



Kraftfahrt-Bundesamt

DE-24932 Flensburg



MITTEILUNG

Ausgestellt von:

Kraftfahrt-Bundesamt

über die Erweiterung der Genehmigung
für einen Schutzhelmtyp mit Visiertyp(en) nach der Regelung Nr. 22

COMMUNICATION

Issued by:

Kraftfahrt-Bundesamt

concerning approval extended
of a type of protective helmet with visor type(s) pursuant to Regulation
No. 22

Nummer der Genehmigung: **E1*22R05/03*300738*01**
Approval No.

1. Fabrik- oder Handelsmarke:
Trade name or mark:
LS2, MHR, TAKAI

2. Typ:
Type:
FF902

Handelsbezeichnungen/ General commercial descriptions:
SCOPE, FF902, FF902-1

Aktualisierung der Handelsbezeichnungen
updating general commercial descriptions

3. Größen:
Sizes:
XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63/64), XXXL(65/66)

4. Name des Herstellers:
Manufacturer's name:
JIANGMEN PENGCHENG HELMETS LTD.
CN-Gonghe Town, Heshan City



Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/03*300738*01

Approval No.:

5. Anschrift:
 Address:
 (s. 4.)

6. Gegebenenfalls Name des Vertreters des Herstellers:
 If applicable, name of manufacturer's representative:
 entfällt
 not applicable

7. Anschrift:
 Address:
 (s. 6.)

8. Kurze Beschreibung des Helms:
 Brief description of helmet:
 siehe Anlagen
 see enclosures

9. Helm mit schützender unterer Gesichtsabdeckung **(P)**
 Helmet with protective lower face cover **(P)**

10. Visiertyp oder Visiertypen:
 Type of visor or visors:
 FF-MHR-93
 E1 22R 05300733

11. Kurze Beschreibung des Visiers oder der Visiere:
 Brief description of visor or visors:
 siehe Anlagen
 see enclosures

12. Zur Genehmigung vorlegt am:
 Submitted for approval on:
 10.06.2019

13. Technischer Dienst, der die Prüfungen für die Genehmigungen durchführt:
 Technical service responsible for conducting approval tests:
 SGS-TÜV Saar GmbH
 DE-81379 München

14. Datum des Gutachtens des Technischen Dienstes:
 Date of report issued by that service:
 10.06.2019




Kraftfahrt-Bundesamt

DE-24932 Flensburg

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Nummer der Genehmigung: E1*22R05/03*300738*01
Approval No.:

15. Nummer des Gutachtens des Technischen Dienstes:
Number of report issued by that service:
HOM ECN T19/011-01
16. Bemerkungen:
Comments:
entfällt
not applicable
17. Die Genehmigung wird **erweitert**
Approval **extended**
18. Ort: **DE-24932 Flensburg**
Place:
19. Datum: **18.06.2019**
Date:
20. Unterschrift: **Im Auftrag**
Signature:


(D. Stieglitz)



21. Folgende mit der oben erwähnten Genehmigungsnummer versehene Dokumente sind auf Anforderung erhältlich.
The following documents, bearing the approval number shown above, are available on request:

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

1 Prüfbericht mit Anlagen
1 Test report with appendices

1 Beschreibungsmappe R22-FF902-01 (22 Blatt)
1 Information folder R22-FF902-01 (22 sheets)



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nr. der Genehmigung: E1*22R05/03*300738*01

Approval No.:

- Anlage -

Nebenbestimmungen und Rechtsbehelfsbelehrung

Nebenbestimmungen

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Die in der bisherigen Genehmigung enthaltenen Auflagen gelten auch für diese Erweiterung.

Rechtsbehelfsbelehrung

Gegen diese Genehmigung kann innerhalb eines Monats nach Bekanntgabe Widerspruch erhoben werden. Der Widerspruch ist **beim Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg**, schriftlich oder zur Niederschrift einzulegen.

- Attachment -

Collateral clauses and instruction on right to appeal

Collateral clauses

The individual production of serial fabrication must be in exact accordance with the approval documents. The requirements contained in the previous approval are also valid for this amendment.

Instruction on right to appeal

This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Kraftfahrt-Bundesamt, Fördestraße 16, DE-24944 Flensburg**.

Technical Report

Test standard:
ECE Regulation No. 22

Level of amendment:
Supplement 3 to the 05 series of amendments

Title:
Protective helmets and their visors

Manufacturer:
Jiangmen Pengcheng Helmets Co., Ltd.

Type:
FF902

Subject of testing:
Component

0 General

0.1	Make (trade name of manufacturer):	LS2, MHR, TAKAI
0.2	Type:	FF902
0.2.1	Commercial description:	SCOPE, FF902 , FF902-1
0.3	Means of identification of type, if marked on the vehicle:	n.a.
0.3.1	Location of that marking:	n.a.
0.4	Category of vehicle:	n.a.
0.5	Manufacturer's name and address:	Jiangmen Pengcheng Helmets Co., Ltd. Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China
0.8	Address of assembly plant:	Jiangmen Pengcheng Helmets Co., Ltd. Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China
0.9	Name and address of representative:	n.a.
	Location of the ECE approval mark:	refer to information document

1 Test record

See appendix

2 Attachments

2.1 List of modifications:

2.2 Information folder:

No.: **R22-FF902-01**

Date of issue: **20.05.2019**

3 Statement of conformity

The information folder as mentioned under no. 2.2 and the type described therein are in compliance with the test standard mentioned above.

With regard to the required level of performance to be achieved, the test specimen were representative for the type to be approved.

The tests were carried out in accordance to the relevant requirements of the

EN ISO/IEC 17025:2005 EN ISO/IEC 17020:2012

**Test Laboratory
 SGS-TÜV Saar GmbH**

notified by

Kraftfahrt-Bundesamt (KBA),
 Federal Republic of Germany

National Standards
 Authority of Ireland (NSAI)

Rijksdienst voor het Wegverkeer
 (RDW),
 The Netherlands

No. KBA - P 00084 – 10

No. 101

No. 99050064 00

Responsible expert

Signature

Lell Wu

Jun 10, 2019



Conformity check

Signature

Doris Yang

Jun 10, 2019



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Test record

1 Test object and measuring equipment

1.1 Test object

- Protective helmet (without visor)
- Protective helmet (with visor)
- Visor

1.1.1 Protective Helmet

Type: FF902
 Sizes: XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63/64), XXXL(65/66)
 Lower face cover: Without lower face cover (J)
 Protective (P)
 Non protective (NP)

1.1.2 Helmet visor

Visor type: FF-MHR-93
 Approval No.: E1 22R 05300733

1.1.3 Sun shade

The helmet is equipped with a swivel-mounted sun shade, which may only be used in combination with the visor in closed position according to the user manual

- On the inner side of the visor
- On the outer side of the visor
- Not applicable

1.1.4 Remarks:

n.a.


1.2 Equipments for measuring and testing:

1.2.1 Test equipment:

The equipment and the test facilities on which the tests were carried out fulfilled the requirements of the ECE Regulation 22.05

1.2.2 Measurement procedure:

according to ECE Regulation No. 22.05

2	Test Results	Due to the reason of extension (see attachment 2.1 List of modifications), all tests related were repeated according to this regulation, test results refer to bellow items.
2.1	Protective helmet	
2.1.1	Marking (clause 4.1.1, 4.4)	All required information, in accordance with the ECE R22.05, is given by the labels <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.2	Basic construction (clause 6.1)	Shell + Protective padding + Retention system <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.
2.1.3	If fitted with non protective lower face cover (clause 6.2)	<input type="checkbox"/> Marked <input type="checkbox"/> "Does not protect chin from impacts" <input type="checkbox"/> Marked with symbol  <input checked="" type="checkbox"/> n.a.
2.1.4	Extent of the protection (clauses 6.4, 6.5)	The shell and the protective padding cover all areas as required <input checked="" type="checkbox"/> fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> n.a.

2.1.5 Projections / irregularities / sharp edges (clauses 6.6 to 6.9)

All external projections other than press-fasteners are smooth and adequately faired, all external projections which are not more than 2 mm above the outer surface of the shell, have a radius of more than 1 mm, all external projections which are more than 2 mm above the outer surface of the shell have a radius of more than 2 mm.

All projections or irregularities in the outer surface of the shell which are higher than 2 mm, fulfill the requirements after the shear assessment test. The outer surface of the helmet fulfills the requirements after the friction assessment test.

There are no inward-facing sharp edges on the inside of the helmet; rigid, projecting internal parts are covered with padding so that any stresses transmitted to the head are not highly concentrated.

- fulfilled
- Not fulfilled
- n.a.

2.1.6 Test method for projections and surface friction

- Procedure A (7.4.1)
- Procedure B (7.4.2)

Helmet No.	Helmet Size (cm)	Condition	Projections	Friction
M-3	57/58	Solvent plus ambient temperature and hygrometry conditioning	Pass	Pass

2.1.7 Peripheral vision (clause 6.14)

Horizontal ($\geq 105^\circ$):

<input checked="" type="checkbox"/>	fulfilled
<input type="checkbox"/>	Not fulfilled
<input type="checkbox"/>	n.a.

Upwards ($\geq 7^\circ$):

<input checked="" type="checkbox"/>	fulfilled
<input type="checkbox"/>	Not fulfilled
<input type="checkbox"/>	n.a.

Downwards ($\geq 45^\circ$):

<input checked="" type="checkbox"/>	fulfilled
<input type="checkbox"/>	Not fulfilled
<input type="checkbox"/>	n.a.

2.1.8 Conspicuity marking
(clause 6.16)

<input type="checkbox"/>	fulfilled
<input type="checkbox"/>	Not fulfilled
<input checked="" type="checkbox"/>	n.a.

2.1.9 Impact-absorption tests
(clause 7.3)

x	fulfilled
	Not fulfilled
	n.a.

Size: 61/62 cm

Test Head Form: O (62 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
XL-1	Solvent plus ambient temperature and hygrometry conditioning	Kerbstone	B	7.56	191.0	1293
		Kerbstone	X	7.54	177.5	1212
		Flat	P	7.50	195.6	1604
		Flat	R	7.56	233.1	2113
XL-2	Solvent plus ambient temperature and hygrometry conditioning	Flat	B	7.55	191.6	1551
		Flat	X	7.51	229.7	1702
		Kerbstone	P	7.58	140.5	1125
		Kerbstone	R	7.55	181.0	1268
XL-3	Solvent plus heat conditioning	Kerbstone	B	7.54	242.4	1437
		Kerbstone	X	7.50	171.8	1130
		Kerbstone	P	7.52	135.5	1037
		Kerbstone	R	7.53	202.0	1324
XL-4	Solvent plus low temperature conditioning	Flat	B	7.51	203.1	1681
		Flat	X	7.52	238.8	1873
		Flat	P	7.51	193.7	1674
		Flat	R	7.56	230.2	2057
		Flat	S	5.53	228.7	1112
XL-5	Solvent plus ultra-violet radiation conditioning and moisture conditioning	Kerbstone	B	7.52	220.6	1351
		Kerbstone	X	7.51	235.1	1858
		Flat	P	7.54	191.8	1649
		Flat	R	7.56	219.8	2032

Size: 53/54 cm

Test Head Form: E (54 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
XS-1	Solvent plus heat conditioning	Kerbstone	B	7.52	186.6	1195
		Kerbstone	X	7.60	185.1	1406
		Kerbstone	P	7.51	167.2	1302
		Kerbstone	R	7.50	156.0	1073
XS-2	Solvent plus low temperature conditioning	Flat	B	7.51	199.1	1635
		Flat	X	7.52	242.7	2088
		Flat	P	7.52	194.1	2035
		Flat	R	7.51	167.7	1347
		Flat	S	5.54	165.5	677

Size: 55/56 cm

Test Head Form: E (54 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
S-1	Solvent plus heat conditioning	Kerbstone	B	7.50	189.1	1264
		Kerbstone	X	7.51	190.1	1394
		Kerbstone	P	7.51	179.5	1390
		Kerbstone	R	7.51	124.1	1126
S-2	Solvent plus low temperature conditioning	Flat	B	7.57	217.1	1849
		Flat	X	7.50	247.8	2108
		Flat	P	7.50	198.9	2075
		Flat	R	7.52	164.9	1286
		Flat	S	5.50	136.5	351

Size: 57/58 cm

Test Head Form: J (57 cm)

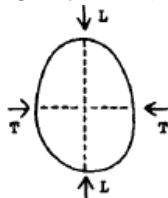
Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
M-1	Solvent plus heat conditioning	Kerbstone	B	7.56	188.3	1120
		Kerbstone	X	7.52	188.7	1338
		Kerbstone	P	7.52	155.7	1178
		Kerbstone	R	7.51	157.0	1196
M-2	Solvent plus low temperature conditioning	Flat	B	7.52	182.3	1462
		Flat	X	7.51	264.2	2308
		Flat	P	7.58	226.8	2100
		Flat	R	7.55	211.8	1814
		Flat	S	5.54	171.1	773

Size: 59/60 cm

Test Head Form: M (60 cm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤ 275g	HIC ≤ 2400
L-1	Solvent plus heat conditioning	Kerbstone	B	7.54	240.8	1451
		Kerbstone	X	7.51	189.5	1226
		Kerbstone	P	7.53	165.9	1251
		Kerbstone	R	7.55	195.9	1376
L-2	Solvent plus low temperature conditioning	Flat	B	7.54	203.4	1725
		Flat	X	7.51	247.7	1996
		Flat	P	7.51	204.3	1855
		Flat	R	7.57	234.8	2129
		Flat	S	5.55	246.4	1129

2.1.10 Rigidity test (clause 7.5)



- fulfilled
- Not fulfilled
- n.a.

Helmet No.	Size	Condition	Direction	Max. deformation (≤ 40 mm)	Residual deformation (≤ 15 mm)
XL-6	61/62	Solvent plus ambient temperature and hygrometry conditioning	Longitudinal axis	20.5	4.2
XL-7	61/62	Solvent plus ambient temperature and hygrometry conditioning	Transverse axis	14.0	2.3

2.2 Retention system

The former test results remain valid.

2.3 Visor

- n.a. (no visor)
- n.a. (visor separately approved)

Refer to approval no.: E1 22R 05300733

2.4 Information for wearers
(clauses 14.1 to 14.6)

The former test results remain valid.



3 Other information

Place of testing: SGS CSTC Guangzhou, P.R. China

Date of testing: From 21.05.2019 to 05.06.2019

4 Remarks: ---

List of modifications

- | | | |
|---|------------------|--|
| 1 | Correction of: | n.a. |
| 2 | Modification of: | Modify protective paddings for all sizes. |
| 3 | Addition of: | Commercial description(s) add "FF902, FF902-1" |
| 4 | Deletion of: | n.a. |

INFORMATION DOCUMENT

No.: R22-FF902-01



Jiangmen Pengcheng Helmets Co., Ltd.

TYPE: FF902

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:

A handwritten signature in black ink, appearing to be "J. Pengcheng", is written over a horizontal line.

Date: 20.05.2019

Reason of extension:

Correction: n.a.

Modification: Modify protective paddings for all sizes.

Addition: Commercial description(s) add "FF902, FF902-1"

Deletion: n.a.



Type : FF902
 Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

Date:20.05.2019

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0 GENERAL INFORMATION

- 0.1 Make (trade name of manufacturer) : LS2, MHR, TAKAI
- 0.2 Type : FF902
- 0.2.1 Commercial description(s) : SCOPE, **FF902, FF902-1**
- 0.3 Variants / Versions : n.a.
- 0.4 Name and address of manufacturer : Jiangmen Pengcheng Helmets Co., Ltd.
 Industrial Park East, Gonghe Town, Heshan City
 Guangdong Province, China
- 0.5 Name and address of assembly plant : Jiangmen Pengcheng Helmets Co., Ltd.
 Industrial Park East, Gonghe Town, Heshan City
 Guangdong Province, 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 chin strap, see Annex 6

1 TECHNICAL DESCRIPTION

- 1.1 Description of the helmet
 - 1.1.1 Type of helmet : Full face
 - 1.1.2 Type of lower face cover : "P" protective
 - 1.1.3 Size (s) : XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63/64), XXXL(65/66)
 - 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 : FF-MHR-93
- 1.2 Description of the visor : Visor type: FF-MHR-93
 Approval No.: E1 22R 05300733
- 1.3 Description of the shell
 - 1.3.1 Material : ABS
 - 1.3.2 Manufacture method : 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 3

1.4 Description of protective padding

- 1.4.1 Composition : EPS
- 1.4.2 Density and weight :

Size (cm)	Shell size	Comfort padding thickness (Main) (mm)	Protective padding Density (Main +Top+ Ear+Mouth) (Kg/m ³)	Protective padding Thickness (mm)	Protective padding Weight (Main +Top + Ear+Mouth) (g)
XS(53/54)	S-XS	12	40+20+65+85	30-35	94+22+55+10
S(55/56)	S-XS	8	40+20+65+85	30-35	80+22+48+10
M(57/58)	L-M	12	50+30+80+85	30-35	100+38+48+10
L(59/60)	L-M	8	60+30+80+85	30-35	118+38+45+10
XL(61/62)	XXXL-XL	12	75+30+85+85	30-35	140+42+52+10
XXL(63/64)	XXXL-XL	8	75+30+85+85	30-35	140+42+52+10
XXXL(65/66)	XXXL-XL	8	75+30+85+85	30-35	140+42+52+10

- 1.4.3 Drawing of the protective padding : See Annex 4



Type : FF902
Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

Date:20.05.2019

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-
- 1.5 Description of comfort padding
- 1.5.1 Composition of
Comfort padding : Compound sponge
Comfort tissue : Nylon
Protection of the back of the nape : Sponge, textile and leather
Lateral packing : EPS and compound sponge
Lower face cover : EPS and PU
- 1.5.2 Drawing of the comfort padding : See Annex 5
- 1.6 Description of the retention system
- 1.6.1 Chin strap
Material : Nylon
Width : 22 mm or 25 mm
- 1.6.2 Retention system : Type 1: Double "D" Ring with 25mm Chin Strap
Type 2: No.17 Quick Release Mechanism with 22mm Chin Strap
Type 3: No.11 Quick Release Mechanism with 22mm Chin Strap
- 1.6.3 Comfort padding of the retention system
Composition : Leather and textile
Thickness : 3 mm
- 1.6.4 Anchorage system to the shell : By means of a metallic piece fixed to the shell by rivets
- 1.6.5 Drawing of the retention system : See Annex 6
- 1.7 Other Characteristics
- 1.7.1 Markings
Make : Rear part of the shell
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 7
- 1.8.2.2 Position : Hang on chin strap



Type : FF902
Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

Date:20.05.2019

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ANNEXS

Annex 1	Drawing of the helmet	20.05.2019
Annex 2	Drawing of the sun shade	05.01.2019
Annex 3	Drawing of the shell	
	FF902 XXXL-XL Shell	05.01.2019
	FF902 L-M Shell	05.01.2019
	FF902 X-XS Shell	05.01.2019
Annex 4	Drawing of the protective padding	
	FF902 XXXL-XL Protective Padding	20.05.2019
	FF902 L Protective Padding	20.05.2019
	FF902 M Protective Padding	20.05.2019
	FF902 S Protective Padding	20.05.2019
	FF902 XS Protective Padding	20.05.2019
	FF902 XXXL-XS Mouth Protective Padding	05.01.2019
Annex 5	Drawing of the comfort padding	05.01.2019
Annex 6	Drawing of the retention system	
	FF902 Retention system (No.11 Buckle)	05.01.2019
	FF902 Retention system (No.17 Buckle)	05.01.2019
	FF902 Retention system (Double "D" Ring)	05.01.2019
Annex 7	Information for wearer	05.01.2019



Type : FF902
 Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

Date:20.05.2019
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Annex 1: Drawing of the helmet

MODEL	FF902					
SIZE	XXL	XL	L	M	S	
CM	65-66	63-64	61-62	59-60	57-58	
					55-56	53-54

序号 number	壳体 name	单位 unit	数量 piece	材料 material
1	壳体 Outer shell	个 piece	1	abs
2	泡沫 protective padding	个 piece	4	eps
3	内衬 comfort padding	套 set	1	nylon
4	橡胶条 rubber ring	条 unit	1	pvc
5	不锈钢卡扣 hook/ buckle/ ratchet ring	套 set	1	stainless steel
6	下巴带 chin strap	条 unit	2	nylon
7	下巴风窗 mouth vent	套 set	1	abs
8	镜片 visor	个 piece	1	pc
9	棘齿系统 Ratchet system	套 set	2	pom
10	内镜片 Visor	个 piece	1	abs
11	前风窗 top vent	个 piece	1	abs
12	后风窗 back vent	个 piece	1	abs

技术要求

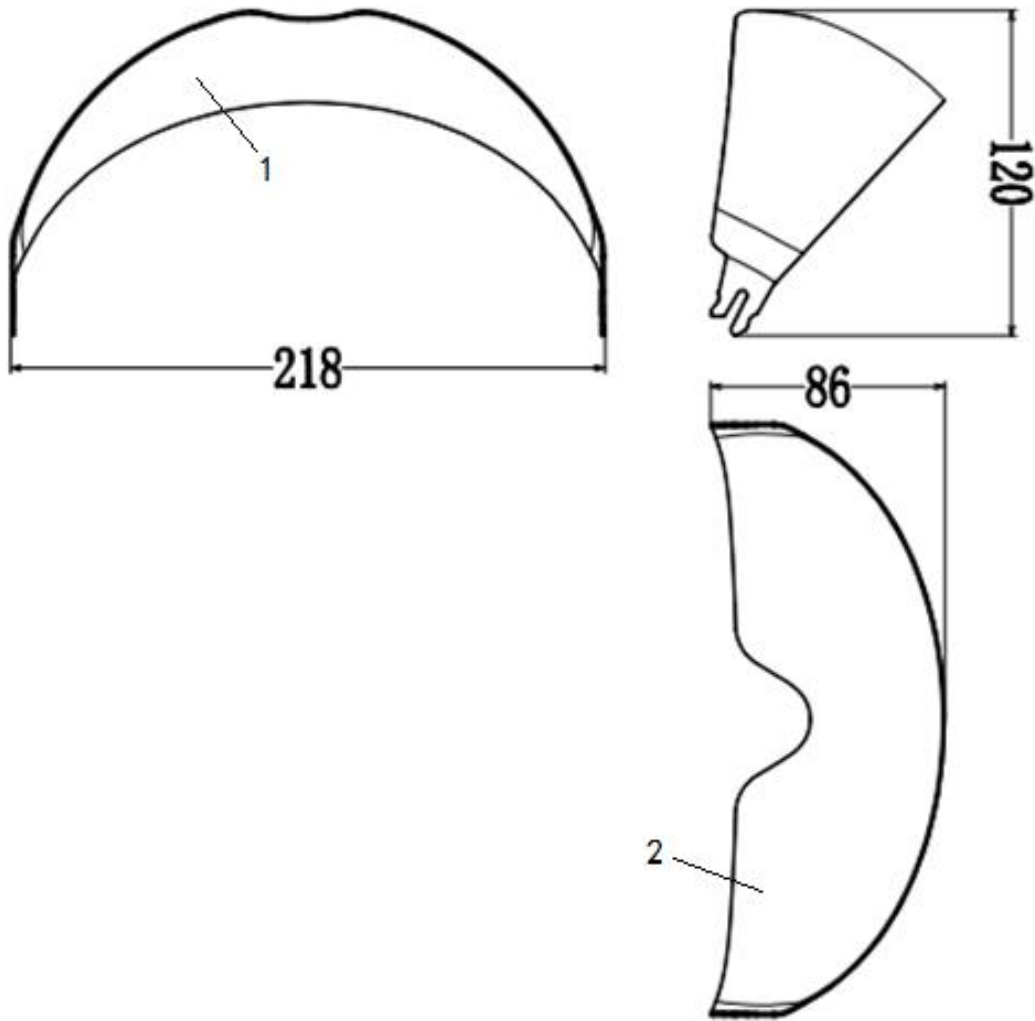
1. The surface of the outshell should be smooth and bright no mottle, pinhold, bulb, drop lack of oil of basic color.
 2. Every spare parts should be fixed correctly, and not be loose, missed.



Type : FF902
Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

Date:20.05.2019
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Annex 2: Drawing of the sun shade



Unit: mm

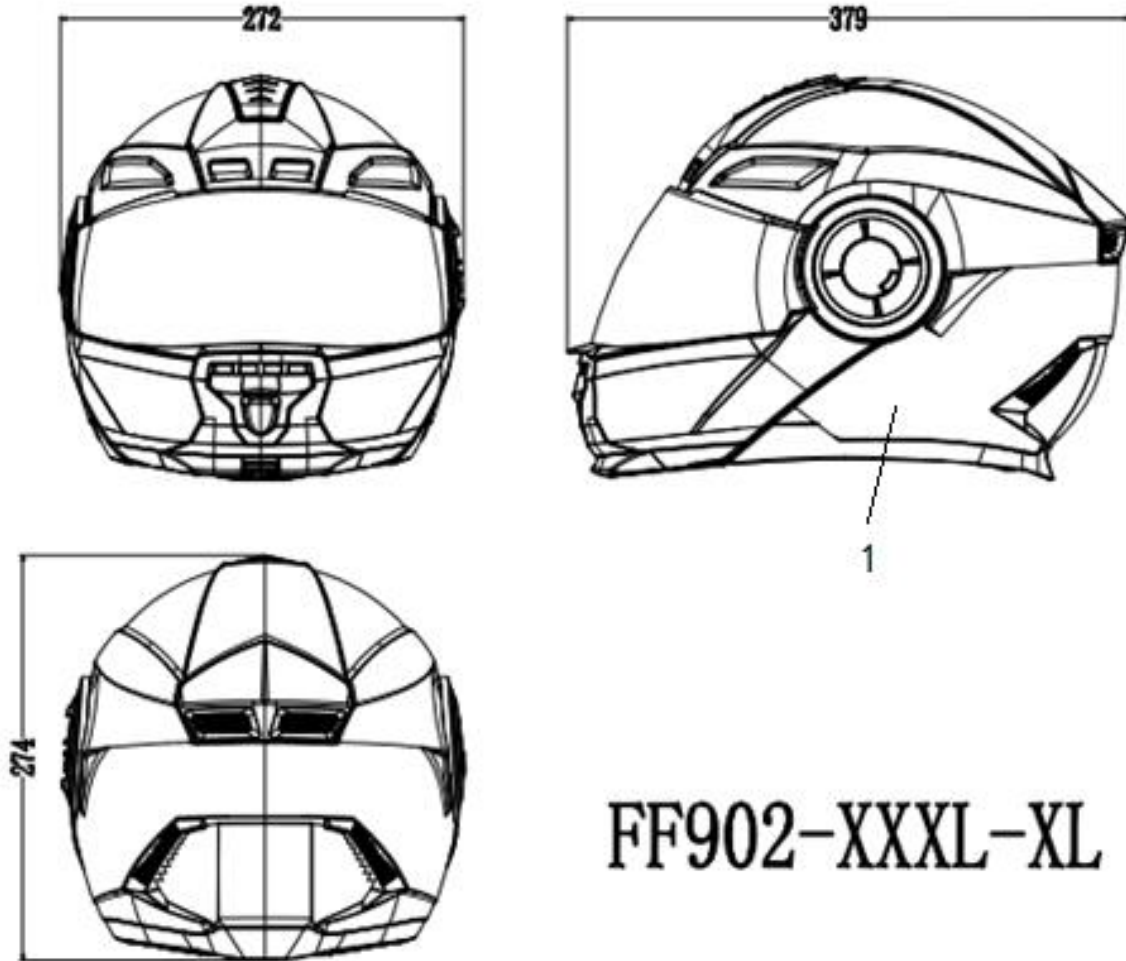
Number	Name	Parameter	Number	Name	Parameter
1	Sun Shade Material	PC	2	Warning	DAYTIME USE ONLY
Description	FF902 Sun Shade		Code No.:	FF902.2	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019



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Annex 3: Drawing of the shell



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF902 XXXL-XL Shell		Code No.:	FF902.3.1	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019

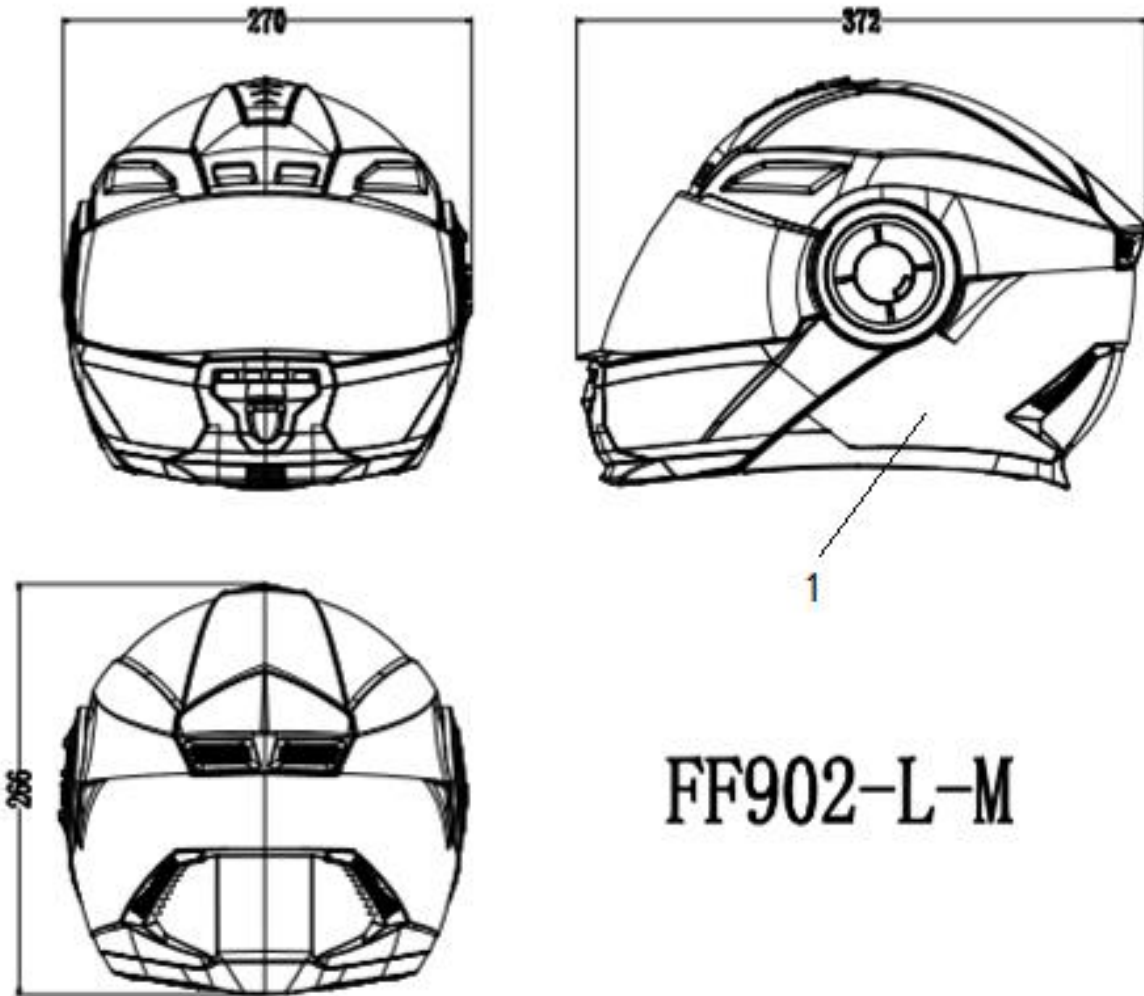


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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF902 L-M Shell		Code No.:	FF902.3.2	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019

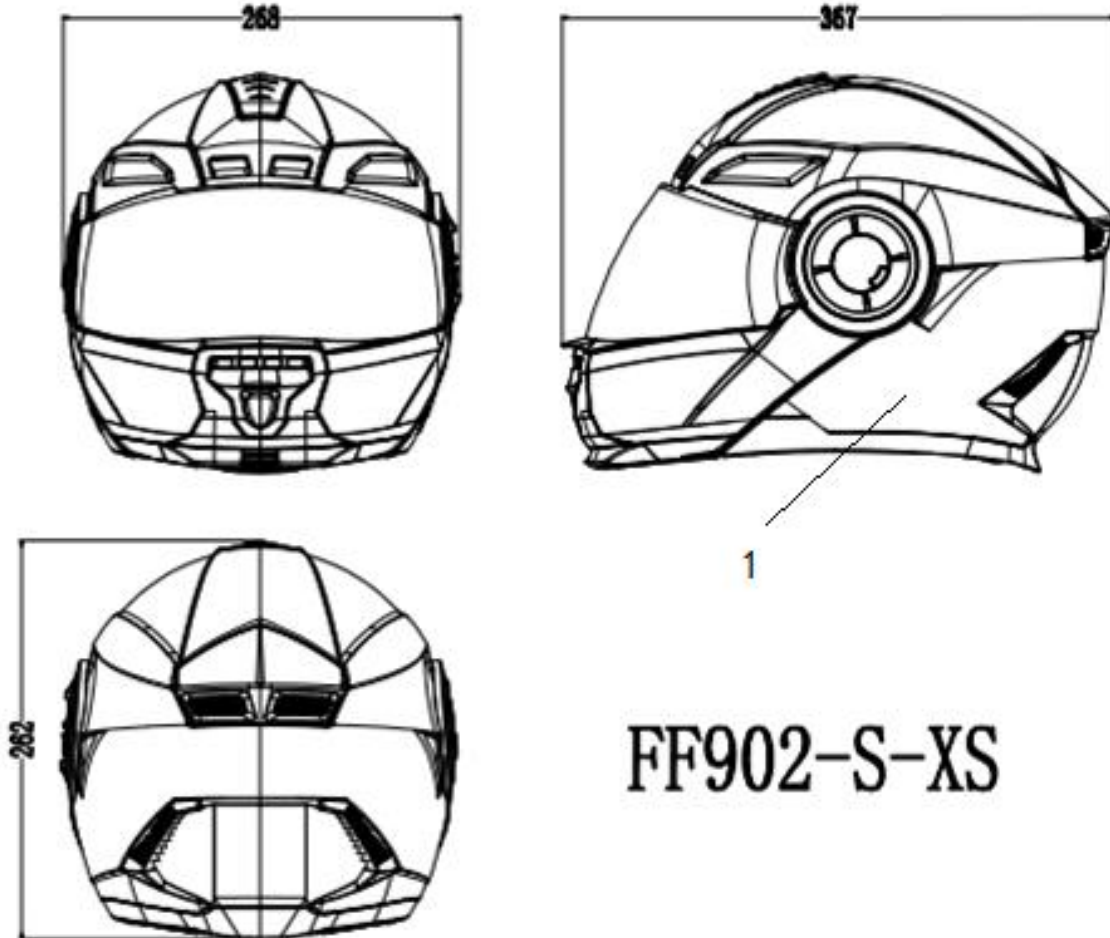


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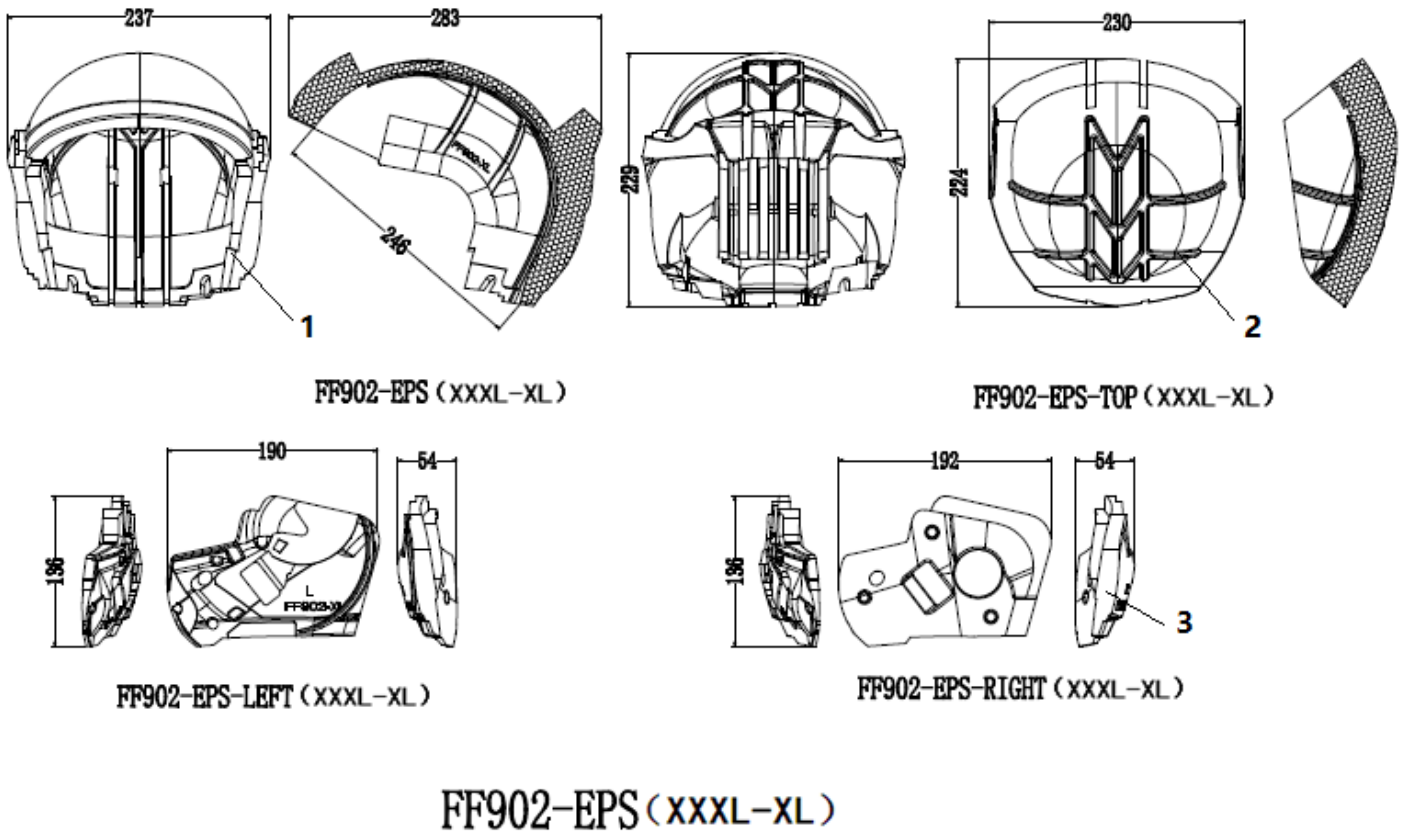


Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF902 S-XS Shell		Code No.:	FF902.3.3	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019



Annex 4: Drawing of the protective padding



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS	3	Ear Protective Padding	EPS
2	Top Outer Protective Padding	EPS			
Description	FF902 XXXL-XL Protective Padding		Code No.:	FF902.4.1	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	20.05.2019	Date:	20.05.2019	Date:	20.05.2019

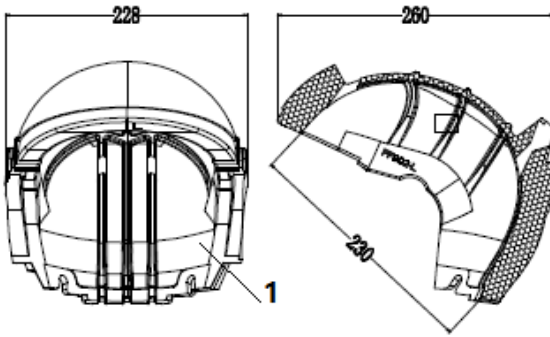


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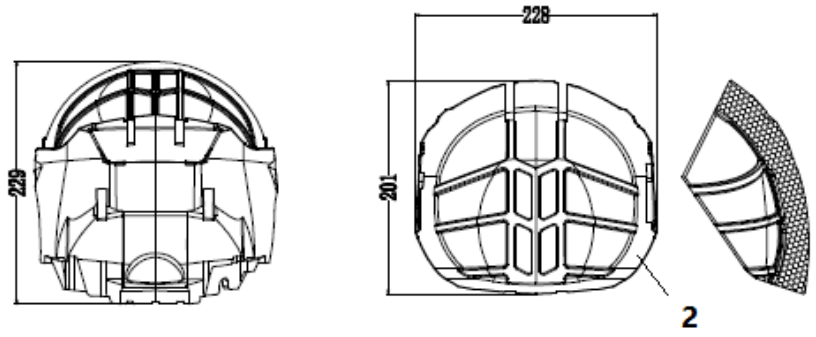
R22-FF902-01

Type : FF902
Manufacture : Jiangmen Pengcheng Helmets Co., Ltd.

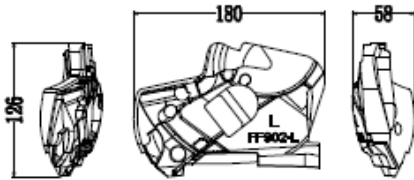
Date:20.05.2019
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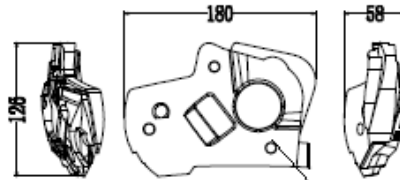
FF902-EPS (L)



FF902-EPS-TOP (L-M)



FF902-EPS-LEFT (L)



FF902-EPS-RIGHT (L)

FF902-EPS (L)

Unit: mm

Table with 6 columns: Number, Name, Parameter, Number, Name, Parameter. It lists parts 1 (Main Protective Padding), 2 (Top Outer Protective Padding), and 3 (Ear Protective Padding) with their respective parameters (EPS) and provides manufacturer, address, and drawing/signature information.

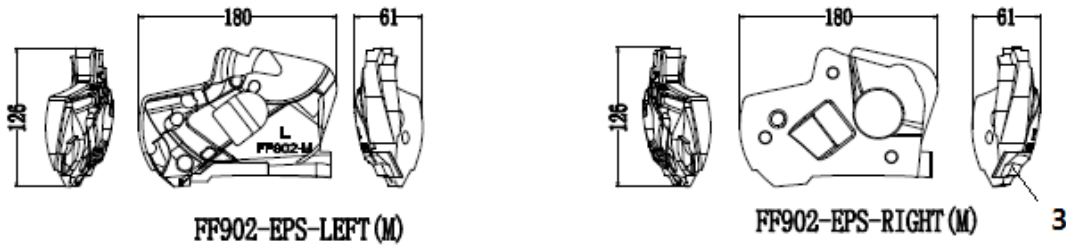
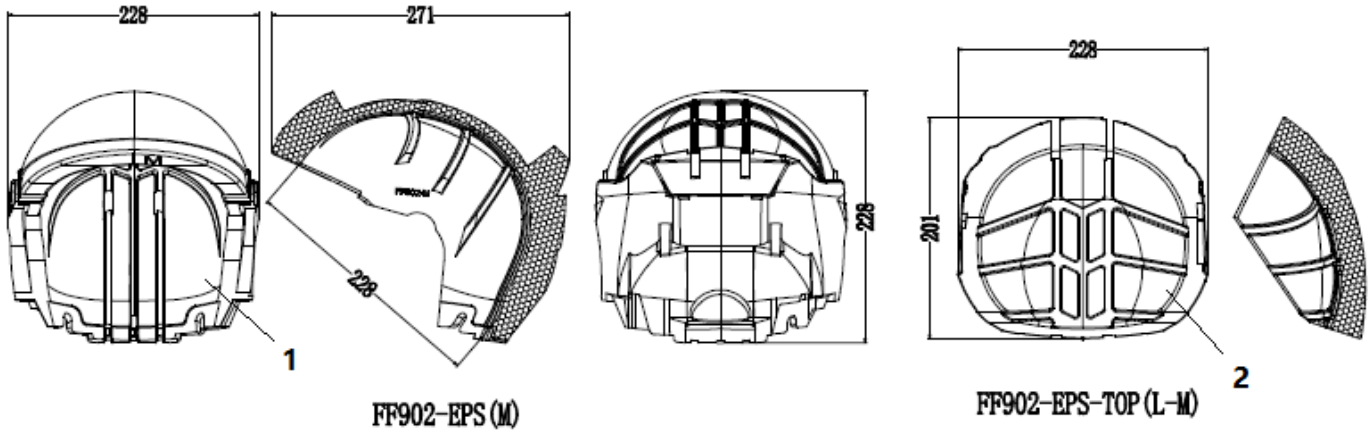


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FF902-EPS (M)

Unit: mm

Table with 6 columns: Number, Name, Parameter, Number, Name, Parameter. Rows include: 1 Main Protective Padding EPS, 2 Top Outer Protective Padding EPS, 3 Ear Protective Padding EPS, Description FF902 M Protective Padding Code No.: FF902.4.3, Manufacturer: Jiangmen Pengcheng Helmets Co., Ltd., Address: Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China, Drawn by: XinShengLiu Checked by: XinShengLiu Approved by: XingCheng, Date: 20.05.2019 Date: 20.05.2019 Date: 20.05.2019

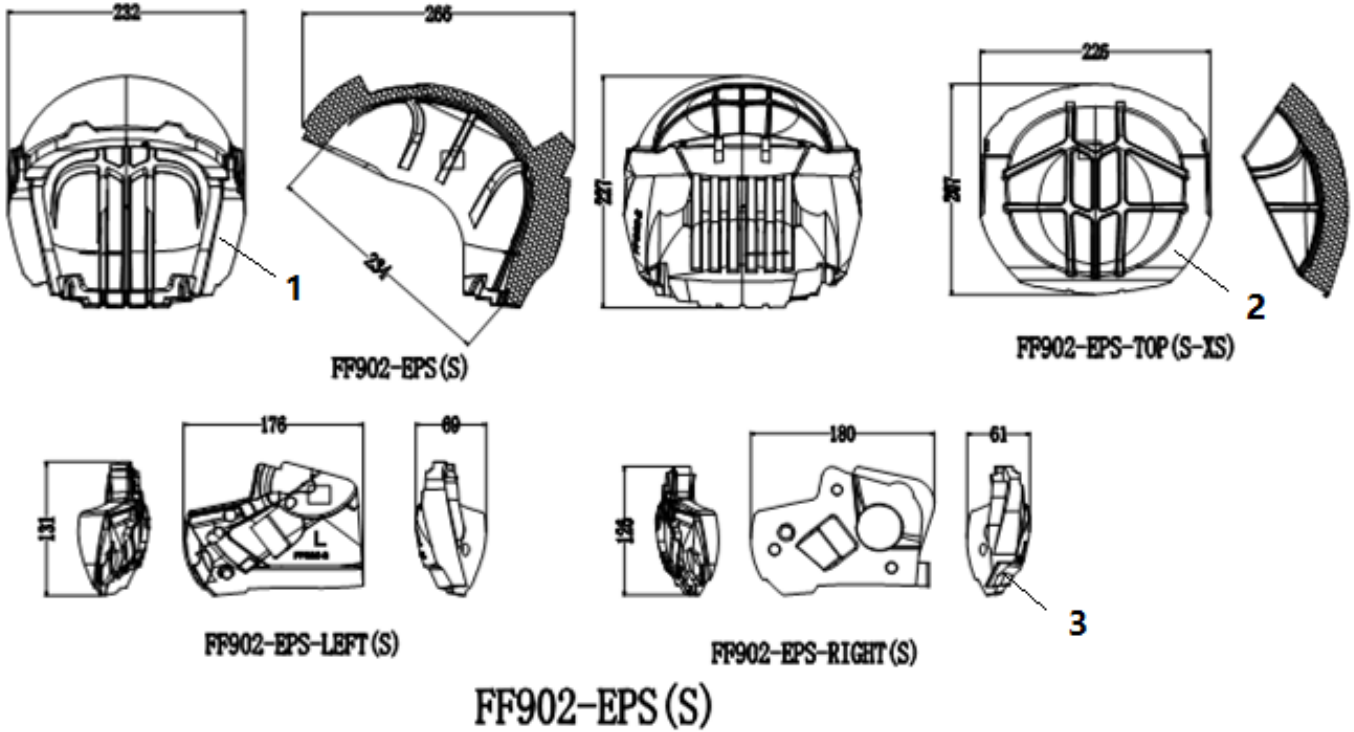


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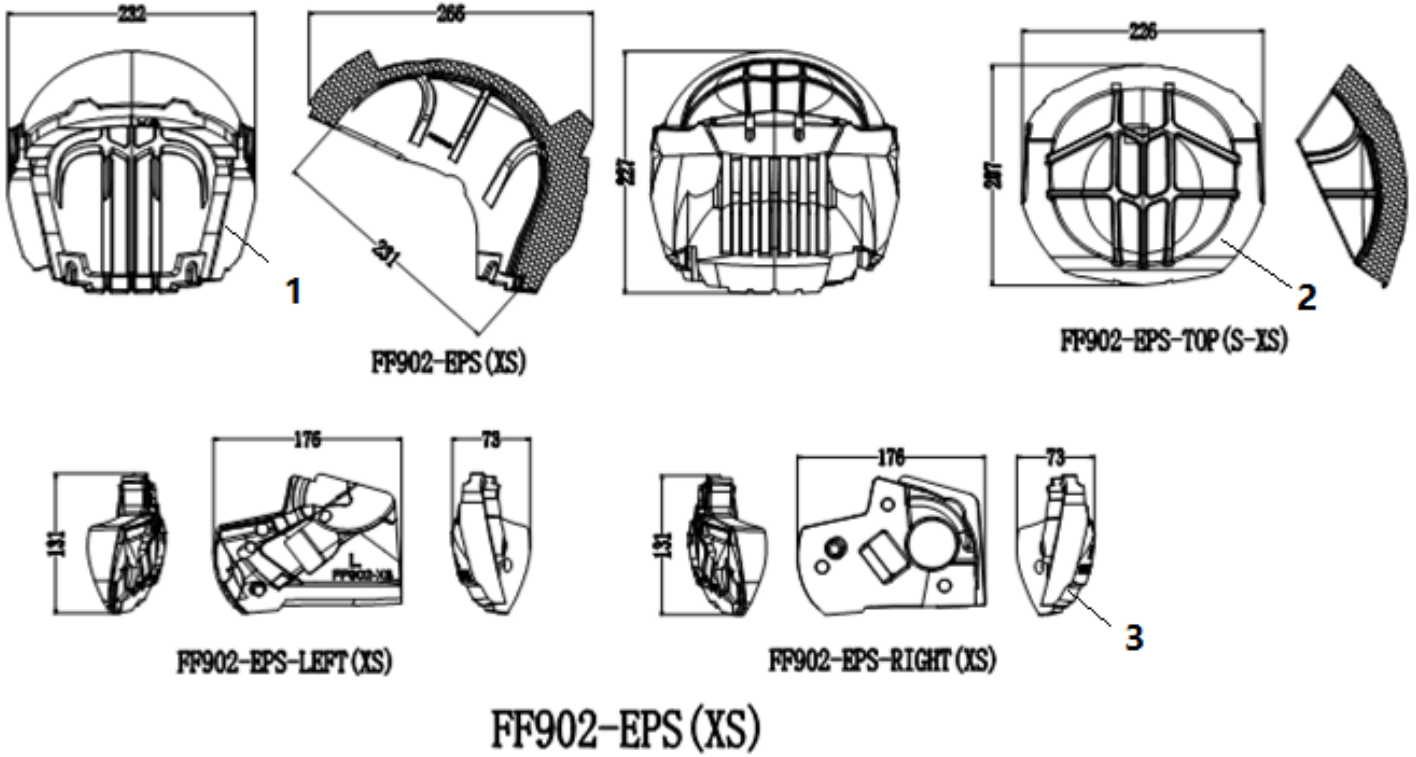
Unit: mm

Table with 6 columns: Number, Name, Parameter, Number, Name, Parameter. Rows include component details (Main Protective Padding, Top Outer Protective Padding, Ear Protective Padding), Description (FF902 S Protective Padding), Code No. (FF902.4.5), Manufacturer (Jiangmen Pengcheng Helmets Co., Ltd.), Address (Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China), and Drawn/Checked/Approved by (XinShengLiu, XingCheng) with dates (20.05.2019).



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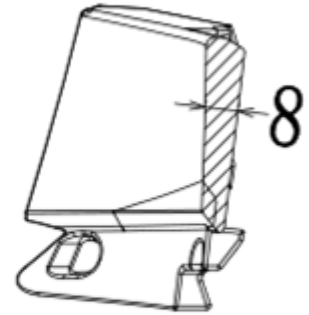
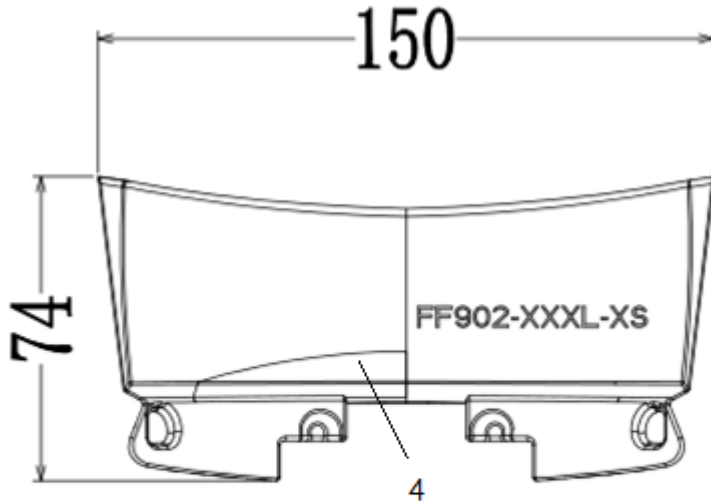
Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Main Protective Padding	EPS	3	Ear Protective Padding	EPS
2	Top Outer Protective Padding	EPS			
Description	FF902 XS Protective Padding		Code No.:	FF902.4.6	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	20.05.2019	Date:	20.05.2019	Date:	20.05.2019



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FF902-MIDDLE EPS-(XXXL-XS)

Unit: mm

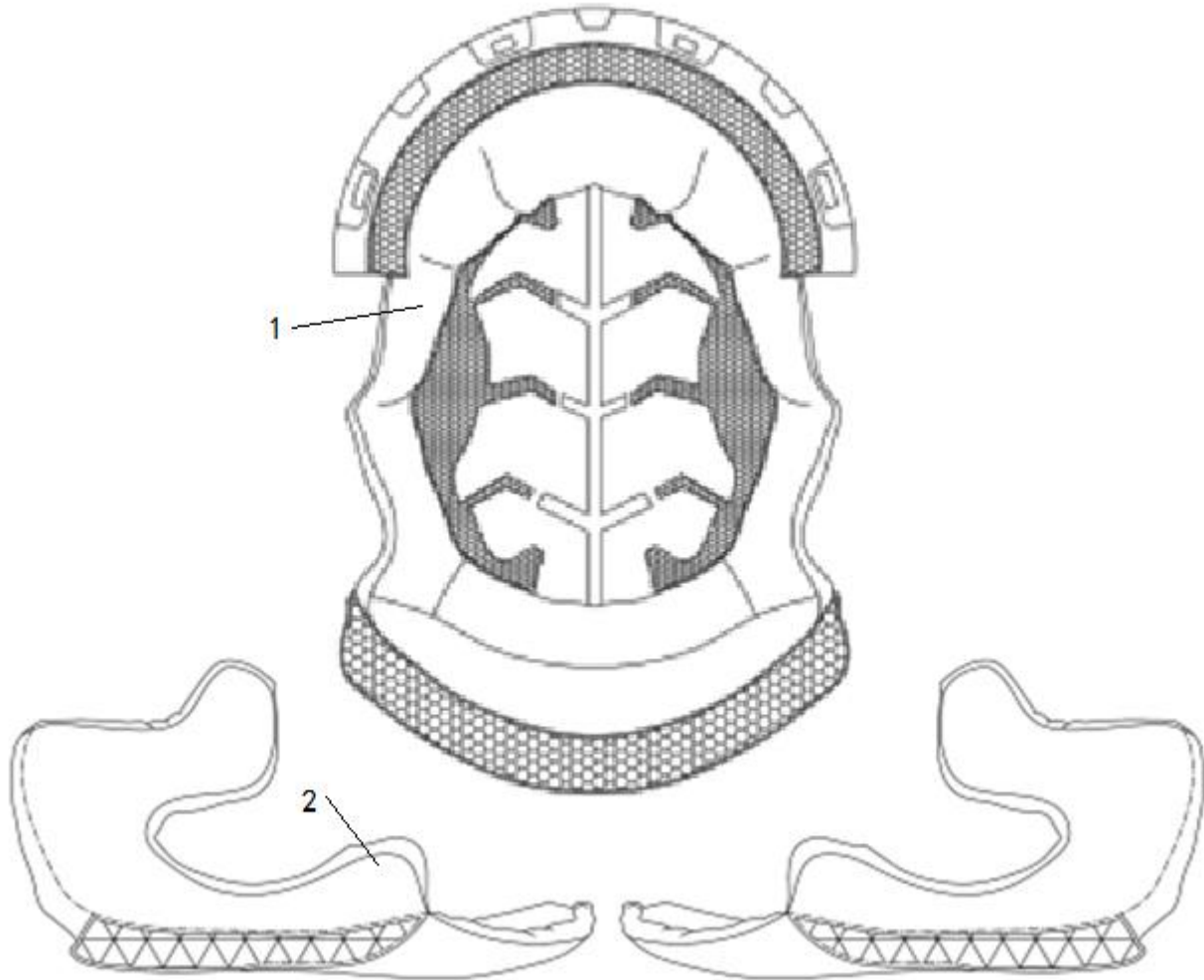
Number	Name	Parameter	Number	Name	Parameter
4	Mouth Protective Padding	EPS			
Description	FF902 XXXL-XS Mouth Protective Padding		Code No.:	FF902.4.4	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019



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Annex 5: Drawing of the comfort padding



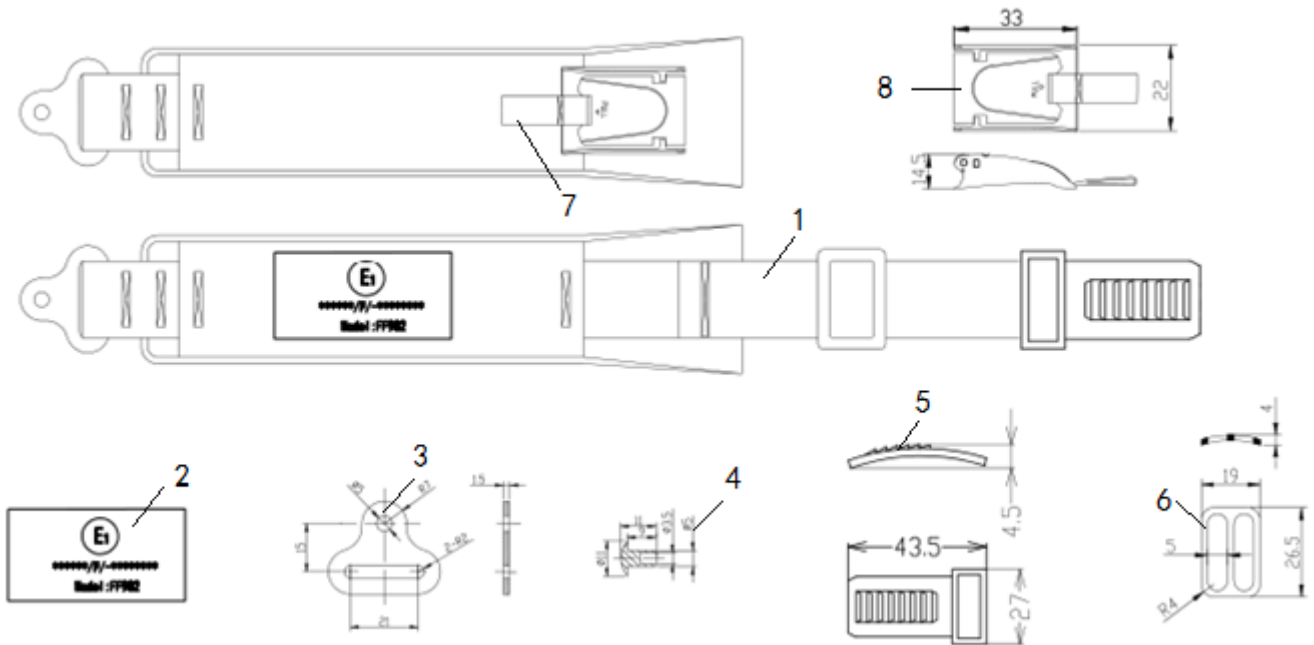
Number	Name	Material	Number	Name	Material
1	Comfort Padding	Compound sponge + Cloth	2	Ear Comfort Padding	Compound sponge + Cloth + PP
Description	FF902 Comfort Padding		Code No.:	FF902.5	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019



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Annex 6: Drawing of the retention system



Unit: mm

Number	Name	Material	Number	Name	Material
1	Chin Strap	Nylon	5	Slider Bar	Polycarbonate + Steel
2	ECE Marking	Cloth	6	"B" Ring	Nylon
3	Hinge	Steel	7	Red Small Strap	Nylon
4	Rivet	Steel	8	Quick Release Buckle	Polycarbonate + Steel
Description	FF902 Retention system (No.11 Buckle)		Code No.:	FF902.6.1	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019

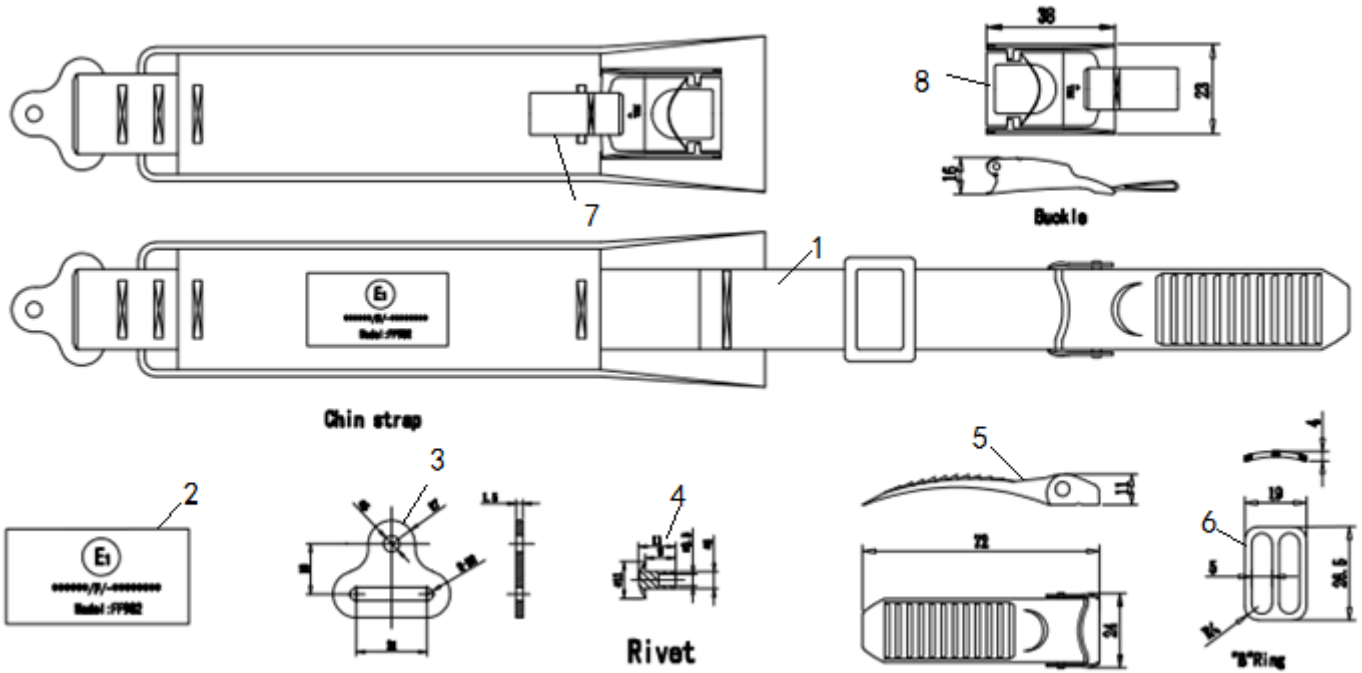
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Unit: mm

Number	Name	Material	Number	Name	Material
1	Chin Strap	Nylon	5	Slider Bar	Polycarbonate + Steel
2	ECE Marking	Cloth	6	"B" Ring	Nylon
3	Hinge	Steel	7	Red Small Strap	Nylon
4	Rivet	Steel	8	Quick Release Buckle	Polycarbonate + Steel
Description	FF902 Retention system (No.17 Buckle)		Code No.:	FF902.6.2	
Manufacturer:	Jiangmen Pengcheng Helmets Co., Ltd.				
Address:	Industrial Park East, Gonghe Town, Heshan City Guangdong Province, China				
Drawn by:	XinShengLiu	Checked by:	XinShengLiu	Approved by:	XingCheng
Date:	05.01.2019	Date:	05.01.2019	Date:	05.01.2019

Annex 7: Information for wearer

Congratulations on purchasing your new **LS2** helmet. Please read these instructions carefully before use. They contain valuable informations to help you obtain the most protection from your helmet and to ensure a longer life for your helmet. All our products come from the most advanced research in terms of active security and design. The very high level for aerodynamism and comfort will get you the best performances all along the road. Whatever can be your choice leisure, tourism, racing, one of the helmets from the LS2 range is the best solution for your active protection.

1. Read these instructions thoroughly before using your helmet for the first time and store them safely for future reference.
2. A helmet like all products may wear out over time depending upon its use and the amount of care that is given. Please check your helmet every time before use for damage and do not use a damaged helmet. The most known standards of homologation recommend a helmet life of five years. LS2 agrees with their recommendation even though your helmet does not show any signs of malfunction, visible damage or defect. We strongly recommend you replace your helmet five years after the original date of purchase. See also "ONE IMPACT RULE" of item 3 in this manual, which says clearly "helmet is designed to help absorb one impact".
3. If you have any questions or comments concerning this helmet, please contact your nearest LS2 dealer or agent. Note that these specifications are subject to change without notice, as we continually strive to improve our products.

HOW TO CHOOSE A HELMET AND WEAR IT CORRECTLY

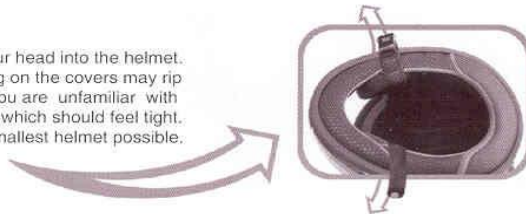
No helmet can protect the wearer against all foreseeable high speed and low speed impact, however, for maximum head protection the helmet must be of proper fit and the retention system must be securely fastened under the chin. Failure to have proper fit and to securely fasten the helmet is dangerous as the helmet could come off in an accident resulting in severe head injury or death.

1 To determinate proper fit.

- 1.1. Measure your head size. Wrap a tape measure horizontally around your head at the height of about 2,5 cm above your eyebrows. This will establish the longest measurement around your head.
- 1.2. Select the helmet that is the closest match to your head size. If your head size should fit between two helmet sizes, try on the smaller one first.

2 Try the helmet on

- 2.1. Expand the helmet opening by the straps, and slide your head into the helmet. Pull the chin straps only, not the chin straps cover, pulling on the covers may rip them. If the helmet is not tight, it is too big for you. If you are unfamiliar with helmets you may be reluctant to pull down the helmet which should feel tight. Even if you feel it is difficult to put it on, please use the smallest helmet possible.



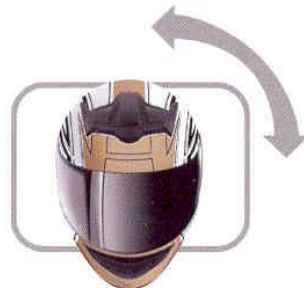
3 Check for a proper fit. With the helmet, go through the following checklist to determine whether the helmet is the correct size.

- 3.1. Make sure the inner lining fits snugly all around your head.
- 3.2. Make sure the top pad presses closely to the top of your head.
- 3.3. Check whether the cheek pads are in contact with your cheeks.
- 3.4. Make sure there is no space between inner lining and brow where you could insert your finger.
- 3.5. Now, take hold of the helmet with a hand on each side. Without moving your head, try to move the helmet up and down, and side to side. You should feel the skin of your head and face being pulled as you try to move the helmet. If you can move the helmet around easily, it is too big. Try a smaller size.



4 Check the retention system and go through the following steps.

- 4.1. Fasten the chinstrap as tight as possible without causing you pain (see diagram 2). There must be no slack in the strap and it must be tight up against your chin.
- 4.2. With the chinstrap secured, put your hands flat on the back of the helmet and try to push the helmet off by rotating forward.
- 4.3. Next, put your hands on the front of the helmet above your forehead (or on the chinguard) and try to push the helmet off by rotating it toward the rear.
- 4.4. If the helmet starts to come off in either direction, do not use the helmet, either the helmet is too large for you or the chin strap is not tightened enough.



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Tightening the chinstrap correctly is extremely important. Try to pull down on the chinstrap with the tips of your fingers if the strap is not against your chin or loosens, you have not properly put the strap through the D rings. Start again (see diagram 2) If your chinstrap is loose, the shock of an impact may knock your helmet off, leaving your head completely unprotected. Do not use a helmet that can be rolled off the head with the chinstrap fastened, since it may come off in an accident, resulting in death or serious personal injuries.



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D RING: To securely fasten the D ring retention system, thread the end of the chinstrap through the D rings only as shown in diagram 2 and put it tight against your throat. Clip the chin strap end hook on the D ring as shown in diagram 2 to secure the loose end of the chin strap after it's securely fastening the chin strap. The only function of the chinstrap end hook fitted on the end of the chinstrap is to avoid fluttering of the end part of the chinstrap.

Quick-release retention system: To fasten the strap, push the metal tongue firmly into the buckle until it locks with a click. Pull the strap tight and pass the end of the strap through the strap ring or ladder to secure it. To release the strap, press the two catches inward (or slide the catches down).

SAFETY RECOMMENDATIONS

1

No helmet can protect wearer against all foreseeable high speed and low speed impacts.

However, for maximum head protection, the helmet must be of proper fit and retention system must be securely fastened under the chin. The helmet should allow peripheral vision when secure on your head. If your helmet is too large, it may sleep or move on your head while riding which may make it possible for your helmet to come off in an accident or to obstruct your vision while riding. In the first case, your helmet will not protect your head in an accident, which can result in serious personal injury or death and in the second case, if you cannot see you may have an accident.

2

Use only a helmet that fits snugly all around your head, and fasten the chinstrap securely under your chin.

Expand the helmet opening with your hands, and slide your head into the helmet. Please check whether the helmet fits properly according to the checklist (paragraph 3, page 3). Pull the chinstraps only, not the chinstraps covers. Pulling on the covers may rip them; if the helmet is not tight, it is too big for you. To securely fasten the D ring retention system, thread the end of the chinstrap through the D rings only as shown, and pull it tight up against your throat. In the case of quick-release retention system, refer to upper paragraph. If your chinstrap is loose, the shock of an impact may knock your helmet off leaving your head completely unprotected resulting in serious personal injury or death.

3

Helmets are designed to help absorb ONE impact. After your helmet has protected you from an impact, you must get a new one.

Your helmet is designed to distribute the force incurred during an impact over a wide area. Even if your helmet looks undamaged externally its useful life is finished after one impact during riding, for example, a capsized or accident where you and your helmet hit the ground or some object. In an impact, the helmet's impact absorbing liner becomes compacted. Once this has happened, the helmet no longer has the ability to absorb further impacts. Your helmet may look the same, but it will not provide protection in an accident. If you have any doubts, for example, if you drop your helmet or if it is hit by something and you are not sure if this one impact rule applies, consult your LS2 dealer before you use the helmet again.



4

Clean your helmet carefully.

Never use hot or salt water, benzene, gasoline, glass cleaner or other solvents. 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 in serious personal injury or death. The correct way to clean a helmet is to mix 5 or 6 drops of mild soap in a quart of warm water. Dampen a soft cloth with this solution and wipe the helmet clean. Rinse with a wet cloth.

5

Never modify your helmet.

It is very dangerous to drill holes or cut the shell and/or the shock absorber liner. Modifications can seriously weaken the helmet. Modifying the retention system weakens it, and it may snap in an impact. Removing parts such as the mouth guard or rubber face trim can expose edges, which may injure you in an accident. Always use approved LS2 parts when replacing shields, screws, or any other parts. A weakened helmet will not provide protection.

6

Don't mistreat your helmet.

Never ride with the helmet hanging from the helmet holder, and don't hang the helmet from angled supports like a mirror. Don't sit on your helmet or throw it around. You should not expose the liner of your helmet to strong sunlight and excessive heat such as near heaters or where temperatures exceed 50° C (122 F). Avoid the spray of insect repellent chemicals (such as "naphthalene") near the helmet. Mistreating your helmet will damage the shell and impact absorbing liner and reduce the helmet's ability to protect you in an accident.

7

Always check your helmet before riding off.

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 cracks or damage, 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 that 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 resulting in serious personal injury or death.
4. Check the security of the retention system
5. Make sure that the center pad (or comfort liner) and the cheek pads are attached before you use the helmet.

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8

Maintain your helmet shield in good condition.

If your shield becomes too scratched or undeanable, replace it with a new one. Impaired visibility causes accidents. Clean your shield with mild soapy water, rinse well with clean water, and dry with a soft cloth. Never use benzene gasoline, glass cleaner or any other solvents. Do not attach stickers or adhesive tape to the shield, as this will weaken the hard coating. This can damage the shield. Do not drive with a dim or blurred face shield. Impaired vision can cause an accident resulting in serious personal injury or death.

9

Do not repaint the helmet.

We do not recommend you repaint the helmet, because paint and thinner can damage the materials used in the helmet construction. A helmet damaged weakened by a paint agent may not provide head protection in an accident resulting in serious personal injury or death. If you must paint your helmet, please consult your LS2 dealer.

10

Remember: helmets block important sounds and reduce awareness of environmental changes.

When you wear a helmet, especially a full-face type, you are somewhat isolated from the environment around you. Weather changes can catch you unprepared: sudden showers or temperature variations as you enter or leave tunnels or climb mountain roads can cause unexpected misting of your shield and loss of visibility. Do not drive with a fogged face shield. Wearing a helmet also reduces your ability to hear traffic sounds, especially of high speed. With a full face helmet, opening and closing the shield makes a major difference in how much you can hear. For safe riding be aware of how your helmet type, your speed, affects your perception of road conditions and whether your shield is open.

