Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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

E11 Approval No: E11*22R06/01*0896*00

Reason(s) for Extension: Not applicable

1. Trade mark FASEED, GIVI, KAPPA, HEVIK, AGRIUS, BLACK, SHOX, CKX, VOSS, ZOX, CGM, C6M, CMS, VITO, ALL-ONE, BULLIT, UFO, UFO PLAST ITALY SRL, MARKO, KORDA, TUCANO, TUCANO URBANO, DIEFFE, ILM, MAC, MOTOCUBO, AL, ASTONE, PANTHERA, ATOMIC, CASSIDA, COURSE, CRN, HEY, IXS, KHI, KOMINE, MTR, NERVE, NEXO, O'NEAL, PREMIER, P.R.M SRL, RXT, RYO, EVO, RYZEN, SLINE, SWAP'S, EIGHT, SQ, MARUSHIN, SWAY, TECHX2, XRC, BOGOTTO, DEXTER, PROV, AMOQ, TURN ONE, ARC, AREX, BIHR, CAFE RACER, DUCHINNI, FSD, FTR, GERMOT, GPR, GT, HAWK MOTO, HBX, HEVO, HYP HELMETS, HYPE, JP HELMET, JPX HELMET, KARTTECH, KOKPIT, LOGAN, NAXA, NORISK, NOS, NOX, NOX PREMIUM, OLD BABY, PROGRIP, PROTECTWEAR, ROCKOT, SEC, SHOT RACE, GEAR, STORMER, TRAX, W, WAYSCRAL , W-TEC, ACERBIS, ACERBIS ITALIA SPA, SHAFT, UNIK, TRZ, VS, ROCC, BAYARD, BAYARD HELMETS, OMP, KENNY, PULL-IN, KSK, EOLE, GPA, GPA PURE, ONE, TROPHY, SEAT MO, STR, ZEN, BRG

2. Type: FS-760

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

4. Manufacturer's name:

Jiangyin Zhegang Mould Plastic Co., Ltd.

5. Address:

No.203, Luhu West Road, Huaxi 5th Village, Huashi Town
iangyin City,
People's Republic of China

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XSA003765

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)

10. Type of visor or visors: FS-760V

11. Brief description of visor or visors: See Manufacturer’s documentation

12. Submitted for approval on: 30 September 2022

13. Technical service responsible for conducting approval tests: Omega S.r.l.

14. Date of report issued by that service: 30 September 2022

15. Number of report issued by that service: XSA003765

16. Comment Sun Visor type: SV-2

17. Approval GRANTED

18. Place: BRISTOL

19. Date: 23 DECEMBER 2022

20. Signature:

C MCCABE
Chief Technical and Statutory Operations Officer

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

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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/01*0896*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration	**COP Confirmed**	
Assessment Method	**COP Audit**	
Date of Initial Clearance	**December**	**2014**
Date of Last Clearance	**April**	**2022**

Total number of sheets: 17 (Seventeen)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

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23-Dec-22

INFORMATION DOCUMENT

No.: R22-FS-760-00

ZGMS

Jiangyin Zhegang Mould Plastic Co., Ltd.

TYPE: FS-760

Protective helmet
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: 20.10.2022

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0	**GENERAL INFORMATION**		
0.1	Make (trade name of manufacturer)	:	FASEED, GIVI, KAPPA, HEVIK, AGRIUS, BLACK, SHOX, CKX, VOSS, ZOX, CGM, C6M, CMS, VITO, ALL-ONE, BULLIT, UFO, UFO PLAST ITALY SRL, MARKO, KORDA, TUCANO, TUCANO URBANO, DIEFFE, ILM, MAC, MOTOCUBO, AL, ASTONE, PANTHERA, ATOMIC, CASSIDA, COURSE, CRN, HEY, IXS, KHI, KOMINE, MTR, NERVE, NEXO, O'NEAL, PREMIER, P.R.M SRL, RXT, RYO, EVO, RYZEN, SLINE, SWAP'S, EIGHT, SQ, MARUSHIN, SWAY, TECHX2, XRC, BOGOTTO, DEXTER, PROV, AMOQ, TURN ONE, ARC, AREX, BIHR, CAFE RACER, DUCHINNI, FSD, FTR, GERMOT, GPR, GT, HAWK MOTO, HBX, HEVO, HYP HELMETS, HYPE, JP HELMET, JPX HELMET, KARTTECH, KOKPIT, LOGAN, NAXA, NORISK, NOS, NOX, NOX PREMIUM, OLD BABY, PROGRIP, PROTECTWEAR, ROCKOT, SEC, SHOT RACE, GEAR, STORMER, TRAX, W, WAYSCRAL , W-TEC, ACERBIS, ACERBIS ITALIA SPA, SHAFT, UNIK, TRZ, VS, ROCC, BAYARD, BAYARD HELMETS, OMP, KENNY, PULL-IN, KSK, EOLE, GPA, GPA PURE, ONE, TROPHY, SEAT MO, STR, ZEN, BRG
0.2	Type and general commercial description	:	FS-760
0.2.1	Commercial description	:	---
0.3	Variants / Versions	:	n.a.
0.4	Name and address of manufacturer	:	JIANGYIN ZHEGANG MOULD PLASTIC CO., LTD. No.203, Luhu West Road, Huaxi 5th Village, Huashi Town,Jiangyin City,People's Republic of China
0.5	Name and address of assembly plant	:	JIANGYIN ZHEGANG MOULD PLASTIC CO., LTD. No.203, Luhu West Road, Huaxi 5th Village, Huashi Town,Jiangyin City,People's Republic of China
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 6
1	**TECHNICAL DESCRIPTION**		
1.1	Description of the helmet		
1.1.1	Type of helmet	:	Open Face
1.1.2	Type of lower face cover	:	"J" none
1.1.3	Size (s) (cm)	:	XS (53-54), S (55-56), M (57-58), L (59), XL (60), XXL (61)

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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 : FS-760V

1.2 Description of the visor : Visor type: FS-760V

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 : EPS

1.4.2 Density and weight :

Size (cm)	Shell Size	Comfort padding thickness (mm)	Protective padding Density (Kg/m^3)	EPS Padding Thickness (mm)	Protective padding Weight (grams)
XS (53/54)	L	14+35	40+18	33+29+44+42	114+25
S (55/56)	L	12+30	40+18	33+29+44+42	114+25
M (57/58)	L	10+25	40+18	33+29+44+42	114+25
L (59)	L	12+25	55+25	32+27+42+37	128+34
XL (60)	L	10+20	55+25	32+27+42+37	128+34
XXL (61)	L	8+15	55+25	32+27+42+37	128+34

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 : n.a.

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 : 21±1 mm

1.6.2 Retention system : Type 1: Quick release mechanism
Type 2: Double D 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

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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 9
1.8.2.2	Position	:	Weave inside rear part of the padding

ANNEXS

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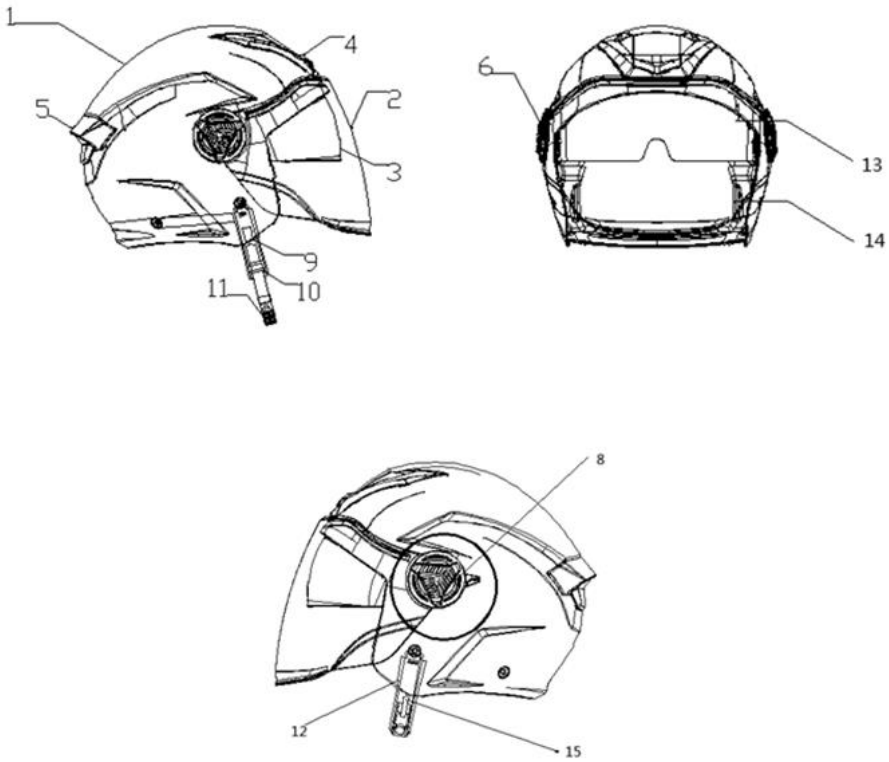
Annex 1: Drawing of the helmet



Number	Name	Material	Number	Name	Material
1	Shell	ABS	8	Inner switch	POM
2	Visor	PC	9	ECE Marking	Cloth
3	Sun Shade	PC	10	“B” ring	Steel
4	Front vent	ABS	11	Quick Release Mechanism	Polycarbonate + Steel
5	Top vent	ABS	12	Chin Strap	Nylon
6	Visor Mechanism	POM+STEEL	13	Protective Padding	EPS
7	Rivet	Iron	14	Comfort Padding	Compound Sponge + Cloth
Description	FS-760 helmet		Code No.:	FS-760-1	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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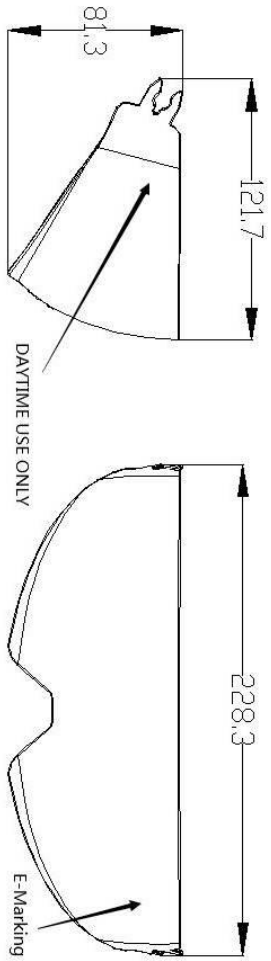
Annex 2: Drawing of the sun shade



Unit: mm

Number	Name	Material	Number	Name	Material
1	Sun Shade	PC	2	Warning	Daytime use only
	Sun Shade thickness	2.0±0.1 mm	3	ECE Marking	E 1 06XXXX-XXXX a = 8 mm min.
Description	SV-2		Code No.:	FS-760-2	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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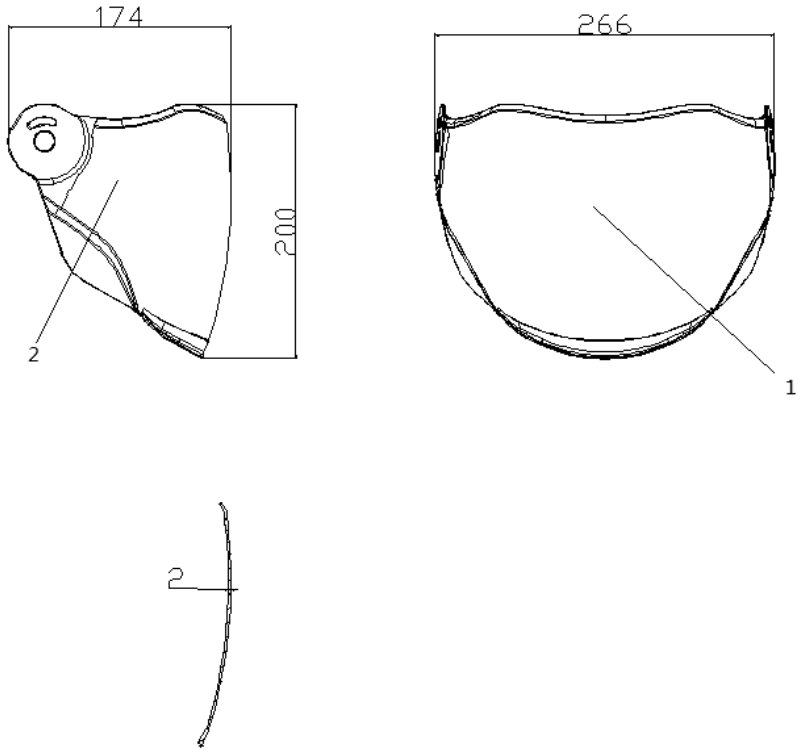
Annex 3: Drawing of the Visor



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Visor material	Polycarbonate	2	ECE Marking	E 1 06XXXX-XXXX a = 8 mm min.
	Visor thickness	2.0±0.1 mm			
Description	FS-760V		Code No.:	FS-760V-3	
Drawn by:	Tan Jian	Checked by:	Jay Tan	Approved by:	Able Xu
Date:	18.06.2022	Date:	18.06.2022	Date:	18.06.2022

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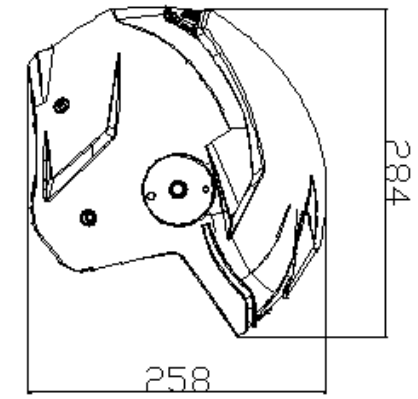
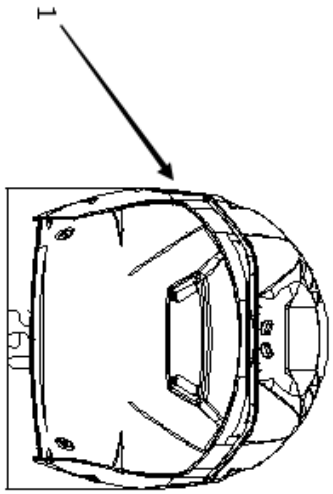
Annex 4: Drawing of the shell





Unit: mm

Number	Name	Material	Number	Name	Material
1	Shell	ABS			
Description	FS-760 Shell		Code No.:	FS-760-4	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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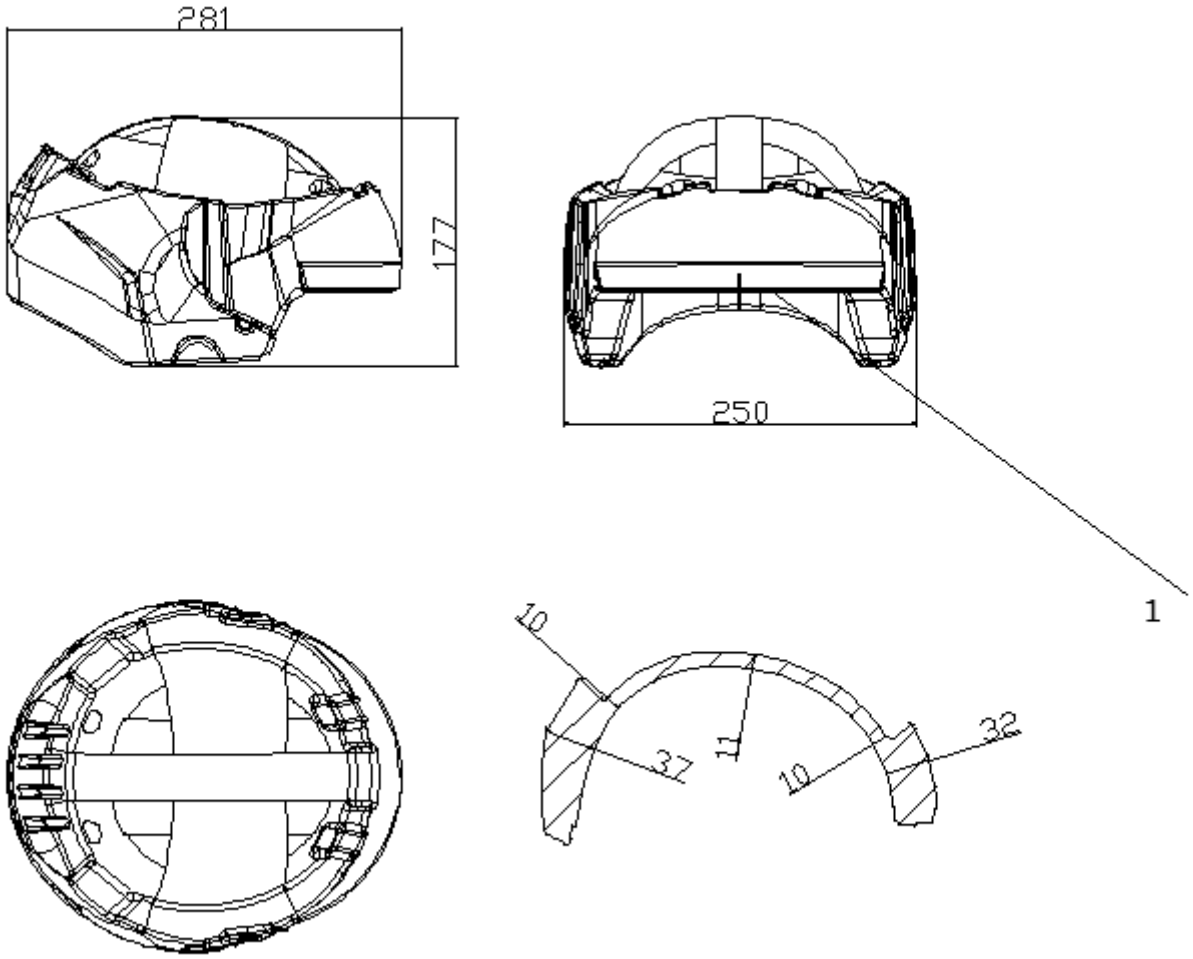
Annex 5: Drawing of the protective padding



Unit: mm

Number	Name	Material	Number	Name	Material
1	Main Protective padding	EPS			
Description	FS-760 Large Main Protective padding		Code No.:	FS-760-5.1	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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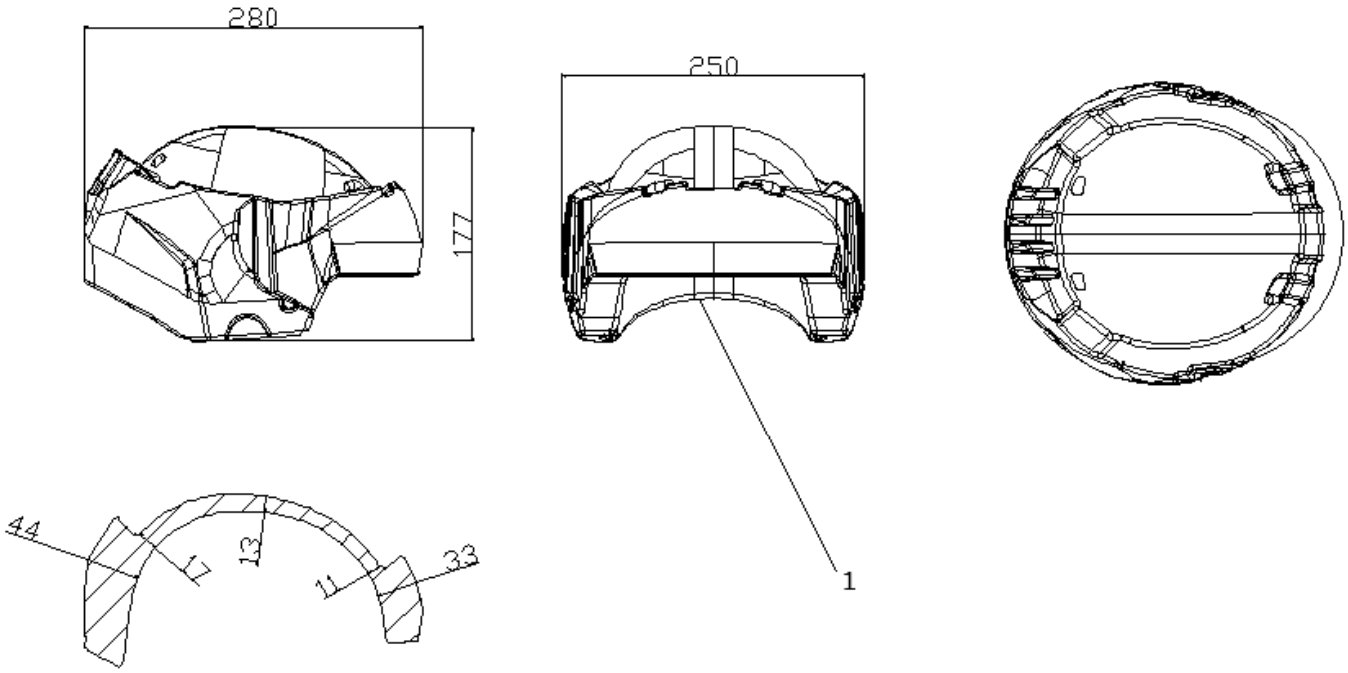

Unit: mm

Number	Name	Material	Number	Name	Material
1	Main Protective padding	EPS			
Description	FS-760 Small Main Protective padding		Code No.:	FS-760-5.2	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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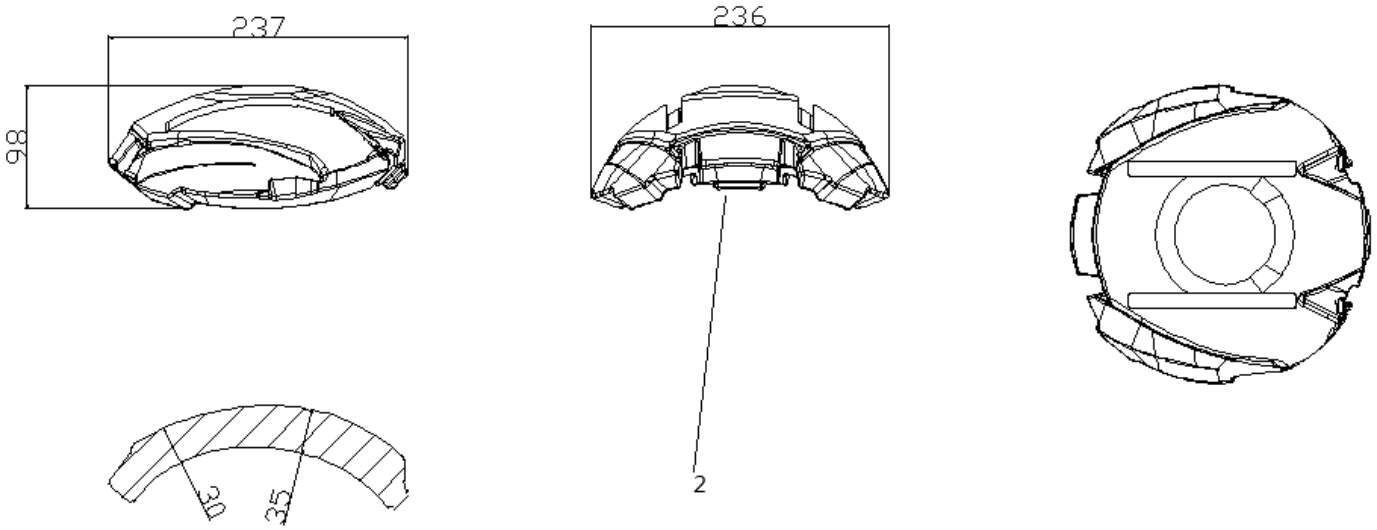

Unit: mm

Number	Name	Material	Number	Name	Material
2	Top Outer Protective padding	EPS			
Description	FS-760 Top Outer Protective padding		Code No.:	FS-760-5.3	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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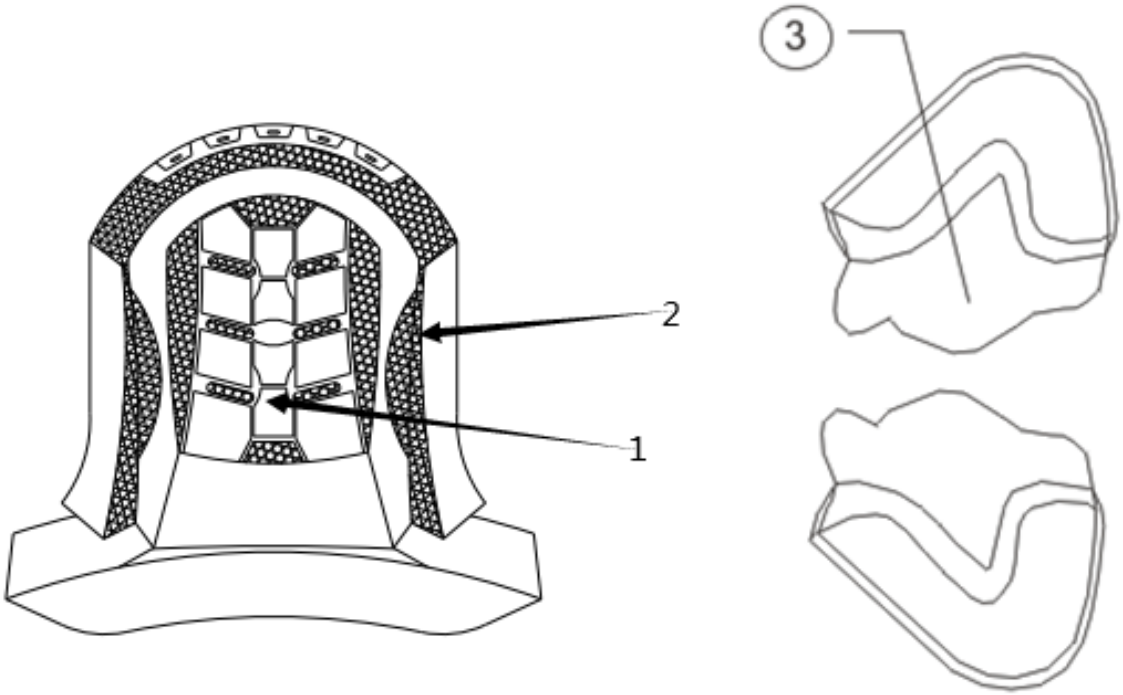
Annex 6: Drawing of the comfort padding



Number	Name	Material	Number	Name	Material
1	Comfort Padding	Compound Sponge + Cloth	3	Ear Comfort Padding	Compound Sponge + Cloth + PP
2	Information for wearer sign	Cloth			
Description	FS-760 Comfort padding		Code No.:	FS-760-6	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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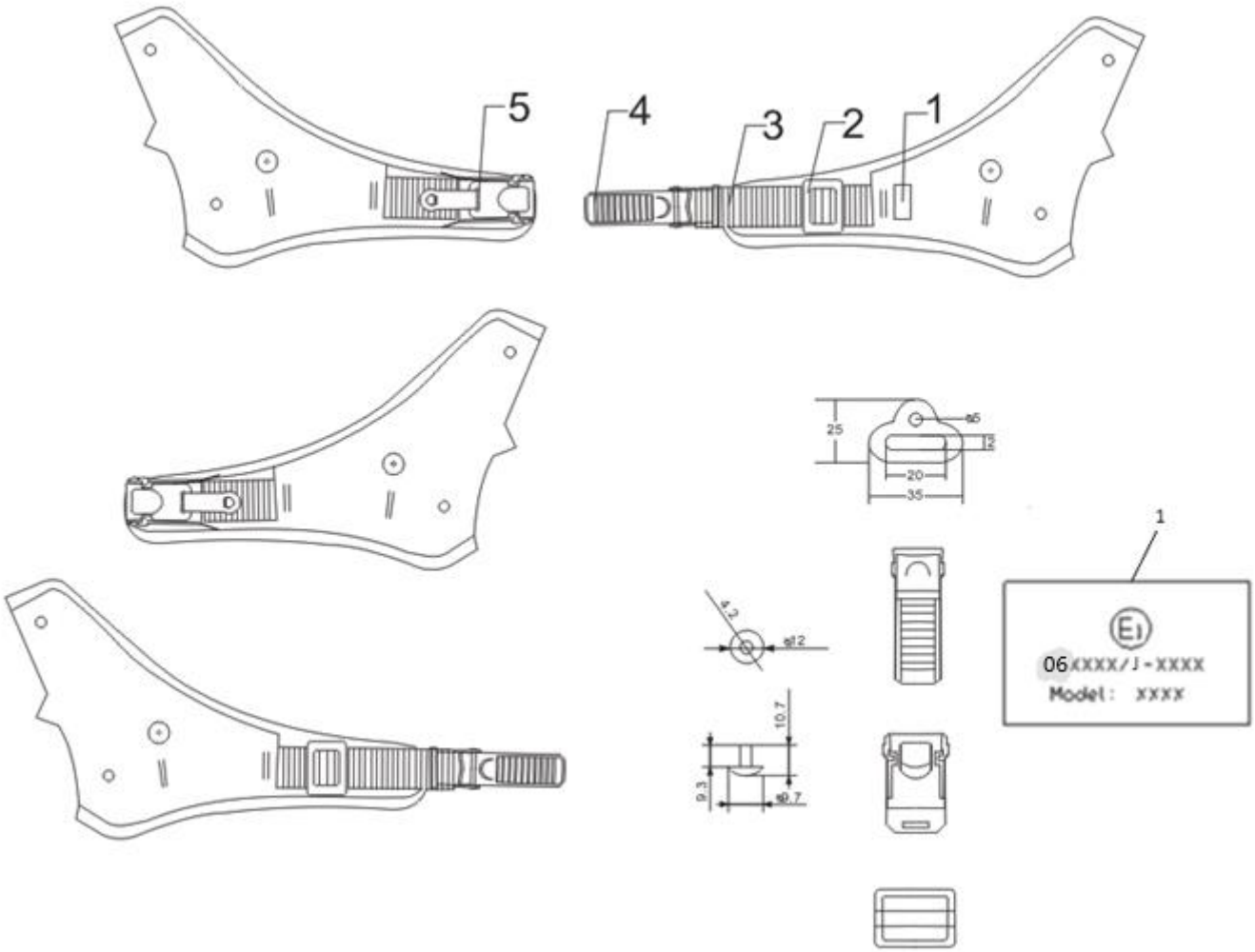
Annex 7: Drawing of the retention system



Unit: mm

Number	Name	Material	Number	Name	Material
1	ECE Marking	Cloth	4	Slider bar	Polycarbonate + Steel
2	“B” ring	Steel	5	Quick release buckle	Polypropylene
3	Chin strap	Nylon			
Description	FS-760 Retention system (Quick release mechanism)		Code No.:	FS-760-7.1	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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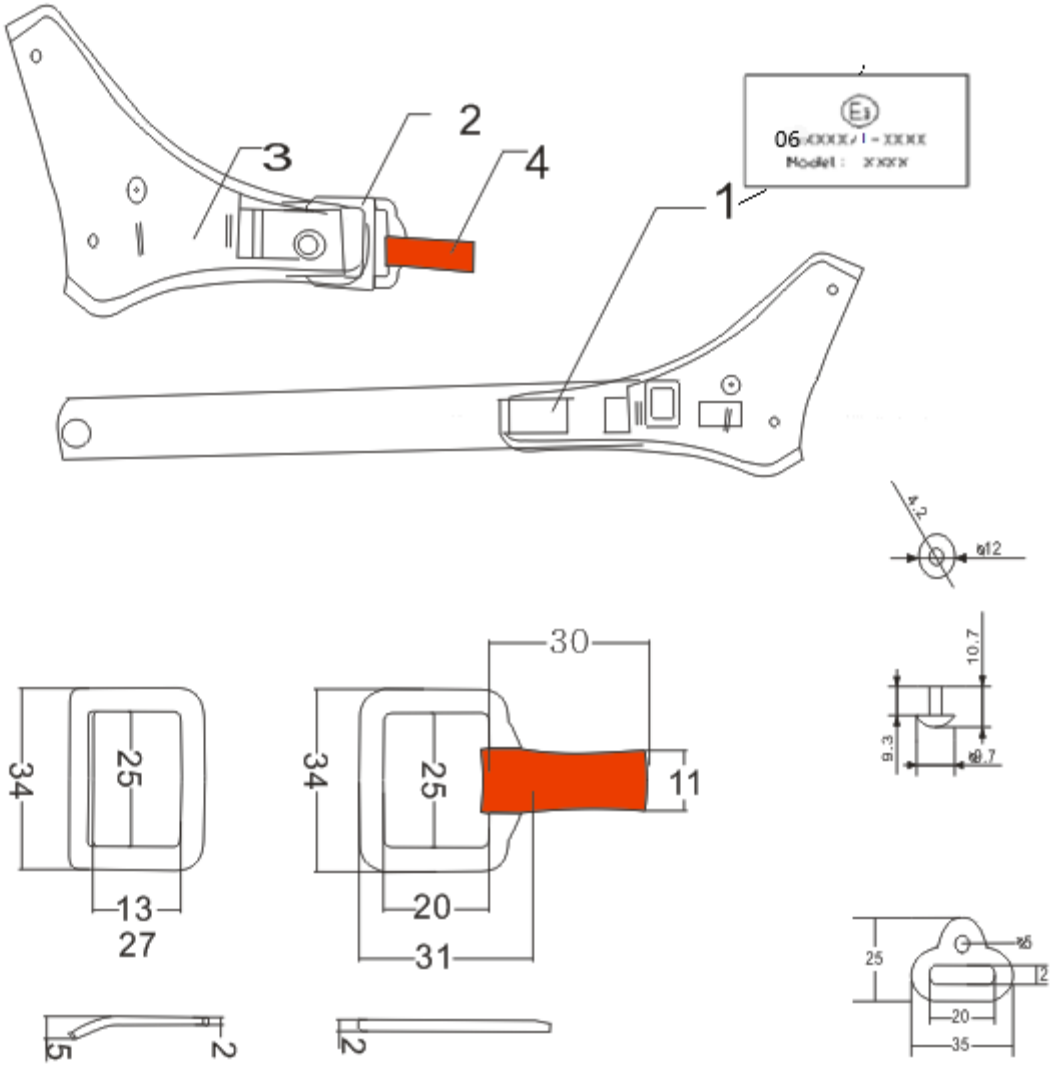

Unit: mm

Number	Name	Material	Number	Name	Material
1	ECE Marking	Cloth	3	Chin Strap	Nylon
2	“D” Ring	Steel	4	Red Small Strap	Nylon
Description	FS-760 Retention system (Double D Ring)		Code No.:	FS-760-7.2	
Drawn by:	WangHai	Checked by:	Jay Tan	Drawn by:	Jay Tan
Date:	08.04.2022	Date:	08.04.2022	Date:	08.04.2022

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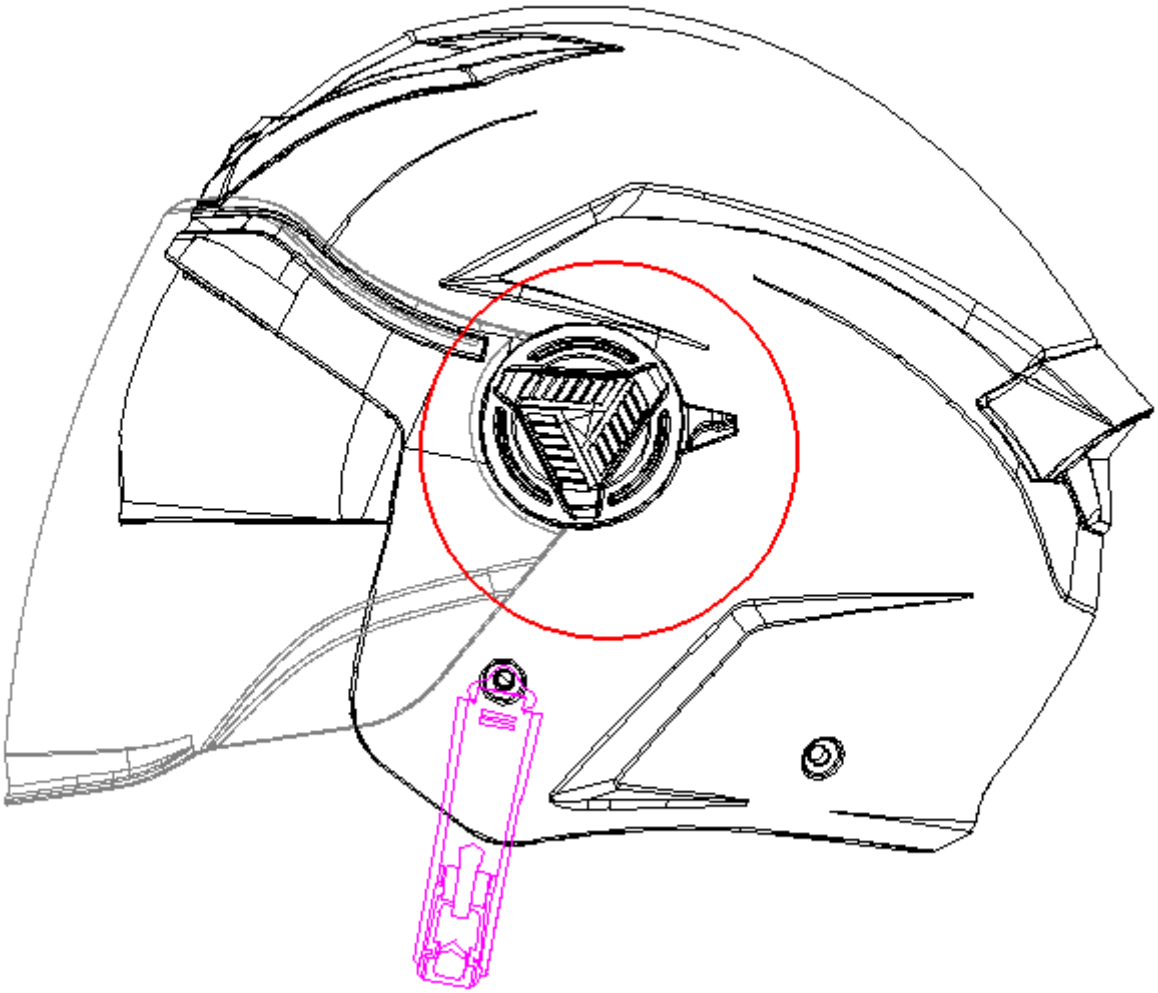
Annex 8: Way of Fixing Visor



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Annex 9: 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 may 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 injection method using acrylonitrile butadiene styrene. 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 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 VISOR SHALL ONLY BE USED IN COMBINATION WITH THE VISOR IN CLOSED POSITION TO ENSURE THE MECHANICAL PROTECTION OF THE EYES.

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Annex 10: Pictures of helmet products

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TYPE APPROVAL TESTING
UNECE n°22 Series 06

Job Number	[XSA003765]	
Report	Code:	Faseed FS-760 E06 Helmet Approval 20220930
	Date:	30/09/2022
Manufacturer	Name:	Jiangyin Zhegang Mould Plastic Co., Ltd
	Address:	No.203, Luhu West Road, Huaxi 5th Village, Huashi Town Jiangyin City, People's Republic of China
Representative	[it does not apply]	
Sample	Helmet model:	FS-760
	Approval n°:	n/a
	Stickers from n°:	n/a to n°: n/a Batch n°: n/a
	Arrival date:	18/09/2022 Testing date: 30/09/2022
Test Site	[OMEGA CHINA] / [OMEGA ITALY]	

Essential Technical Data		
SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59cm XL 60cm XXL 61cm]	
SHELL MATERIAL	[ABS]	
WEIGHT	[gr 1300 ± 50]	
RETENTION SYSTEM	[Ratchet buckle, DD-ring]	
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 October 2022]
Chin strap resistance	L5 (Hototech)	[9 December 2024]
Conditioning chamber: Freezer	L10 (Hototech)	[15 December 2022]
Conditioning chamber: Oven	L9 (Hototech)	[15 December 2022]
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.

This report concerns only the tested samples and it cannot be partially reproduced without prior written permission from OMEGA
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

OMEGA

HELMET IMAGES	
 *Front*	 *Side 1*
 *Side 2*	 *Rear*

GENERAL SPECIFICATION TEST

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

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 ≤ 2 mm – r ≥ 1 mm) ; (h ≥ 2mm – r ≥ 2mm)		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°	N/A	
6.18.2 to 6.18.6	Reflective parts (see test reports)		N/A	

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	SPECIFICATION
H.F. Size	[54 to 60]
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_2O	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

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IMPACT ABSORPTION TESTS — Ref. 7.3

Helmet size XXL (61)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	22-3901	60	B	FLAT	AMB	7.51	205	1903
			X	FLAT		7.53	175	1213
			P	FLAT		7.53	188	1890
			R	FLAT		7.53	198	1911
-	22-3902	60	B	KERB	AMB	7.53	142	1008
			X	KERB		7.53	139	905
			P	KERB		7.55	167	1218
			R	KERB		7.55	138	1169
-	22-3903	60	B	KERB	+50	7.51	136	1074
			X	KERB		7.53	129	865
			P	KERB		7.53	195	1309
			R	KERB		7.53	141	1151
-	22-3904	60	B	FLAT	-10	7.52	225	2158
			X	FLAT		7.53	180	1324
			P	FLAT		7.55	197	2053
			R	FLAT		7.55	207	1938
-	22-3905	60	B	FLAT	UV +WET	7.51	208	1922
			X	FLAT		7.53	172	1239
			P	FLAT		7.53	189	1981
			R	FLAT		7.55	198	1892

Helmet size L (59)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	22-3906	57	B	KERB	+50	7.53	148	1172
			X	KERB		7.53	131	822
			P	KERB		7.53	152	1202
			R	KERB		7.55	148	1347
-	22-3907	57	B	FLAT	-10	7.53	247	2369
			X	FLAT		7.55	179	1384
			P	FLAT		7.53	193	2251
			R	FLAT		7.55	211	2373

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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
-	22-3908	57	B	KERB	+50	7.53	132	964
			X	KERB		7.53	107	643
			P	KERB		7.53	130	1061
			R	KERB		7.51	125	929
-	22-3909	57	B	FLAT	-10	7.53	197	1774
			X	FLAT		7.53	157	1028
			P	FLAT		7.53	173	1752
			R	FLAT		7.53	175	1503

Helmet size	XS (53-54)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	22-3910	57	B	KERB	+50	7.53	140	970
			X	KERB		7.53	132	861
			P	KERB		7.53	146	1129
			R	KERB		7.55	177	1316
-	22-3911	57	B	FLAT	-10	7.51	213	2107
			X	FLAT		7.51	149	1175
			P	FLAT		7.53	177	1954
			R	FLAT		7.53	191	2046

IMPACT ABSORPTION TESTS, EXTRA POINTS Ref. 7.3 & 7.3.4.2.1

Helmet size	XL (60)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	22-3913	60	BXL	KERB	AMB	7.53	134	1007
			RXR	KERB		7.51	148	1110
			BXPR	KERB		7.53	145	1104
			RXPL	KERB		7.51	195	1435

Helmet size	XXL (61)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	22-3912	60	BXL	FLAT	AMB	7.53	214	1735
			RXR	FLAT		7.55	199	1870
			BXPR	FLAT		7.53	219	2065
			RXPL	FLAT		7.55	219	2286

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HIGH ENERGY IMPACT TESTS — Ref. 7.3 & 7.3.1.4

Helmet size XXL (61)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	22-3914	60	B	FLAT	AMB	8.22	227	2377
			X	FLAT		8.20	211	1665
			P	FLAT		8.22	205	2448
			R	FLAT		8.20	219	2430

LOW ENERGY IMPACT TESTS — Ref. 7.3 & 7.3.1.4

Helmet size XL (60)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	22-3915	60	B	FLAT	AMB	8.22	227	2377
			X	FLAT		8.20	211	1665
			P	FLAT		8.22	205	2448
			R	FLAT		8.20	219	2430

OBLIQUE IMPACT TEST — Ref. 7.13 & Annex 7

Helmet size XXL (61)

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
-	22-3107	60	45°	45°	AMB	8.11	3298	0.39
			180°	45°		8.11	2299	0.21
			270°	45°		8.11	3623	0.27
	22-3106	60	0°	45°	AMB	8.11	3501	0.45
			135°	45°		8.11	3162	0.34

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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**
-	22-2551	Air vent Rear	X	-
-	22-2252	Side Left	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)
-	22-2549	XXL	Longitudinal	1	13	2
-	22-2550	XXL	Transversal	1	11	2

DYNAMIC TEST OF THE RETENTION SYSTEM — Ref. 7.6

Sticker n°	Helmet Internal Id	**Size**	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	22-3108	**XS**	DD	32.8	19.6

Sticker n°	Helmet Internal Id	**Size**	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	22-3109	**XS**	Ratchet	33.8	16.3

RETENTION (DETACJING) TEST - ROLL OFF — Ref. 7.7

CHIN STRAP: [Ratchet]

Sticker n°	Helmet Internal Id	**Size**	Chin strap	Roll off Angle ≤ 30°
-	22-3108	**XS**	Reverse Position (7.7.2)	28
		XS	Roll-Off (7.7.3)	14

CHIN STRAP: [DD]

Sticker n°	Helmet Internal Id	**Size**	Chin strap	Roll off Angle ≤ 30°
-	22-3109	**XS**	Reverse Position (7.7.2)	19
		XS	Roll-Off (7.7.3)	15

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Reverse Position

ROLL-OFF

RETENTION SYSTEM STRENGTH

MICRO-SLIP TEST OF THE CHIN STRAP		Ref. 7.10
Helmet Internal Id	Chin strap	Result **[Pass/Fail]**
-	Ratchet	PASS

RESISTANCE TO ABRASION OF THE CHIN STRAP		Ref. 7.11
Helmet Internal Id	**Test Reference 7.1**	Result **[Pass/Fail]**
-	Resistance to Abrasion of the Chin Strap	PASS

QUICK RELEASE MECHANISM MICROMETRIC		Ref. 7.12
Helmet Internal Id	**Test Reference 7.12.1**	Result **[Pass/Fail]**
-	Inadvertent release by pressure	PASS
Helmet Internal Id	**Test Reference 7.12.2**	Result **[Pass/Fail]**
-	Easy of release ($Load_{max}$ ≤ 30 or 60 [N])	PASS
Helmet Internal Id	**Test Reference 7.12.3**	Result **[Pass/Fail]**
-	Durability of quick release mechanism Saline fog – 5000 cycles – Traction 2.0 kN±50N	PASS

REFLECTIVE PARTS

Reference	Test	Result: Pass or N/A	Result: 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)

Laboratory Manager
(Kidman Yu)

(Juan Pablo Cuesta)

END OF REPORT

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QUALIFICATION TESTING
UNECE n°22 Series 06

Job Number	XSA003765	
Report	Code:	Faseed FS-760 E06 Helmet Qualification 20221114
	Date:	14/11/2022
Manufacturer	Name:	JIANGYIN CITY ZHEGANG MOULD PLASTIC CO., LTD.
	Address:	No.203, Luhu West Road, Huaxi 5th Village, Huashi Town Jiangyin City, People's Republic of China
Representative	[it does not apply]	
Sample	Helmet model:	FS-760
	Approval n°:	E11*22R06/01*0896*00
	Stickers from n°:	1 to n°: 3200 Batch n°: 1
	Arrival date:	03/11/2022 Testing date: 09/11/2022

Essential Technical Data		
SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59cm XL 60cm XXL 61cm]	
SHELL MATERIAL	[ABS]	
WEIGHT	[gr 1300 ± 50]	
RETENTION SYSTEM	[Ratchet buckle, DD-ring]	
REFLECTIVE BANDS	No	
ENVIRONMENTAL CONDISTIONS	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 November 2022]
Chin strap resistance	L5 (Hototech)	[9 December 2024]
Conditioning chamber: Freezer	L10 (Hototech)	[15 December 2022]
Conditioning chamber: Oven	L9 (Hototech)	[15 December 2022]

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

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The helmets are divided in n°		4 batches	
Group n°		*Size*	*helmets*
1	The largest size	XXL	10
2	The largest size	XXL	10
3	The smallest size	XS-Ratchet	10
4	The smallest size	XS-DD	10

SHOCK ABSORPTION TESTS — Ref. 7.3

Group n°1 — **XXL (61)**

Head-form: **"60"** **Impact Point:** **"X"** **Anvil:** **KERB**

Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000001	22-3783		7.53	857	134
000007	22-3784		7.53	846	130
000002	22-3785		7.55	846	131
000009	22-3786		7.55	836	131
000005	22-3787		7.55	847	134
000006	22-3788		7.58	834	128
000004	22-3789		7.55	843	128
000003	22-3790		7.55	837	130
000008	22-3791		7.55	807	127
000010	22-3792		7.55	815	126
Mean of the value				$g_m = \sum g_i / 10$	130
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	3
Condition				$g_m + 2.4 \cdot S \leq 275$	136

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Group n°1			**XXL (61)**		
Head-form:	**"60"**	**Impact Point:**	**"R"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000001	22-3783		7.53	1000	128
000007	22-3784		7.55	1012	128
000002	22-3785		7.55	1027	133
000009	22-3786		7.55	1030	130
000005	22-3787		7.55	1000	131
000006	22-3788		7.55	1005	129
000004	22-3789		7.53	956	125
000003	22-3790		7.53	987	126
000008	22-3791		7.53	971	128
000010	22-3792		7.53	993	125
Mean of the value				$g_m = \sum g_i / 10$	128
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	3
Condition				$g_m + 2.4 \cdot S \leq 275$	135

Group n°2			**XXL (61)**		
Head-form:	**"60**	**Impact Point:**	**"B**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000019	22-3774		7.55	1989	216
000013	22-3775		7.53	1990	215
000020	22-3776		7.55	2169	226
000017	22-3777		7.53	2018	213
000015	22-3778		7.55	2036	222
000014	22-3779		7.53	2116	226
000016	22-3780		7.55	2010	211
000012	22-3781		7.55	1942	207
000018	22-3782		7.55	2064	215
000011	22-1047		7.51	2082	218
Mean of the value				$g_m = \sum g_i / 10$	217
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	6
Condition				$g_m + 2.4 \cdot S \leq 275$	232

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Group n°2			XXL (61		
Head-form:	**“60**	**Impact Point:**	**“P**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000019	22-3774		7.53	1758	184
000013	22-3775		7.55	1753	176
000020	22-3776		7.53	1869	187
000017	22-3777		7.53	1834	184
000015	22-3778		7.55	1773	179
000014	22-3779		7.55	1880	190
000016	22-3780		7.55	1813	183
000012	22-3781		7.58	1691	173
000018	22-3782		7.55	1772	184
000011	22-1047		7.58	1835	182
Mean of the value			$g_m = \sum g_i / 10$		182
Standard deviation			$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$		5
Condition			$g_m + 2.4 \cdot S \leq 275$		194

RETENTION SYSTEM STRENGTH Ref. 7.6

Group n°3			XS (59-60)		
Head-form:	**“54”**	**Description:**	**[Ratchet]**		
Sticker n°	Helmet Internal Id	Cond. [22°C]		Dynamic Ext. ⩽ 35 [mm]	Residual Ext. ⩽ 25 [mm]
000040	22-3793			31.5	13.8
000031	22-3794			30.6	14.5
000036	22-3795			31.8	13.9
000035	22-3796			30.2	14.2
000037	22-3797			31.6	15.1
000033	22-3798			32	13.3
000039	22-3799			31.9	13
000034	22-3800			30.3	14.6
000038	22-3801			31	14.5
000032	22-3802			32.6	13.7
Mean of the value			*Xm*	31	14
Standard deviation			*S*	1	1
			Xm + 2,4·S	33	16

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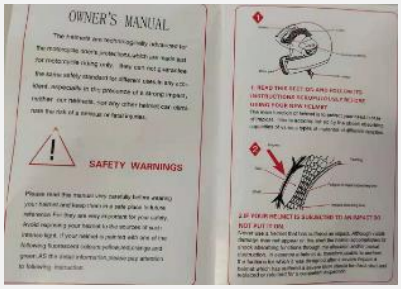
Group n°4			XS (53-54)		
Head-form:	**"54"**	**Description:**	**[DD]**		
Sticker n°	Helmet Internal Id	Cond. [22°C]		Dynamic Ext. ⩽ 35 [mm]	Residual Ext. ⩽ 25 [mm]
000041	22-3803			32.4	14.5
000050	22-3804			32.8	13.8
000049	22-3805			32.3	14.8
000047	22-3806			31.5	15.9
000045	22-3807			31.8	14
000043	22-3808			33	13.3
000046	22-3809			32.7	14.3
000048	22-3810			31.6	13.1
000042	22-3811			32.5	14.4
000044	22-3812			31.7	13.8
Mean of the value			*Xm*	32	14
Standard deviation			*S*	1	1
Condition			*Xm + 2,4·S*	34	16

LABELLING

Ref.	Requirement	Description or image
	Method of Attachment to helmet at point of sale	
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"	**[PASS]** 
	if fitted with a non protective lower face cover: "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.	**[Not Applicable]**
14.2	specific warning in the above-mentioned label: " 'Warning' - Do not apply paint, stickers, petrol or other solvents to this helmet".	**[PASS]** 
14.4	bears a label showing the type or types of visor that have been approved at the manufacturer's request.	**[PASS]** 

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MARKING		
Ref.	**Requirement**	**Description or image**
	Method of Marking to the helmet	
14.3	protective helmet is clearly marked with its size and its maximum weight, to the nearest 50 grams, as placed on the market.	**[PASS]** 
ANNEX 2A	The approval number and the production serial number shall be placed close to the circle and either above or below the letter "E" or to the left or right of that letter.	 **[ ]**

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM

Laboratory Technician
(Gao Yaming)

Laboratory Manager
(Kidman Yu)

(Juan Pablo Cuesta)

END OF REPORT

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23-Dec-22

VCA JOB NUMER: XSA003765

MANUFACTURER: Jiangyin Zhegang Mould Plastic Co., Ltd.

TYPE: FS-760

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 RUIZ
DATE: 17th November 2022