Kraftfahrt-Bundesamt

DE-24932 Flensburg

E 1

MITTEILUNG

ausgestellt von:
Kraftfahrt-Bundesamt

über die Erteilung einer Genehmigung für einen Schutzhelmtyp mit einem Visiertyp(en) nach der Regelung Nr. 22 einschließlich Änderung Nr. 06 Ergänzung 03

COMMUNICATION

issued by:
Kraftfahrt-Bundesamt

concerning the granting of an approval of a type of protective helmet with one visor type(s) pursuant to Regulation No. 22 including amendment No. 06 supplement 03

Genehmigungsnummer: **E1*22R06/03*301293*00**
Approval number:

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

2. Typ:
Type:
FF820

3. Größen:
Sizes:
XXS(51-52),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

5. Anschrift:
Address:
Siehe Punkt 4.
See item 4.

elektronisch gesiegelt
Kraftfahrt-Bundesamt
09.07.2025
06:20:46 UTC
Typgenehmigung

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Genehmigungsnummer: **E1*22R06/03*301293*00**
Approval Number:

6. Name des Vertreters des Herstellers (gegebenenfalls):
Name of manufacturer's representative (if any):
Entfällt
Not applicable

7. Anschrift:
Address:
Siehe Punkt 6.
See item 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-124 (E1 R22 06301294)

11. Kurze Beschreibung des Visiers oder der Visiere:
Brief description of visor(s):
Siehe Anlagen
See enclosures

12. **Helm betriebsbereit für spezifisches Zubehör (SA)/betriebsbereit für universelles Zubehör (UA)**
Helmet ready for specific accessory (SA)/ready for universal accessories (UA)
Entfällt
Not applicable

13. In der Helmhomologation enthaltenes Zubehör und Funktionalität:
Accessories included in the helmet homologation and functionality:
Entfällt
Not applicable

14. Wenn UA-Helm:
If UA helmet:
Entfällt
Not applicable

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Genehmigungsnummer: **E1*22R06/03*301293*00**
Approval Number:

14.1. Falls das S40 oder das S45 Lautsprecher-Versuchsmuster für den Homologations-Test genutzt wurde:
If S40 or S45, speaker dummy used for the homologation test:
Entfällt
Not applicable

15. Zur Genehmigung vorgelegt am:
Submitted for approval on:
01.07.2025

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

17. Datum des Gutachtens des Technischen Dienstes:
Date of report issued by that service:
25.06.2025

18. Nummer des Gutachtens des Technischen Dienstes:
Number of report issued by that service:
HOM ECN T25/144-00

19. Bemerkung(en):
Remark(s):
Handelsbezeichnung(en):
General commercial description(s):
FF820, FF820-1, RAPID, RAPID III

20. Die Genehmigung wird **erteilt**
Approval is **granted**

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Genehmigungsnummer: **E1*22R06/03*301293*00**
Approval Number:

21. Ort: **DE-24932 Flensburg**
Place:

22. Datum: **07.07.2025**
Date:

23. Unterschrift: **Im Auftrag**
Signature:

(D. Stieglitz)

KRAFTFAHRT-BUNDESAMT 511

24. 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:

Anlagen:
Enclosures:
Gemäß Inhalsverzeichnis
According to index

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Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: **E1*22R06/03*301293*00**
To:

Erklärung über die Einhaltung der Anforderungen hinsichtlich der Übereinstimmung der Produktion gemäß dem Übereinkommen von 1958
Statement of compliance with the conformity of the production requirements of the 1958 Agreement

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

2. Datum der Anfangsbewertung:
   Date of the initial assessment:
   10.08.2015

3. Datum aller durchgeführten Überwachungstätigkeiten:
   Date of any surveillance activities:

Aktenzeichen Register number	Datum der Begehung Date of inspection	Genehmigungsnummer Approval number
CoP-Q: **Entfällt** **Not applicable**		
CoP-P: **P-501834** **P-503485**	 **12.06.2018** **17.03.2022**	 **05300517, Erweiterung 02** **E1*22R05/03*300584*02**

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Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: **E1*22R06/03*301293*00**
To:

Inhaltsverzeichnis zu den Beschreibungsunterlagen
Index to the information package

Ausgabedatum: Date of issue:	**07.07.2025**	Letztes Änderungsdatum: Last date of amendment:	**--**

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

Prüfbericht(e) Nr.: Test report(s) No.: **HOM ECN T25/144-00**	Datum: Date: **25.06.2025**
Beschreibungsbogen Nr.: Information document No.: **R22- FF820-00**	Datum: Date: **11.06.2025**
Liste der Änderungen: List of modifications: **Entfällt** **Not applicable**	Datum: Date:

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Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nummer der Genehmigung: **E1*22R06/03*301293*00**

- Anlage -

Nebenbestimmungen und Rechtsbehelfsbelehrung

Nebenbestimmungen

Diese Genehmigung wird unter der auflösenden Bedingung erteilt, dass bis zum 07.07.2026 der Prüfbericht zur Produktionsqualifizierung gemäß Nr. 9. der UN-Regelung Nr. 22 beim Kraftfahrt-Bundesamt eingereicht wird.

Jede Einrichtung, die dem genehmigten Typ entspricht, ist gemäß der angewendeten Vorschrift zu kennzeichnen.

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Änderungen an den Einzelerzeugnissen sind nur mit ausdrücklicher Zustimmung des Kraftfahrt-Bundesamtes gestattet.
Änderungen der Firmenbezeichnung, der Anschrift und der Fertigungsstätten sowie eines bei der Erteilung der Genehmigung benannten Zustellungsbevollmächtigten oder bevollmächtigten Vertreters sind dem Kraftfahrt-Bundesamt unverzüglich mitzuteilen.
Verstöße gegen diese Bestimmungen können zum Widerruf der Genehmigung führen und können überdies strafrechtlich verfolgt werden.

Die Genehmigung erlischt, wenn sie zurückgegeben oder entzogen wird, oder der genehmigte Typ den Rechtsvorschriften nicht mehr entspricht. Der Widerruf kann ausgesprochen werden, wenn die für die Erteilung und den Bestand der Genehmigung geforderten Voraussetzungen nicht mehr bestehen, wenn der Genehmigungsinhaber gegen die mit der Genehmigung verbundenen Pflichten - auch soweit sie sich aus den zu dieser Genehmigung zugeordneten besonderen Auflagen ergeben - verstößt oder wenn sich herausstellt, dass der genehmigte Typ den Erfordernissen der Verkehrssicherheit oder des Umweltschutzes nicht entspricht.

Das Kraftfahrt-Bundesamt kann jederzeit die ordnungsgemäße Ausübung der durch diese Genehmigung verliehenen Befugnisse, insbesondere die genehmigungsgerechte Fertigung sowie die Maßnahmen zur Übereinstimmung der Produktion, nachprüfen. Es kann zu diesem Zweck Proben entnehmen oder entnehmen lassen. Dem Kraftfahrt-Bundesamt und/oder seinen Beauftragten ist ungehinderter Zutritt zu Produktions- und Lagerstätten zu gewähren.

Die mit der Erteilung der Genehmigung verliehenen Befugnisse sind nicht übertragbar. Schutzrechte Dritter werden durch diese Genehmigung nicht berührt.

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.

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Approval No.: **E1*22R06/03*301293*00**

- Attachment -

Collateral clauses and instruction on right to appeal

Collateral clauses

This approval is issued under the dissolving condition that by the 07.07.2026 the test report of production qualification in accordance with UN Regulation No. 22, Paragraph 9, is submitted to the Kraftfahrt-Bundesamt.

All equipment which corresponds to the approved type is to be identified according to the applied regulation.

The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Kraftfahrt-Bundesamt.
Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorised representative named when the approval was granted is to be immediately disclosed to the Kraftfahrt-Bundesamt.
Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

The Kraftfahrt-Bundesamt may check the proper exercise of the conferred authority taken from this approval at any time. In particular this means the compliant production as well as the measures for conformity of production. For this purpose samples can be taken or have taken. The employees or the representatives of the Kraftfahrt-Bundesamt may get unhindered access to the production and storage facilities.

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

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.**

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Technical Report

V00

Test standard:
ECE Regulation No. 22

Level of amendment:
Supplement 3 to the 06 series of amendments

Title:
Protective helmets and their visors

Manufacturer:
Jiangmen Pengcheng Helmets Ltd.

Type:
FF820

Subject of testing:

Component

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Dieses Dokument wurde von der Gesellschaft im Rahmen ihrer Allgemeinen Geschäftsbedingungen für Dienstleistungen erstellt, die auf Anfrage erhältlich sind.
Es wird ausdrücklich auf die darin enthaltenen Regelungen zur Haftungsbeschränkung, Freistellung und zum Gerichtsstand hingewiesen.

Geschäftsführer: Dr Tomasz P Bednarczyk, Sitz der Gesellschaft: Sulzbach, HRB 977 Amtsgericht Saarbrücken

0 General:

0.1	Make (trade name of manufacturer):	KTM, LS2, MHR
0.2	Type:	FF820
0.2.1	Commercial description(s):	refer to information document
0.3	Means of identification of type, if marked on the vehicle / component / technical unit:	refer to information document
0.3.1	Location of that markings:	refer to information document
0.4	Category of vehicle:	n.a.
0.5	Manufacturer's name and address:	Jiangmen Pengcheng Helmets Ltd. No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China
0.8	Name(s) and address(es) of assembly plant(s):	Jiangmen Pengcheng Helmets Ltd. No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China
0.9	Name and address of representative:	n.a.
	Location of the approval mark:	refer to information document

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1 Appendices

1.1	Test Record	See appendix A
1.2	List of modifications	See appendix B

2 Attachments:

2.1	Information folder:	No.:	R22-FF820-00
		Date of issue:	11.06.2025

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3 Statement of conformity:

The information folder as mentioned under no. 2.1 and the object described therein are in compliance with the test standard mentioned above.

The test results relate only to the test specimen, as received.

The test specimen was/were selected as worst case from the information folder of the type acc.to SOP M3780, and on this basis, it is/they are representative for the type to be approved.

☐ EN ISO/IEC 17025 ☒ EN ISO/IEC 17020

Test Laboratory

SGS-TÜV Saar GmbH

notified by

KBA Kraftfahrt-Bundesamt, Germany **No. KBA-P 00084-10**	NSAI National Standards Authority of Ireland **No. 101**	RDW Rijksdienst voor het Wegverkeer, The Netherlands **No. 99050064 00**	TRANSPORT STYRELSEN, Sweden **No. TT 0015**

Formal review (Conformity Check) by:

Cinney Zhang

Authorized by expert:

Stephen He

TEST LABORATORY SGS TÜV SAAR ISO 17020/17025

Cinney Zhang

Stephen He

Guangzhou, 25.06.2025

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This document is issued by the Company subject to its General Conditions of Service (www.sgsgroup.de/agb). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. This document is an original. If the document is submitted digitally, it is to be treated as an original within the meaning of UCP 600. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
To assess the conformity, the laboratory refers to the "scope classification" of the Kraftfahrt-Bundesamt (KBA) – Federal Motor Transport Authority (in its valid version at the time of testing) and the specified consideration of the measurement uncertainty for the related test procedure.
In case the measurement uncertainty does not need to be considered according to the scope classification, the laboratory considers the result conform if its measured value is within the specification.
In case the measurement uncertainty does need to be considered according to the scope classification, the laboratory considers the result conform if its value incl. its measurement uncertainty is within the specification.

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Test record

1 Test object and measuring equipment

1.1 Test object

[x] Protective helmet
Visor: ☒ with ☐ without
Accessory: ☐ with ☒ without
[ ] Visor (protective screen)
[ ] Sun shield (additional tinted screen)
[ ] Helmet accessory

1.1.1 Protective Helmet

Type:	FF820
Sizes:	XXS(51-52),XS(53-54),S(55-56), M(57-58),L(59-60), XL(61-62), XXL(63-64),XXXL(65-66)
Helmet types:	[ ] (J) Jet
	[x] (P) Full face
	[ ] (NP) Jet
	[ ] (P/J) Modular helmet

1.1.2 Visor

Type:	FF-MHR-124
	Refer to approval no.:
	E1 R22 06301294

1.1.3 Sun shield n.a.

1.1.4 Helmet accessory n.a.

1.1.5 Remarks:

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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 22.06
1.2.2	Measurement procedure:	according to ECE Regulation No. 22.06

2 Test Results

2.1 Protective helmet

2.1.1 Marking (clause 4.1, 4.3, 4.4)

All required information, in accordance with the ECE R22.06, is given by the labels

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

2.1.2 Basic construction (clause 6.1)

Shell + Protective padding + Retention system

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

2.1.3 If fitted with non protective lower face cover (clause 6.2)

[ ] Marked "Does not protect chin from impacts"
[ ] Marked with symbol 
[x] n.a.

2.1.4 Component or device (Clause 6.3)

Not cause injury and the helmet still complies with the regulation.

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

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2.1.5	Extent of the protection (clauses 6.4, 6.5)	The shell and the protective padding cover all areas as required [x] fulfilled [ ] Not fulfilled [ ] n.a.
2.1.6	Projections / irregularities / sharp edges (clauses 6.6 to 6.8)	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. [x] fulfilled [ ] Not fulfilled [ ] n.a.
2.1.8	The various components (Clause 6.9)	Not liable to become easily detached as a result of an impact [x] fulfilled [ ] Not fulfilled [ ] n.a.

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2.1.9	Control/actuating device for the detachable or movable lower face cover (clause 6.12)	Maintains the intended position, impossible incorrect handling, in red color. [ ] fulfilled [ ] Not fulfilled [x] n.a.
2.1.10	Characteristics of the materials (Clause 6.13)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.1.11	No breakage or deformation after tests (Clause 6.14)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.1.12	Peripheral vision (clause 6.15)	
	Horizontal (≥105°):	[x] fulfilled [ ] Not fulfilled [ ] n.a.
	Upwards (≥7°):	[x] fulfilled [ ] Not fulfilled [ ] n.a.
	Downwards (≥45°):	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.1.13	Conspicuity marking (clause 6.18)	[ ] fulfilled [ ] Not fulfilled [x] n.a.

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2.1.14 Std Linear Impact (clause 7.3)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Size: 65-66 cm

Test Head Form: O (625 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
XXXL-1	Ambient-temperature and Hygrometry Conditioning	Kerbstone	B	7.59	135	983
		Kerbstone	X	7.62	211	1364
		Flat	P	7.62	195	1498
		Flat	R	7.65	105	511
XXXL-2	Ambient-temperature and Hygrometry Conditioning	Flat	B	7.59	175	1441
		Flat	X	7.55	211	1770
		Kerbstone	P	7.62	259	1334
		Kerbstone	R	7.62	142	907
XXXL-3	Heat Conditioning	Kerbstone	B	7.65	132	943
		Kerbstone	X	7.59	221	1373
		Kerbstone	P	7.62	217	1205
		Kerbstone	R	7.62	127	831
XXXL-4	Low-temperature Conditioning	Flat	B	7.65	169	1451
		Flat	X	7.59	216	1868
		Flat	P	7.62	196	1653
		Flat	R	7.62	100	524
		Flat	S	6.00	225	756
XXXL-5	Ultraviolet-radiation Conditioning and Moisture Conditioning.	Kerbstone	B	7.52	132	956
		Kerbstone	X	7.55	202	1282
		Flat	P	7.62	192	1526
		Flat	R	7.65	99	510

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Size: 59-60 cm Test Head Form: M (605 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
L-1	Ambient-temperature and Hygrometry Conditioning	Kerbstone	B	7.55	123	823
		Kerbstone	X	7.59	204	1289
		Flat	P	7.59	208	1861
		Flat	R	7.59	107	461
L-2	Ambient-temperature and Hygrometry Conditioning	Flat	B	7.59	154	1187
		Flat	X	7.52	215	1654
		Kerbstone	P	7.62	178	1240
		Kerbstone	R	7.59	135	906
L-3	Heat Conditioning	Kerbstone	B	7.52	123	802
		Kerbstone	X	7.55	231	1357
		Kerbstone	P	7.62	185	1234
		Kerbstone	R	7.59	146	956
L-4	Low-temperature Conditioning	Flat	B	7.62	164	1213
		Flat	X	7.59	209	1713
		Flat	P	7.62	201	1874
		Flat	R	7.59	108	466
		Flat	S	6.04	185	589
L-5	Ultraviolet-radiation Conditioning and Moisture Conditioning.	Kerbstone	B	7.59	122	832
		Kerbstone	X	7.59	218	1361
		Flat	P	7.59	200	1871
		Flat	R	7.55	110	481

Size: 57-58 cm Test Head Form: J (575 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
M-1	Heat Conditioning	Kerbstone	B	7.62	128	846
		Kerbstone	X	7.59	239	1484
		Kerbstone	P	7.62	197	1328
		Kerbstone	R	7.65	121	718
M-2	Low-temperature Conditioning	Flat	B	7.62	145	1098
		Flat	X	7.62	217	1731
		Flat	P	7.62	195	2018
		Flat	R	7.65	107	492
		Flat	S	6.02	130	443

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Size: 55-56 cm Test Head Form: E (535 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
S-1	Ambient-temperature and Hygrometry Conditioning	Kerbstone	B	7.59	141	1161
		Kerbstone	X	7.52	172	1192
		Flat	P	7.62	189	1966
		Flat	R	7.65	102	520
S-2	Ambient-temperature and Hygrometry Conditioning	Flat	B	7.62	174	1473
		Flat	X	7.62	200	1589
		Kerbstone	P	7.62	147	1110
		Kerbstone	R	7.65	70	315
S-3	Heat Conditioning	Kerbstone	B	7.55	136	1083
		Kerbstone	X	7.52	185	1217
		Kerbstone	P	7.59	140	1089
		Kerbstone	R	7.62	70	296
S-4	Low-temperature Conditioning	Flat	B	7.52	162	1342
		Flat	X	7.59	195	1531
		Flat	P	7.59	185	1956
		Flat	R	7.62	94	446
		Flat	S	6.06	124	431
S-5	Ultraviolet-radiation Conditioning and Moisture Conditioning.	Kerbstone	B	7.62	149	1272
		Kerbstone	X	7.59	184	1285
		Flat	P	7.59	191	1972
		Flat	R	7.59	110	559

Size: 51-52 cm Test Head Form: C (515 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
XXS-1	Heat Conditioning	Kerbstone	B	7.55	124	875
		Kerbstone	X	7.55	169	1171
		Kerbstone	P	7.59	172	1356
		Kerbstone	R	7.65	76	344
XXS-2	Low-temperature Conditioning	Flat	B	7.59	142	1037
		Flat	X	7.59	190	1567
		Flat	P	7.55	184	1895
		Flat	R	7.55	100	444
		Flat	S	6.02	168	766

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2.1.15 Linear Extra Point Impact (clause 7.3)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Size: 65-66 cm Test Head Form: O (625 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
XXXL-6	Ambient-temperature and Hygrometry Conditioning	Kerbstone	BXL	7.59	149	1047
		Kerbstone	RXPL	7.52	137	939
		Kerbstone	RXR	7.59	235	1516
		Kerbstone	BXPR	7.59	136	1039
XXXL-7	Ambient-temperature and Hygrometry Conditioning	Flat	BXL	7.55	189	1525
		Flat	RXPL	7.55	154	1247
		Flat	RXR	7.55	169	1445
		Flat	BXPR	7.55	204	2037

Size: 59-60 cm Test Head Form: M (605 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
L-6	Ambient-temperature and Hygrometry Conditioning	Kerbstone	BXL	7.62	152	1065
		Kerbstone	RXPL	7.55	139	1079
		Kerbstone	RXR	7.59	209	1355
		Kerbstone	BXPR	7.59	125	908
L-7	Ambient-temperature and Hygrometry Conditioning	Flat	BXL	7.62	185	1491
		Flat	RXPL	7.55	175	1535
		Flat	RXR	7.59	173	1506
		Flat	BXPR	7.62	198	1833

Size: 55-56 cm Test Head Form: E (535 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400
S-6	Ambient-temperature and Hygrometry Conditioning	Kerbstone	BXL	7.52	165	1158
		Kerbstone	RXPL	7.52	147	968
		Kerbstone	RXR	7.55	125	876
		Kerbstone	BXPR	7.59	139	1188
S-7	Ambient-temperature and Hygrometry Conditioning	Flat	BXL	7.59	195	1670
		Flat	RXPL	7.52	164	1445
		Flat	RXR	7.52	184	1571
		Flat	BXPR	7.55	199	2106

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2.1.16 Linear Hi/Low Energy Impact (clause 7.3)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Size: 65-66 cm Test Head Form: O (625 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤180g	HIC ≤1300
XXXL-8	Ambient-temperature and Hygrometry Conditioning	Flat	B	6.00	139	847
		Flat	X	6.02	143	843
		Flat	P	6.02	158	1067
		Flat	R	6.02	65	174

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2880
XXXL-9	Ambient-temperature and Hygrometry Conditioning	Flat	B	8.22	190	1706
		Flat	X	8.20	229	2237
		Flat	P	8.20	192	1574
		Flat	R	8.29	120	764

Size: 59-60 cm Test Head Form: M (605 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤1300
L-8	Ambient-temperature and Hygrometry Conditioning	Flat	B	6.02	126	738
		Flat	X	6.02	146	869
		Flat	P	6.02	164	1281
		Flat	R	6.04	93	225

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤180g	HIC ≤2880
L-9	Ambient-temperature and Hygrometry Conditioning	Flat	B	8.26	190	1663
		Flat	X	8.26	224	1922
		Flat	P	8.26	225	2264
		Flat	R	8.26	122	774

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Size: 55-56 cm Test Head Form: E (535 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤1300
S-8	Ambient-temperature and Hygrometry Conditioning	Flat	B	6.04	146	946
		Flat	X	6.00	144	809
		Flat	P	6.00	149	1119
		Flat	R	6.06	70	293

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤180g	HIC ≤2880
S-9	Ambient-temperature and Hygrometry Conditioning	Flat	B	8.22	187	1804
		Flat	X	8.20	240	1957
		Flat	P	8.26	204	2344
		Flat	R	8.26	110	774

2.1.17 Test method for projections and surface friction

[ ] Procedure A (7.4.1)
[x] Procedure B (7.4.2)

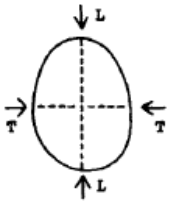
Helmet No.	Condition	Helmet Size (cm)	Projections	Friction
M-6	Ambient-temperature and Hygrometry Conditioning	57-58	Pass	Pass

2.1.18 Test for Projections of the Category P/J with Movable Lower Face Cover (clause 7.4.3)

[ ] fulfilled
[ ] Not fulfilled
[x] n.a.

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2.1.19 Rigidity test (clause 7.5)



[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Helmet No.	Condition	Helmet Size (cm)	Direction	Max. deformation (≤ 40 mm)	Residual deformation (≤ 15 mm)
XXXL-12	Ambient-temperature and Hygrometry Conditioning	65-66	Longitudinal axis	13.6	5.2
XXXL-13	Ambient-temperature and Hygrometry Conditioning	65-66	Transverse axis	11.3	1.5
L-12	Ambient-temperature and Hygrometry Conditioning	59-60	Longitudinal axis	13.4	4.7
L-13	Ambient-temperature and Hygrometry Conditioning	59-60	Transverse axis	12.6	1.8
S-12	Ambient-temperature and Hygrometry Conditioning	55-56	Longitudinal axis	12.5	2.1
S-13	Ambient-temperature and Hygrometry Conditioning	55-56	Transverse axis	14.8	2.5

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2.1.20 Oblique Impact test (clause 7.13)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Size: 65-66 cm Test Head Form: O (625 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	PRA ≤10400 rad/s²	BrIC ≤0.78
XXXL-10	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front lateral right (45°)	8.02	3066	0.35
		45° Anvil	Rear (180°)	8.03	2574	0.28
		45° Anvil	Lateral left (270°)	8.00	1695	0.10
XXXL-11	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front (0°)	8.11	3321	0.32
		45° Anvil	Rear lateral right (135°)	8.07	2894	0.29

Size: 59-60 cm Test Head Form: M (605 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	PRA ≤10400 rad/s²	BrIC ≤0.78
L-10	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front lateral right (45°)	8.02	2941	0.32
		45° Anvil	Rear (180°)	8.03	2736	0.43
		45° Anvil	Lateral left (270°)	8.00	2803	0.26
L-11	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front (0°)	8.00	3284	0.40
		45° Anvil	Rear lateral right (135°)	8.07	3907	0.51

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Size: 55-56 cm

Test Head Form: E (535 mm)

Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	PRA ≤10400 rad/s²	BrIC ≤0.78
S-10	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front lateral right (45°)	8.03	4050	0.48
		45° Anvil	Rear (180°)	8.02	3673	0.37
		45° Anvil	Lateral left (270°)	8.07	3359	0.33
S-11	Ambient-temperature and Hygrometry Conditioning	45° Anvil	Front (0°)	8.11	4574	0.49
		45° Anvil	Rear lateral right (135°)	8.07	4783	0.50

2.2 Retention system

2.2.1 The retention system is protected from abrasion (clause 6.10)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

2.2.2 Chin strap (clause 6.11.1, 6.11.2)

The width of the chin strap is more than 20 mm under load of 150 N and it doesn't include a chin-cup.

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

2.2.3 Adjustment device (clause 6.11.3)

The retention system includes a device to adjust and maintain tension.

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

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2.2.4	Fastening devices (clauses 6.11.4 to 6.11.9)	The requirements for fastening devices and release mechanisms are in accordance to the requirements of the test standard. [x] fulfilled [ ] Not fulfilled [ ] n.a.
2.2.5	Pulling flap (clauses 6.11.6)	In red and its dimensions more than 10 x 20mm [x] fulfilled [ ] Not fulfilled [ ] n.a.
2.2.6	Dynamic Test of the Retention System (clause 7.6)	[x] fulfilled [ ] Not fulfilled [ ] n.a.

Double-D ring with 25mm Chin strap

Helmet No.	Condition	Helmet Size (cm)	Dynamic displacement (≤ 35 mm)	Residual displacement (≤ 25 mm)
XL-3	Ambient-temperature and Hygrometry Conditioning	61-62	27.4	12.3
M-5	Ambient-temperature and Hygrometry Conditioning	57-58	30.5	15.6
XXS-3	Ambient-temperature and Hygrometry Conditioning	51-52	34.6	17.4

No.22 quick release mechanism with 22mm Chin strap

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Helmet No.	Condition	Helmet Size (cm)	Dynamic displacement (≤ 35 mm)	Residual displacement (≤ 25 mm)
XL-1	Ambient-temperature and Hygrometry Conditioning	61-62	27.4	10.4
M-3	Ambient-temperature and Hygrometry Conditioning	57-58	29.2	14.2
XXS-1	Ambient-temperature and Hygrometry Conditioning	51-52	32.8	15.2

No.23 quick release mechanism with 22mm Chin strap

Helmet No.	Condition	Helmet Size (cm)	Dynamic displacement (≤ 35 mm)	Residual displacement (≤ 25 mm)
XL-2	Ambient-temperature and Hygrometry Conditioning	61-62	27.9	11.2
M-4	Ambient-temperature and Hygrometry Conditioning	57-58	29.4	14.5
XXS-2	Ambient-temperature and Hygrometry Conditioning	51-52	32.0	14.8

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2.2.7 Retention (detaching) test (clause 7.7)

[x] fulfilled
[ ] Not fulfilled
[ ] n.a.

Double-D ring with 25mm Chin strap

Helmet No.	Condition	Helmet Size (cm)	Movement of the reference line (≤ 30°)	
			Backward	Frontward
XL-3	Ambient-temperature and Hygrometry Conditioning	61-62	8°	18°
M-5	Ambient-temperature and Hygrometry Conditioning	57-58	12°	21°
XXS-3	Ambient-temperature and Hygrometry Conditioning	51-52	11°	27°

No.22 quick release mechanism with 22mm Chin strap

Helmet No.	Condition	Helmet Size (cm)	Movement of the reference line (≤ 30°)	
			Backward	Frontward
XL-1	Ambient-temperature and Hygrometry Conditioning	61-62	11°	18°
M-3	Ambient-temperature and Hygrometry Conditioning	57-58	14°	23°
XXS-1	Ambient-temperature and Hygrometry Conditioning	51-52	11°	26°

No.23 quick release mechanism with 22mm Chin strap

Helmet No.	Condition	Helmet Size (cm)	Movement of the reference line (≤ 30°)	
			Backward	Frontward

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XL-2	Ambient-temperature and Hygrometry Conditioning	61-62	10°	18°
M-4	Ambient-temperature and Hygrometry Conditioning	57-58	14°	23°
XXS-2	Ambient-temperature and Hygrometry Conditioning	51-52	23°	29°

2.2.8	Micro-slip test of the chin strap (clause 7.10)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
	Slippage of chin strap: (≤ 10mm):	Type 1: 3.24 mm Type 2: 4.48 mm Type 3: 3.69 mm
2.2.9	Chin strap, resistance to abrasion test (clause 7.11)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.2.9.1	Chin strap, withstand a tension of 3 kN (clause 7.11.5)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.2.10	Retention systems relying on quick-release mechanisms (clause 7.12)	
2.2.10.1	Inadvertent release by pressure (clause 7.12.1)	[ ] fulfilled [ ] Not fulfilled [x] n.a.
2.2.10.2	Ease of release (clause 7.12.2)	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.2.10.3	Durability of quick-release mechanisms (clause 7.12.3)	[x] fulfilled [ ] Not fulfilled

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		[ ] n.a.
2.3	**Visor**	[ ] n.a. (no visor) [x] n.a. (visor separately approved) Type: FF-MHR-124 (E1 R22 06301294)
2.4	**Sun shield**	[x] n.a. (no sun shield) [ ] n.a. (separately approved)
2.5	**Information for wearers** (clauses 14.1 to 14.6)	
2.5.1	Every protective helmet placed on the market shall bear a clearly visible label with the following inscription in the national language, or at least one of the national languages, of the country of destination: *"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"* and, 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	[x] fulfilled [ ] Not fulfilled [ ] n.a. [ ] fulfilled [ ] Not fulfilled [x] n.a.
2.5.2	and, if hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions affect the shell material adversely *"'Warning' - Do not apply paint, stickers, petrol or other solvents to this helmet"*	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.5.3	Every protective helmet shall be clearly marked with its size and its maximum	[x] fulfilled [ ] Not fulfilled

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	weight, to the nearest 50 grammes, as placed on the market. The maximum weight quoted should include all the accessories that are supplied with the helmets, within the packaging, as it is placed on the market, whether or not those accessories have actually been fitted to the helmet.	[ ] n.a.
2.5.4	Every protective helmet offered for sale shall bear a label showing the type or types of visor that have been approved at the manufacturer's request.	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.5.5	Every visor offered for sale shall bear a label showing the types of protective helmet for which it has been approved	[ ] fulfilled [ ] Not fulfilled [x] n.a.
2.5.6	Every visor placed on the market with a protective helmet shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain:	
2.5.6.1	General Instruction for Storage and Care	[x] fulfilled [ ] Not fulfilled [ ] n.a.

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2.5.6.2	Specific instructions for cleaning and their notice of use. These instructions shall include a warning regarding the dangers of using unsuitable agents for cleaning (such as solvents), especially if abrasion resistant coatings are to be preserved.	[x] fulfilled [ ] Not fulfilled [ ] n.a.
2.5.6.3	Advice as to the suitability of the visor for use in conditions of poor visibility and during the hours of darkness. The following warning shall be included: Visors with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility.	[ ] fulfilled [ ] Not fulfilled [x] n.a.
2.5.6.4	If appropriate, the following warning shall also be included The fastening of this visor is such that it will 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.	[ ] fulfilled [ ] Not fulfilled [x] n.a.
2.5.6.5	If the visor is MIST RETARDANT approved it may be indicated	[ ] fulfilled [ ] Not fulfilled [x] n.a.
2.5.6.6	Instructions regarding the detention of obsolescence	[x] fulfilled [ ] Not fulfilled [ ] n.a.

3 Other information

Place of testing:	SGS CSTC Guangzhou, P.R. China
Date of testing:	From 15.05.2025 to 09.06.2025

4 Remarks: ---

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List of modifications:

1	Correction of:	- - -
2	Modification of:	- - -
3	Addition of:	- - -
4	Deletion of:	- - -

- End of Technical Report -

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INFORMATION DOCUMENT

No.: R22-FF820-00

Jiangmen Pengcheng Helmets Ltd.

TYPE: FF820

Protective helmet pursuant to

Regulation No. 22

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

Signature of a responsible person:

Date: 11.06.2025

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0 GENERAL INFORMATION

0.1	Make (trade name of manufacturer)	:	KTM, LS2, MHR
0.2	Type	:	FF820
0.2.1	Commercial description	:	FF820, FF820-1, RAPID, RAPID III
0.3	Variants / Versions	:	n.a.
0.4	Name and address of manufacturer	:	Jiangmen Pengcheng Helmets Ltd. No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China
0.5	Name and address of assembly plant	:	Jiangmen Pengcheng Helmets Ltd. No.01-7, Dongsheng Road, 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 5
0.8	Trademark location	:	

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) (cm)	:	XXS(51-52),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
1.2	Description of the visor	:	Visor type: FF-MHR-124 Approval No.: E1 R22 06301294
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 2
1.4	Description of protective padding		
1.4.1	Composition	:	Expanded polystyrene
1.4.2	Density and weight	:	

Size (cm)	Shell Size	Comfort padding thickness (Main) (mm)	Protective padding Density (Main +Top+Back+ Chin+Middle) (Kg/m3)	EPS Padding Thickness (mm)	Protective padding Weight (Main +Top +Back+ Chin+Middle) (grams)
XXS(51-52)	S-XXS	12	35+25+30+40+80	30-35	61.5+43+3+35+5
XS(53-54)	S-XXS	12	40+30+30+50+80	30-35	69+60+3+42+5
S(55-56)	S-XXS	8	40+30+30+50+80	30-35	64+60+3+40+5
M(57-58)	L-M	12	40+30+30+50+80	30-35	58+63.5+3+37+5
L(59-60)	L-M	8	55+35+30+65+80	30-35	75.5+79+3+40+5
XL(61-62)	XXXL-XL	12	60+40+30+70+80	30-35	98.5+95+3+44+5
XXL(63-64)	XXXL-XL	10	60+40+30+70+80	30-35	98.5+95+3+44+5
XXXL(65-66)	XXXL-XL	8	60+40+30+70+80	30-35	98.5+95+3+44+5

1.4.3	Drawing of the protective padding	:	See annex 3

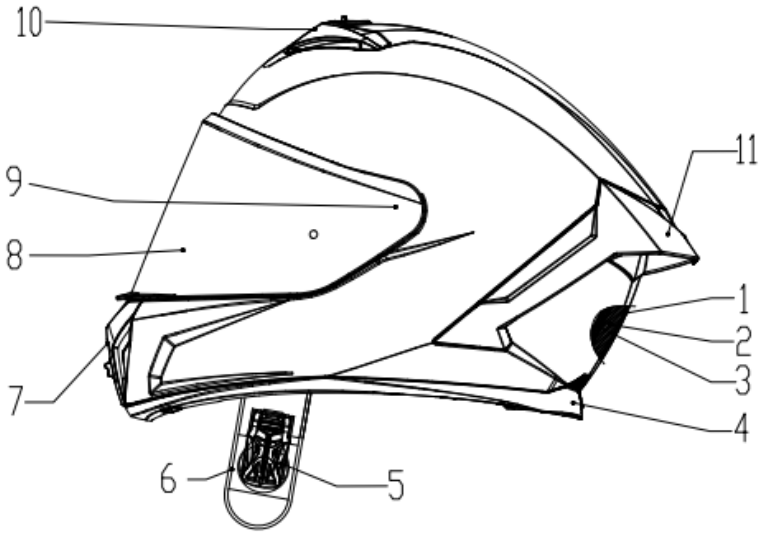
1.5	Description of comfort padding		
1.5.1	Composition of		
	Comfort padding	:	Compound sponge
	Comfort tissue	:	Nylon
	Protection of the back of the nape	:	Sponge, textile and leather
	Lateral packing	:	EPS and compound sponge
	Lower face cover	:	EPS and PU
1.5.2	Drawing of the comfort padding	:	See annex 4
1.6	Description of the retention system		
1.6.1	Chin strap		
	Material	:	Nylon
	Width	:	22 mm
1.6.2	Retention system	:	Type 1: Double-D ring with 25mm Chin strap Type 2: No.22 quick release mechanism with 22mm Chin strap Type 3: No.23 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 5
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
	Production year	:	On the Warning label
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 6
1.8.2.2	Position	:	Hang on chin strap

ANNEXS

Annex 1	Drawing of the helmet	11.06.2025
Annex 2	Drawing of the shell	11.06.2025
Annex 3	Drawing of the protective padding	11.06.2025
Annex 4	Drawing of the comfort padding	11.06.2025
Annex 5	Drawing of the retention system	11.06.2025
Annex 6	Information for wearer	11.06.2025

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Annex 1: Drawing of the helmet



序号 number	名称 name	单位 unit	数量 piece	材料 material
11	尾翼 tail fin	套 set	1	PC
10	前风窗 top vent	套 set	1	PC
9	底座 Ratchet system	套 set	2	POM
8	镜片 visor	个 piece	1	PC
7	下巴风窗 mouth vent	套 set	1	PC
6	帽带 chin strap	条 unit	2	NYLON
5	快速扣/D型平面铁环扣 buckle/Double"D"ring	套 set	1	A3/ STAINLESS STEEL
4	底胶条 rubber ring	条 unit	1	PP
3	内衬 comfort padding	套 set	1	NYLON
2	泡沫 protective padding	个 piece	4	EPS
1	壳体 Outer shell	个 piece	1	ABS

MODEL	FF820							
SIZE	XXXL	XXL	XL	L	M	S	XS	XXS
CM	66-65	64-63	62-61	60-59	58-57	56-55	54-53	52-51

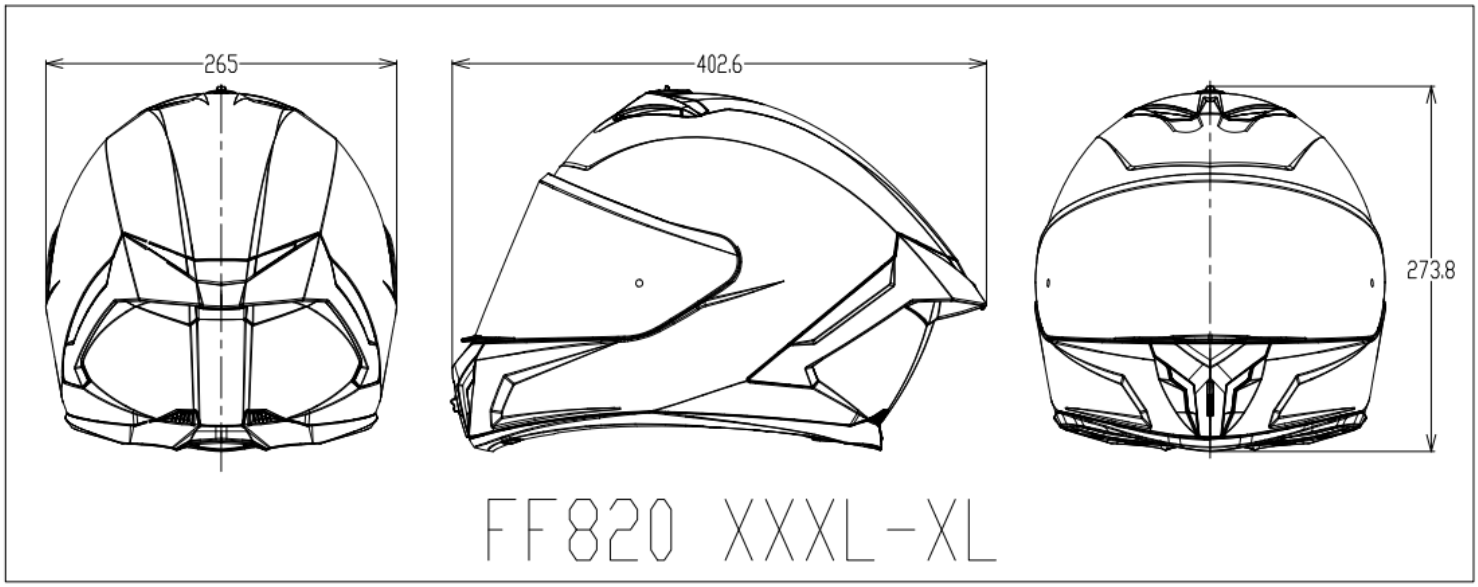
技术要求 technical requirement

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

Description	FF820 Helmet		**Code No.:**		FF820.1.1
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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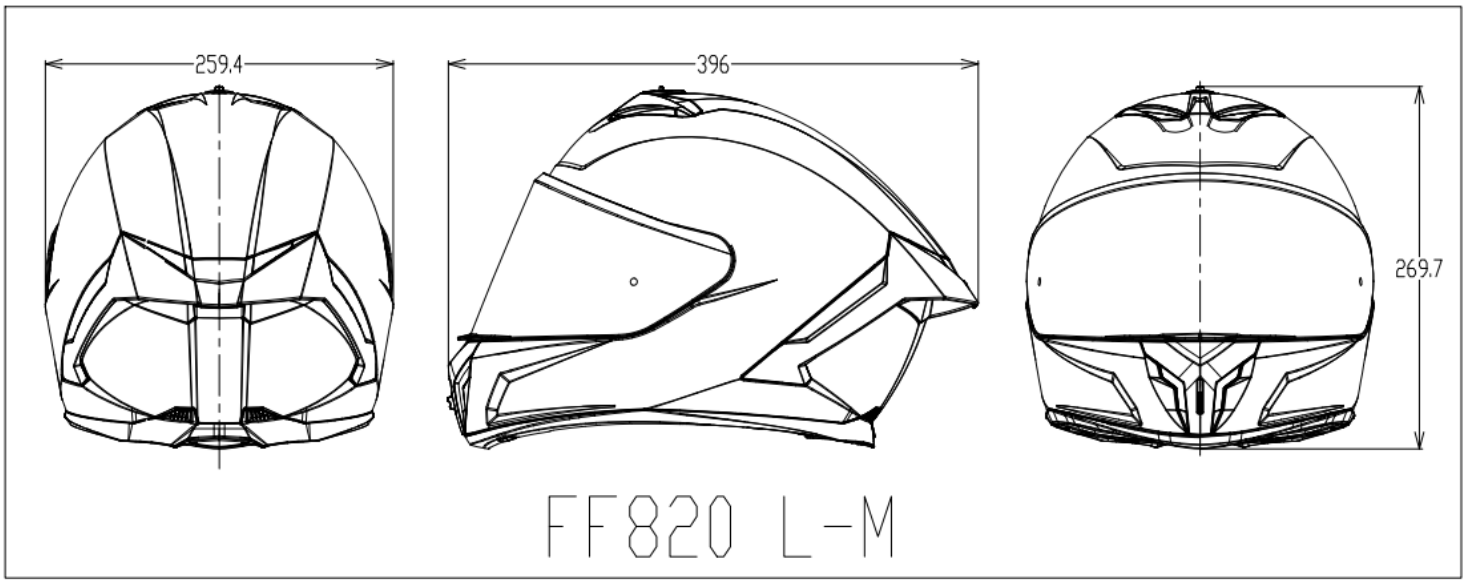
Annex 2: Drawing of the shell



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF820 XXXL-XL Shell		**Code No.:**	FF820.2.1	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

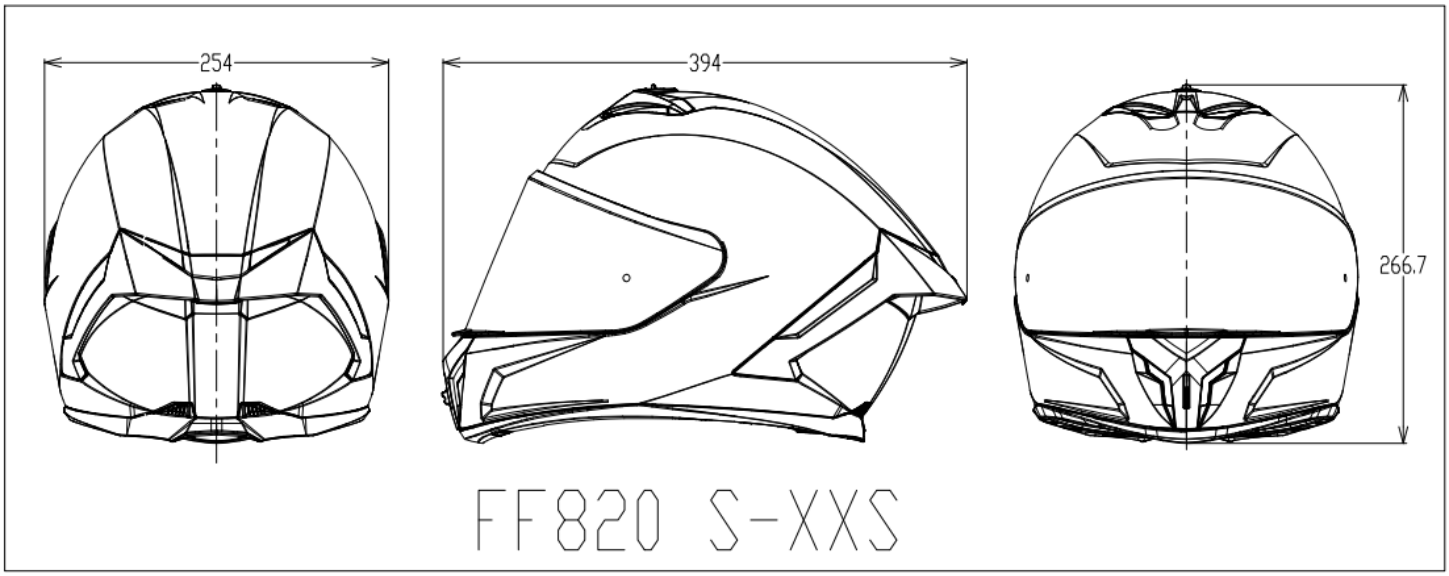
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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF820 L-M Shell		**Code No.:**	FF820.2.2	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

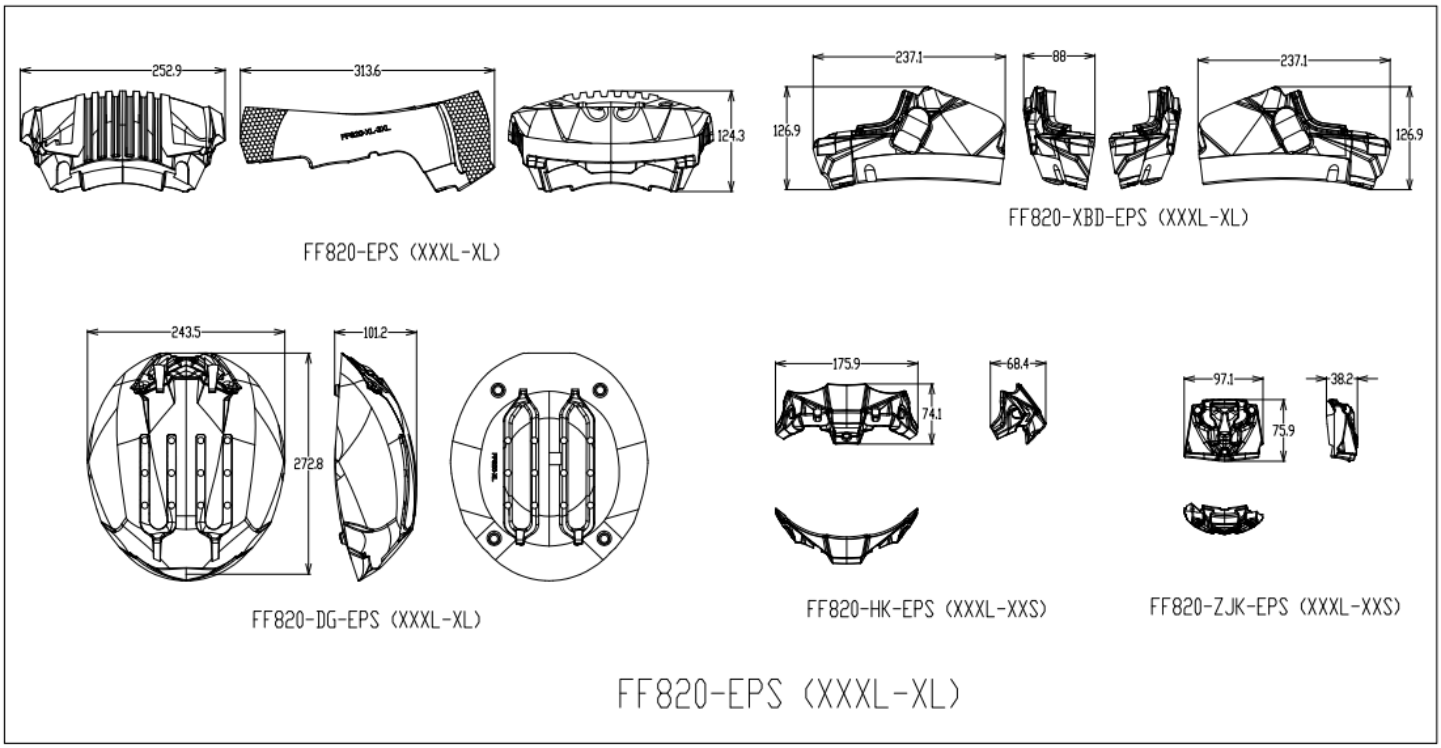


Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Shell	ABS			
Description	FF820 S-XXS Shell		**Code No.:**	FF820.2.3	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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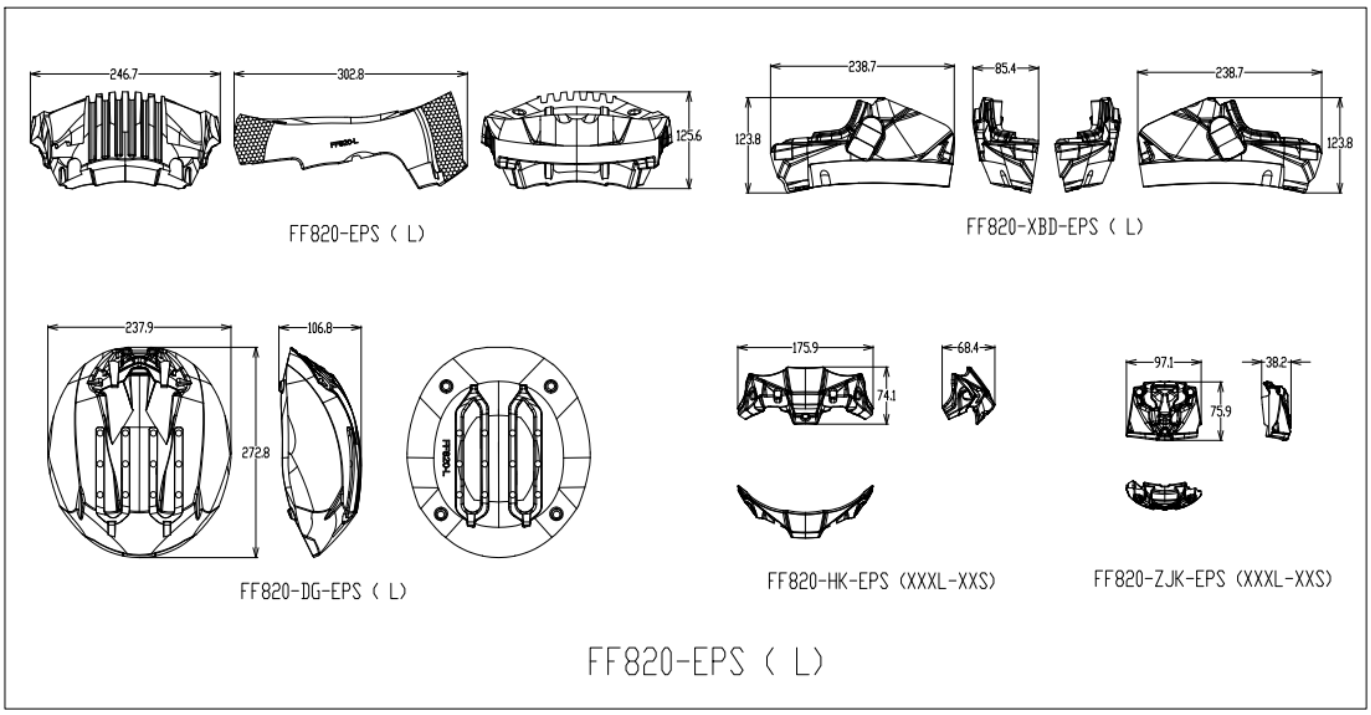
Annex 3: Drawing of the protective padding



Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 XXXL-XL Protective padding		**Code No.:**	FF820.3.1	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

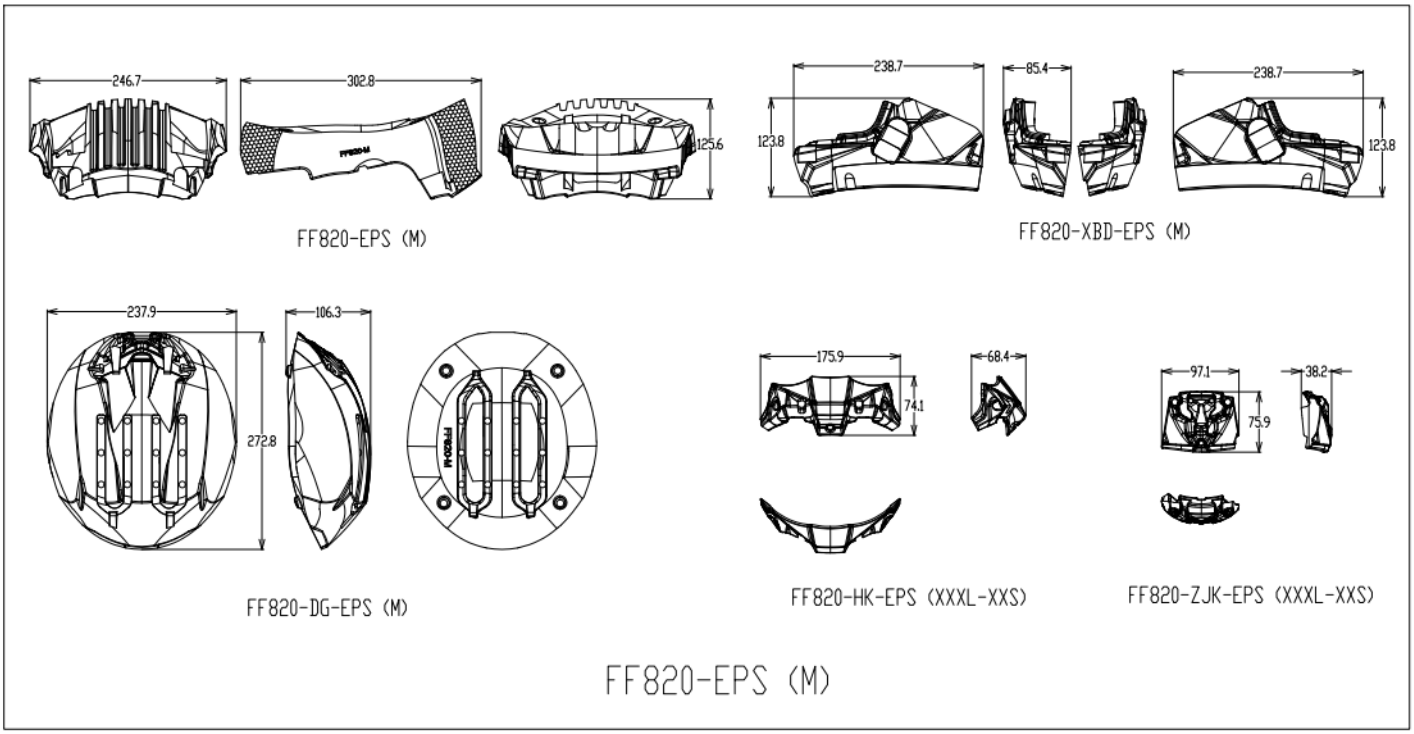
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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 L Protective padding		**Code No.:**	FF820.3.2	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

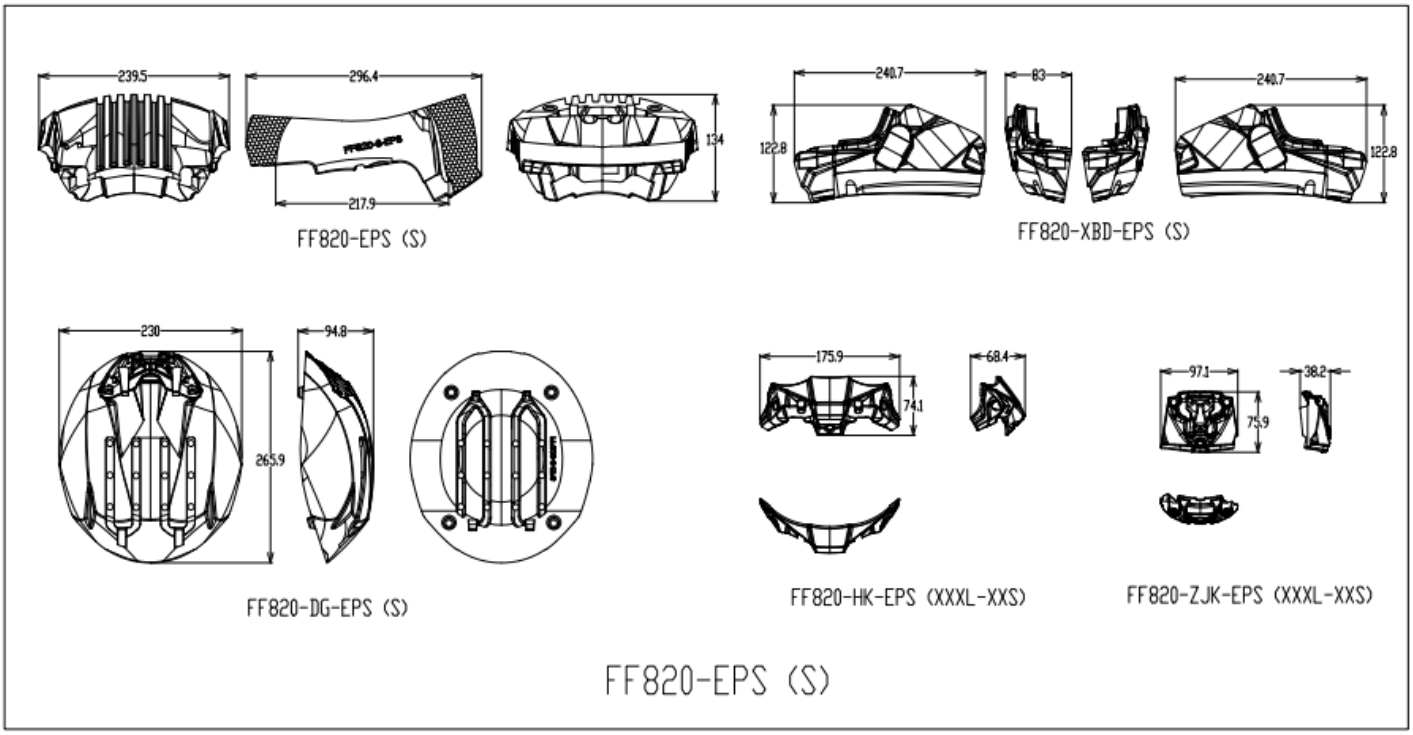
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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 M Protective padding		**Code No.:**	FF820.3.3	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

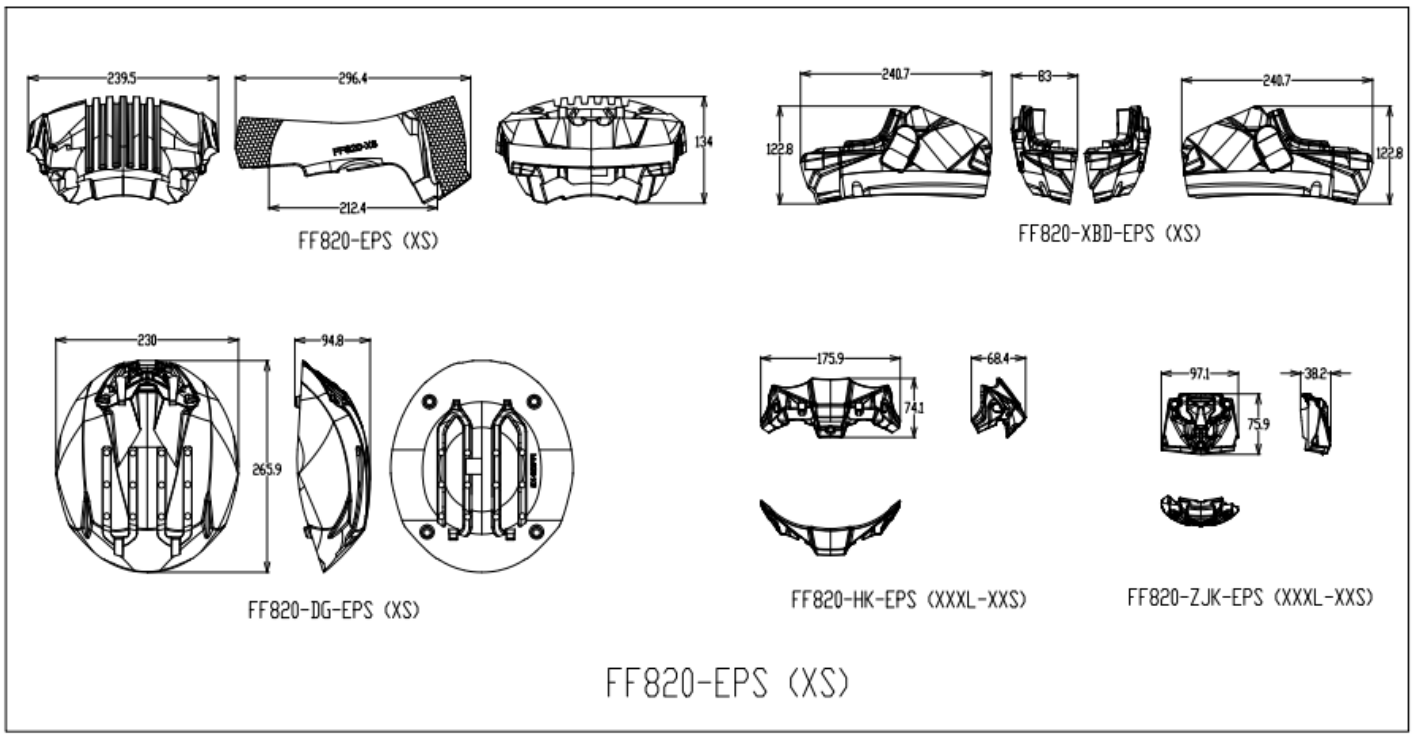
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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 S Protective padding		**Code No.:**	FF820.3.4	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

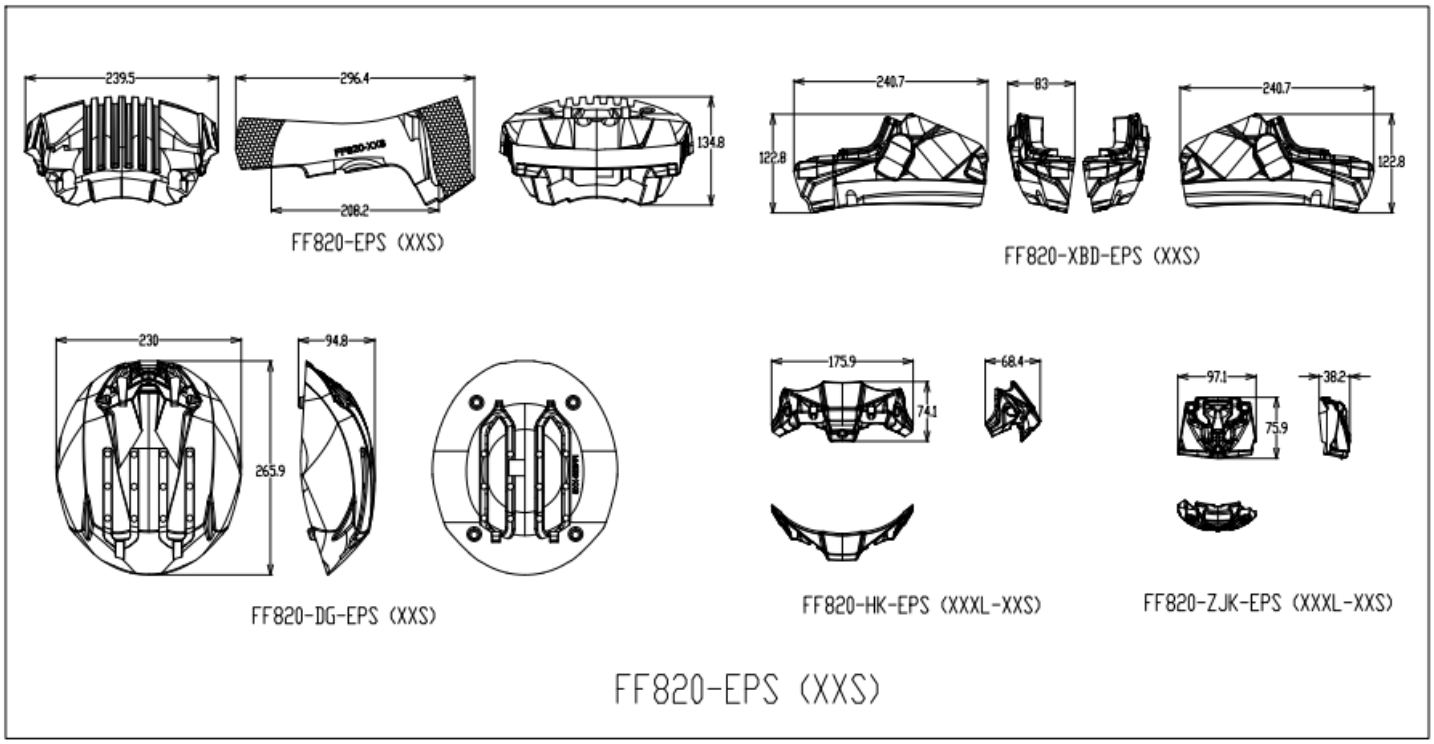
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Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 XS Protective padding		**Code No.:**	FF820.3.5	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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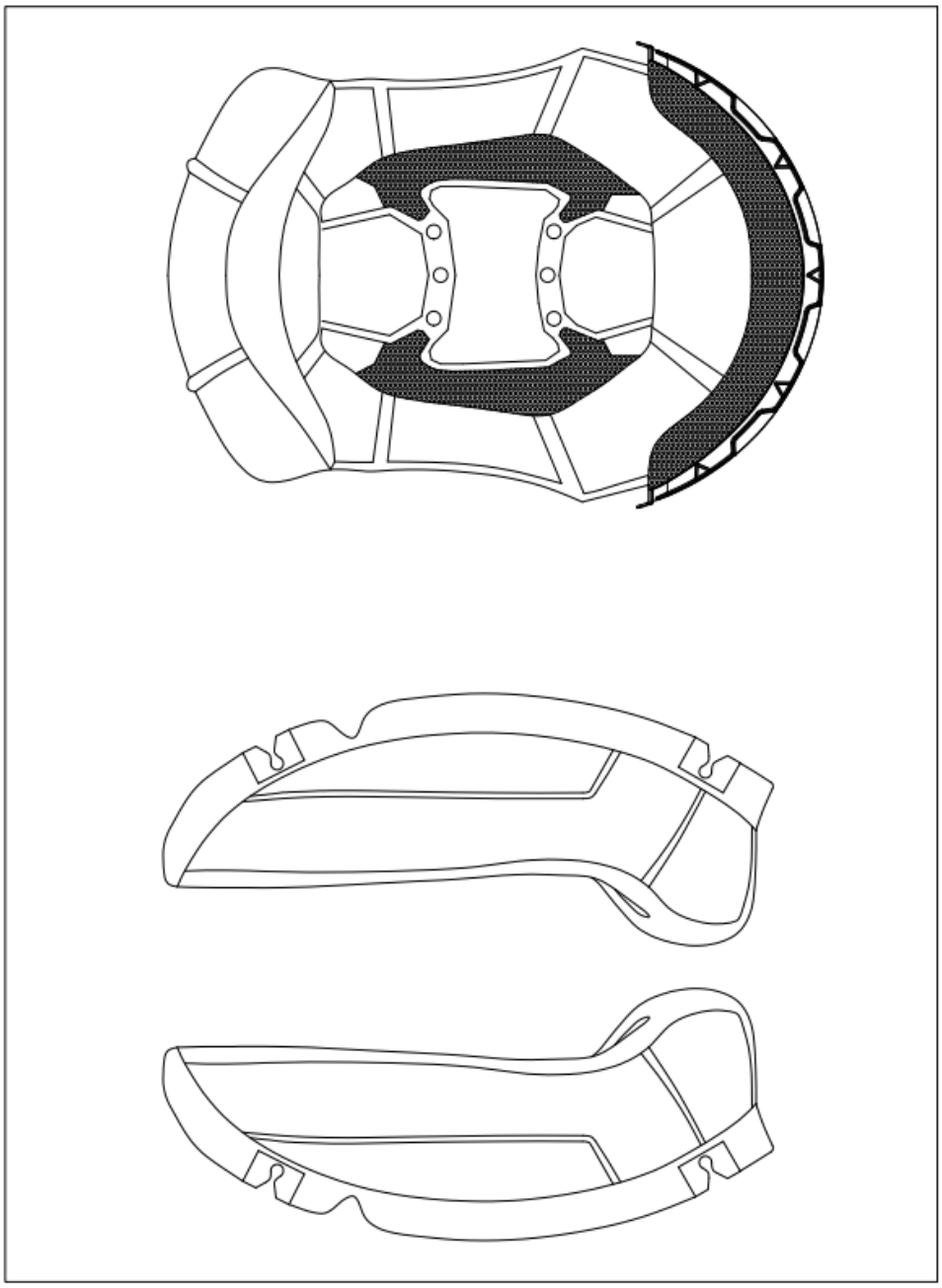


Unit: mm

Number	Name	Parameter	Number	Name	Parameter
1	Protective padding	EPS			
Description	FF820 XXS Protective padding		**Code No.:**	FF820.3.6	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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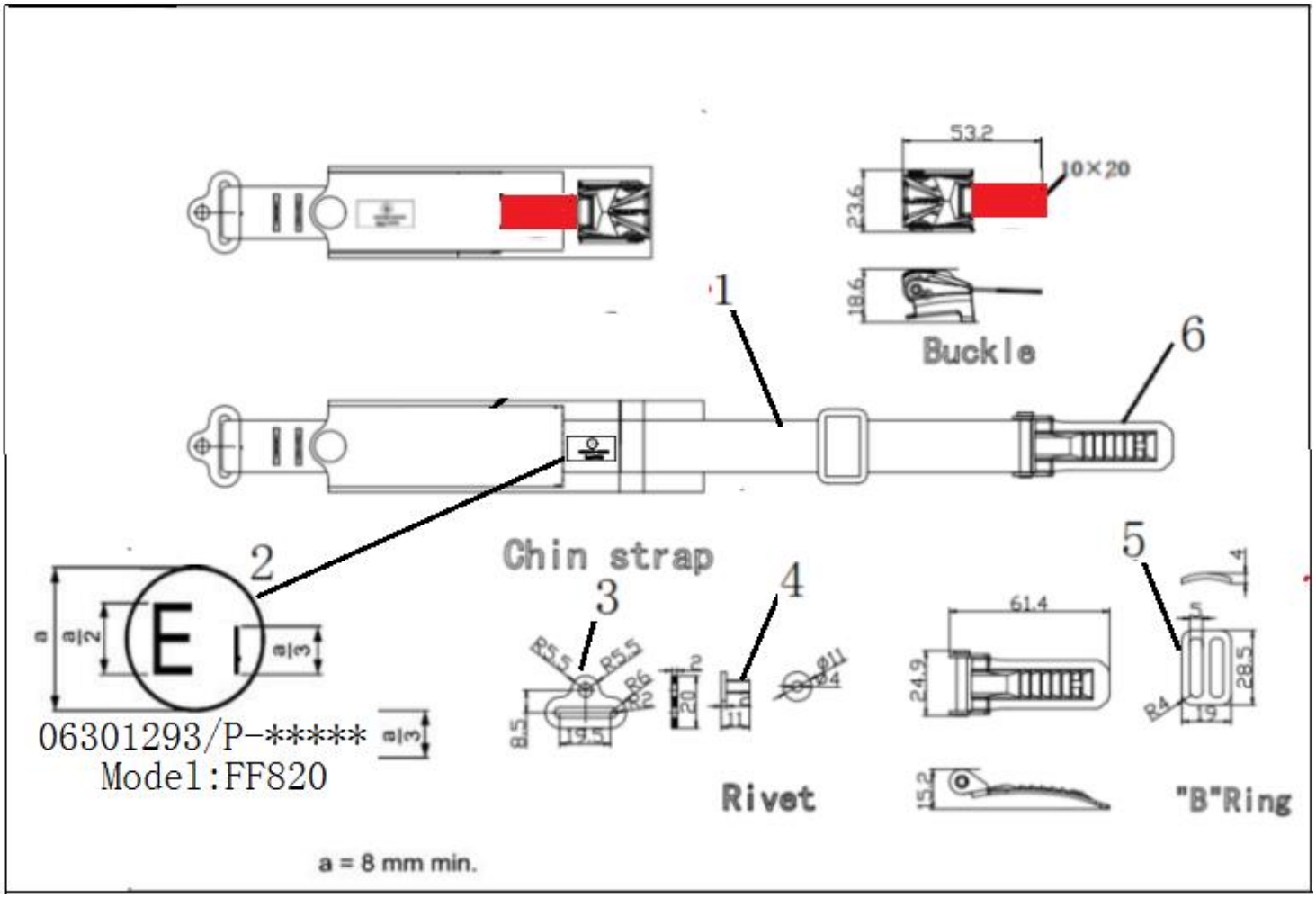
Annex 4: Drawing of the comfort padding



Number	Name	Material	Number	Name	Material
1	Comfort padding	Nylon	**2**	Ear chin strap padding	Nylon + PP
Description	FF820 Comfort padding		**Code No.:**	FF820.4.1	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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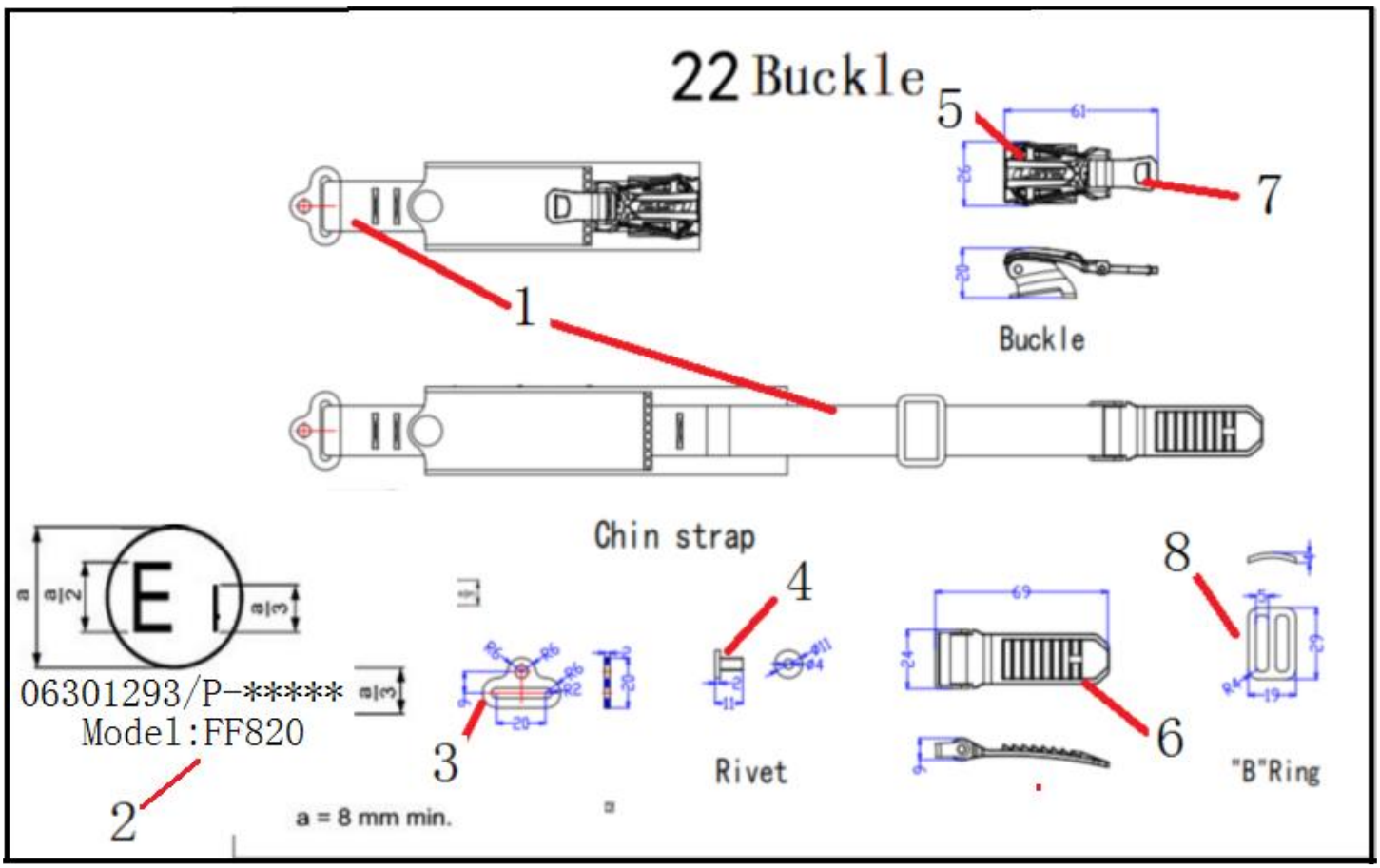
Annex 5: Drawing of the retention system



Unit: mm

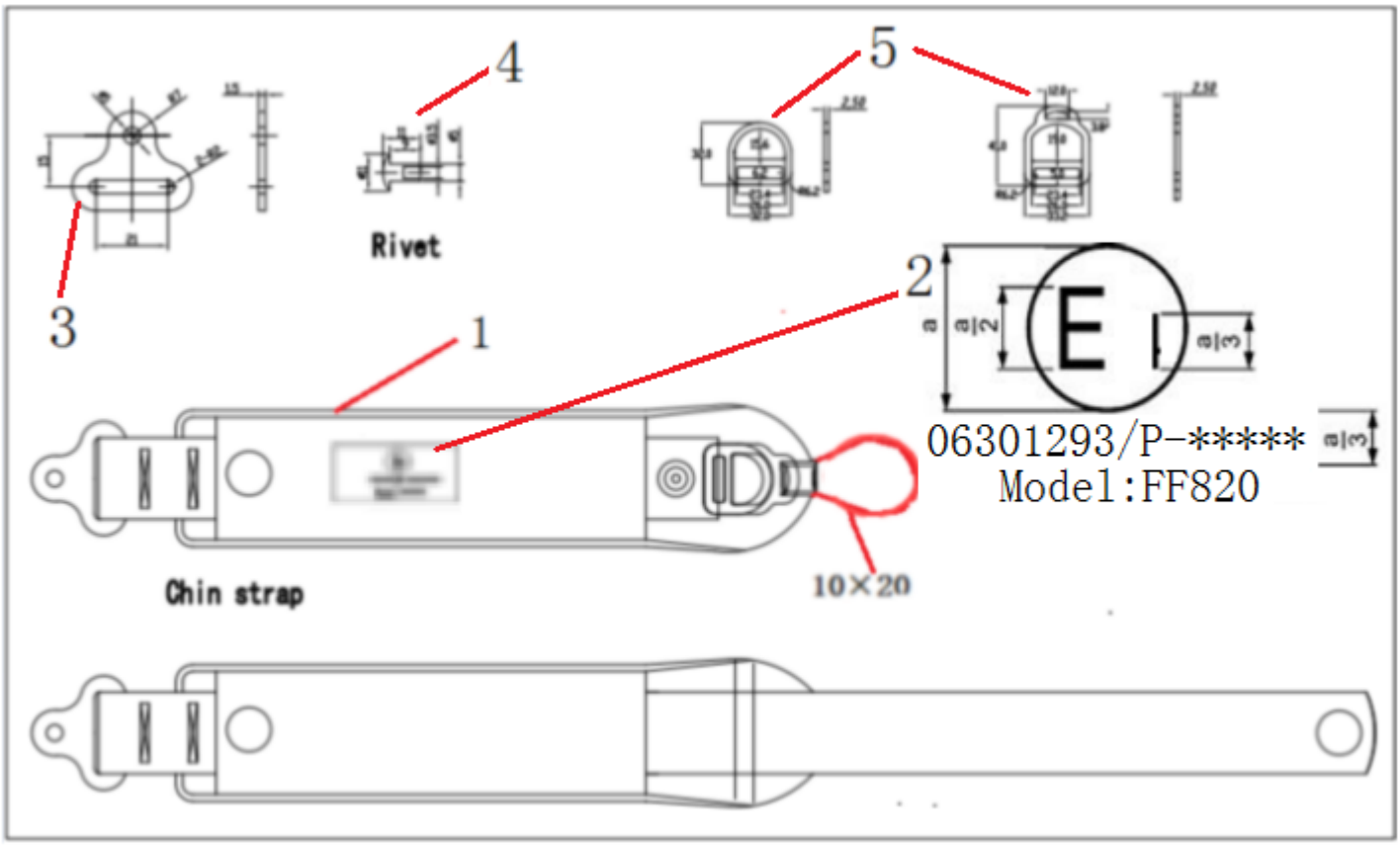
Number	Name	Material	Number	Name	Material
1	Chin strap	Nylon	**4**	Rivet	Steel
2	ECE Marking	Cloth	**5**	“B” Ring	Steel
3	Hinge	Steel	**6**	Quick release buckle	Steel
Description	FF820 Retention system (No.23 quick release mechanism)		**Code No:**	FF820.5.1	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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Number	Name	Material	Number	Name	Material
1	Chin strap	Nylon	**5**	Slider	Polycarbonate + Steel
2	ECE Marking	Cloth	**6**	Quick release buckle	Polycarbonate + Steel
3	Hinge	Steel	**7**	Red small strap	Nylon
4	Rivet	Steel	**8**	“B” Ring	Nylon
Description	FF820 Retention system (No.22 Buckle)		**Code No.:**	FF820.5.2	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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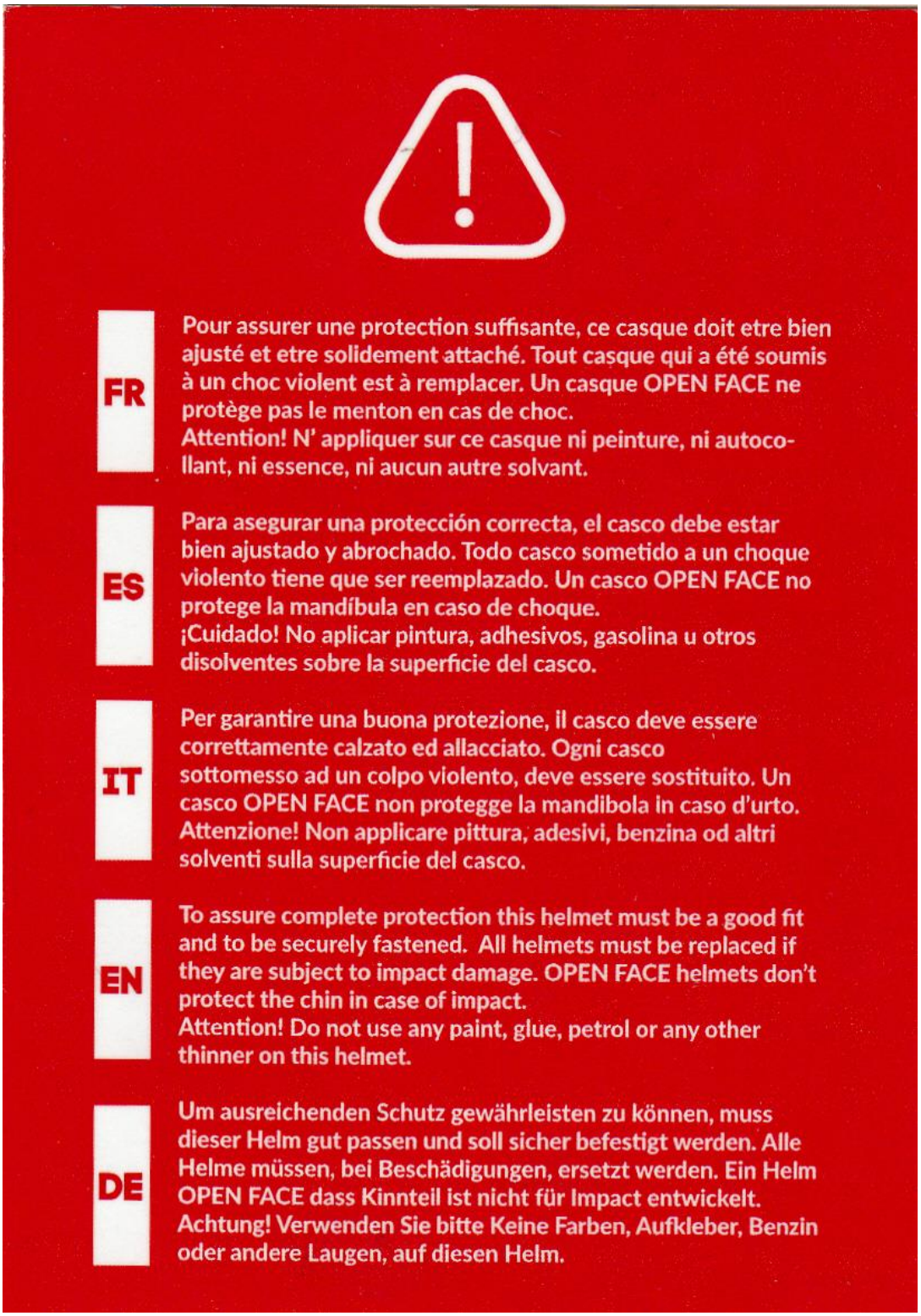
Number	Name	Material	Number	Name	Material
1	Chin strap	Nylon	**2**	ECE Marking	Cloth
3	Hinge	Steel	**4**	Rivet	Steel
5	DD Ring	Aluminum Alloy			
Description	FF820 Retention system (Double-D ring release mechanism)		**Code No.:**	FF820.5.3	
Manufacturer:	Jiangmen Pengcheng Helmets Ltd.				
Address:	No.01-7, Dongsheng Road, Gonghe Town, Heshan City, Guangdong Province, China				
Drawn by:	XinShengLiu	**Checked by:**	XinShengLiu	**Approved by:**	XingCheng
Date:	11.06.2025	**Date:**	11.06.2025	**Date:**	11.06.2025

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Annex 6: Information for wearer



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FR

Pour assurer une protection suffisante, ce casque doit etre bien ajusté et etre solidement attaché. Tout casque qui a été soumis à un choc violent est à remplacer. Un casque OPEN FACE ne protège pas le menton en cas de choc.
Attention! N' appliquer sur ce casque ni peinture, ni autocollant, ni essence, ni aucun autre solvant.

ES

Para asegurar una protección correcta, el casco debe estar bien ajustado y abrochado. Todo casco sometido a un choque violento tiene que ser reemplazado. Un casco OPEN FACE no protege la mandíbula en caso de choque.
¡Cuidado! No aplicar pintura, adhesivos, gasolina u otros disolventes sobre la superficie del casco.

IT

Per garantire una buona protezione, il casco deve essere correttamente calzato ed allacciato. Ogni casco sottomesso ad un colpo violento, deve essere sostituito. Un casco OPEN FACE non protegge la mandibola in caso d'urto.
Attenzione! Non applicare pittura, adesivi, benzina od altri solventi sulla superficie del casco.

EN

To assure complete protection this helmet must be a good fit and to be securely fastened. All helmets must be replaced if they are subject to impact damage. OPEN FACE helmets don't protect the chin in case of impact.
Attention! Do not use any paint, glue, petrol or any other thinner on this helmet.

DE

Um ausreichenden Schutz gewährleisten zu können, muss dieser Helm gut passen und soll sicher befestigt werden. Alle Helme müssen, bei Beschädigungen, ersetzt werden. Ein Helm OPEN FACE dass Kinnteil ist nicht für Impact entwickelt.
Achtung! Verwenden Sie bitte Keine Farben, Aufkleber, Benzin oder andere Laugen, auf diesen Helm.

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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 safety 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 foreseable 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.

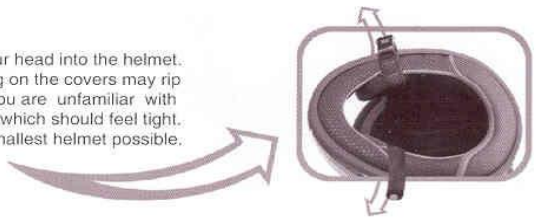
1 **To determinate proper fit.**

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 fat 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, puling 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.



page 2

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

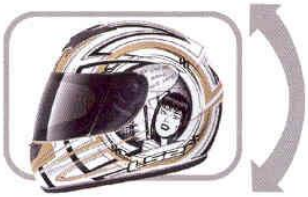
3.1. Make sure the inner lining fits snugly all around your head.

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.



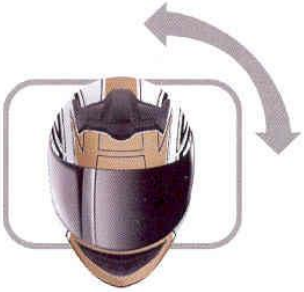
4 **Check the retention system and go through the following steps.**

4.1. Fasten the chinstrap as tight as possible without cousing 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 fightened enough.



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 diagra m 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 flutering 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 catche 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 moove 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. Afetr 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 capsize 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.

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4

Clean your helmet carefully.
Never use hot or salt water, benzene, gazoline, glass cleaner or other solvents. Your helmet could be seriously damaged by these substances. whithout whowing 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 used approved LS2 parts when replacing shields, screws, or any other parts. A weakened helmet will not provide protection.

6

Don't mistread 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 "naphtalene") 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 exampl, battery acid) can damage the shield base. If you find cracks or damage, stop using the helmet immediately.**
3. **Plastic componets 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 ore 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.

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Visor suitable for this helmet:FF-MHR-124

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