E9

E9*22R06/02*6431*00

Comunicación sobre / *Concerning* (1):

- concesión de la homologación / *approval granted*
- ~~extensión de la homologación / *approval extended*~~
- ~~denegación de la homologación / *approval refused*~~
- ~~retirada de homologación / *approval withdrawn*~~
- ~~cese definitivo de la producción / *production definitely discontinued*~~

de un tipo de casco de protección con/~~sin~~ (1) un/~~varios~~ (1) tipo(s) de pantalla, ~~con~~/sin (1) un/~~varios~~ (1) tipo~~(s)~~ de accesorio específico en aplicación del Reglamento UN Nº 22 / *of a type of protective helmet with/~~without~~* (1) *one/~~more~~* (1) *visor type(s), ~~with~~/without* (1) *one/~~more~~* (1) *specific accessory type~~(s)~~ pursuant to UN Regulation No. 22.*

Homologación Nº / *Approval No.*: E9*22R06/02*6431*00 Extensión Nº / *Extension No.* 00

1. Marca de fábrica o comercial / *Trade mark*: MHR, LS2, TAKAI, KTM

2. Tipo / *Type*: OF616

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

4. Nombre del fabricante / *Manufacturer's name*:
JIANGMEN PENGCHENG HELMETS LTD.

5. Dirección / A*ddress*:
No.01-7 Dongsheng Road, Gonghe Town, Heshan, Jiangmen City,
Guangdong, 529728 P.R. China

6. Nombre del representante, en su caso / *If applicable, name of manufacturer's representative*: ----

7. Dirección / *Address*: ----

8. Breve descripción del casco / *Brief description of helmet*:
Ver documentación del fabricante / *See manufacturer's documentation*

9. Casco sin mentón (J) / ~~con mentón protectivo (P)~~ / ~~con mentón no protectivo (NP)~~ /~~con mentón protectivo móvil o extraible (P/J)~~ (1) / *Helmet without lower face cover (J)* / ~~*with protective lower face cover (P)*~~ / ~~*with non-protective lower face cover (NP)*~~/ ~~*with detachable or movable protective lower face cover (P/J)*~~ (1)

10. Tipo de pantalla o pantallas / *Type of visor or visors* OF-MHR-110 (E9*22R06/02*6432*00)

11. Breve descripción de la pantalla o pantallas y pantalla interior si la hay / *Brief description of visor or visors and inner visor if any*:
Ver documentación del fabricante / *See manufacturer's documentation*

(1) Táchese lo que no proceda / *Strike out what does not apply*

Firmado el 11/08/2023 17:33:36 : JOSE MANUEL PRIETO BARRIO, Subdirector / Subdirectora General de S.G. de Calidad y Seguridad Industrial.

Código: **13631704-759236588R0G07YOYPHV** Autenticidad verificable en: https://serviciosmin.gob.es/arce
Documento electrónico, página 1 de 4.

E9

E9*22R06/02*6431*00

12. ~~Casco preparado para accesorio específico (SA)/preparado para accesorios universales (UA)~~ (1) /
~~*Helmet ready for specific accessory (SA)/ready for universal accessories (UA)*~~ (1)

13. Accesorios incluidos en la homologación del casco y funcionalidad / *Accessories included in the helmet homologation and functionality*: ----

14. ~~Si casco UA, altavoces (S o S45) / Micrófono (M) / Montaje frontal (F) / Montaje lateral (L) / Montaje trasero (R)~~ (1) ~~*/ If UA helmet, speakers (S or S45) / Microphone (M) / Front mounting (F) / Side mounting (L), Rear mounting (R)*~~ (1)

15. Presentado a la homologación el / *Submitted for approval on*: 09.05.2023

16. Servicio técnico encargado de los ensayos de homologación / *Technical service responsible for conducting approval tests*: IDIADA

17. Fecha del acta de los ensayos emitida por este servicio / *Date of report issued by that service*: 10.08.2023

18. Nº del acta de ensayos emitida por este servicio / *Number of report issued by that service*: MT23040031

19. Observaciones / *Comments*: ----

20. Homologación concedida / ~~extendida~~ / ~~denegada~~ / ~~retirada~~ (1) /
Approval granted / ~~*extended*~~ / ~~*refused*~~ / ~~*withdrawn*~~ (1)

21. Lugar / *Place*: Madrid

22. Fecha / *Date*: Ver firma electrónica / *See electronic signature*

23. Firma / *Signature*:
EL SUBDIRECTOR GENERAL DE CALIDAD Y SEGURIDAD INDUSTRIAL
Resolución P.D. del DIRECTOR GENERAL DE INDUSTRIA Y DE LA PYME de 25-10-2012

24. Los siguientes documentos, que llevan el número de homologación arriba indicado, pueden ser obtenidos a solicitud del interesado / *The following documents, bearing the approval number shown above, are available on request*:

    * Informe técnico / *Technical report*
    * Documentación técnica del fabricante / *Manufacturer's technical documentation*

(1) Táchese lo que no proceda / *Strike out what does not apply*

Código: **13631704-759236588R0G07YOYPHV** Autenticidad verificable en: https://serviciosmin.gob.es/arce
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Anexo - Información adicional sobre esta Homologación de tipo

Condiciones de la autorización y pie de recurso

Los vehículos, sistemas, componentes o unidades técnicas independientes fabricados en virtud de esta homologación de tipo deben estar identificados y portar las marcas correspondientes según la reglamentación aplicable.

La producción en serie de vehículos, sistemas, componentes y unidades técnicas independientes debe realizarse de acuerdo con la documentación de homologación. Todo cambio en la producción individualizada requerirá autorización expresa previa por parte de la Autoridad de Homologación Española.

Cualquier modificación en los datos incluidos en el certificado de homologación, como el nombre de la empresa, representante en la UE, dirección y las plantas de fabricación deben ser comunicados inmediatamente a la Autoridad de Homologación Española.

La homologación perderá su validez cuando la misma haya sido retirada o el tipo ya no cumpla con los requisitos legales. La retirada tendrá lugar siempre que hayan dejado de cumplirse los requisitos necesarios para la concesión y mantenimiento de la misma, cuando el fabricante no pueda demostrar a la Autoridad de Homologación el cumplimiento con los requisitos y procedimientos para garantizar la conformidad de la producción, en caso de que el titular no cumpla con sus obligaciones inherentes a la homologación o cuando se determine que el tipo homologado no cumple con los requisitos de seguridad y medio ambiente.

La Autoridad de Homologación de Tipo española podrá verificar el cumplimiento de las obligaciones del fabricante en cualquier momento. En particular, se podrá comprobar la correspondencia del producto con el tipo homologado, así como las medidas establecidas para garantizar la conformidad de la producción. A tal efecto se podrán tomar o solicitar las muestras necesarias. Se permitirá el acceso sin trabas a las instalaciones de producción y almacenamiento a los empleados o representantes de la Autoridad de Homologación Española.

La autorización objeto de esta resolución de homologación de tipo no es transferible. Los derechos de marca de terceros no se encuentran afectados por esta homologación.

Contra la presente Resolución, que no pone fin a la vía administrativa, podrá interponerse recurso de alzada [1] ante la Dirección General de Industria y de la Pequeña y Mediana empresa, o ante la Secretaría General de Industria y de la Pequeña y Mediana empresa, en el plazo de un mes a partir del día siguiente a su notificación, de conformidad con los artículos 121 y 122 de la Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas.

[1] Nota: Para interponer recurso de alzada deberá acceder al siguiente enlace:
https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157

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Annex - Additional Information on this Type Approval

Collateral clauses and right to appeal (Courtesy translation)

All vehicles, systems, components or separate technical units which correspond to the approved type are to be identified and marked according to the applied regulation.

The serial fabrication of vehicles, systems, components or separate technical must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Spanish Type Approval Authority.

Changes in the data included in the approval certificate, such as the name of the company, EU representative, address and the manufacturing plant are to be immediately disclosed to the Spanish Type Approval Authority.

The approval expires if it is 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 manufacturer cannot demonstrate to the Type Approval Authority that it comply with the requirements and procedures to guarantee the conformity of production, if the holder of the approval violates the duties involved in the approval or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

The Spanish Type Approval Authority 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 Spanish Type Approval Authority may get unhindered access to the production and storage facilities.

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

This approval does not conclude the administrative channel and can be appealed [2] within one month after notification, according to articles 121 and 122 of Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas. The appeal is to be addressed to Dirección General de Industria y de la Pequeña y Mediana empresa, or Secretaría General de Industria y de la Pequeña y Mediana empresa.

[2] *Note: Appeal on the following link:*
https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157

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L'Albornar - Apartado de Correos 20
E - 43710 Santa Oliva (Tarragona)
España

Tel. +34 977 166000
Fax +34 977 166007
e-mail: idiada@idiada.com

THE TESTS HAVE BEEN CARRIED OUT BY IDIADA AUTOMOTIVE TECHNOLOGY, S.A. (TS) LABORATORY ACCREDITED BY ENAC WITH NUMBER OF ACCREDITATION 35/LE2594
LOS ENSAYOS HAN SIDO REALIZADOS POR IDIADA AUTOMOTIVE TECHNOLOGY, S.A. (TS) ACREDITADO POR ENAC CON NÚMERO DE ACREDITACIÓN 35/LE2594

INFORME Nº / *REPORT No.* MT23040031

CASCOS DE PROTECCIÓN, SUS PANTALLAS Y SUS ACCESORIOS PARA CONDUCTORES Y PASAJEROS DE MOTOCICLETAS Y CICLOMOTORES SEGÚN EL REGLAMENTO UN Nº 22R06/02
PROTECTIVE HELMETS, THEIR VISORS AND THEIR ACCESSORIES FOR DRIVERS AND PASSENGERS OF MOTORCYCLES AND MOPEDS ACCORDING TO UN REGULATION No. 22R06/02

Fabricante / *Manufacturer* (1)	:	JIANGMEN PENGCHENG HELMETS Ltd. No.01-7 Dongsheng Road, Gonghe Town, Heshan, Jiangmen City, Guangdong, 529728 P.R. China
Marca(s) / *Make(s)* (1)	:	MHR, LS2, TAKAI, KTM
Tipo / *Type* (1)	:	OF616
Denominaciones comerciales / *Commercial denominations* (1)	:	AIRFLOW II, AIRFLOW
Lugar y fecha de emisión del informe / *Test report place and date*	:	L'Albornar, Santa Oliva (Tarragona) 10.08.2023

CONCLUSIONES / *CONCLUSIONS*: El casco presentado CUMPLE con las especificaciones relativas a la homologación de cascos, pantallas y accesorios de protección para conductores y pasajeros de motocicletas y ciclomotores, correspondientes al Reglamento UN Nº 22R06/02, según se detalla en la hoja de ensayo anexa a este informe. / *The helmet submitted for test FULFILS the specifications relating to the homologation of helmets, their visors and their accesories of protection for riders and passengers of motorcycles and mopeds, according to UN Regulation No. 22R06/02, as detailed in the test form attached to this report.*

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Realizado / *Performed by* :

Antonio Santos Carreño
TÉCNICO DE HOMOLOGACIONES
HOMOLOGATION TECHNICIAN

Vº. Bº. / *Revised by* :

Víctor Costa Escarrà
JEFE DE DEPARTAMENTO
DEPARTMENT MANAGER

MT23040031

* LOS RESULTADOS PRESENTADOS SE REFIEREN UNICAMENTE A LA MUESTRA ENSAYADA.
THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE
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ANEXO AL INFORME / *ANNEX TO THE TEST REPORT*

IDENTIFICACIÓN DEL CASCO PRESENTADO AL ENSAYO /
IDENTIFICATION OF HELMET SUBMITTED FOR TEST

Fabricante / *Manufacturer* (1)	:	JIANGMEN PENGCHENG HELMETS Ltd.
Marca(s) / *Make(s)* (1)	:	LS2
Tipo / *Type* (1)	:	OF616
Tallas / *Sizes* (1)	:	XS(53-54), S(55-56), M(57-58), L(59-60), XL(61-62), XXL(63-64), XXXL(65-66)
Id. de la muestra / *Sample Id.*	:	CA2305/05, CA2306/36

MARCADO DEL CASCO / *HELMET MARKINGS*

Marca o nombre del fabricante /
Manufacturer's trade name or mark ..... *CORRECT*

Etiqueta de talla / *Size label* ..... *CORRECT*

Etiqueta de peso / *Weight label* ..... *CORRECT*

Año de producción / *Year of production* ..... *CORRECT*

Marcaje de homologación /
Approval mark ..... *CORRECT*

Indicación de uso correcto y reemplazo /
Indication of correct use and replacement ..... *CORRECT*

Advertencia del uso de disolventes sobre el casco /
Warning of the use of solvents on the helmet ..... *CORRECT*

Listado de pantallas homologadas compatibles /
Compatible approved visors list ..... *CORRECT*

Sin protección del mentón frente impactos (solo para tipos "NP") /
Does not protect chin from impacts (only for "NP" types) ..... *NOT APPLICABLE*

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THE DECISION RULE USED, ACCORDING TO THE ILAC-G8 STANDARD, WAS THE BINARY STATEMENT FOR SIMPLE ACCEPTANCE.

DESCRIPCIÓN TÉCNICA Y DE MATERIALES / *TECHNICAL DESCRIPTION AND MATERIALS* (1)

Carcasa / *Shell*	:	ABS
Relleno de protección / *Protective padding*	:	Poliestireno expandido (EPS) / *Expanded polystyrene (EPS)*
Peso del casco en gramos / *Helmet weight in grams*	:	XXXL-L (1250 g), M-XS (1200 g)
Sistema de retención / *Retention system*	:	Version 1: Cierre de apertura rápida (micrométrico Nº18) / *Quick release mechanism (micrometric No.18)* Version 2: Cierre de apertura rápida (micrométrico Nº20) / *Quick release mechanism (micrometric No.20)*
Pantalla / *Visor*	:	OF-MHR-110 (E9*22R06/02*6432*00)
Filtro solar / *Sun shield*	:	----

ESPECIFICACIONES GENERALES / *GENERAL SPECIFICATIONS*

1. Constitución básica / *Basic construction* ..... *CORRECT*

2. Accesorios / *Accessories*: ----

3. Opción protectiva / *Protective option*:

   Sin mentón (J) / *Without lower face cover (J)*

4. Extensión de la protección / *Extent of the protection*:

   4.1. Área cubierta por la carcasa / *Area covered by the shell* ..... *CORRECT*

   4.2. Área cubierta por el relleno protector / *Area covered by the protective padding* ..... *CORRECT*

5. Proyecciones o irregularidades en la parte exterior de la carcasa / *Projections or irregularities in the outer shell* ..... *CORRECT*

6. Interior del casco / *Inside of helmet* ..... *CORRECT*

7. Sistema de retención protegido contra la abrasión / *Retention system protected against abrasion* ..... *CORRECT*

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8. Sistema de retención / *Retention system*:

8.1. Anchura de la cinta /
Chin strap width ..... *CORRECT*

8.2. Cinta desprovista de mentonera /
Chin strap does not include a chin-cup ..... *CORRECT*

8.3. Dispositivo de ajuste y retención de la cinta /
Chin strap adjustment and tensioning device ..... *CORRECT*

8.4. Posición de los dispositivos de retención y ajuste de la cinta /
Position of the chin strap fastening and tensioning devices ..... *CORRECT*

8.5. Dispositivo de apertura rápida con barra deslizante o doble anillo en D /
Sliding bar or double-D ring fastening devices:

8.5.1. Apertura únicamente con acción voluntaria /
Opening only with voluntary action ..... *NOT APPLICABLE*

8.5.2. Patilla de desenganche del mecanismo /
Releasing pulling flap ..... *NOT APPLICABLE*

8.6. Mecanismo de apertura rápida (Versiones 1, 2) /
Quick release mechanism (Versions 1, 2) ..... *CORRECT*

8.7. Facilidad de apertura del cierre /
Ease of release ..... *CORRECT*

8.8. Protección contra manipulación incorrecta del cierre (Versiones 1, 2) /
Buckle protected against incorrect manipulation (Versions 1, 2) ..... *CORRECT*

9. Estado del casco después del ensayo /
Helmet status after test ..... *CORRECT*

10. Visión periférica / *Peripheral vision*:

Horizontal / *Horizontal* (≥ 105°) ..... *CORRECT*

Hacia arriba / *Upwards* (≥ 7°) ..... *CORRECT*

Hacia abajo / *Downwards* (≥ 45°) ..... *CORRECT*

Deflector de respiración / *Breath deflector* ..... *CORRECT*

11. Marcado de visibilidad / *Conspicuity marking* ..... *NOT APPLICABLE*

12. Filtro solar / *Sun shield*:

12.1. Maniobrabilidad / *Maneuverability* ..... *NOT APPLICABLE*

12.2. Visión periférica del usuario / *User's peripheral vision* ..... *NOT APPLICABLE*

12.3. Guarniciones y dispositivos de maniobrabilidad /
Fixings and devices to allow the maneuverability ..... *NOT APPLICABLE*

12.4. Defectos de visión / *Vision defects* ..... *NOT APPLICABLE*

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ENSAYO DE ABSORCIÓN DE IMPACTO LINEAL / *LINEAR IMPACT ABSORPTION TEST*

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
1	AMBIENTE / *AMBIENT*	PLANO / *FLAT*	7.5	B	227	1853
				X	206	1489
				P	182	1739
				R	200	1684
2	AMBIENTE / *AMBIENT*	CUÑA / *KERBSTONE*	7.5	B	175	1259
				X	178	1126
				P	155	1093
				R	146	1065
3	-10 ºC	PLANO / *FLAT*	7.5	B	215	1844
				X	227	1784
				P	181	1810
				R	195	1678
			6.0	S	---	---
4	+50 ºC	CUÑA / *KERBSTONE*	7.5	B	186	1268
				X	185	1088
				P	165	1126
				R	148	1092
5	UV + H_2O	PLANO / *FLAT*	7.5	B	217	1760
				X	213	1624
				P	182	1784
				R	206	1705

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TALLA / *SIZE*: L (59-60) Cabeza de ensayo / *Test headform*: M (60)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
6	-10 ºC	PLANO / *FLAT*	7.5	B	201	1640
				X	207	1622
				P	224	1989
				R	195	1416
			6.0	S	---	---
7	+50 ºC	CUÑA / *KERBSTONE*	7.5	B	168	1150
				X	165	1025
				P	149	982
				R	130	929

TALLA / *SIZE*: M (57-58) Cabeza de ensayo / *Test headform*: J (57)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
8	-10 ºC	PLANO / *FLAT*	7.5	B	192	1510
				X	202	1560
				P	171	1386
				R	155	881
			6.0	S	---	---
9	+50 ºC	CUÑA / *KERBSTONE*	7.5	B	218	1321
				X	155	915
				P	138	889
				R	163	974

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TALLA / *SIZE*: S (55-56) Cabeza de ensayo / *Test headform*: E (54)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
10	-10 ºC	PLANO / *FLAT*	7.5	B	183	1476
				X	183	1401
				P	161	1520
				R	158	1197
			6.0	S	---	---
11	+50 ºC	CUÑA / *KERBSTONE*	7.5	B	165	1159
				X	142	877
				P	132	776
				R	131	888

TALLA / *SIZE*: XS (53-54) Cabeza de ensayo / *Test headform*: E (54)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
12	-10 ºC	PLANO / *FLAT*	7.5	B	221	1679
				X	184	1422
				P	165	1587
				R	177	1465
			6.0	S	---	---
13	+50 ºC	CUÑA / *KERBSTONE*	7.5	B	238	1481
				X	131	860
				P	137	842
				R	123	854

Resultado del ensayo / *Test result* .....*CORRECT*

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ENSAYO DE ABSORCIÓN DE IMPACTO EN PUNTOS EXTRA / *EXTRA POINT IMPACT ABSORPTION TEST*

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
14	AMBIENTE / *AMBIENT*	PLANO / *FLAT*	7.5	BXPL	236	2271
				XPR	220	2185
				RXL	220	1906

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2400
15	AMBIENTE / *AMBIENT*	PLANO / *FLAT*	7.5	BXR	218	1868
				XPL	202	1883
				RXPR	182	1562

Resultado del ensayo / *Test result* .....*CORRECT*

ENSAYO DE ABSORCIÓN DE IMPACTO EN ALTA ENERGÍA / *HIGH ENERGY IMPACT ABSORPTION TEST*

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 275 g	HIC ≤ 2880
16	AMBIENTE / *AMBIENT*	PLANO / *FLAT*	8.2	B	268	2420
				X	237	2107
				P	205	2314
				R	222	2137

Resultado del ensayo / *Test result* .....*CORRECT*

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ENSAYO DE ABSORCIÓN DE IMPACTO EN BAJA ENERGÍA / *LOW ENERGY IMPACT ABSORPTION TEST*

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOCIDAD / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					$Acc_{(g)}$ max ≤ 180 g	HIC ≤ 1300
17	AMBIENTE / *AMBIENT*	PLANO / *FLAT*	6.0	B	153	965
				X	153	835
				P	159	1156
				R	157	948

Resultado del ensayo / *Test result* .....*CORRECT*

ENSAYO DE ABSORCIÓN DE IMPACTO OBLICUO / *OBLIQUE IMPACT ABSORPTION TEST* (2)

TALLA / *SIZE*: XXXL (65-66) Cabeza de ensayo / *Test headform*: O (62)

Nº / *No.*	ACONDIC. / *CONDITIONING*	YUNQUE / *ANVIL*	VELOC. / *SPEED* (m/s)	PUNTO IMPACTO / *IMPACT POINT*	RESULTADOS / *RESULTS*	
					PRA max ≤ 10.400 rad/s²	BrIC ≤ 0.78
18	AMBIENTE / *AMBIENT*	45º	8.0	Front lat. dcha. / *Front lat. right* (45°)	1929	0.36
				Trasero / *Rear* (180°)	1620	0.18
				Lateral izq. / *Lateral left* (270°)	2362	0.46
19	AMBIENTE / *AMBIENT*	45º	8.0	Frontal / *Frontal* (0°)	2769	0.31
				Trasero lat. dcha. / *Rear lat. right* (135°)	1553	0.20

Resultado del ensayo / *Test result*.....*CORRECT*

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ENSAYO PARA SALIENTES Y FRICCIÓN / *TEST FOR PROJECTIONS AND SURFACE FRICTION*

CASCO / *HELMET*		RESULTADOS DEL ENSAYO / *TEST RESULTS*	
Nº / *No.*	TALLA / *SIZE*	SALIENTES / *PROJECTIONS*	FRICCIÓN / *FRICTION*
20	M (57-58)	*CORRECT*	*CORRECT*

Observaciones / *Remarks*: Ensayo realizado según el Método B / *Test carried out according to Method B*

Resultado del ensayo / *Test result* .....*CORRECT*

ENSAYO DE RIGIDEZ / *RIGIDITY TEST*

CASCO / *HELMET*		DIRECCIÓN / *DIRECTION*	RESULTADO / *RESULT*	
Nº / *No.*	TALLA / *SIZE*		DEFORMACIÓN MÁX. / *MAX. DEFORMATION* (≤ 40 mm)	DEFORMACIÓN RESIDUAL / *RESIDUAL DEFORMATION* (≤ 15 mm)
21	XXXL (65-66)	Transversal	13.4	2.5
		Longitudinal	12.4	2.5

Resultado del ensayo / *Test result* .....*CORRECT*

ENSAYO DINÁMICO DEL SISTEMA DE RETENCIÓN / *RETENTION SYSTEM DYNAMIC TEST*

Version 1: Cierre de apertura rápida (micrométrico Nº18) / *Quick release mechanism (micrometric No.18)*

CASCO / *HELMET*			DESPLAZAMIENTO / *DISPLACEMENT*	
Nº / *No.*	TALLA / *SIZE*	CABEZA DE ENSAYO / *TEST HEADFORM*	DINÁMICO / *DYNAMIC* (≤ 35 mm)	RESIDUAL / *RESIDUAL* (≤ 25 mm)
22	XS (53-54)	E (54)	25.8	7.5

Version 2: Cierre de apertura rápida (micrométrico Nº20) / *Quick release mechanism (micrometric No.20)*

CASCO / *HELMET*			DESPLAZAMIENTO / *DISPLACEMENT*	
Nº / *No.*	TALLA / *SIZE*	CABEZA DE ENSAYO / *TEST HEADFORM*	DINÁMICO / *DYNAMIC* (≤ 35 mm)	RESIDUAL / *RESIDUAL* (≤ 25 mm)
23	XS (53-54)	E (54)	26.7	8.4

Resultado del ensayo / *Test result* .....*CORRECT*

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ENSAYO DE DESCALCE / *DETACHING TEST*

Version 1: Cierre de apertura rápida (micrométrico Nº18) / *Quick release mechanism (micrometric No.18)*

CASCO / *HELMET*			DESPLAZAMIENTO / *DISPLACEMENT*	
Nº / *No.*	TALLA / *SIZE*	CABEZA DE ENSAYO / *TEST HEADFORM*	COMPROBACIÓN FRONTAL DEL SISTEMA DE RETENCIÓN/ *RETENTION SYSTEM FRONTAL CHECKING* (≤ 30°)	ÁNGULO GIRADO / *TURNED ANGLE* (≤ 30°)
22	XS (53-54)	E (54)	20.4º	25.8º

Version 2: Cierre de apertura rápida (micrométrico Nº20) / *Quick release mechanism (micrometric No.20)*

CASCO / *HELMET*			DESPLAZAMIENTO / *DISPLACEMENT*	
Nº / *No.*	TALLA / *SIZE*	CABEZA DE ENSAYO / *TEST HEADFORM*	COMPROBACIÓN FRONTAL DEL SISTEMA DE RETENCIÓN/ *RETENTION SYSTEM FRONTAL CHECKING* (≤ 30°)	ÁNGULO GIRADO / *TURNED ANGLE* (≤ 30°)
23	XS (53-54)	E (54)	17.2º	20.7º

Resultado del ensayo / *Test result* .....*CORRECT*

ENSAYO DEL SISTEMA DE RETENCIÓN / *RETENTION SYSTEM TEST*

ENSAYO DE DESLIZAMIENTO DE LA CINTA / *CHIN STRAP MICRO-SLIP TEST*

Frecuencia de ensayo / *Test frequency*: 1 Hz

- Deslizamiento de la cinta / *Slippage through the grip*: 2 mm ≤ 10 mm.....*CORRECT*

ENSAYO DE RESISTENCIA AL ROZAMIENTO DE LA CINTA / *CHIN STRAP RESISTANCE TO ABRASION TEST*

- Resultado de la aplicación de 3 kN de carga a tracción sobre el mecanismo después del proceso de desgaste / *Result of an application of a tensile strain of 3 kN over the chin strap after wearing process*.....*NOT APPLICABLE*

  Nota / *Note* : El deslizamiento de la cinta en el ensayo de deslizamiento es 2 ≤ 5 mm / *The slippage of the strap in the micro-slip test is 2 ≤5 mm*

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ENSAYO DE SISTEMAS DE RETENCIÓN QUE COMPRENDEN MECANISMOS DE APERTURA RÁPIDA (V. 1, 2) / *RETENTION SYSTEM TEST RELYING ON QUICK-RELEASE MECHANISMS (V. 1, 2)*

- El sistema no se abre apoyando una esfera de 100 mm de diámetro con una fuerza de 100 N / *The system does not release under the pressure of a rigid sphere of 100 mm diameter, with a force of 100 N*.....*CORRECT*

- Fuerza de apertura menor a 30 N cuando el sistema está cargado con 150 N, después de la aplicación de una fuerza adicional de 350 N / *Opening force less than 30 N when the system is loaded with 150 N, after the application of an additional force of 350 N*.....*CORRECT*

- Resultado de la aplicación de 2 kN de carga a tracción sobre el mecanismo después del proceso de desgaste (ciclado después del acondicionamiento con solución salina) / *Result of the application of 2 kN of tensile strain over the mechanism after the wearing process (cycling after salt spray conditioning)*:

  – El mecanismo ni se rompe ni se abre / *The mechanism does neither fracture nor disengage*.....*CORRECT*

  – Tras la aplicación de la carga, el mecanismo funciona normalmente / *After the load application, the mechanism operates properly*.....*CORRECT*

(1) Información proporcionada por el cliente. El laboratorio no se hace responsable de dicha información / *Information provided by the client. The laboratory is not responsible for such information*
(2) Los ensayos marcados no están cubiertos por la acreditación ENAC con número 35/LE2594 / *The tests marked are not covered by the accreditation by ENAC with number 35/LE2594*

Lugar del ensayo / *Test place* : L'Albornar, Santa Oliva (Tarragona)
Fecha del ensayo / *Test date* : 09.05.2023-06.07.2023

Antonio Santos Carreño
TÉCNICO DE HOMOLOGACIONES
HOMOLOGATION TECHNICIAN

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IDIADA Automotive Technology, S.A. N.I.F. A43581610 Servicio Técnico Designado de Homologación (TS)

DOCUMENTACIÓN TÉCNICA /
TECHNICAL DOCUMENTATION

MT23040031

R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS AND PASSENGERS OF MOTORCYCLES AND MOPEDS

INDEX OF DOCUMENTATION

Page	Concept	Date
1	GENERAL INFORMATION	AUG. 2023
2	DESCRIPTION OF THE HELMET / SHELL / RETENTION SYSTEM	AUG. 2023
3	PROTECTIVE PADDING / ACCESORIES	AUG. 2023
4	VISOR	AUG. 2023
5	ASSEMBLY DRAWING	AUG. 2023
6	DRAWING OF THE HELMET WITH DIMENSIONS	AUG. 2023
7	DRAWING OF THE PROTECTIVE PADDING (I)	AUG. 2023
8	DRAWING OF THE PROTECTIVE PADDING (II)	AUG. 2023
9	DRAWING OF THE PROTECTIVE PADDING (III)	AUG. 2023
10	DRAWING OF THE PROTECTIVE PADDING (IV)	AUG. 2023
11	DRAWING OF THE PROTECTIVE PADDING (V)	AUG. 2023
12	DRAWING OF THE RETENTION SYSTEM (No.18 Buckle)	AUG. 2023
13	DRAWING OF THE RETENTION SYSTEM (No.20 Buckle)	AUG. 2023
14	DRAWING OF THE VISOR AND MECHANISMS	AUG. 2023
15	MARKING	AUG. 2023
16	USER INSTRUCTIONS (I)	AUG. 2023
17	USER INSTRUCTIONS (II)	AUG. 2023
18	USER INSTRUCTIONS (III)	AUG. 2023
19	USER INSTRUCTIONS (IV)	AUG. 2023

IDIADA MT23040031

1. GENERAL INFORMATION

1.1 Trade mark(s):

MHR, LS2, TAKAI, KTM

1.2. Type:

OF616

1.3. Variants:

1.4. Commercial denominations:

AIRFLOW II, AIRFLOW

1.5. Name and address of manufacturer:

JIANGMEN PENGCHENG HELMETS LTD.
No.01-7 Dongsheng Road, Gonghe Town, Heshan,
Jiangmen City, Guangdong, 529728 P.R. China

1.6. Name and address of assembly plant:

JIANGMEN PENGCHENG HELMETS LTD.
No.01-7 Dongsheng Road, Gonghe Town, Heshan,
Jiangmen City, Guangdong, 529728 P.R. China

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2. DESCRIPTION OF THE HELMET

2.1. Type of helmet: **OPEN FACE**

2.2. Protective option:

Helmet without protective lower face cover (J)

2.3. Shell size(s) and size range in cms:

Shell 1:
XS(53-54cm), S(55-56cm), M(57-58cm), L(59-60cm), XL(61-62cm), XXL(63-64cm), XXXL(65-66cm)

3. SHELL

3.1. Material used: **ABS**

3.2. Ventilations:

3.2.1. Number of ventilations: **2**

4. RETENTION SYSTEM

4.1. Chin strap:

4.1.1. Material: **Nylon**

4.1.2. Width: **22 ± 1 mm**

4.2. Type of buckle(s):

Version 1: Quick release mechamisms (Micrometric No.18)
Version 2: Quick release mechamisms (Micrometric No.20)

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5. PROTECTIVE PADDING

5.1. Composition:

Expanded polystyrene

5.2. Density:

Size	Main Part Kg/m³	Side Part Kg/m³	Top Part Kg/m³
XS	35	40	---
S	35	40	
M	40	50	---
L	55	50	
XL	60	65	24
XXL			
XXXL			

5.3 Weight:

Size	Main Part g	Side Part g	Top Part g
XS	105 ± 5g	47 ± 2g	---
S	102 ± 5g	43 ± 2g	
M	106 ± 5g	54 ± 2g	---
L	160 ± 5g	55 ± 2g	
XL	118 ± 5g	60 ± 2g	25 ± 2g
XXL			
XXXL			

6. ACCESSORIES

6.1. Peak: ----

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7. VISOR

7.1. Approval number: **E9*22R06/02*6432*00**

7.2. Trade Mark: **MHR, LS2**

7.3. Type: **: OF-MHR-110**

7.4. Name and address of manufacturer:

JIANGMEN PENGCHENG HELMETS LTD.
No.01-7 Dongsheng Road, Gonghe Town, Heshan,
Jiangmen City, Guangdong, 529728 P.R. China

7.5. Material: **PC**

7.6. Drawing of the visor: **See page 14**

7.7. Surface treatment: **Anti-scracth (outside)**

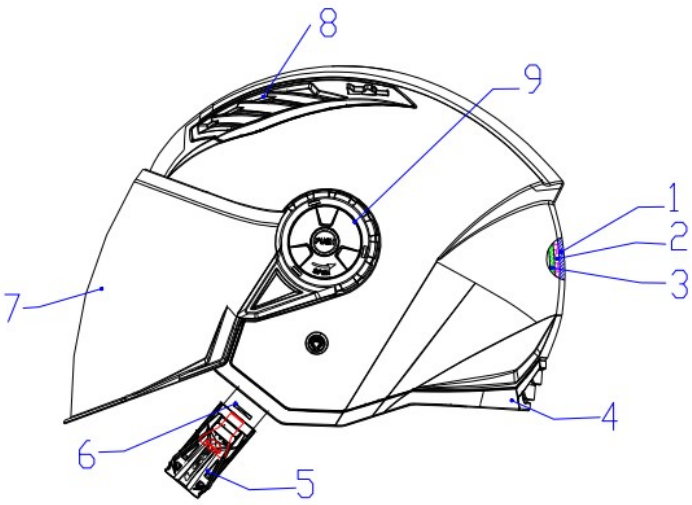
7.8. Colour: **Clear**

7.9. Manufacturing method: **Mould injection.**

7.10. Thickness: **2.0 ± 0.1 mm**

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ASSEMBLY DRAWING



number	name	unit	piece	material
13				
12				
11				
10				
9	侧盖 Side cover	套 set	2	POM/Alloy material
8	顶风窗 top vent	个 piece	2	PC
7	镜片 visor	个 piece	1	PC
6	帽带 chin strap	条 unit	2	nylon
5	18号快速扣 No. 18 Buckle	套 set	1	A3/ stainless steel
4	胶边 rubber ring	套 set	1	PP
3	内衬 comfort padding	套 set	1	nylon
2	泡沫 protective padding	个 piece	5	EPS
1	壳体 Outer shell	个 piece	1	ABS

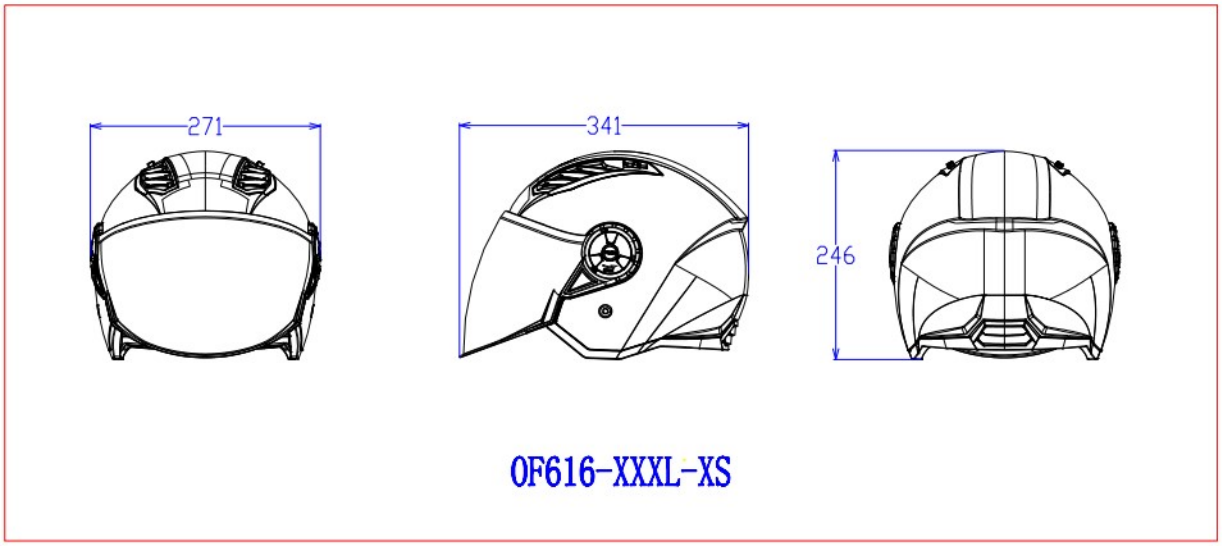
MODEL	OF616-XXXL-XS							
SIZE	XXXL	XXL	XL	L	M	S	XS	
cm	66-65	64-63	62-61	60-59	58-57	56-55	54-53	

技术要求 technical requirement

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

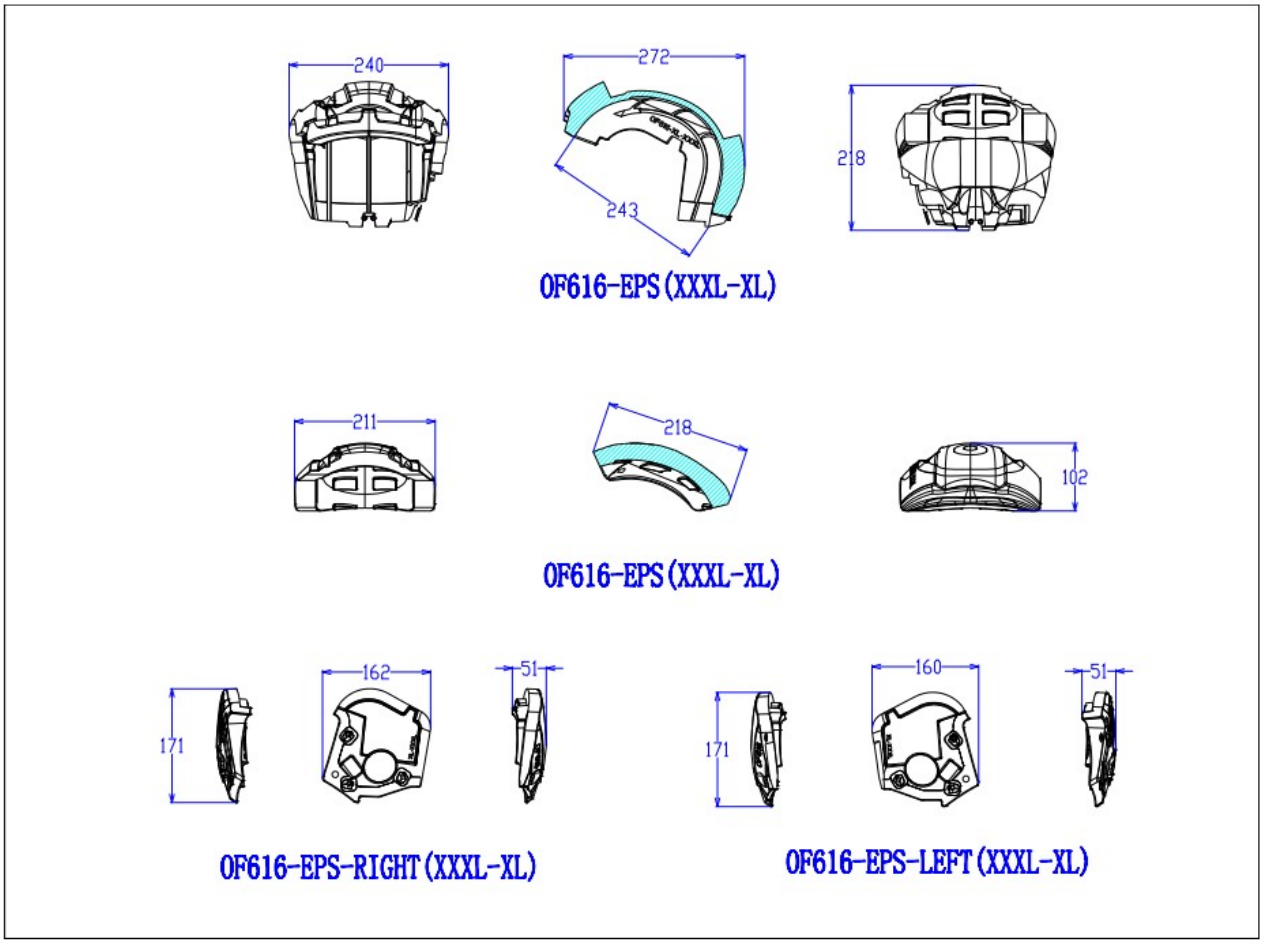
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DRAWING OF THE HELMET WITH DIMENSIONS



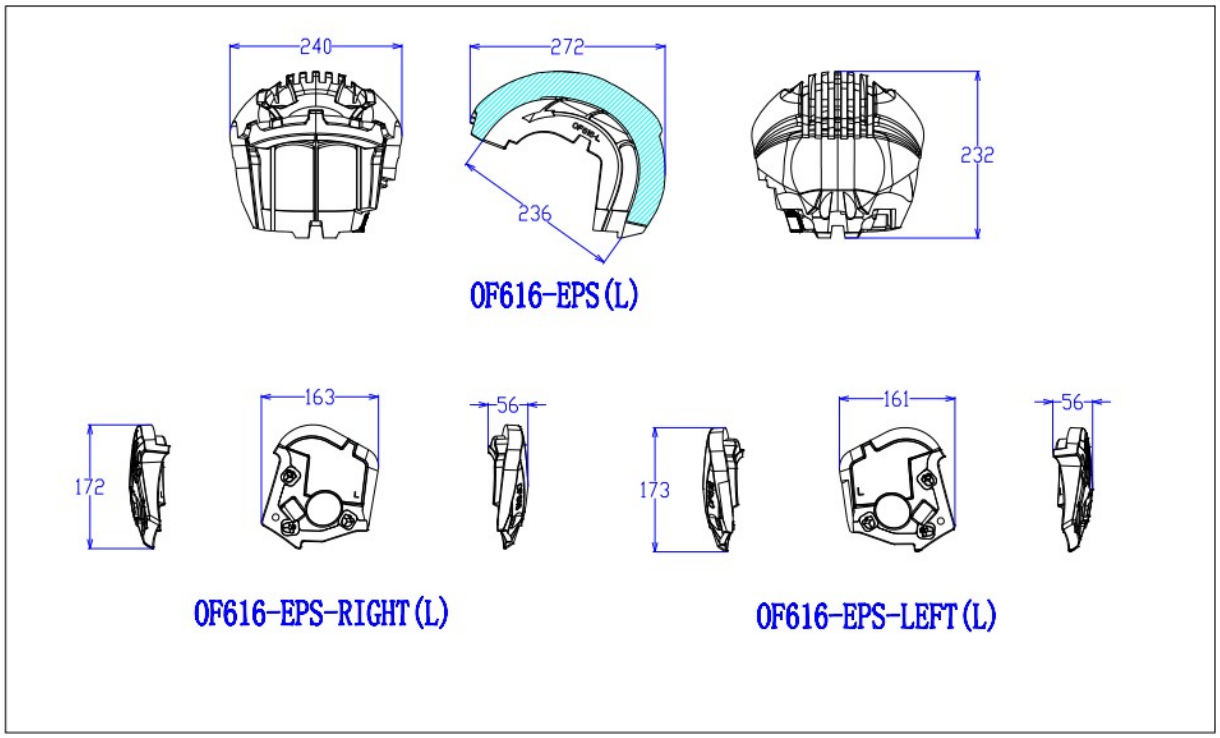
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DRAWING OF PROTECTIVE PADDING (I)
(Sizes XXXL-XL)



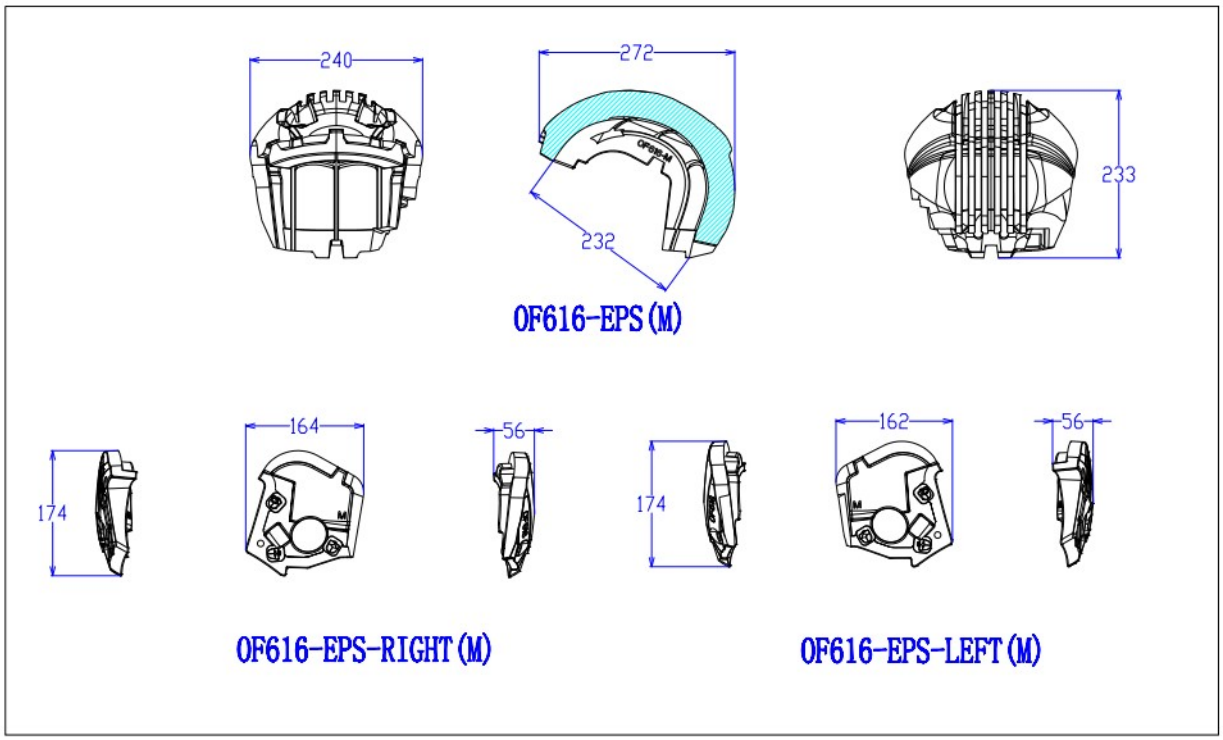
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IDIADA

DRAWING OF PROTECTIVE PADDING (II)
(Size L)



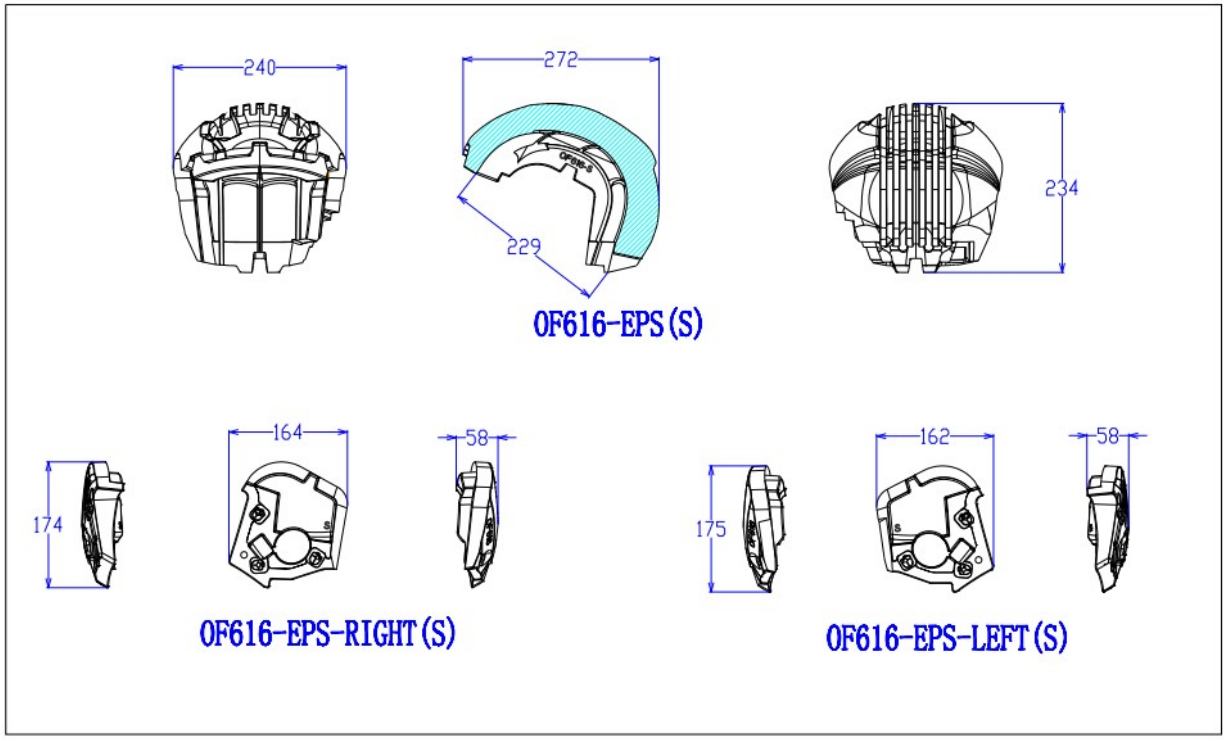
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DRAWING OF PROTECTIVE PADDING (III)
(Size M)



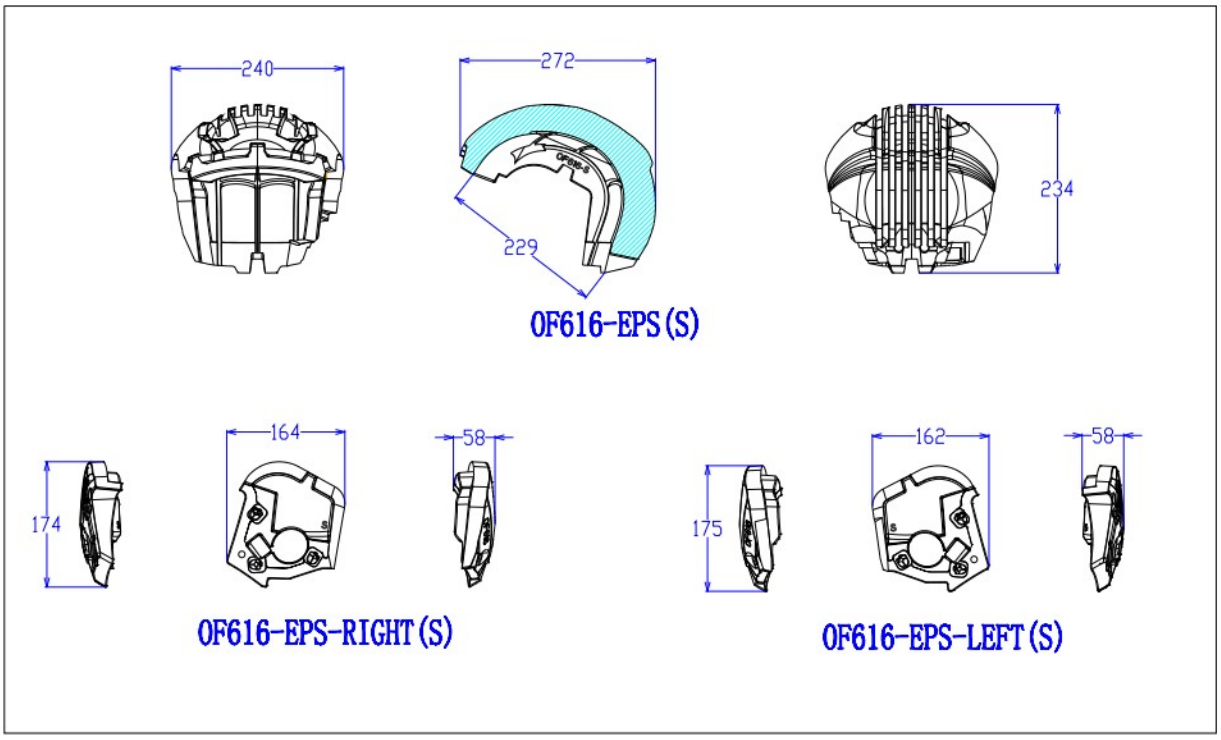
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DRAWING OF PROTECTIVE PADDING (IV)
(Size S)



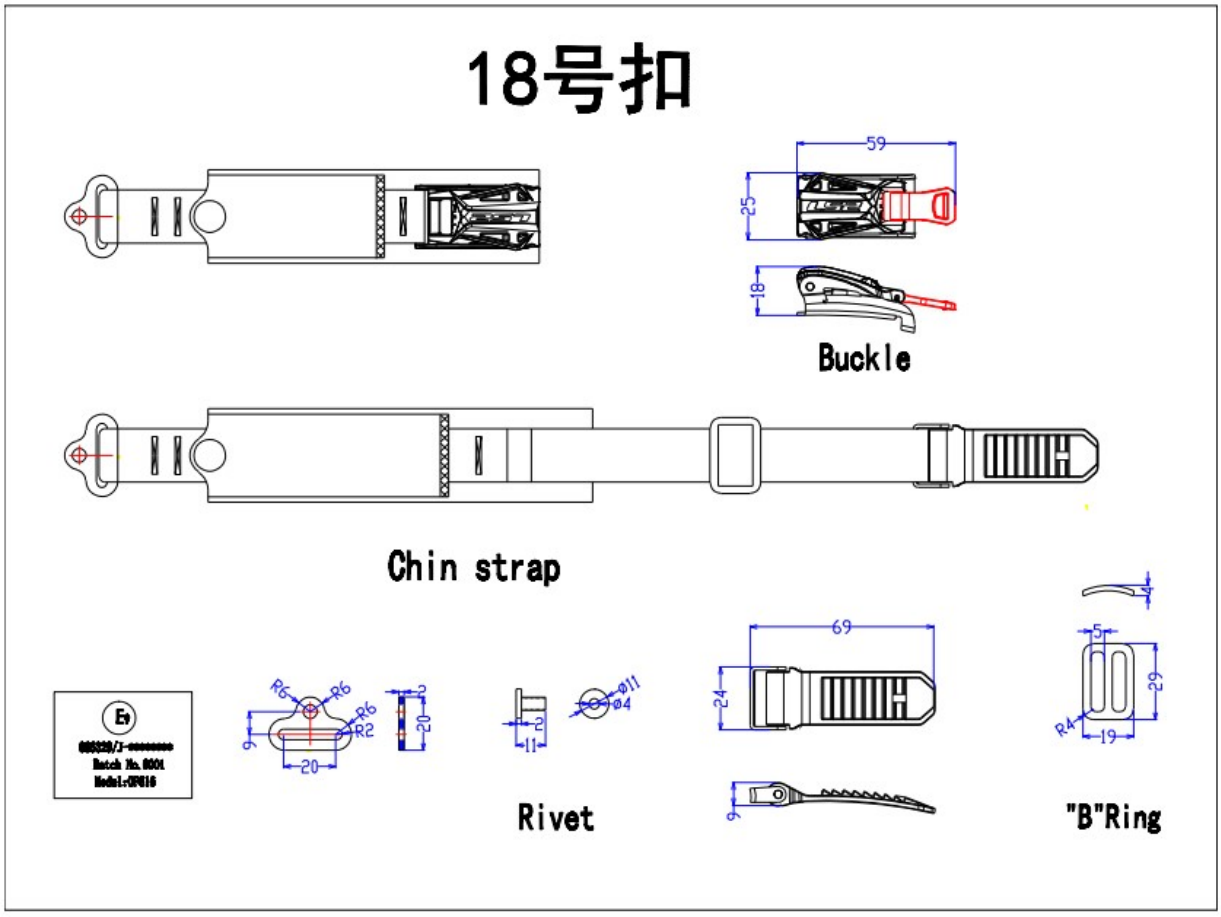
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DRAWING OF PROTECTIVE PADDING (V)
(Size XS)



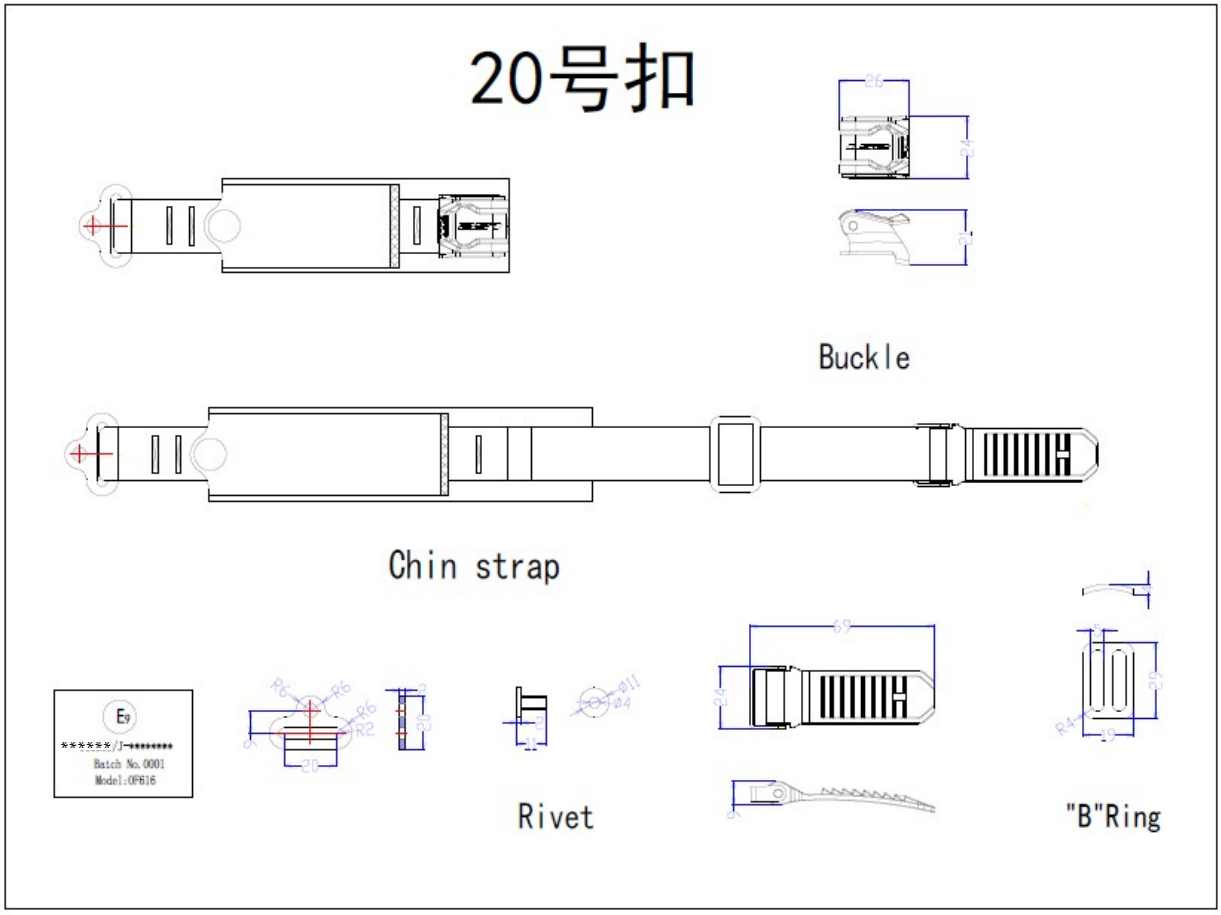
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DRAWING OF THE RETENTION SYSTEM (No.18 Buckle)



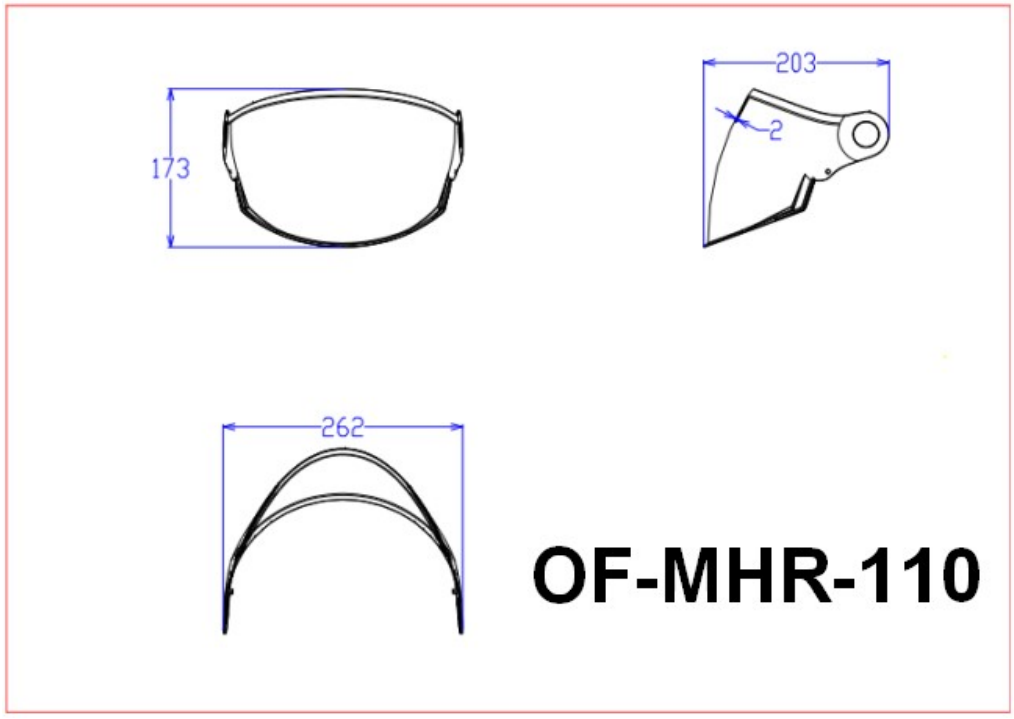
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DRAWING OF THE RETENTION SYSTEM (No.20 Buckle)



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DRAWING OF THE VISOR AND MECHANISMS

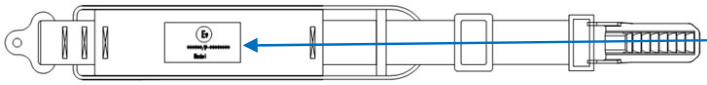






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MARKING



Approval Mark and Serial number



WARNING
ALWAYS CHECK YOUR
HELMET BEFORE RIDING OFF.
①1. Check the shield and visor screws, and retighten them if necessary.
2. Check for cracks in the helmet. Strong acid (for example, battery acid) can damage the shield base. If you find crack damages, stop using the helmet immediately.
3. Plastic components may start to wear out about 5 years after manufacture. If you find deterioration in any part of a component, either replace the component or get a new helmet. If these parts come loose and/or fall off while you are riding, your vision may be blocked which could cause an accident.
4. Check the security of the retention system.
5. For adequate protection, this helmet must fit closely and be securely attached.
6. Any helmet that has sustained a violent impact should be replaced.
7. "'Warning' – Do not apply paint, stickers, petrol or other solvents to this helmet".
CLEAN CAREFULLY YOUR HELMET
②1. Never use hot or salt water, benzene, gasoline, glass cleaner or other solvents. Your helmet could be seriously damaged by these substances without whowing any apparent visible damage. A helmet damaged or weakened by a cleaning Agent may not provide head protection in an accident resulting serious personal injury or death. The correct way to clean a helmet is to mix 5 or 6 drops of mild soap in quart of warm water. Dampen a soft cloth with this solution and wipe the helmet clean. Rinse with a wet cloth.

Manufactured date:
Visor approved for this helmet:
DO NOT REMOVE THIS LABEL
Manufactured by MHR. Made in China



Size / Weight
L (59-60) / 1250 g

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USER INSTRUCTIONS (I)



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USER INSTRUCTIONS (II)

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 thorougly 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.

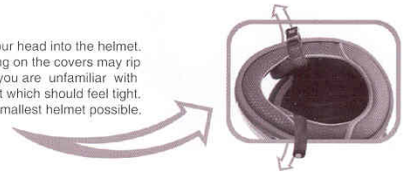
1 To determinate proper fit.

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.



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.



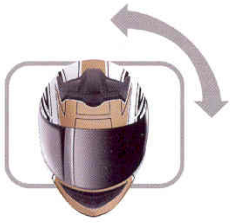
4 Check the retention system and go through the following steps.

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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USER INSTRUCTIONS (III)

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.

page 4

ENGLISH

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.**

page 5

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USER INSTRUCTIONS (IV)

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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