trade name of manufacturer)

: SENA

6.2. Type

: SENA-FF-01, **SENA-FF-01 SMOKE**

6.3. Means of identification of visor type

: E11 06XXXX-XXXXXXX

6.4. The approval number of visor

: **SENA-FF-01** : E11 062006-XXXXXXX

SENA-FF-01 SMOKE : E11 062162-XXXXXXX

6.5. Company name and address of manufacturer

: SENA Technologies Co., Ltd.
19, Heolleung-ro 569-gil, Gangnam-gu, Seoul,
Republic of Korea

6.6. Material

: Polycarbonate

6.7. Surface treatment

: Anti-scratch

6.8. Thickness

: 2.4mm

6.9. Colour

: **SENA-FF-01** : Clear

SENA-FF-01 SMOKE : SMOKE

6.10. Manufacturing method

: Injection moulding

6.11. Transmittance

: **SENA-FF-01** : ≥80%

SENA-FF-01 SMOKE : SMOKE, ≥35%

SENA	Protective Helmets	
	<i>UN Regulation 22.06</i>	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

7. SUN SHIELD

- 7.1. Make (trade name of manufacturer)
: SENA
- 7.2. Type
: SENA-IV-01
- 7.2.1. Commercial name(s) (if available)
: NA
- 7.3. Company name and address of manufacturer
: SENA Technologies Co., Ltd.
19, Heolleung-ro 569-gil, Gangnam-gu, Seoul,
Republic of Korea
- 7.4. Material
: Polycarbonate
- 7.5. Surface treatment
: Anti-scratch coating
- 7.6. Thickness
: 1.6mm
- 7.7. Colour
: Smoke
- 7.8. Manufacturing method
: Injection moulding
- 7.9. Transmittance
: ≥20%

8. SPECIFIC ACCESSORY

- 8.1. Make (trade name of manufacturer)
: SENA
- 8.2. Type
: SP149
- 8.3. ECE type-approval mark
: NA
- 8.4. Company name and address of manufacturer
: Shenzhen SENA Technologies, LLC.
4G, Quanzhi Science & Technology Bldg 4
HeBinNan-lu, Baoan-qu, Shenzhen
China
- 8.5. Material
: ABS
- 8.6. Weight
: 192g±5
- 8.7. Means of attachment
: Glued
- 8.8. Composition
: Speaker, Microphone, Bluetooth intercom,
Reading lamp

9. ADDITIONAL FEATURES

- 9.1. Detachable peak
: NA
- 9.1.1. Material
: NA
- 9.2. Information for wearers
: Placed in helmet retail box

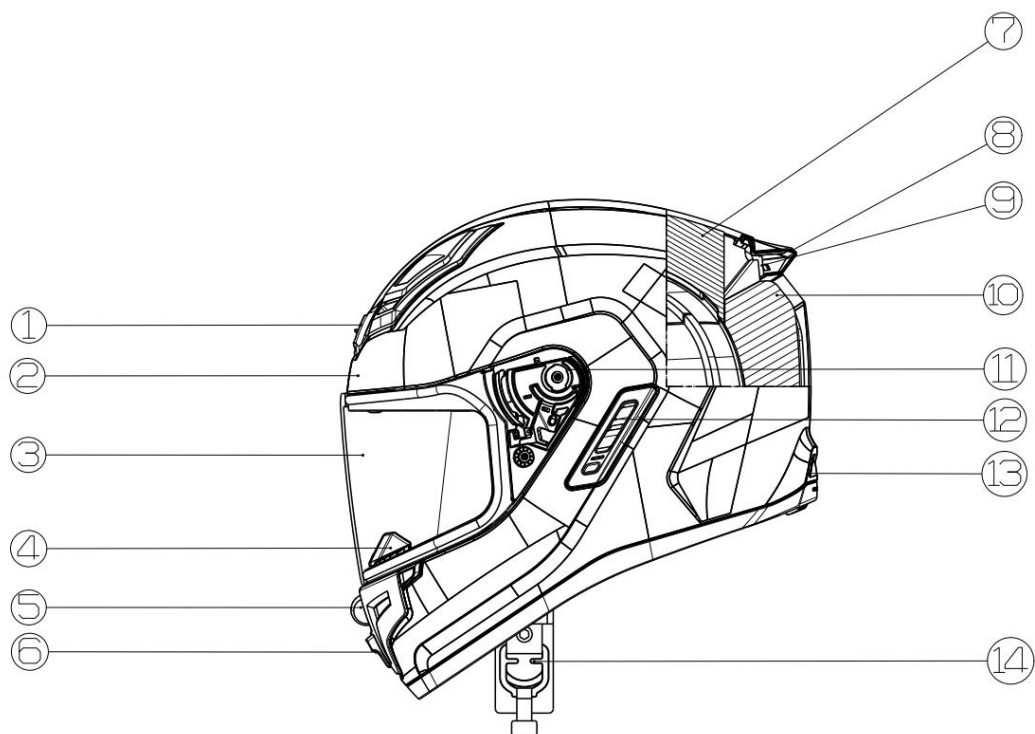
SENA	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

LIST OF DRAWINGS

Drawing No.	Descriptions	Page
PHANTOM/22R-01	General view of the helmet	2
PHANTOM/22R-02	Drawing of the shell (Large size)	2
PHANTOM/22R-03	Drawing of the shell (Medium size)	2
PHANTOM/22R-04	Drawing of the shell (Small size)	2
PHANTOM/22R-05	Drawing of the protective padding (Large size)	2
PHANTOM/22R-06	Drawing of the protective padding (Medium size)	2
PHANTOM/22R-07	Drawing of the protective padding (Small size)	2
PHANTOM/22R-08	Drawing of the retention system (Double D ring)	1
PHANTOM/22R-09	Drawing of the visor (SENA-FF-01)	1
PHANTOM/22R-10	Drawing of the visor (SENA-FF-01 SMOKE)	1
PHANTOM/22R-11	Drawing of the sun shield (SENA-IV-01)	1
PHANTOM/22R-12	Drawing of the Specific Accessory (SP149)	1

SENA	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

Drawing no.	PHANTOM/22R-01-01
Description	General view of the helmet (PHANTOM PRO)



14	CHINSTRAP L/R	—		1set	
13	SMART BODY MAIN	—		1set	
12	SMART UI UNIT L/R	—		1set	
11	RATCHET	PC & POM		1set	
10	HEAD EPS	EPS		1	
9	TAIL LIGHT L/R	—		1set	
8	SPOILER VENT	PC/ABS		1	
7	TOP EPS	EPS		1	
6	MOUTH VENT	PC/ABS, POM		1set	
5	FLASH LIGHT	—		1set	
4	NOSEGUARD	TPU		1	
3	VISOR	PC		1	
2	SHELL	FRP		1	
1	TOP VENT	PC/ABS, POM		1set	
NO	PART NAME	MATERIAL	PART NO.	Q'TY	REMARKS

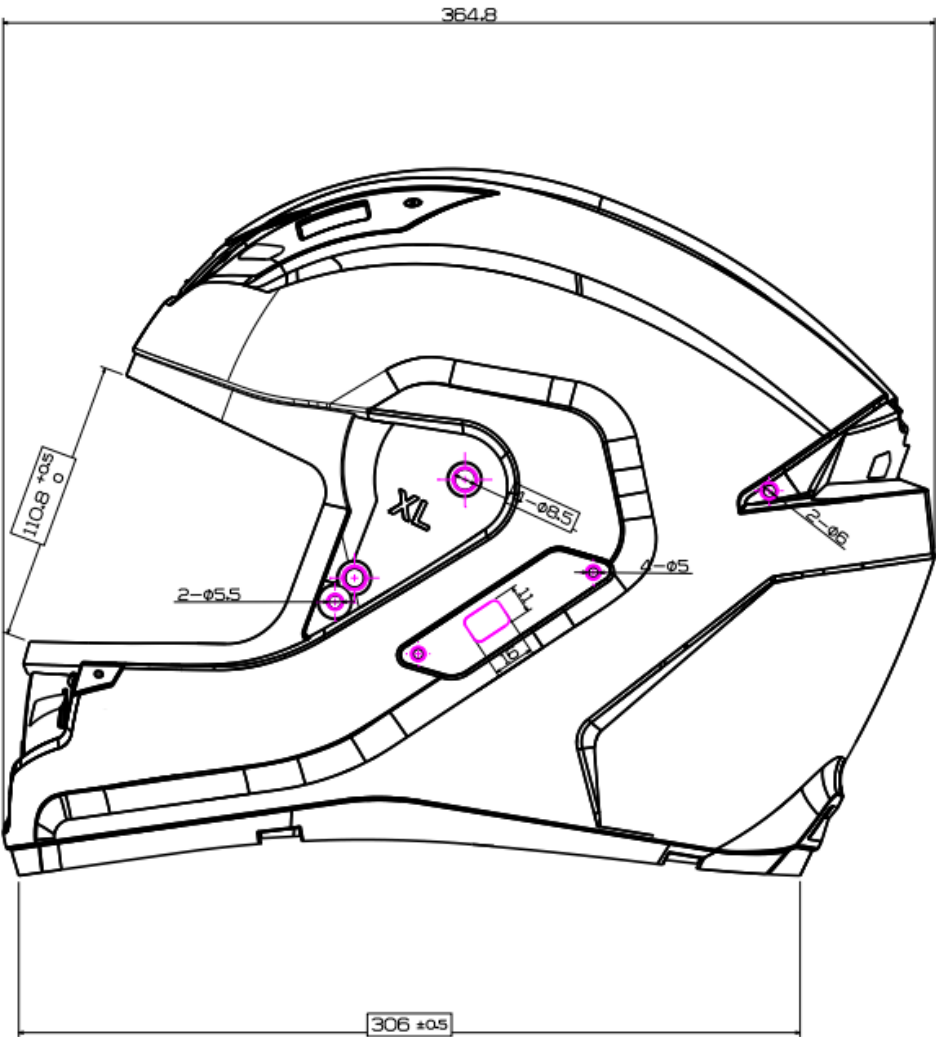
<div>SENA</div>	Protective Helmets UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1


Drawing no.	PHANTOM/22R-01-02
Description	General view of the helmet (PHANTOM)

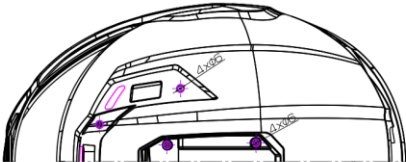
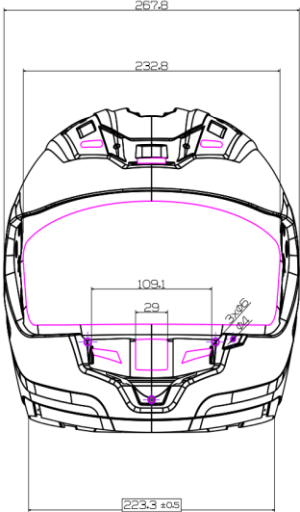
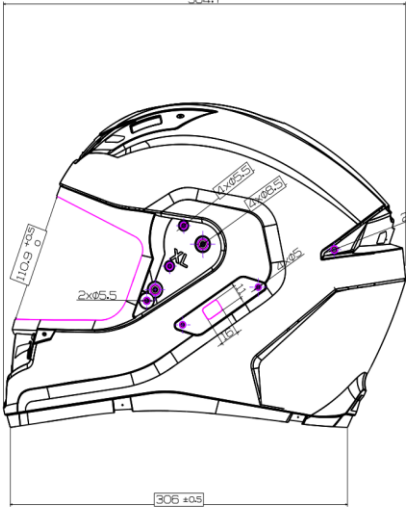
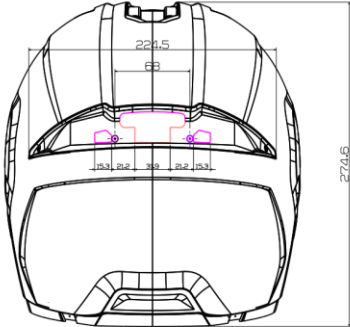
15	SUNSHIELD LEVER	PC/ABS		1SET	
14	CHINSTRAP L/R	—		1set	
13	SMART BODY MAIN	—		1set	
12	SMART UI UNIT L/R	—		1set	
11	RATCHET	PC & POM		1set	
10	HEAD EPS	EPS		1	
9	TAIL LIGHT L/R	—		1set	
8	SPOILER VENT	PC/ABS		1	
7	TOP EPS	EPS		1	
6	MOUTH VENT	PC/ABS, POM		1set	
5	FLASH LIGHT	—		1set	
4	NOSEGUARD	TPU		1	
3	VISOR	PC		1	
2	SHELL	FRP		1	
1	TOP VENT	PC/ABS, POM		1set	
NO	PART NAME	MATERIAL	PART NO.	Q'TY	REMARKS


<div> <div>SENA</div> </div>	Protective Helmets UN Regulation 22.06
	Type : PHANTOM
	Document No. : PHANTOM_22R_02
	Date : 08 August 2025
	Type-approval No. : E11*22R06/03*1067*02
	Job No. : VCA029318-1

Drawing no.	PHANTOM/22R-02-01
Description	Drawing of the shell (Large size) (PHANTOM PRO)

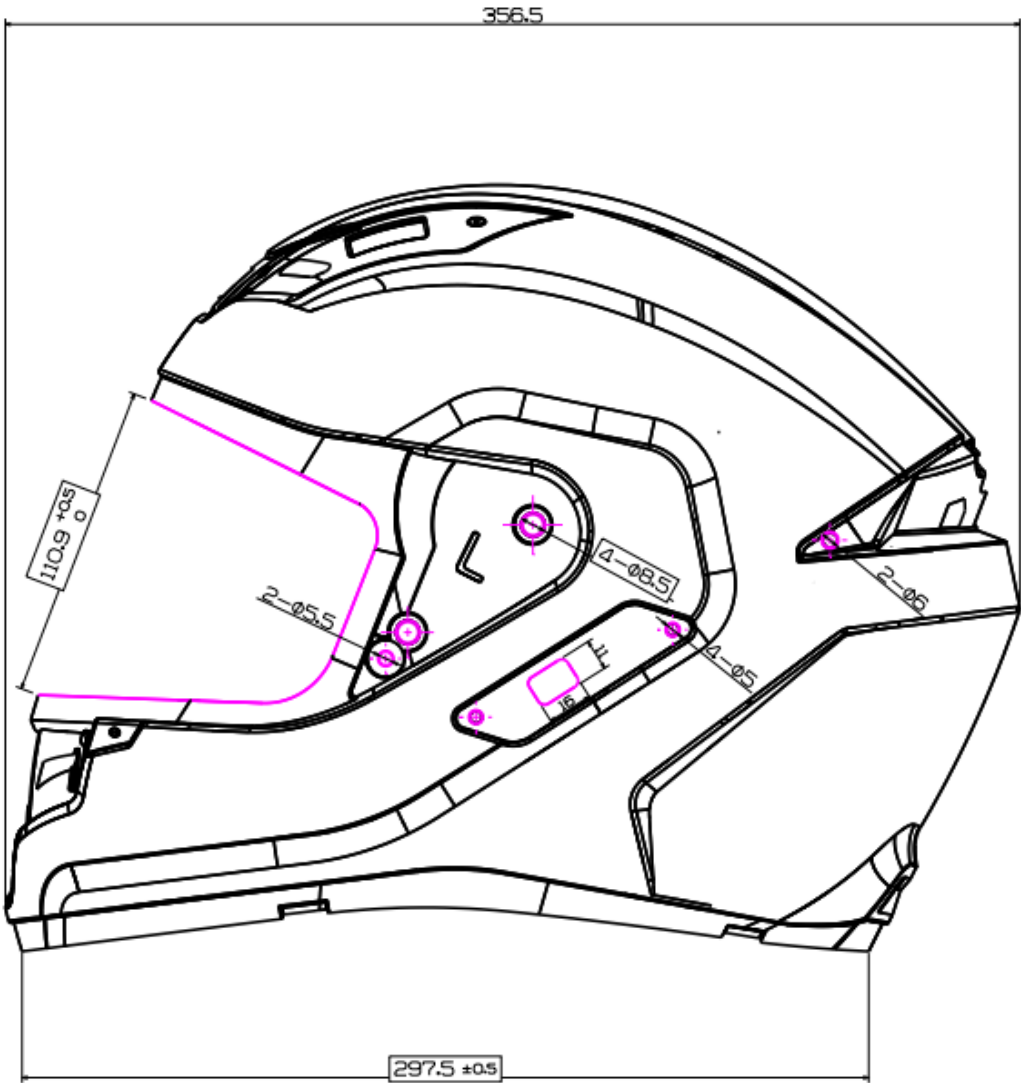



	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

Drawing no.	PHANTOM/22R-02-02
Description	Drawing of the shell (Large size) (PHANTOM)
<div> <div>  </div> <div> <div>  </div> <div>  </div> <div>  </div> <div> <p>NOTE</p> <ol style="list-style-type: none"> 1. □ 는 측정관리 치수임. 2. 사상은 금형마킹을 기준으로 할 것. 3. 미지정 치수는 3D data를 참고 할 것. </div> </div> </div>	

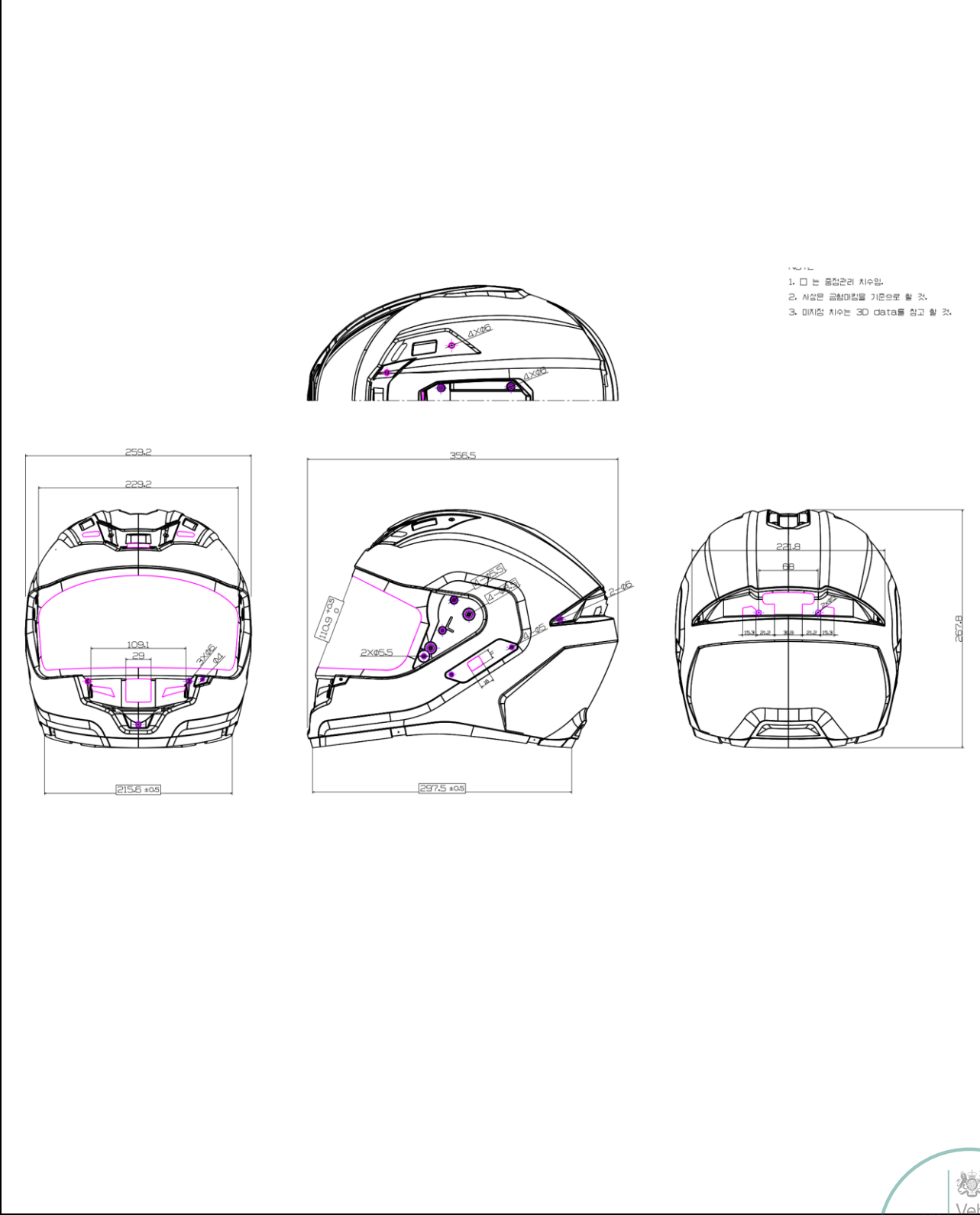
	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1


Drawing no.	PHANTOM/22R-03-01
Description	Drawing of the shell (Medium size) (PHANTOM PRO)



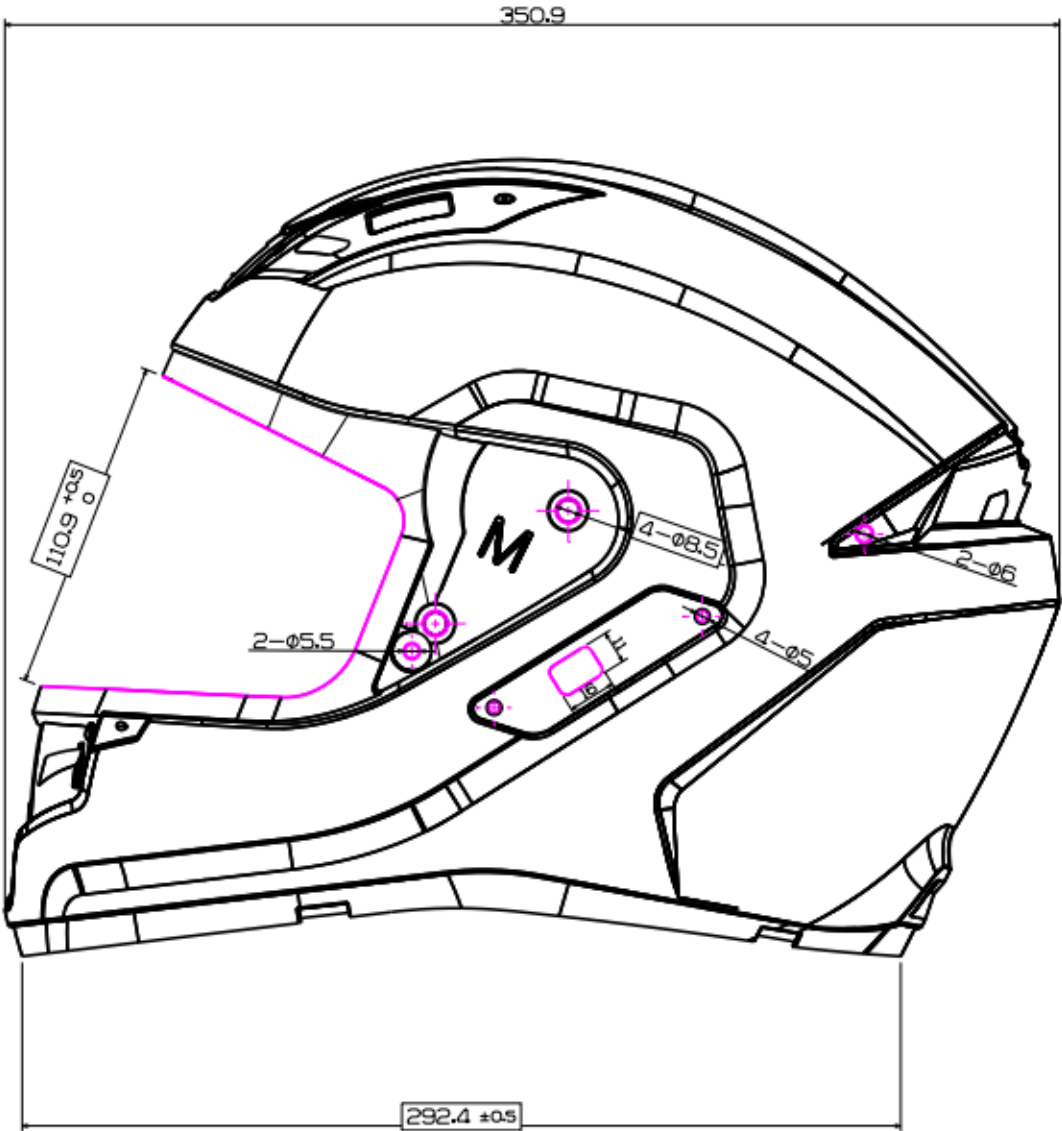
	Protective Helmets UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1


Drawing no.	PHANTOM/22R-03-02
Description	Drawing of the shell (Medium size) (PHANTOM)



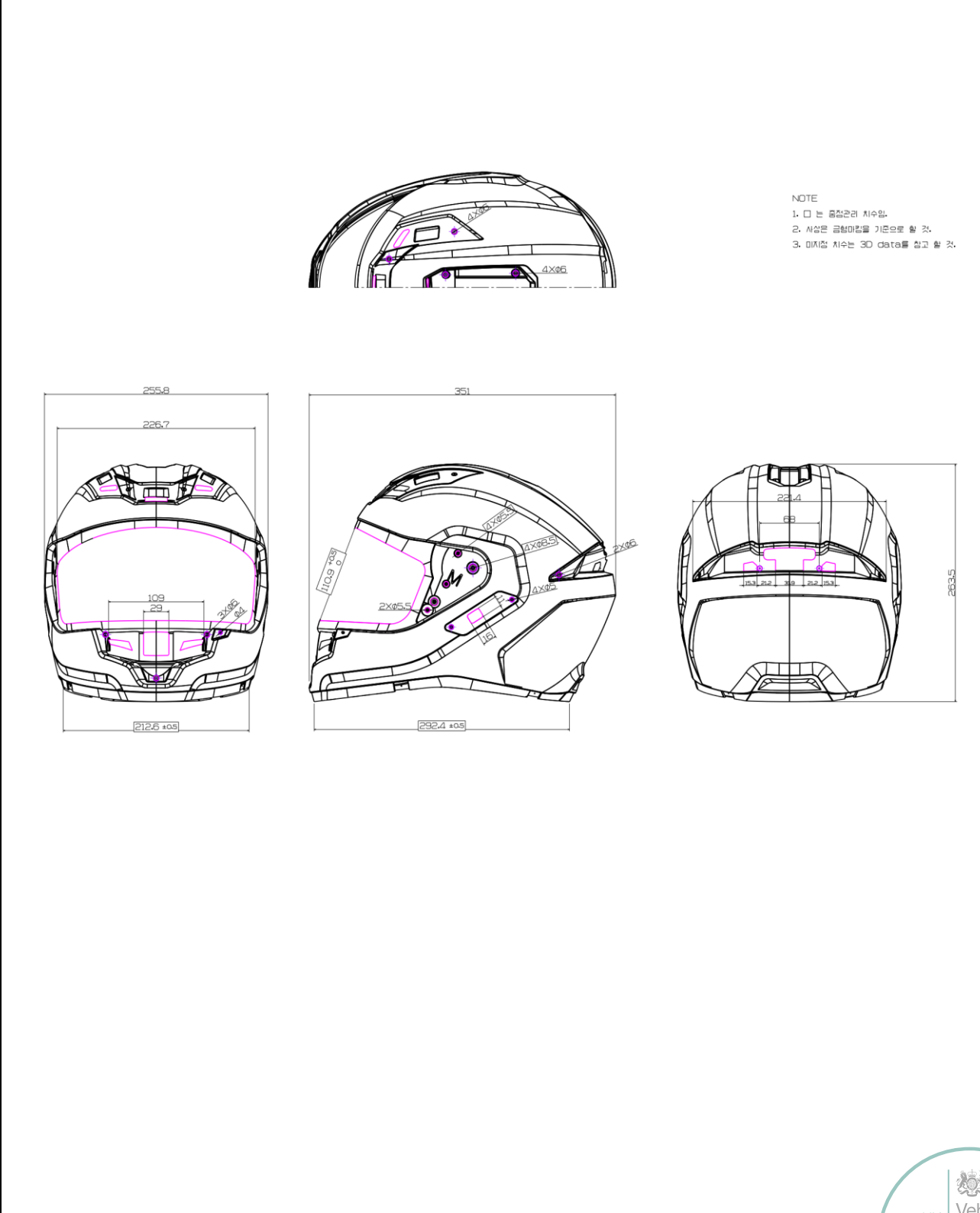
	Protective Helmets UN Regulation 22.06
	Type : PHANTOM
	Document No. : PHANTOM_22R_02
	Date : 08 August 2025
	Type-approval No. : E11*22R06/03*1067*02
	Job No. : VCA029318-1

Drawing no.	PHANTOM/22R-04-01
Description	Drawing of the shell (Small size) (PHANTOM PRO)



	Protective Helmets UN Regulation 22.06
	Type : PHANTOM
	Document No. : PHANTOM_22R_02
	Date : 08 August 2025
	Type-approval No. : E11*22R06/03*1067*02
	Job No. : VCA029318-1

Drawing no.	PHANTOM/22R-04-02
Description	Drawing of the shell (Small size) (PHANTOM)



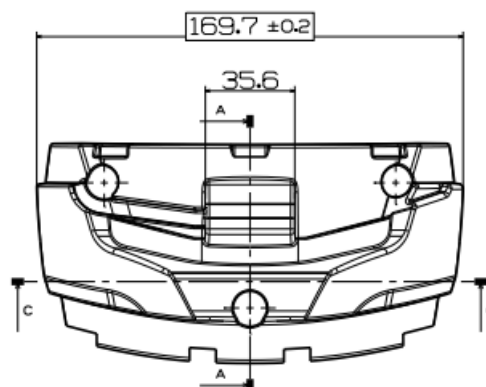
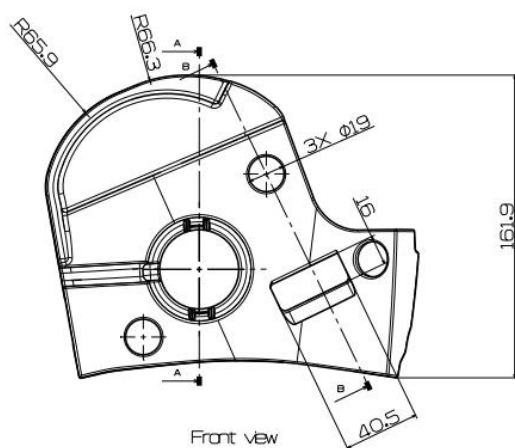
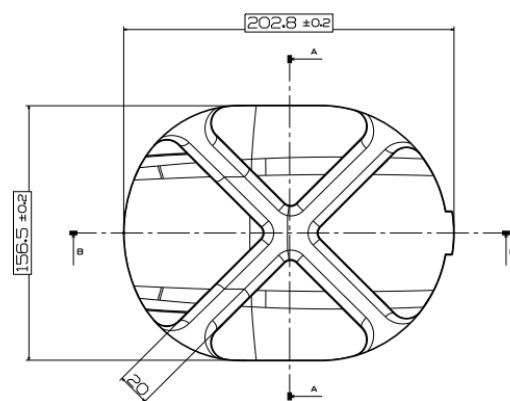
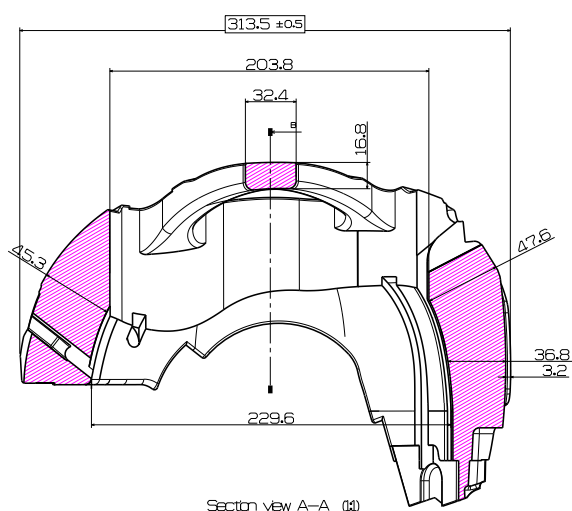
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-05-01

Description Drawing of the protective padding (Large size) (PHANTOM PRO)



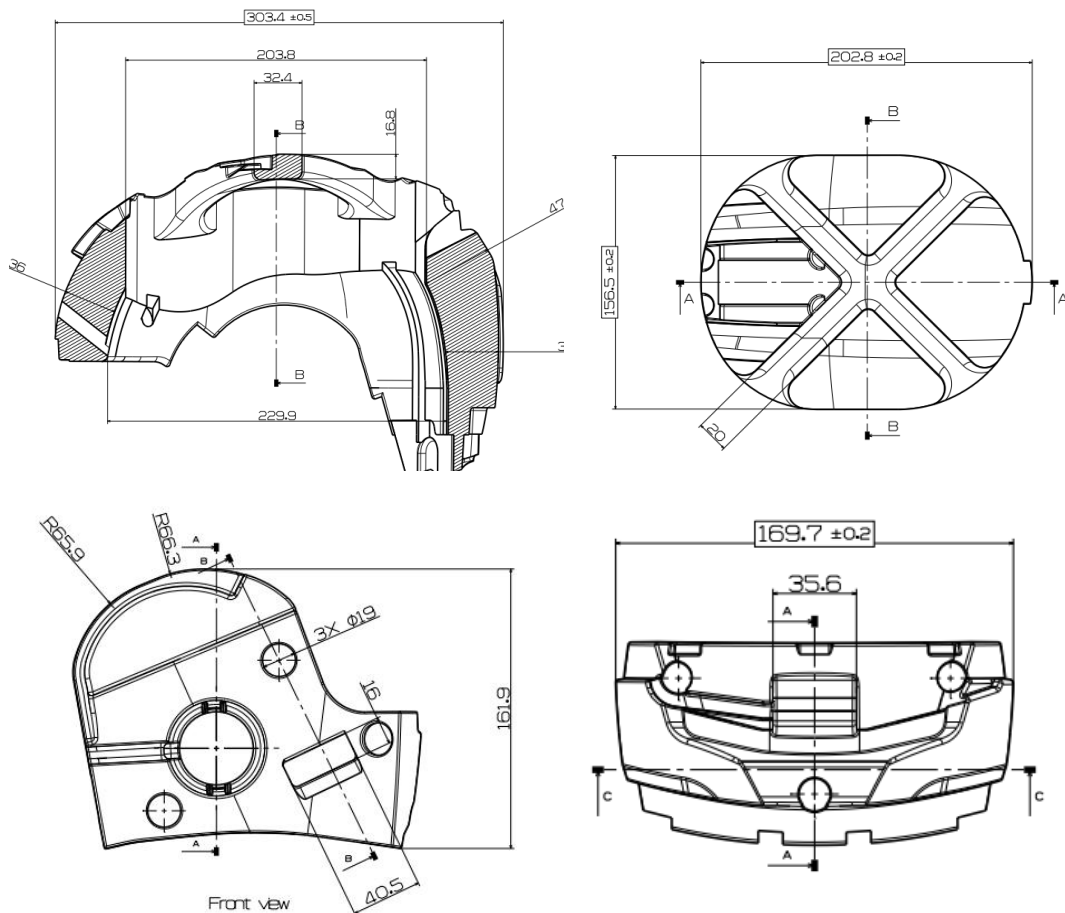
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-05-02

Description Drawing of the shell (Large size) (PHANTOM)



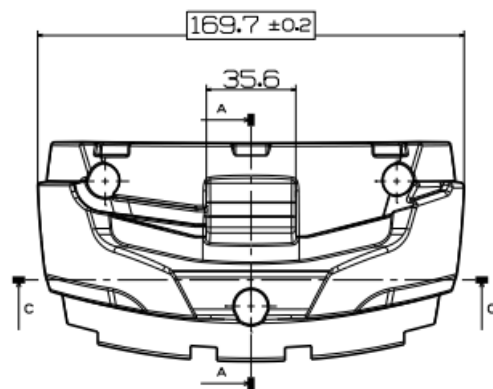
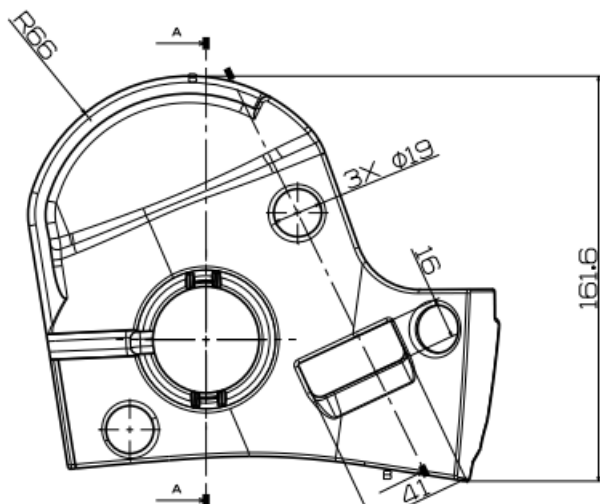
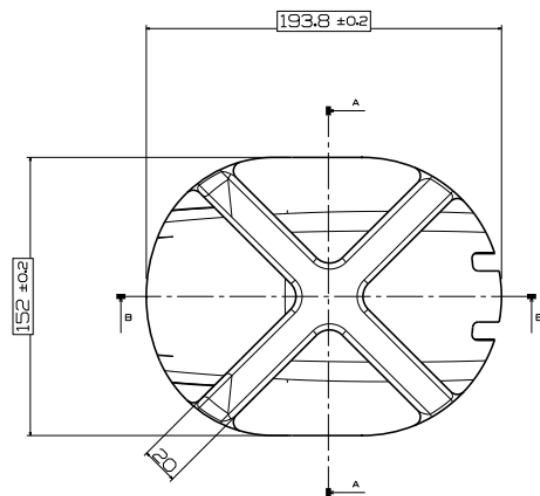
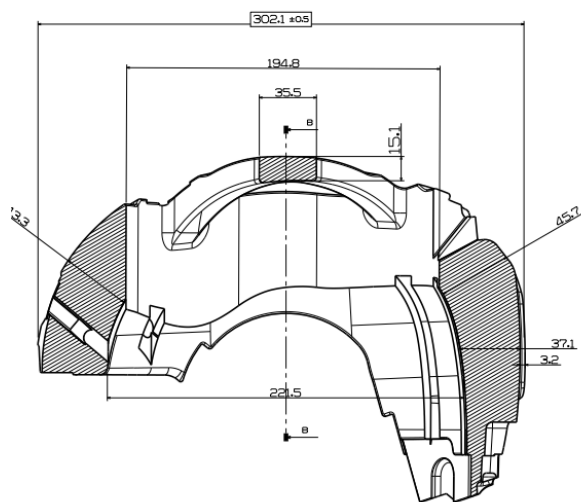
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-06-01

Description Drawing of the protective padding (Medium size) (PHANTOM PRO)



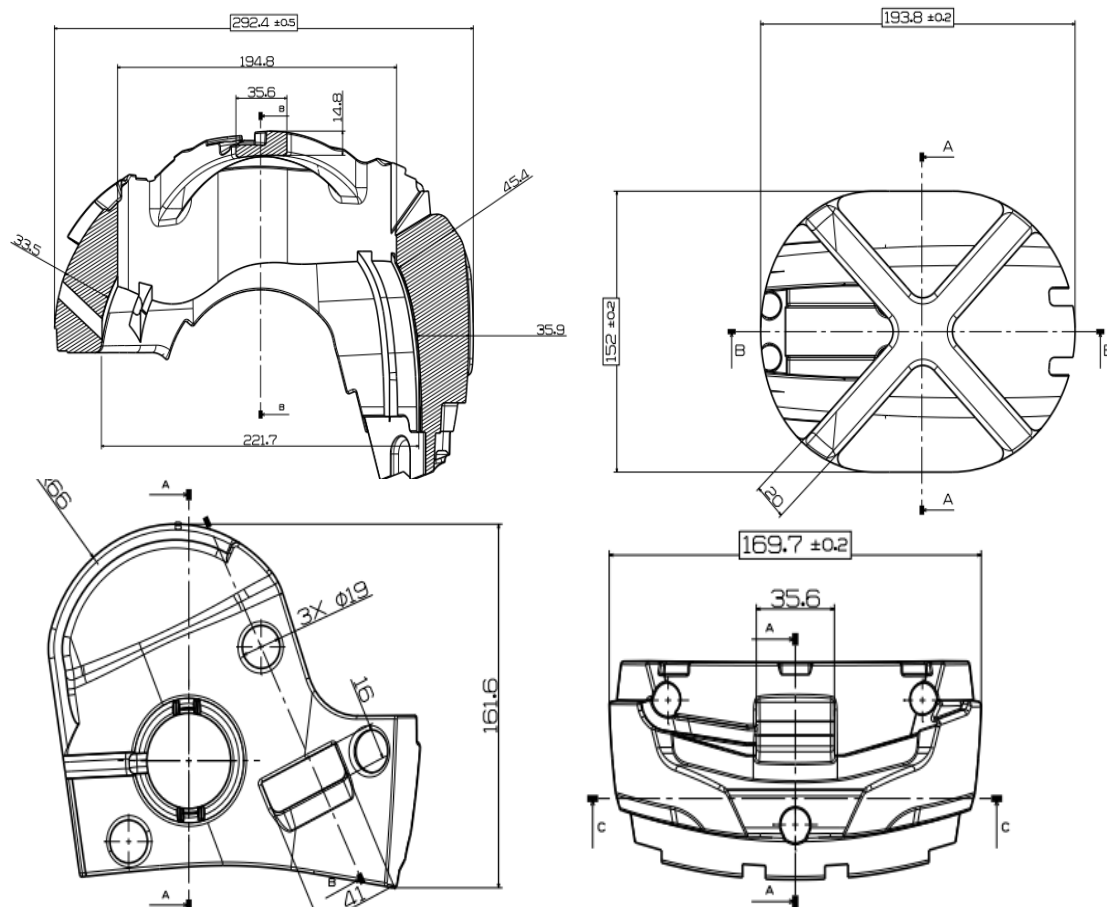
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-06-02

Description Drawing of the protective padding (Medium size) (PHANTOM)



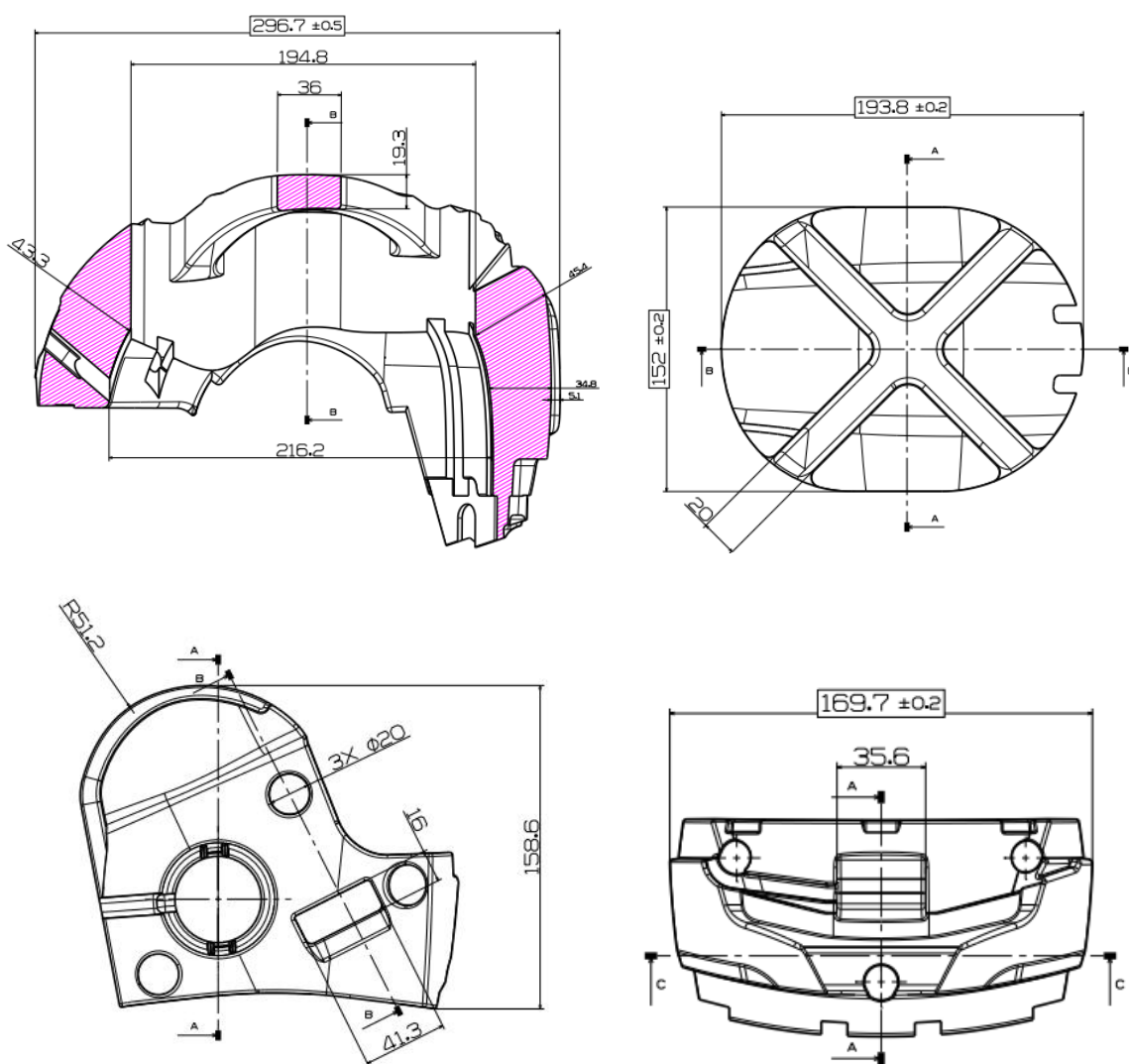
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-07-01

Description Drawing of the protective padding (Small size) (PHANTOM PRO)



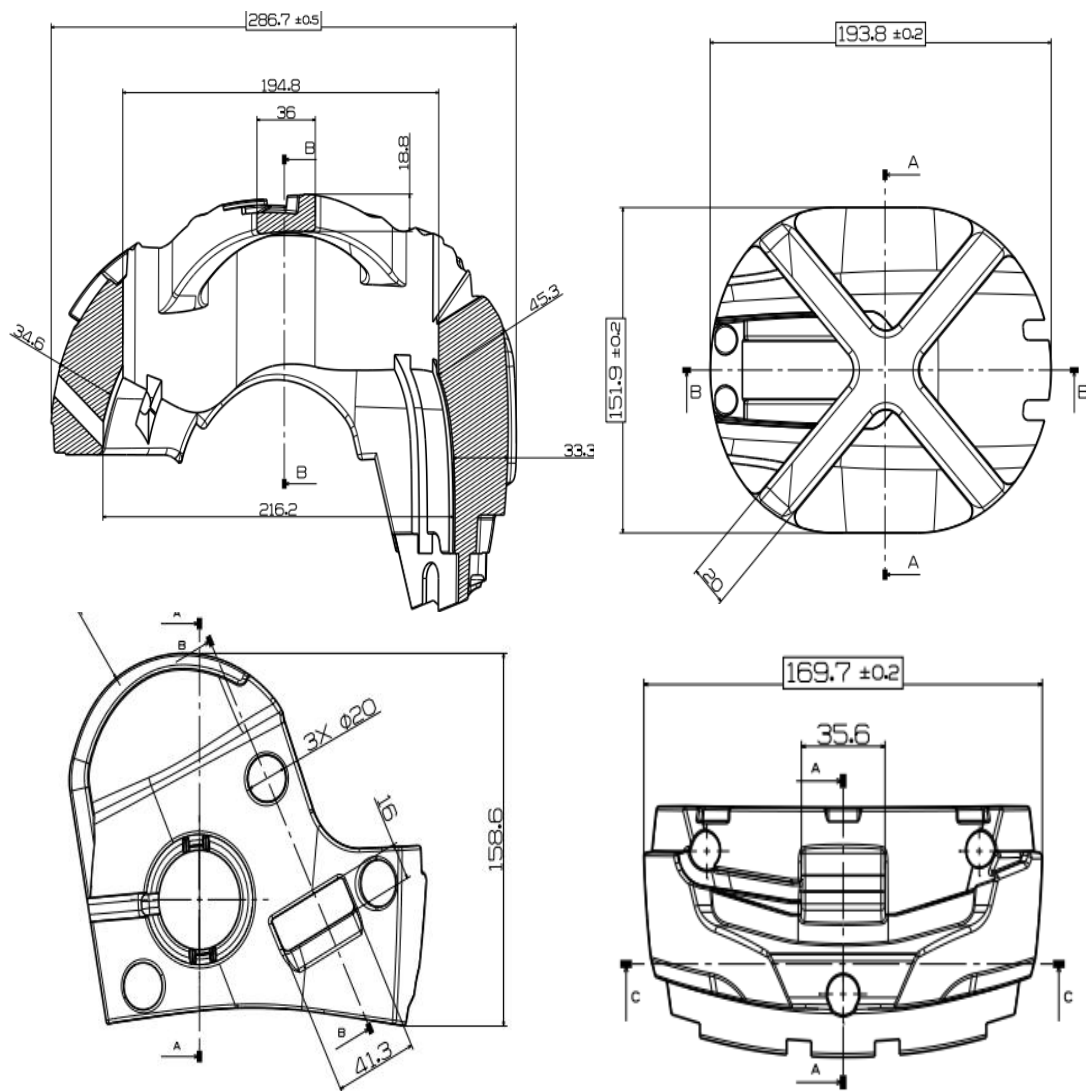
SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM/22R-07-02

Description Drawing of the protective padding (Small size) (PHANTOM)



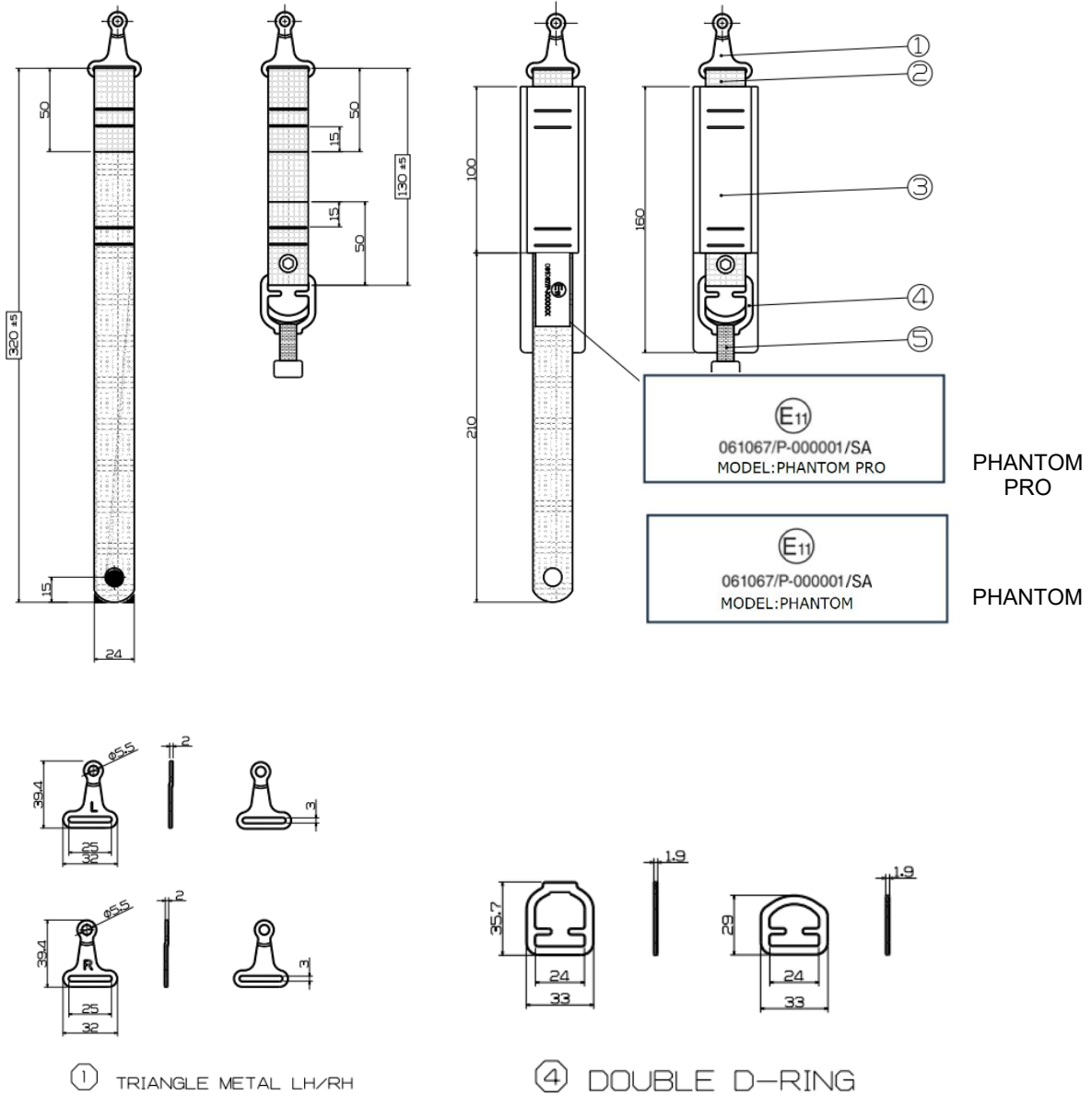
SENA


Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

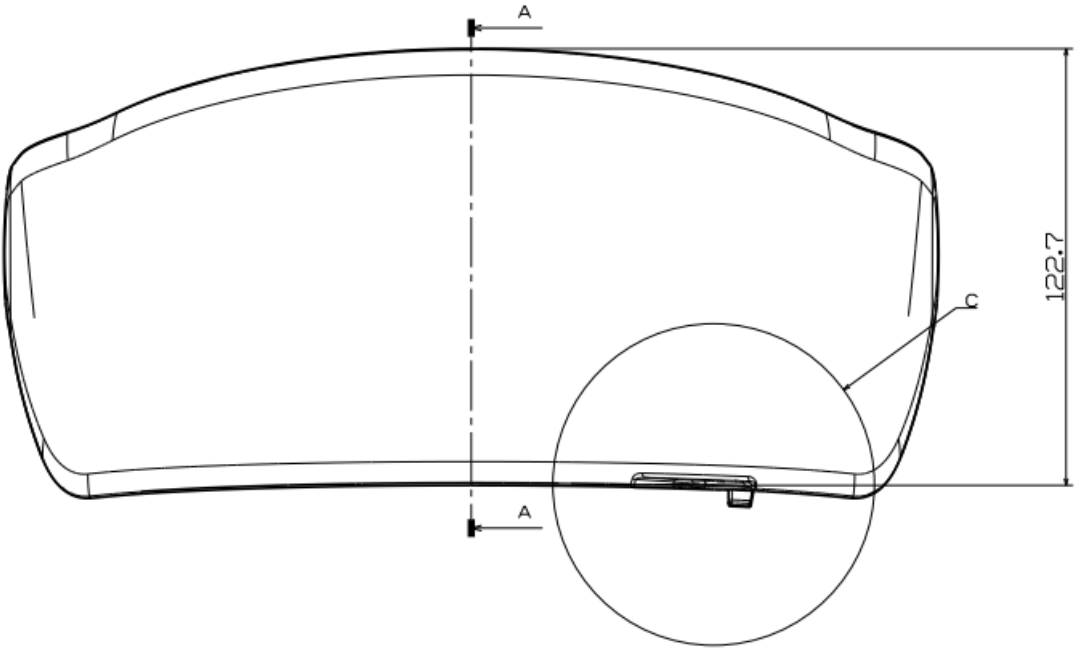
Drawing no. PHANTOM/22R-08

Description Drawing of the retention system (Double D ring)



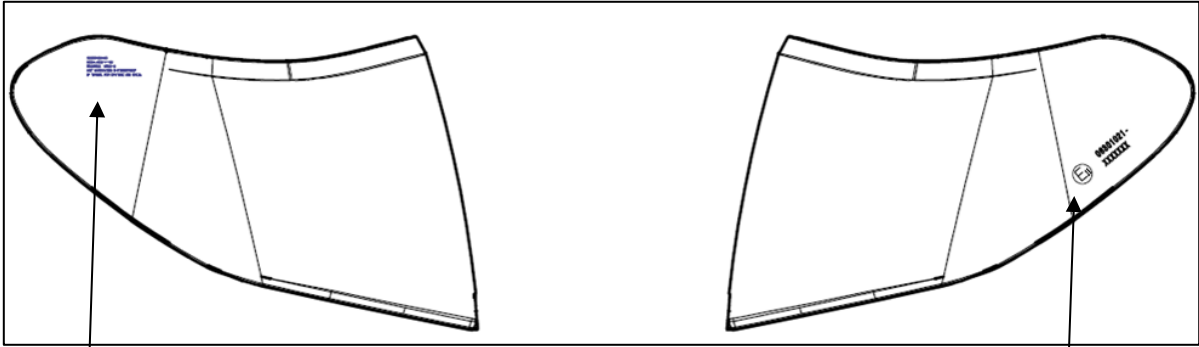
	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

Drawing no.	PHANTOM/22R-09
Description	Drawing of the visor (SENA-FF-01)




THICKNESS : 2.4mm

COLOR : CLEAR

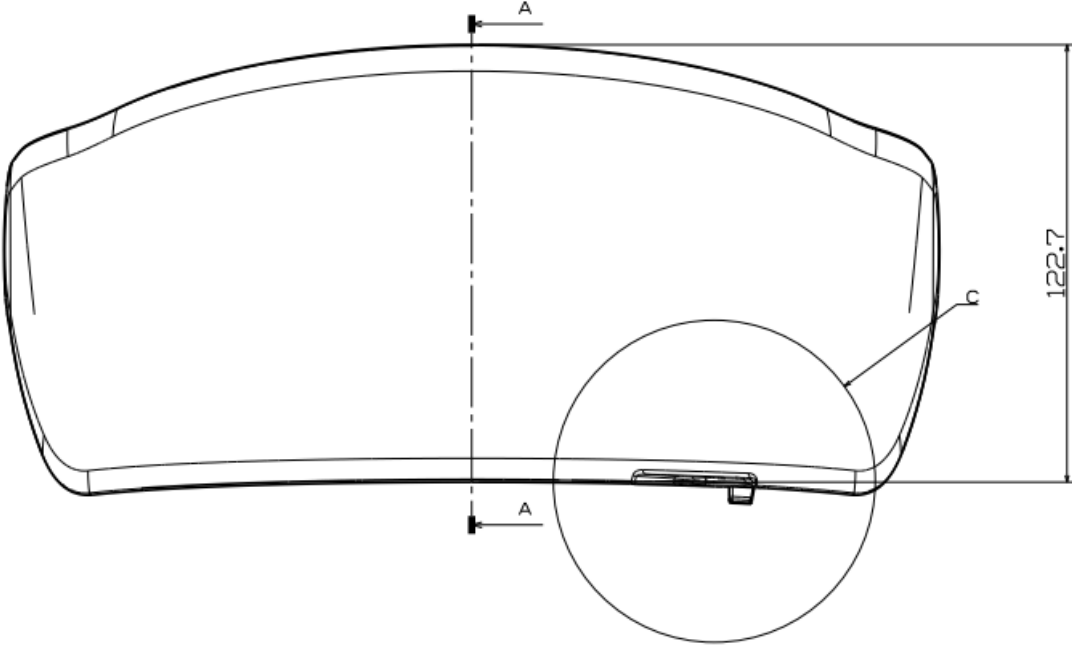


MODEL: SENA-FF-01
 EXCEEDS VESC-8
 NOT WARRANTED SHATTERPROOF
 IF TINTED DAYTIME USE ONLY

E11 062006-XXXXXXX

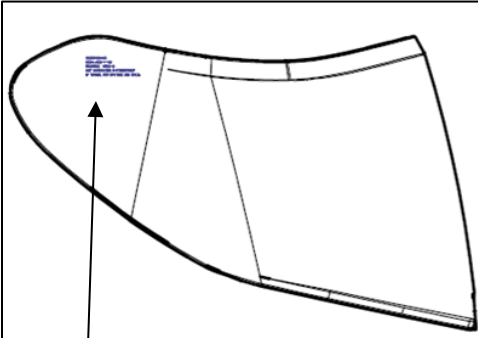
	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

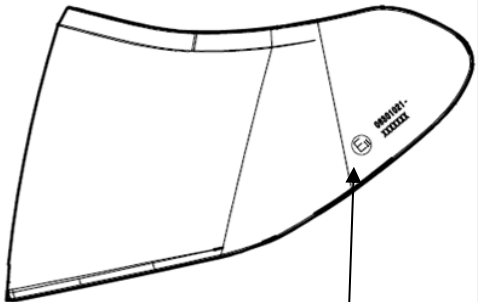
Drawing no.	PHANTOM/22R-10
Description	Drawing of the visor (SENA-FF-01 SMOKE)



THICKNESS : 2.4mm


COLOR : SMOKE




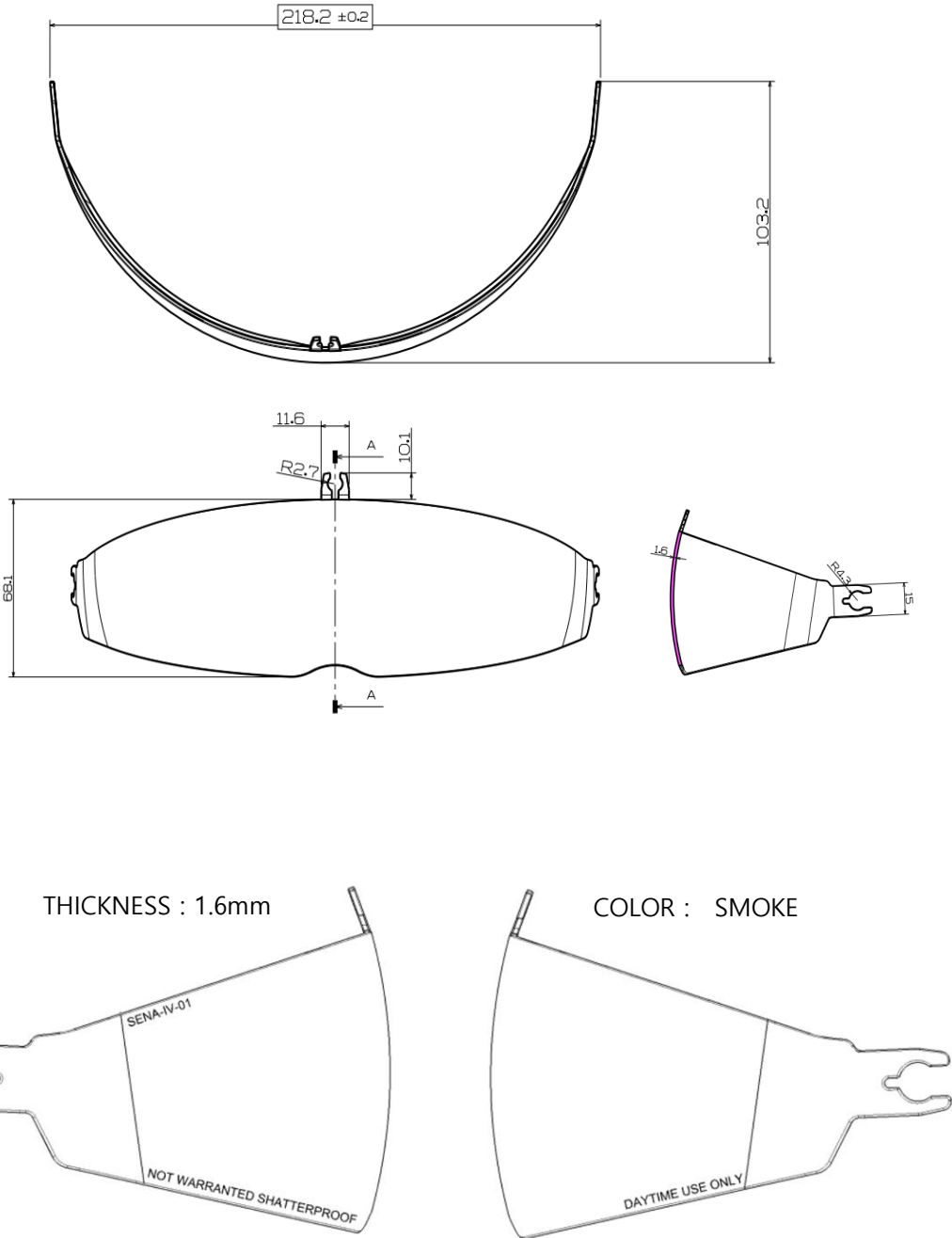


MODEL: SENA-FF-01
EXCEEDS VESC-8
NOT WARRANTED SHATTERPROOF
IF TINTED DAYTIME USE ONLY

E11 062162-XXXXXXX



	Protective Helmets	
	UN Regulation 22.06	
	Type	: PHANTOM
	Document No.	: PHANTOM_22R_02
	Date	: 08 August 2025
	Type-approval No.	: E11*22R06/03*1067*02
	Job No.	: VCA029318-1

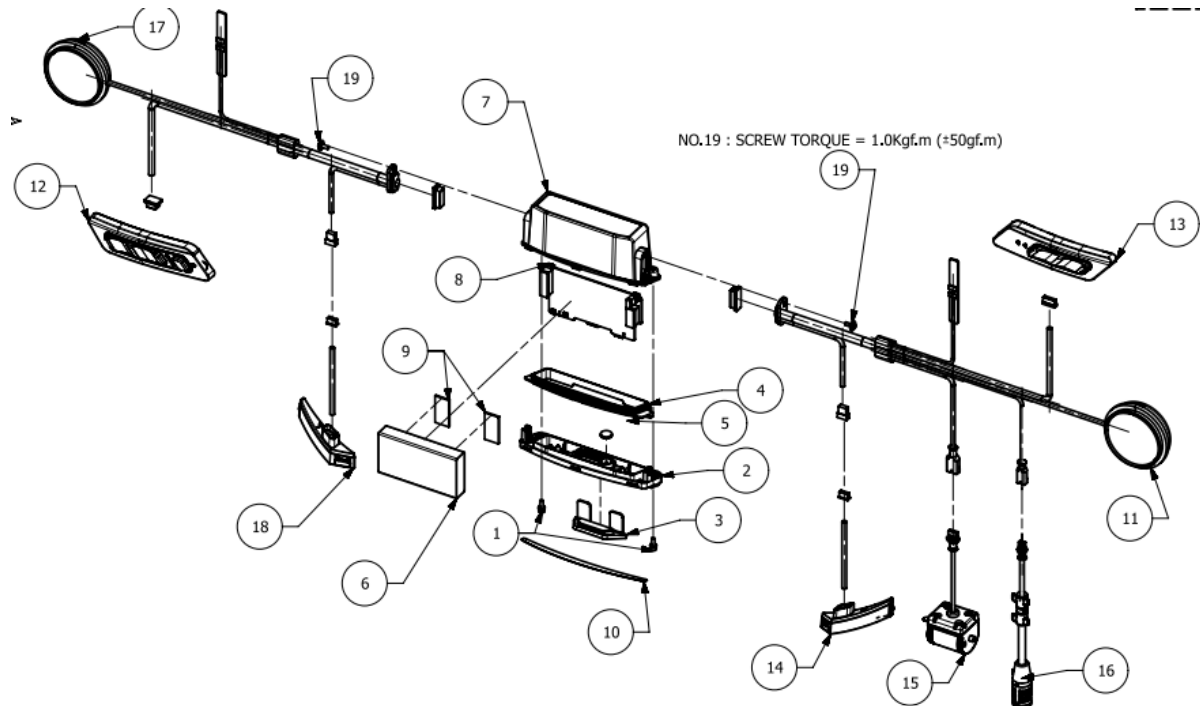
Drawing no.	PHANTOM/22R-11
Description	Drawing of the sun shield (SENA-IV-01)
<div>  </div>	

SENA

Protective Helmets
UN Regulation 22.06

Type : PHANTOM
Document No. : PHANTOM_22R_02
Date : 08 August 2025
Type-approval No. : E11*22R06/03*1067*02
Job No. : VCA029318-1

Drawing no. PHANTOM /22R-12
Description Drawing of the Specific Accessory (SP149)



PC NO	PART NAME	PART NAME	QTY
[ASSY]	SUB ASSY PHANTOM MAIN UNIT (BLACK)	SUB ASSY PHANTOM MAIN UNIT (WHITE)	[1]
1	SCREW-MC-M2-L6-OD3,8-H2	SCREW-MC-M2-L6-OD3,8-H2	2
2	MOLD-COVER-MAIN	MOLD-COVER-MAIN	1
3	RUBBER-CAP-USB	RUBBER-CAP-USB	1
4	RUBBER-PACKING-BODY-MAIN	RUBBER-PACKING-BODY-MAIN	1
5	TAPE-RESET-OD7X1T	TAPE-RESET-OD7X1T	1
6	103057-1700MAH	103057-1700MAH	1
7	MOLD-BODY-MAIN	MOLD-BODY-MAIN	1
8	SUB-ASSY-PCB-MAIN-ST_HELMET	SUB-ASSY-PCB-MAIN-ST_HELMET	1
9	TAPE-20X10X1T	TAPE-20X10X1T	2
10	LABEL-BD-PHANTOM	LABEL-BD-PHANTOM	1
11	SUB-ASSY-CABLE-MAIN-R	SUB-ASSY-CABLE-MAIN-R	1
12	SUB-ASSY-UI-UNIT-L	SUB-ASSY-UI-UNIT-L	1
13	SUB-ASSY-UI-UNIT-R	SUB-ASSY-UI-UNIT-R	1
14	SUB ASSY TAILLIGHT UNIT R	SUB ASSY TAILLIGHT UNIT R	1
15	SUM-ASSY READING LAMP	SUM-ASSY-FLASHLIGHT-UNIT	1
16	SUB-ASSY-WIRED-BOOM-MIC-HARMAN	SUB-ASSY-WIRED-BOOM-MIC-HARMAN	1
17	SUB-ASSY-CABLE-MAIN-L	SUB-ASSY-CABLE-MAIN-L	1
18	SUB ASSY TAILLIGHT UNIT L	SUB ASSY TAILLIGHT UNIT L	1
19	SCREW-TAPPING-M2-L5-PW-OD6-T1_5	SCREW-TAPPING-M2-L5-PW-OD6-T1_5	2