



MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

DIRECCIÓN GENERAL DE
INDUSTRIA Y
DE LA PEQUEÑA Y MEDIANA
EMPRESA



E9*22R06/02*6466*00

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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- retirada de homologación / *approval withdrawn*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 N° 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 N° / *Approval No.*: E9*22R06/02*6466*00

Extensión N° / *Extension No.* 00

1. Marca de fábrica o comercial / *Trade mark*: MHR, LS2, TAKAI, KTM
2. Tipo / *Type*: MX702
Variantes / *Variants*: MX702, MX708
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 / *Address*:
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 protectorio (P) / ~~con mentón no protectorio (NP)~~ / ~~con mentón protectorio móvil o extraíble (P/I)~~ ⁽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/I)* ⁽¹⁾
10. Tipo de pantalla o pantallas / *Type of visor or visors*: MX-MHR-111 (E9*22R06/02*6467*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*

Pº DE LA CASTELLANA, 160, 10ª - 28071 MADRID
SEDE-E <https://sedeaplicaciones.minetur.gob.es/consultasSGCSI/>

TLF.: 91 349.51.08



Código: 14265219-85466134LKOV3WQ7E0X7 Autenticidad verificable en: <https://serviciosmin.gob.es/arce>
Documento electrónico, página 1 de 4.



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: 27.11.2023*
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: 12.01.2024*
18. Nº del acta de ensayos emitida por este servicio / *Number of report issued by that service: MT23090021*
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*





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 de Estado de Industria, 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 appealed² 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 de Estado de Industria.

² Note: Appeal on the following link:

<https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157>





INFORME N° / REPORT No. MT23090021

CASCOS DE PROTECCIÓN, SUS PANTALLAS Y SUS ACCESORIOS PARA CONDUCTORES Y PASAJEROS DE MOTOCICLETAS Y CICLOMOTORES SEGÚN EL REGLAMENTO UN N° 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⁾ : MX702

Variantes / *Variants* ⁽¹⁾ : MX702, MX708

Denominaciones comerciales /
Commercial denominations ⁽¹⁾ : MX702-1, MX708-1, PIONEER II, FAST II

Lugar y fecha de emisión del
informe / *Test report place and date* : L'Albornar, Santa Oliva (Tarragona)
12.01.2024

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 N° 22R06/02, según se detalla en la hoja de ensayo anexa a este informe. / *The helmet submitted for test FULFILLS the specifications relating to the homologation of helmets, their visors and their accessories 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.*

Realizado / *Performed* by :

Antonio Santos Carreño
TÉCNICO DE HOMOLOGACIONES
HOMOLOGATION TECHNICIAN

Vº. Bº. / *Revised* by :

Víctor Costa Escarrà
JEFE DE DEPARTAMENTO
DEPARTMENT MANAGER

* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.

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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⁾ : MX702
 Variantes ensayadas / *Tested Variants* ⁽¹⁾ : MX702, MX708
 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.* : CA2311/08, CA2311/14, CA2311/41, CA2312/09, CA2312/18

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

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

Validate this report with the security code «46AD7DQM» at: <https://extranet.idiada.com/hom-cve>
 Verifique el informe con código de seguridad «46AD7DQM» en: <https://extranet.idiada.com/hom-cve>

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 * LA REGLA DE DECISIÓN UTILIZADA, SEGÚN LA NORMA ILAC-G8, HA SIDO LA DECLARACIÓN BINARIA DE ACEPTACIÓN SIMPLE.
 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 / <i>Shell</i>	:	Fibra de vidrio / <i>Fiberglass</i>
Relleno de protección / <i>Protective padding</i>	:	Poliestireno expandido (EPS) / <i>Expanded polystyrene (EPS)</i>
Peso del casco en gramos / <i>Helmet weight in grams</i>	:	XXXL-XL (1700g), L-M (1700g), S-XS (1600g)
Sistema de retención / <i>Retention system</i>	:	Version 1: Cierre de apertura rápida (micrométrico N.º.13) / <i>Quick release mechanism (micrometric No.13)</i> Version 2: Cierre de apertura rápida (micrométrico N.º.22) / <i>Quick release mechanism (micrometric No.22)</i> Version 3: Doble anilla en D / <i>Double-D rings</i>
Pantalla / <i>Visor</i>	:	MX-MHR-111 (E9*22R06/02*6467*00)
Filtro solar / <i>Sun shield</i>	:	SF-MHR-12

ESPECIFICACIONES GENERALES / GENERAL SPECIFICATIONS

1. Constitución básica /
Basic constructionCORRECT
2. Accesorios / *Accessories*:

Visera / *Peak*
3. Opción protectora / *Protective option*:

Con mentón protectorio (P) / *With protective lower face cover (P)*
4. Extensión de la protección / *Extent of the protection*:
 - 4.1. Área cubierta por la carcasa /
Area covered by the shellCORRECT
 - 4.2. Área cubierta por el relleno protector /
Area covered by the protective paddingCORRECT
5. Proyecciones o irregularidades en la parte exterior de la carcasa /
Projections or irregularities in the outer shellCORRECT
6. Interior del casco /
Inside of helmetCORRECT
7. Sistema de retención protegido contra la abrasión /
Retention system protected against abrasionCORRECT

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8. Sistema de retención / *Retention system*:
 - 8.1. Anchura de la cinta /
Chin strap widthCORRECT
 - 8.2. Cinta desprovista de mentonera /
Chin strap does not include a chin-cupCORRECT
 - 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 devicesCORRECT
 - 8.5. Dispositivo de apertura rápida con barra deslizante o doble anillo en D (Versión 3) /
Sliding bar or double-D ring fastening devices (Version 3):
 - 8.5.1. Apertura únicamente con acción voluntaria /
Opening only with voluntary action.....CORRECT
 - 8.5.2. Patilla de desenganche del mecanismo /
Releasing pulling flap.....CORRECT
 - 8.6. Mecanismo de apertura rápida (Versión 1, 2) /
Quick release mechanism (Version 1, 2).....CORRECT
 - 8.7. Facilidad de apertura del cierre /
Ease of release.....CORRECT
 - 8.8. Protección contra manipulación incorrecta del cierre (Versión 1, 2) /
Buckle protected against incorrect manipulation (Version 1, 2).....CORRECT
9. Estado del casco después del ensayo /
Helmet status after testCORRECT
10. Visión periférica / *Peripheral vision*:
 - Horizontal / *Horizontal* ($\geq 105^\circ$).....CORRECT
 - Hacia arriba / *Upwards* ($\geq 7^\circ$).....CORRECT
 - Hacia abajo / *Downwards* ($\geq 45^\circ$).....CORRECT
 - Deflector de respiración / *Breath deflector*.....CORRECT
11. Marcado de visibilidad / *Conspicuity marking*.....NOT APPLICABLE
12. Filtro solar / *Sun shield*:
 - 12.1. Maniobrabilidad / *Maneuverability*CORRECT
 - 12.2. Visión periférica del usuario / *User's peripheral vision*.....CORRECT
 - 12.3. Guarniciones y dispositivos de maniobrabilidad /
Fixings and devices to allow the maneuverabilityCORRECT
 - 12.4. Defectos de visión / *Vision defects*.....CORRECT

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

Variante / *Variant*: MX702

TALLA / *SIZE*: XXXL (65-66)

Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 275 g	HIC ≤ 2400
1	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	7.5	B	192	1563
				X	205	1574
				P	180	1667
				R	204	1827
2	AMBIENTE / <i>AMBIENT</i>	CUÑA / <i>KERBSTONE</i>	7.5	B	181	1084
				X	194	1106
				P	143	1041
				R	143	1098
3	-10 °C	PLANO / <i>FLAT</i>	7.5	B	195	1483
				X	199	1579
				P	198	2075
				R	213	1905
			6.0	S	221	740
4	+50 °C	CUÑA / <i>KERBSTONE</i>	7.5	B	158	1046
				X	204	1121
				P	152	1096
				R	156	1127
5	UV + H ₂ O	PLANO / <i>FLAT</i>	7.5	B	198	1716
				X	203	1579
				P	192	1950
				R	209	1864

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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	AMBIENTE / AMBIENT	PLANO / FLAT	7.5	B	231	1935
				X	203	1506
				P	188	1913
				R	189	1624
7	AMBIENTE / AMBIENT	CUÑA / KERBSTONE	7.5	B	183	1238
				X	214	1182
				P	139	1046
				R	140	964
8	-10 °C	PLANO / FLAT	7.5	B	221	1910
				X	206	1506
				P	192	2053
				R	197	1660
			6.0	S	142	507
9	+50 °C	CUÑA / KERBSTONE	7.5	B	221	1274
				X	232	1226
				P	153	1105
				R	148	947
10	UV + H ₂ O	PLANO / FLAT	7.5	B	217	1786
				X	207	1507
				P	192	2010
				R	192	1667

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

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IDIADA MT23090021

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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
11	AMBIENTE / AMBIENT	PLANO / FLAT	7.5	B	183	1526
				X	235	1797
				P	169	1666
				R	160	1431
12	AMBIENTE / AMBIENT	CUÑA / KERBSTONE	7.5	B	153	1084
				X	183	1177
				P	168	1009
				R	143	961
13	-10 °C	PLANO / FLAT	7.5	B	186	1577
				X	208	1544
				P	184	1779
				R	154	1218
			6.0	S	124	293
14	+50 °C	CUÑA / KERBSTONE	7.5	B	167	1155
				X	183	1183
				P	165	1024
				R	138	932
15	UV + H ₂ O	PLANO / FLAT	7.5	B	186	1560
				X	215	1657
				P	176	1690
				R	167	1443

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IDIADA MT23090021

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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
16	-10 °C	PLANO / FLAT	7.5	B	189	1571
				X	188	1362
				P	188	1998
				R	178	1588
			6.0	S	130	264
17	+50 °C	CUÑA / KERBSTONE	7.5	B	211	1185
				X	162	954
				P	158	1035
				R	136	966

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
18	-10 °C	PLANO / FLAT	7.5	B	195	1679
				X	193	1384
				P	192	1985
				R	166	1191
			6.0	S	116	292
19	+50 °C	CUÑA / KERBSTONE	7.5	B	164	1099
				X	170	1080
				P	171	973
				R	143	854

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Variante / Variant: MX708

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
38	AMBIENTE / AMBIENT	PLANO / FLAT	7.5	B	143	1041
				X	189	1484
				P	176	1733
				R	174	1459
39	AMBIENTE / AMBIENT	CUÑA / KERBSTONE	7.5	B	144	832
				X	178	1072
				P	141	969
				R	156	974
40	-10 °C	PLANO / FLAT	7.5	B	141	1050
				X	194	1466
				P	179	1810
				R	175	1414
				6.0	S	120
41	+50 °C	CUÑA / KERBSTONE	7.5	B	167	837
				X	187	1052
				P	168	1007
				R	190	1008
42	UV + H ₂ O	PLANO / FLAT	7.5	B	146	1068
				X	194	1493
				P	171	1680
				R	170	1345

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IDIADA MT23090021

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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
43	AMBIENTE / AMBIENT	PLANO / FLAT	7.5	B	147	1052
				X	196	1437
				P	187	1901
				R	161	1256
44	AMBIENTE / AMBIENT	CUÑA / KERBSTONE	7.5	B	183	933
				X	195	1120
				P	142	987
				R	131	853
45	-10 °C	PLANO / FLAT	7.5	B	146	1057
				X	203	1502
				P	183	1913
				R	165	1311
			6.0	S	178	489
46	+50 °C	CUÑA / KERBSTONE	7.5	B	224	1027
				X	208	1117
				P	147	949
				R	125	806
47	UV + H ₂ O	PLANO / FLAT	7.5	B	160	1127
				X	193	1398
				P	181	1843
				R	160	1271

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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
48	AMBIENTE / AMBIENT	PLANO / FLAT	7.5	B	145	1014
				X	178	1302
				P	191	1947
				R	159	1368
49	AMBIENTE / AMBIENT	CUÑA / KERBSTONE	7.5	B	136	866
				X	193	1200
				P	169	1350
				R	142	970
50	-10 °C	PLANO / FLAT	7.5	B	150	1099
				X	200	1451
				P	195	2003
				R	161	1258
			6.0	S	65	135
51	+50 °C	CUÑA / KERBSTONE	7.5	B	138	846
				X	196	1199
				P	172	1148
				R	144	976
52	UV + H ₂ O	PLANO / FLAT	7.5	B	144	1057
				X	177	1305
				P	193	1944
				R	159	1360

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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
53	-10 °C	PLANO / FLAT	7.5	B	139	1004
				X	190	1374
				P	191	1986
				R	163	1394
			6.0	S	84	234
54	+50 °C	CUÑA / KERBSTONE	7.5	B	144	796
				X	164	926
				P	158	932
				R	128	901

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
55	-10 °C	PLANO / FLAT	7.5	B	140	948
				X	179	1267
				P	197	2039
				R	151	1172
			6.0	S	56	107
56	+50 °C	CUÑA / KERBSTONE	7.5	B	136	792
				X	166	983
				P	169	1100
				R	137	893

Resultado del ensayo / Test resultCORRECT

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

Variante / *Variant*: MX702

TALLA / *SIZE*: XXXL (65-66)

Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 275 g	HIC ≤ 2400
20	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	7.5	BXPL	193	1911
				XPR	185	1413
				RXL	176	1533

TALLA / *SIZE*: L (59-60)

Cabeza de ensayo / *Test headform*: M (60)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 275 g	HIC ≤ 2400
21	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	7.5	BXR	193	1911
				XPL	185	1570
				RXPR	186	1547

Resultado del ensayo / *Test result*CORRECT

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



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

Variante / *Variant*: MX708

TALLA / *SIZE*: XXXL (65-66)

Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 275 g	HIC ≤ 2400
57	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	7.5	BXPL	178	1671
				XPR	174	1364
				RXL	164	1275

TALLA / *SIZE*: L (59-60)

Cabeza de ensayo / *Test headform*: M (60)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 275 g	HIC ≤ 2400
58	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	7.5	BXR	136	998
				XPL	180	1622
				RXPR	162	1092

Resultado del ensayo / *Test result*CORRECT

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

Variante / Variant: MX702

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
22	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	220	1996
				X	226	1940
				P	218	2350
				R	227	2342

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 ≤ 2880
23	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	237	2262
				X	243	2013
				P	212	2463
				R	211	2019

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 ≤ 2880
24	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	208	2032
				X	247	2079
				P	208	2131
				R	176	1697

Resultado del ensayo / Test resultCORRECT

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

Variante / Variant: MX708

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
59	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	169	1414
				X	221	1902
				P	186	2055
				R	191	1765

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 ≤ 2880
60	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	186	1564
				X	216	1755
				P	193	2139
				R	177	1568

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 ≤ 2880
61	AMBIENTE / AMBIENT	PLANO / FLAT	8.2	B	174	1498
				X	219	1824
				P	192	1876
				R	171	1570

Resultado del ensayo / Test resultCORRECT

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

Variante / *Variant*: MX702

TALLA / *SIZE*: XXXL (65-66)

Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
25	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	141	845
				X	139	740
				P	146	1106
				R	169	1139

TALLA / *SIZE*: L (59-60)

Cabeza de ensayo / *Test headform*: M (60)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
26	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	171	1084
				X	142	790
				P	149	1136
				R	157	986

TALLA / *SIZE*: S (55-56)

Cabeza de ensayo / *Test headform*: E (54)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
27	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	140	866
				X	144	766
				P	150	1097
				R	151	1031

Resultado del ensayo / *Test result*CORRECT

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

Variante / *Variant*: MX708

TALLA / *SIZE*: XXXL (65-66)

Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
62	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	106	579
				X	145	816
				P	150	1114
				R	132	771

TALLA / *SIZE*: L (59-60)

Cabeza de ensayo / *Test headform*: M (60)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
63	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	106	559
				X	139	749
				P	153	1149
				R	131	734

TALLA / *SIZE*: S (55-56)

Cabeza de ensayo / *Test headform*: E (54)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOCIDAD / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					Acc _(g) max ≤ 180 g	HIC ≤ 1300
64	AMBIENTE / <i>AMBIENT</i>	PLANO / <i>FLAT</i>	6.0	B	102	529
				X	136	672
				P	158	903
				R	135	830

Resultado del ensayo / *Test result*CORRECT

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 ENSAYO DE ABSORCIÓN DE IMPACTO OBLICUO / *OBLIQUE IMPACT ABSORPTION TEST*

 Variante / *Variant*: MX702

 TALLA / *SIZE*: XXXL (65-66)

 Cabeza de ensayo / *Test headform*: O (62)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOC. / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					PRA max ≤ 10.400 rad/s ²	BrIC ≤ 0.78
28	AMBIENTE / <i>AMBIENT</i>	45°	8.0	Front lat. dcha. / <i>Front lat. right</i> (45°)	1462	0.16
				Trasero / <i>Rear</i> (180°)	3865	0.34
				Lateral izq. / <i>Lateral left</i> (270°)	2548	0.33
29	AMBIENTE / <i>AMBIENT</i>	45°	8.0	Frontal / <i>Frontal</i> (0°)	3906	0.37
				Trasero lat. dcha. / <i>Rear lat. right</i> (135°)	2775	0.32

 TALLA / *SIZE*: L (59-60)

 Cabeza de ensayo / *Test headform*: M (60)

Nº / <i>No.</i>	ACONDIC. / <i>CONDITIONING</i>	YUNQUE / <i>ANVIL</i>	VELOC. / <i>SPEED</i> (m/s)	PUNTO IMPACTO / <i>IMPACT POINT</i>	RESULTADOS / <i>RESULTS</i>	
					PRA max ≤ 10.400 rad/s ²	BrIC ≤ 0.78
30	AMBIENTE / <i>AMBIENT</i>	45°	8.0	Front lat. dcha. / <i>Front lat. right</i> (45°)	1525	0.13
				Trasero / <i>Rear</i> (180°)	2732	0.35
				Lateral izq. / <i>Lateral left</i> (270°)	2306	0.15
31	AMBIENTE / <i>AMBIENT</i>	45°	8.0	Frontal / <i>Frontal</i> (0°)	4306	0.45
				Trasero lat. dcha. / <i>Rear lat. right</i> (135°)	2933	0.40

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TALLA / SIZE: S (55-56)

Cabeza de ensayo / Test headform: E (54)

Nº / No.	ACONDIC. / CONDITIONING	YUNQUE / ANVIL	VELOC. / SPEED (m/s)	PUNTO IMPACTO / IMPACT POINT	RESULTADOS / RESULTS	
					PRA max ≤ 10.400 rad/s ²	BrIC ≤ 0.78
32	AMBIENTE / AMBIENT	45°	8.0	Front lat. dcha. / Front lat. right (45°)	1471	0.14
				Trasero / Rear (180°)	5730	0.32
				Lateral izq. / Lateral left (270°)	1060	0.08
33	AMBIENTE / AMBIENT	45°	8.0	Frontal / Frontal (0°)	4099	0.44
				Trasero lat. dcha. / Rear lat. right (135°)	3560	0.52

Resultado del ensayo / Test resultCORRECT

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

Variante / Variant: MX702

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

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

Resultado del ensayo / Test resultCORRECT

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MT23090021

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ENSAYO DE RIGIDEZ / RIGIDITY TEST

Variante / Variant: MX702

CASCO / HELMET		DIRECCIÓN / DIRECTION	RESULTADO / RESULT	
Nº / No.	TALLA / SIZE		DEFORMACIÓN MÁX. / MAX. DEFORMATION (≤ 40 mm)	DEFORMACIÓN RESIDUAL / RESIDUAL DEFORMATION (≤ 15 mm)
35	XXXL (65-66)	Transversal	14.5	2.8
		Longitudinal	17.2	3.7
36	L (59-60)	Transversal	17.4	3.0
		Longitudinal	17.8	2.4
37	S (55-56)	Transversal	14.0	3.1
		Longitudinal	18.4	4.3

Resultado del ensayo / Test resultCORRECT

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ENSAYO DINÁMICO DEL SISTEMA DE RETENCIÓN / RETENTION SYSTEM DYNAMIC TEST

Variante / Variant: **MX708**

Version 1: Cierre de apertura rápida (micrométrico N°.13) / Quick release mechanism (micrometric No.13)

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
N° / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	DINÁMICO / DYNAMIC (≤ 35 mm)	RESIDUAL / RESIDUAL (≤ 25 mm)
65	XL (61-62)	O (62)	23.8	6.4
66	M (57-58)	J (57)	31.1	9.5
67	XS (53-54)	E (54)	29.8	7.4

Version 2: Cierre de apertura rápida (micrométrico N°.22) / Quick release mechanism (micrometric No.22)

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
N° / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	DINÁMICO / DYNAMIC (≤ 35 mm)	RESIDUAL / RESIDUAL (≤ 25 mm)
68	XL (61-62)	O (62)	28.7	7.7
69	M (57-58)	J (57)	30.6	8.9
70	XS (53-54)	E (54)	30.3	7.4

Version 3: Doble anilla en D / Double-D rings

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
N° / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	DINÁMICO / DYNAMIC (≤ 35 mm)	RESIDUAL / RESIDUAL (≤ 25 mm)
71	XL (61-62)	O (62)	30.8	10.9
72	M (57-58)	J (57)	30.9	10.1
73	XS (53-54)	E (54)	28.3	8.7

Resultado del ensayo / Test resultCORRECT

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



ENSAYO DE DESCALCE / DETACHING TEST

Variante / Variant: **MX708**

Version 1: Cierre de apertura rápida (micrométrico N°.13) / *Quick release mechanism (micrometric No.13)*

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
Nº / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	COMPROBACIÓN FRONTAL DEL SISTEMA DE RETENCIÓN / RETENTION SYSTEM FRONTAL CHECKING ($\leq 30^\circ$)	ÁNGULO GIRADO / TURNED ANGLE ($\leq 30^\circ$)
65	XL (61-62)	O (62)	7.0°	16.3°
66	M (57-58)	J (57)	27.4°	14.8°
67	XS (53-54)	E (54)	24.8°	18.4°

Version 2: Cierre de apertura rápida (micrométrico N°.22) / *Quick release mechanism (micrometric No.22)*

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
Nº / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	COMPROBACIÓN FRONTAL DEL SISTEMA DE RETENCIÓN / RETENTION SYSTEM FRONTAL CHECKING ($\leq 30^\circ$)	ÁNGULO GIRADO / TURNED ANGLE ($\leq 30^\circ$)
68	XL (61-62)	O (62)	5.3°	16.4°
69	M (57-58)	J (57)	27.3°	17.9°
70	XS (53-54)	E (54)	17.8°	16.8°

Version 3: Doble anilla en D / *Double-D rings*

CASCO / HELMET			DESPLAZAMIENTO / DISPLACEMENT	
Nº / No.	TALLA / SIZE	CABEZA DE ENSAYO / TEST HEADFORM	COMPROBACIÓN FRONTAL DEL SISTEMA DE RETENCIÓN / RETENTION SYSTEM FRONTAL CHECKING ($\leq 30^\circ$)	ÁNGULO GIRADO / TURNED ANGLE ($\leq 30^\circ$)
71	XL (61-62)	O (62)	5.0°	13.1°
72	M (57-58)	J (57)	24.6°	12.9°
73	XS (53-54)	E (54)	25.4°	15.5°

Resultado del ensayo / Test resultCORRECT

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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: $1 \text{ mm} \leq 10 \text{ mm}$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 $1 \leq 5 \text{ mm}$ /
The slippage of the strap in the micro-slip test is $1 \leq 5 \text{ mm}$

ENSAYO DE SISTEMAS DE RETENCIÓN QUE COMPRENEN 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

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

Validate this report with the security code «46AD7DQM» at: <https://extranet.idiada.com/hom-cve>
Verifique el informe con código de seguridad «46AD7DQM» en: <https://extranet.idiada.com/hom-cve>

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* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.
THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.

* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.
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* EL LABORATORIO HA CALCULADO LA INCERTIDUMBRE DE MEDIDA ASOCIADA A LOS RESULTADOS.
MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

* LA REGLA DE DECISIÓN UTILIZADA, SEGÚN LA NORMA ILAC-G8, HA SIDO LA DECLARACIÓN BINARIA DE ACEPTACIÓN SIMPLE.
THE DECISION RULE USED, ACCORDING TO THE ILAC-G8 STANDARD, WAS THE BINARY STATEMENT FOR SIMPLE ACCEPTANCE.



ENSAYOS DE FILTRO SOLAR / SUN SHIELD TESTS

TRANSMITANCIA LUMÍNICA / LUMINOUS TRANSMITTANCE

Nº DE MUESTRA / SAMPLE No.	TRANSMITANCIA LUMÍNICA / LUMINOUS TRANSMITTANCE (τ_v) \geq 20%
1	28.6 %
2	28.7 %
3	29.4 %

Resultado del ensayo / Test resultCORRECT

RECONOCIMIENTO DE LAS SEÑALES LUMINOSAS / RECOGNITION OF SIGNAL LIGHTS

COCIENTE DE ATENUACIÓN RELATIVA VISUAL (Q) / RELATIVE VISUAL ATTENUATION QUOTIENT (Q)				
Nº DE MUESTRA / SAMPLE No.	ROJO / RED (\geq 0.8)	AMARILLO / YELLOW (\geq 0.6)	VERDE / GREEN (\geq 0.6)	AZUL / BLUE (\geq 0.6)
1	1.10	0.96	1.00	1.23
2	1.10	0.96	1.00	1.23
3	1.10	0.96	1.00	1.23

Resultado del ensayo / Test resultCORRECT

THE TESTS HAVE BEEN CARRIED OUT BY IDIADA AUTOMOTIVE TECHNOLOGY, S.A. (TS) LABORATORY ACCREDITED BY ENAC WITH NUMBER OF ACCREDITATION 35/LE2694
 LOS ENSAYOS HAN SIDO REALIZADOS POR IDIADA AUTOMOTIVE TECHNOLOGY, S.A. (TS) ACREDITADO POR ENAC CON NÚMERO DE ACREDITACIÓN 35/LE2694

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TRANSMITANCIA ESPECTRAL / SPECTRAL TRANSMITTANCE

Nº DE MUESTRA / SAMPLE No.	TRANSMITANCIA ESPECTRAL / SPECTRAL TRANSMITTANCE ($\geq 0.2 \tau_v$)
1	22.5 %
2	22.6 %
3	23.0 %

Resultado del ensayo / Test resultCORRECT

PODERES REFRACTIVOS / REFRACTIVE POWERS

Nº DE MUESTRA / SAMPLE No.	EFECTO ESFÉRICO / SPHERICAL EFFECT [-0.12 → +0.12](m ⁻¹)		EFECTO ASTIGMÁTICO / ASTIGMATIC EFFECT ($\leq 0.12 \text{ m}^{-1}$)		PODER PRISMÁTICO / PRISMATIC POWER (cm/m)		
	Left Sight Point	Right Sight Point	Left Sight Point	Right Sight Point	HORIZONTAL		VERTICAL (≤ 0.25)
					Base Out (≤ 1.00)	Base In (≤ 0.25)	
4	-0.044	-0.045	0.035	0.005	0.30	---	0.05
5	-0.042	-0.047	0.020	0.015	0.30	---	0.05
6	-0.045	-0.049	0.026	0.026	0.30	---	0.05

Resultado del ensayo / Test resultCORRECT

Lugar del ensayo / Test place : L'Albornar, Santa Oliva (Tarragona)
 Fecha del ensayo / Test date : 27.11.2023-15.12.2023



Antonio Santos Carreño
 TÉCNICO DE HOMOLOGACIONES
 HOMOLOGATION TECHNICIAN

⁽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

- * LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.
 THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.
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DOCUMENTACIÓN TÉCNICA /
TECHNICAL DOCUMENTATION

TYPE:
MX702



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

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3	PROTECTIVE PADDING	JAN. 2024
4	PROTECTIVE PADDING / ACCESORIES	JAN. 2024
5	VISOR (Only for variant MX702)	JAN. 2024
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16	DRAWING OF THE PROTECTIVE PADDING (VI)	JAN. 2024
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**R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS**

1. GENERAL INFORMATION

1.1 Trade mark(s):

MHR, LS2, TAKAI, KTM

1.2. Type:

MX702

1.3. Variants:

MX702, MX708

1.4. Commercial denominations:

MX702-1, MX708-1, PIONEER II, FAST II

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**



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

2. DESCRIPTION OF THE HELMET

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

2.2. Protective option:

Helmet with protective lower face cover (P)

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

Shell 1: XL(61-62cm), XXL(63-64cm), XXXL(65-66cm)

Shell 2: M(57-58cm), L(59-60cm)

Shell 3: XS(53-54cm), S(55-56cm)

3. SHELL

3.1. Material used: **ABS**

3.2. Ventilations:

3.2.1. Number of ventilations: **10**

4. RETENTION SYSTEM

4.1. Chin strap:

4.1.1. Material: **Nylon**

4.1.2. Width: **21 ± 1 mm**

4.2. Type of buckle(s):

Version 1: Quick release mechanism (Micrometric No.13)

Version 2: Quick release mechanism (Micrometric No.22)

Version 3: Double-D Rings



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

5. PROTECTIVE PADDING

5.1. Composition:

Expanded polystyrene

5.2. Density:

Variant MX702:

Size	Main Part Kg/m ³	Side Part Kg/m ³	TOP Part Kg/m ³	Middle Part Kg/m ³	Small Part Kg/m ³
XS	40	40	/	80	60
S	40	40	/		
M	45	50	24		
L	55	55			
XL	60	65	24		
XXL					
XXXL					

Variant MX708:

Size	Main Part Kg/m ³	Side Part Kg/m ³	Middle Part Kg/m ³	Small Part Kg/m ³
XS	30	40	80	60
S	30	40		
M	30	50		
L	35	55		
XL	40	65		
XXL				
XXXL				



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

5.3 Weight:

Variant MX702:

Size	Main Part /g	Side Part /g	TOP Part /g	Middle Part /g	Small Part /g
XS	114 ± 5g	39 ± 2g	/	4 ± 2g	3 ± 2g
S	108 ± 5g	35 ± 2g	/		
M	87 ± 5g	46 ± 2g	26 ± 2g		
L	119 ± 5g	49 ± 2g			
XL	130 ± 5g	58 ± 2g	30 ± 2g		
XXL					
XXXL					

Variant MX708:

Size	Main Part /g	Side Part /g	Middle Part /g	Small Part /g
XS	103± 5g	40± 2g	4 ± 2g	3 ± 2g
S	106± 5g	35± 2g		
M	115± 5g	48 ± 2g		
L	122± 5g	53 ± 2g		
XL	139 ± 5g	66 ± 2g		
XXL				
XXXL				

6. ACCESSORIES

6.1. Peak: Included as an optional accessory. See pages 26, 27.

TYPE:
MX702



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

7. VISOR (Only for variant MX702)

7.1. Approval number: **E9*22R06/02*6467*00**

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

7.3. Type: : **MX-MHR-111**

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: **Polycarbonate**

7.6. Drawing of the visor: **See page 24**

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

7.8. Colour: **Clear**

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

7.10. Thickness: **1.8 ± 0.1 mm**

8. SUN SHIELD

8.1. Reference name: **SF-MHR-12**

8.2. Material: **PC**

8.3. Drawing of the sun shield: **See page 25**

TYPE:
MX702

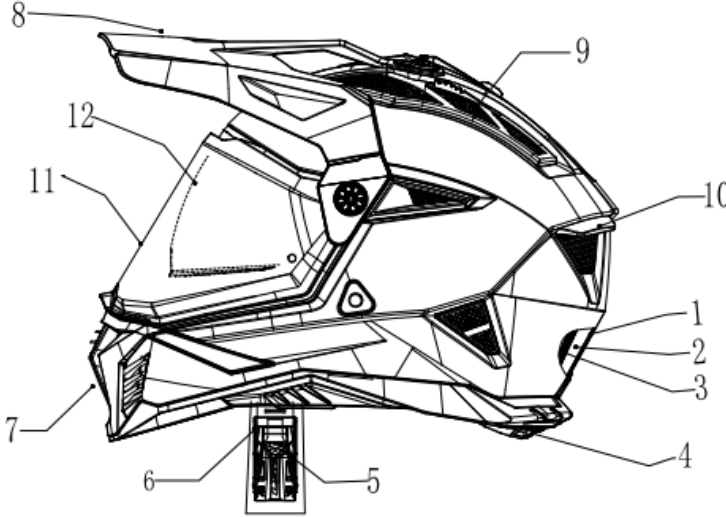


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R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS

ASSEMBLY DRAWING (I)

Variant MX702



12	内镜片 SunVisor	个 piece	1	pc
11	镜片 visor	个 piece	1	pc
10	后风窗 back vent	套 set	1	PC+ABS
9	前风窗 top vent	套 set	1	PC+ABS
8	帽檐 peak	个 piece	1	PC+ABS
7	下巴风窗 mouth vent	套 set	1	PC+ABS
6	带带 chin strap	条 unit	2	nylon
5	快速扣 D型平圆铁环扣 buckle/Duble "D" ring	套 set	1	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
序号 number	名称 name	单位 unit	数量 piece	材料 material

MODEL	MX702 -XXXL-XL			MX702 -L-M		MX702 -S-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, bulb, drop lack of oil, disdosome of basic color.
2. Every spare parts should be fixed correctly, and not be loose, missed.

TYPE:
MX702



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

ASSEMBLY DRAWING (II)

Variant MX708

10	后风窗 back vent	套 set	1	PC+ABS
9	前风窗 top vent	套 set	1	PC+ABS
8	帽檐 peak	个 piece	1	nylon
7	下巴风窗 mouth vent	套 set	1	PC+ABS
6	帽带 chin strap	条 unit	2	nylon
5	快速扣/双型平面铁环扣 buckle/Double D'ring	套 set	1	an/ 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
序号 number	名称 name	单位 unit	数量 piece	材料 material

MODEL	MX708 -XXXL-XL			MX708 -L-M		MX708 -S-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 requirements

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

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TYPE:
MX702



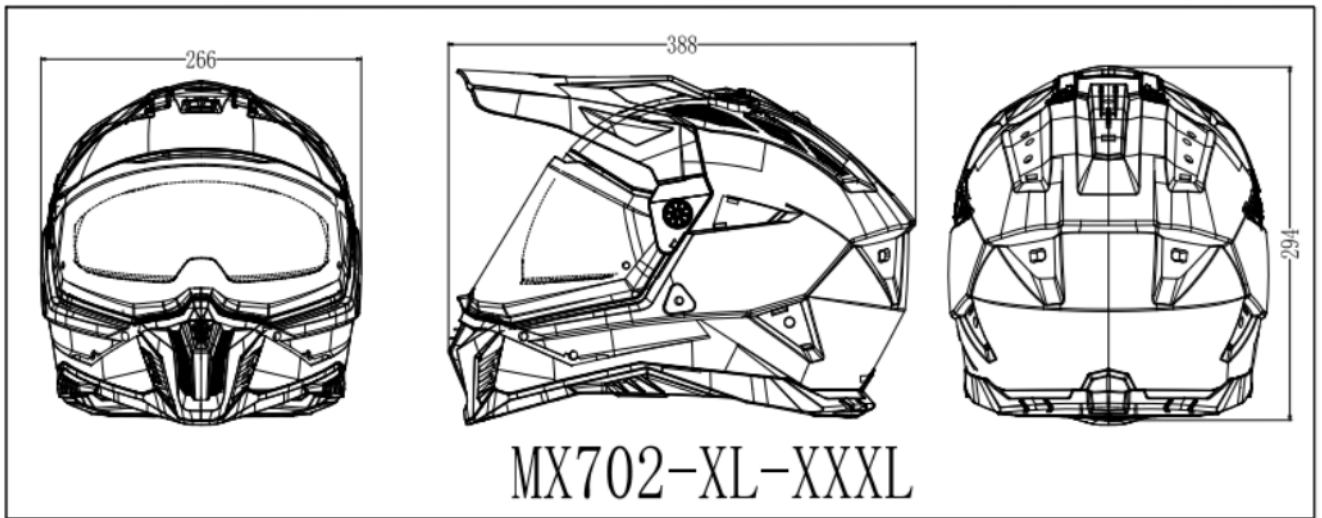
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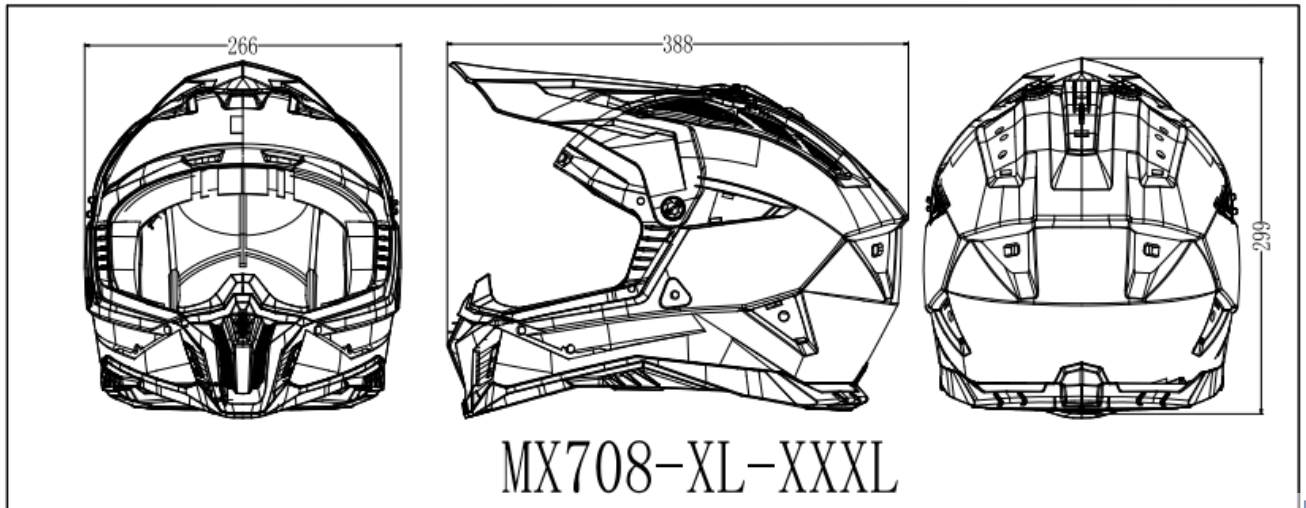
DRAWING OF THE HELMET WITH DIMENSIONS (I)

SHELL 1: SIZES XL-XXXL

Variant MX702



Variant MX708



TYPE:
MX702



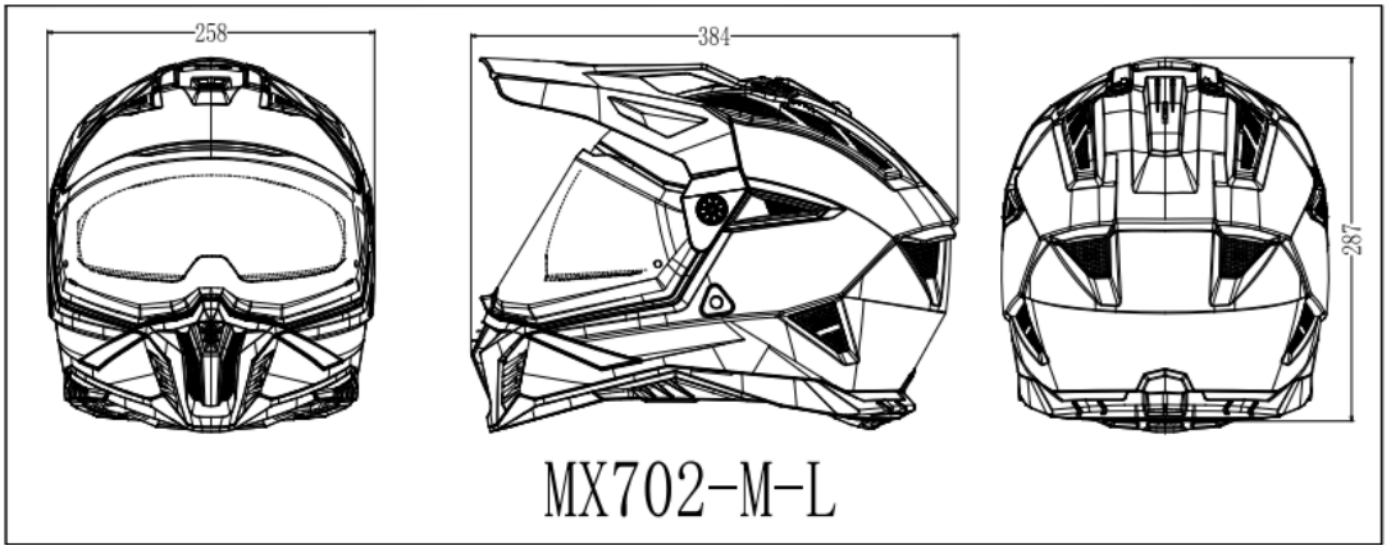
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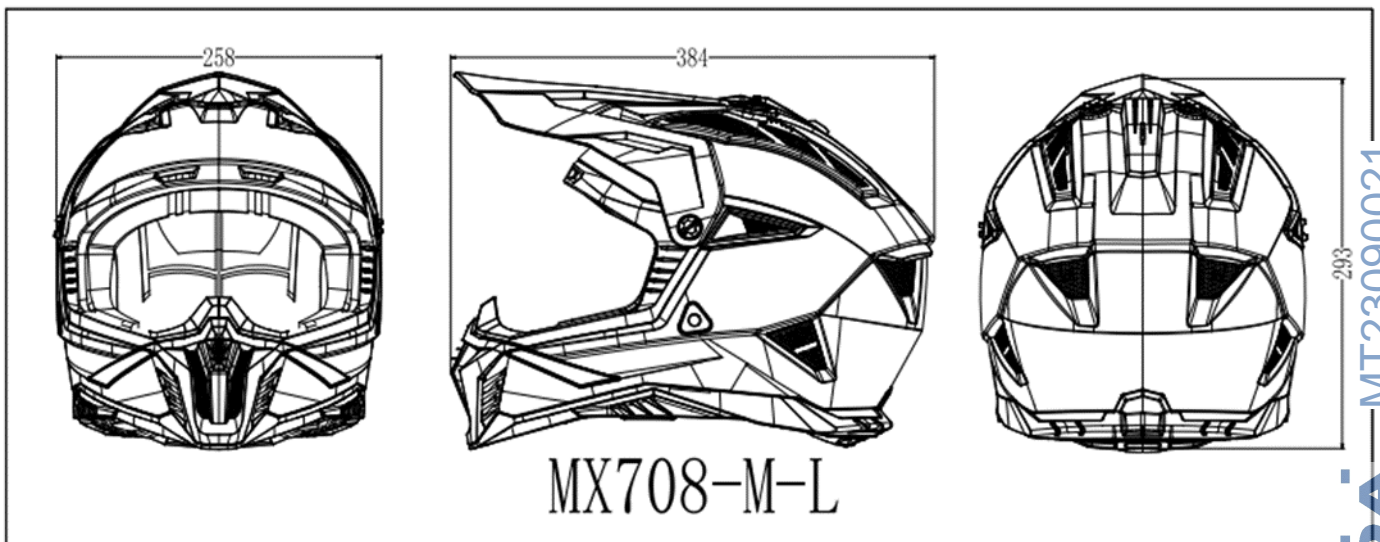
DRAWING OF THE HELMET WITH DIMENSIONS (II)

SHELL 2: SIZES M-L

Variant MX702



Variant MX708



TYPE:
MX702



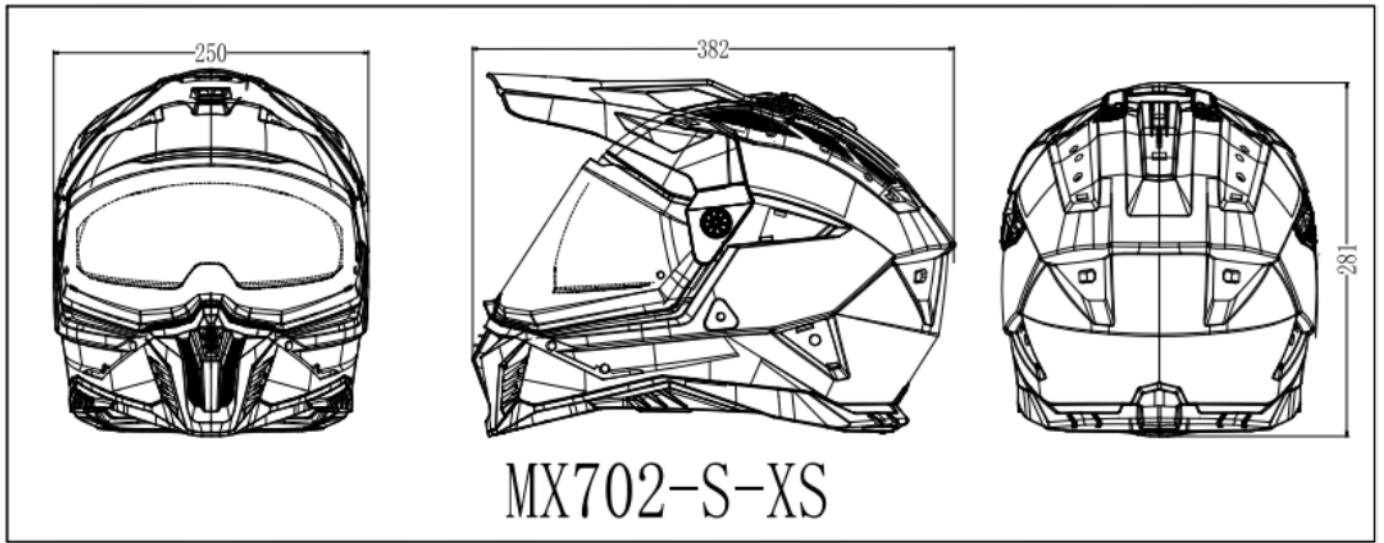
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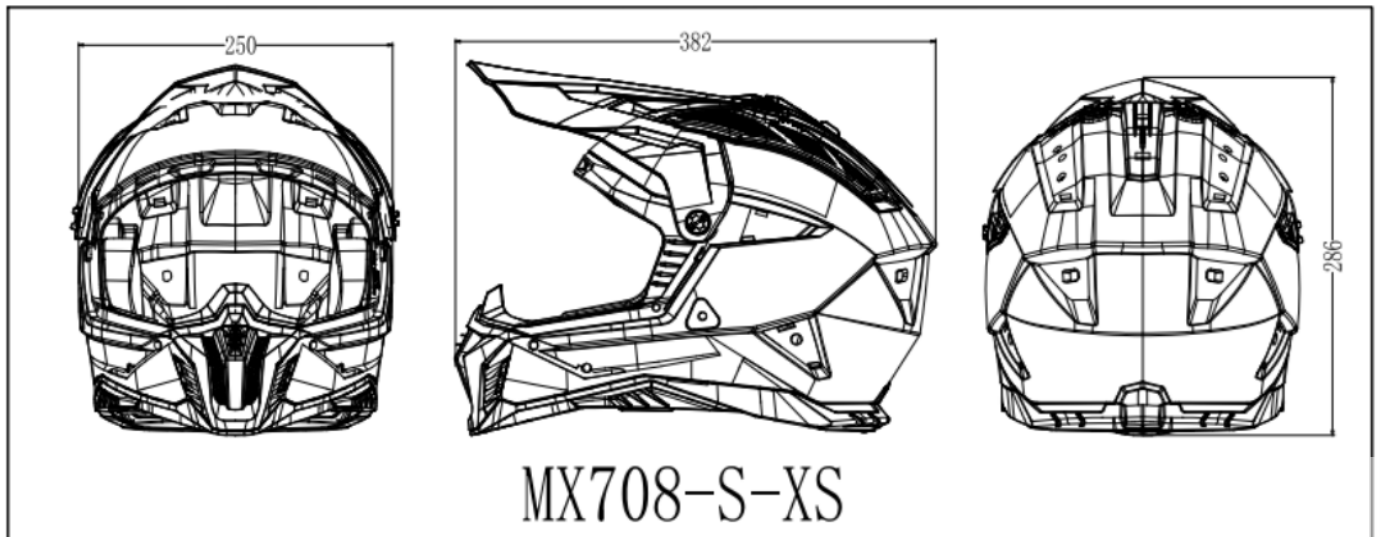
DRAWING OF THE HELMET WITH DIMENSIONS (III)

SHELL 3: SIZES S-XS

Variant MX702



Variant MX708



TYPE:
MX702

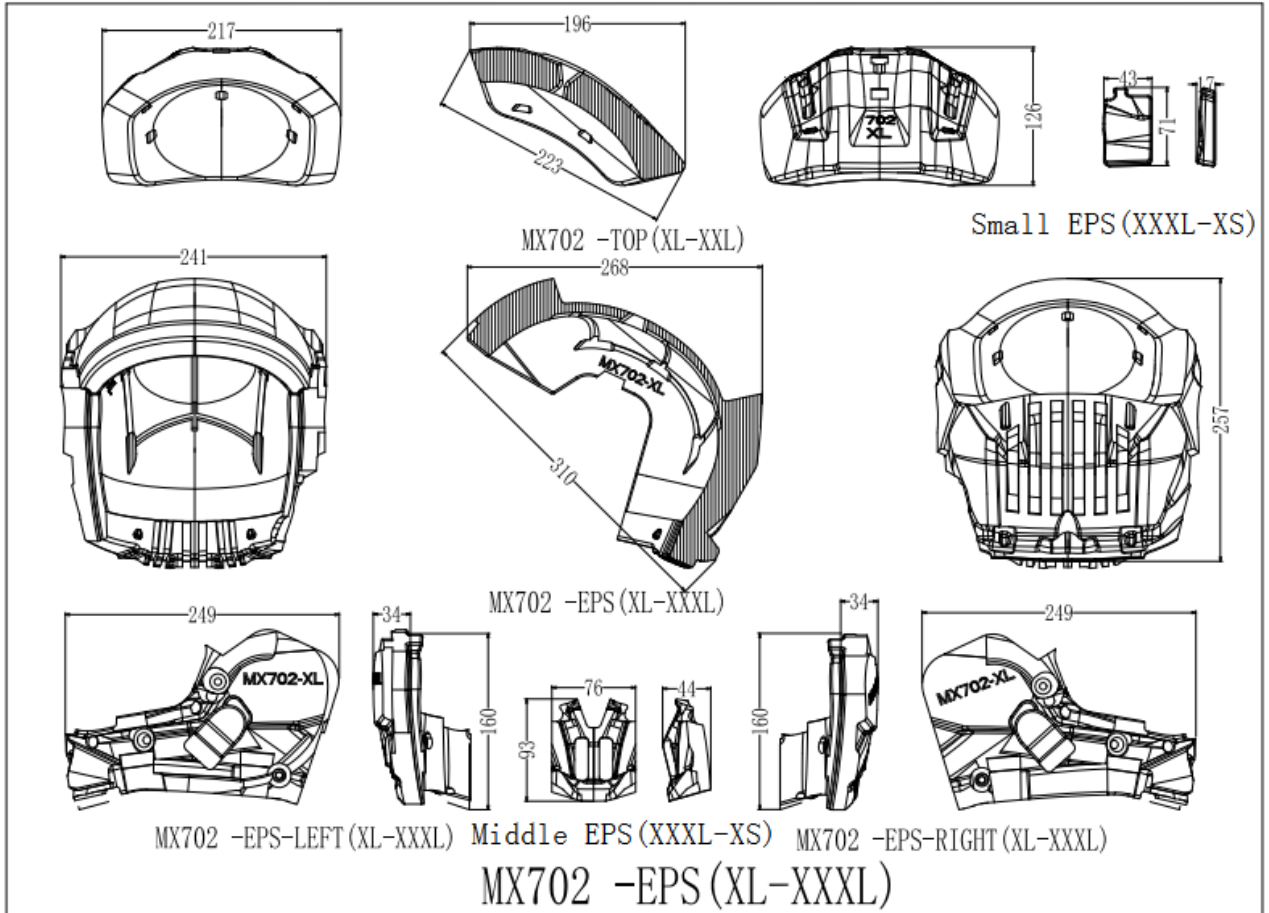


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R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS

DRAWING OF PROTECTIVE PADDING (I)

Variant MX702: Sizes XL-XXXL



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TYPE:
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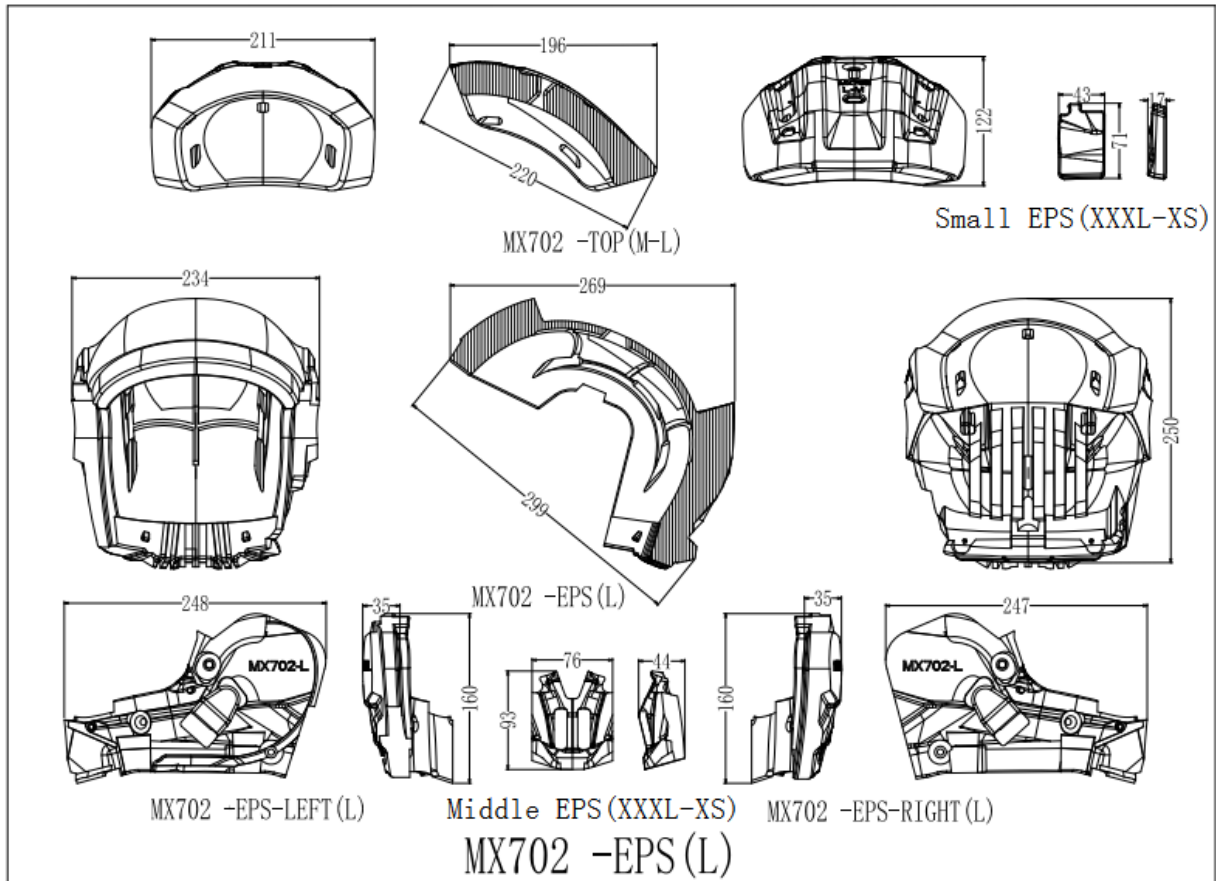


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DRAWING OF PROTECTIVE PADDING (II)

Variant MX702: Size L



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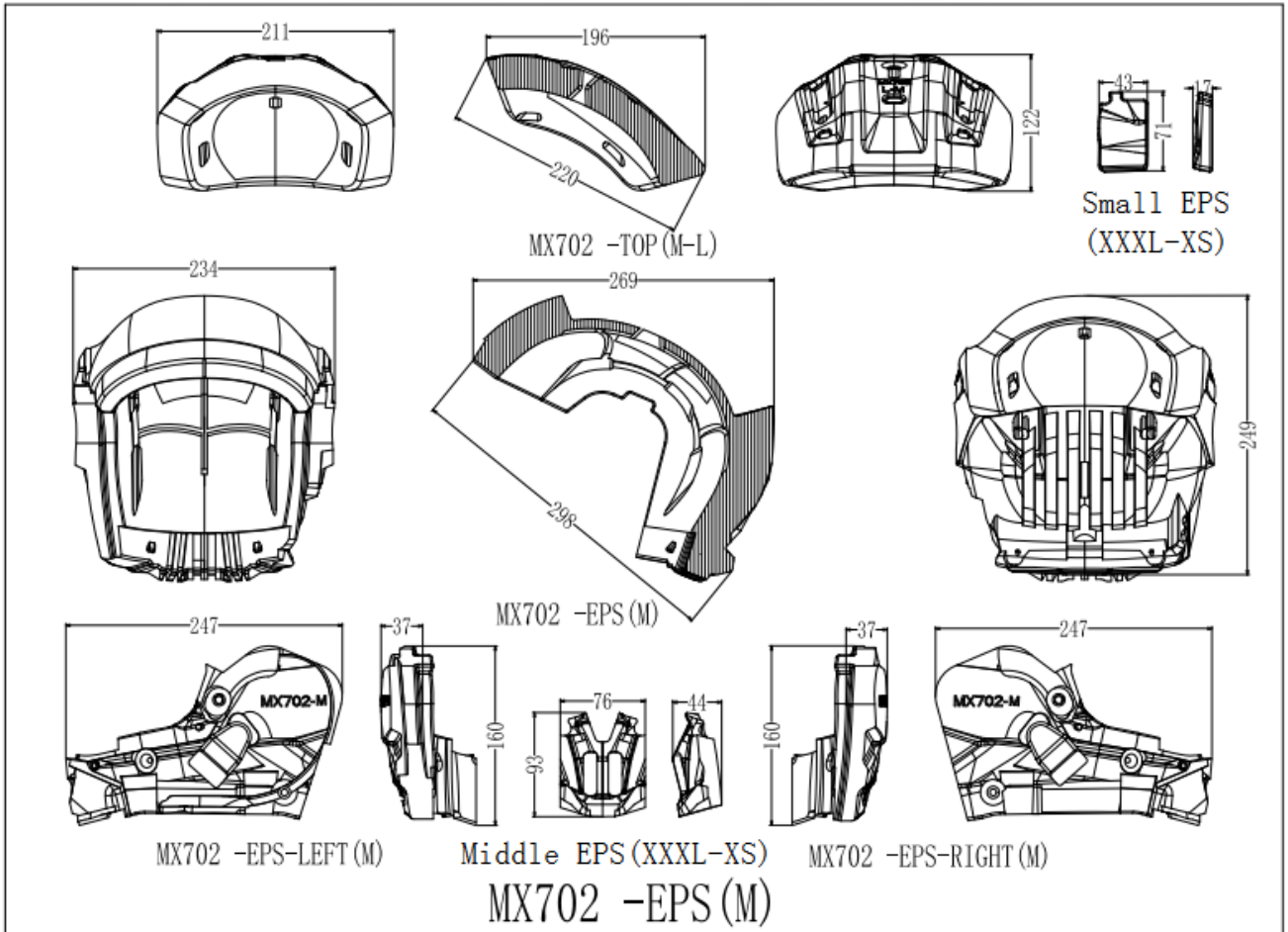
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R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS

DRAWING OF PROTECTIVE PADDING (III)

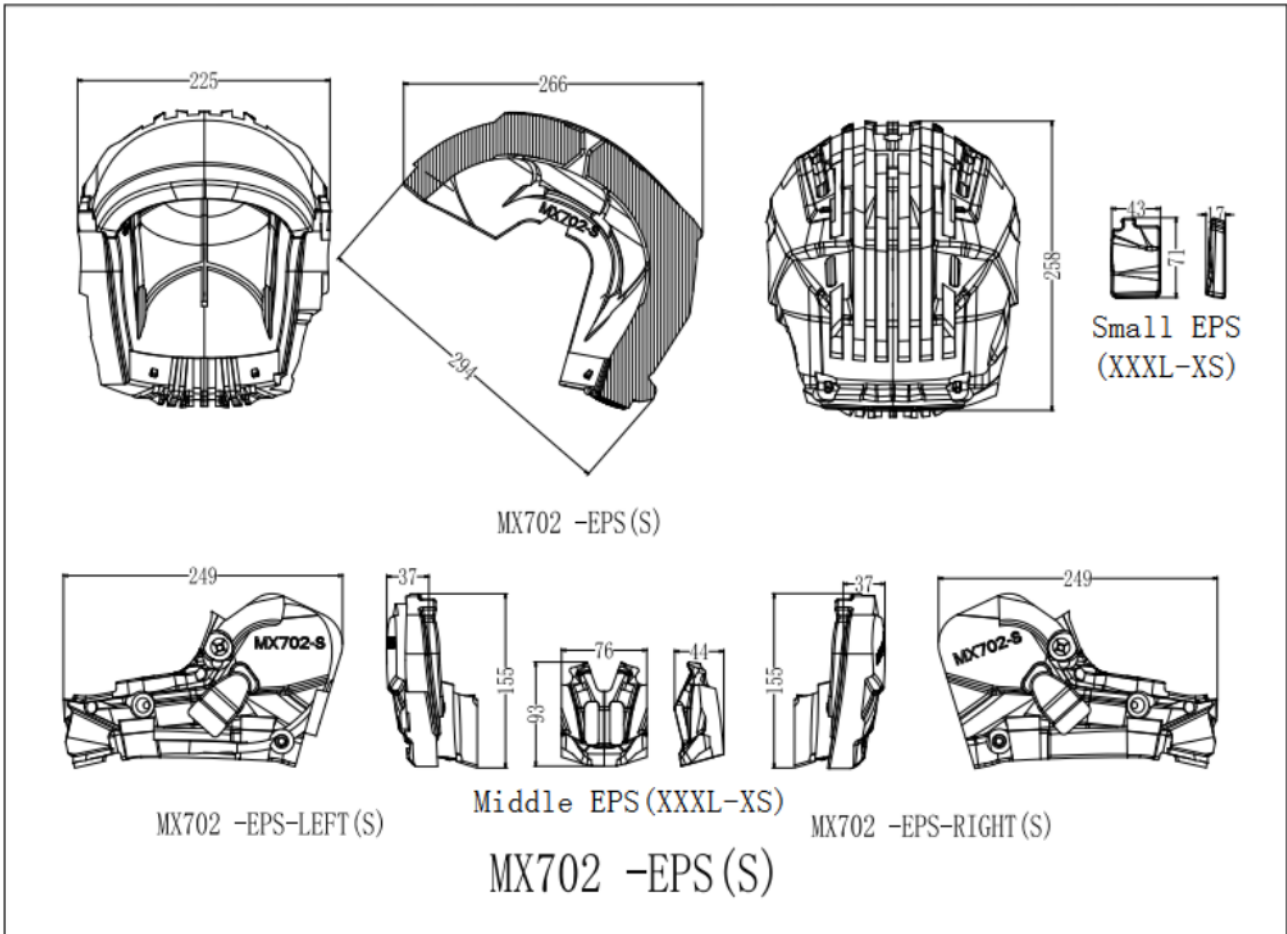
Variant MX702: Size M



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

DRAWING OF PROTECTIVE PADDING (IV)

Variant MX702: Size S



TYPE:
MX702

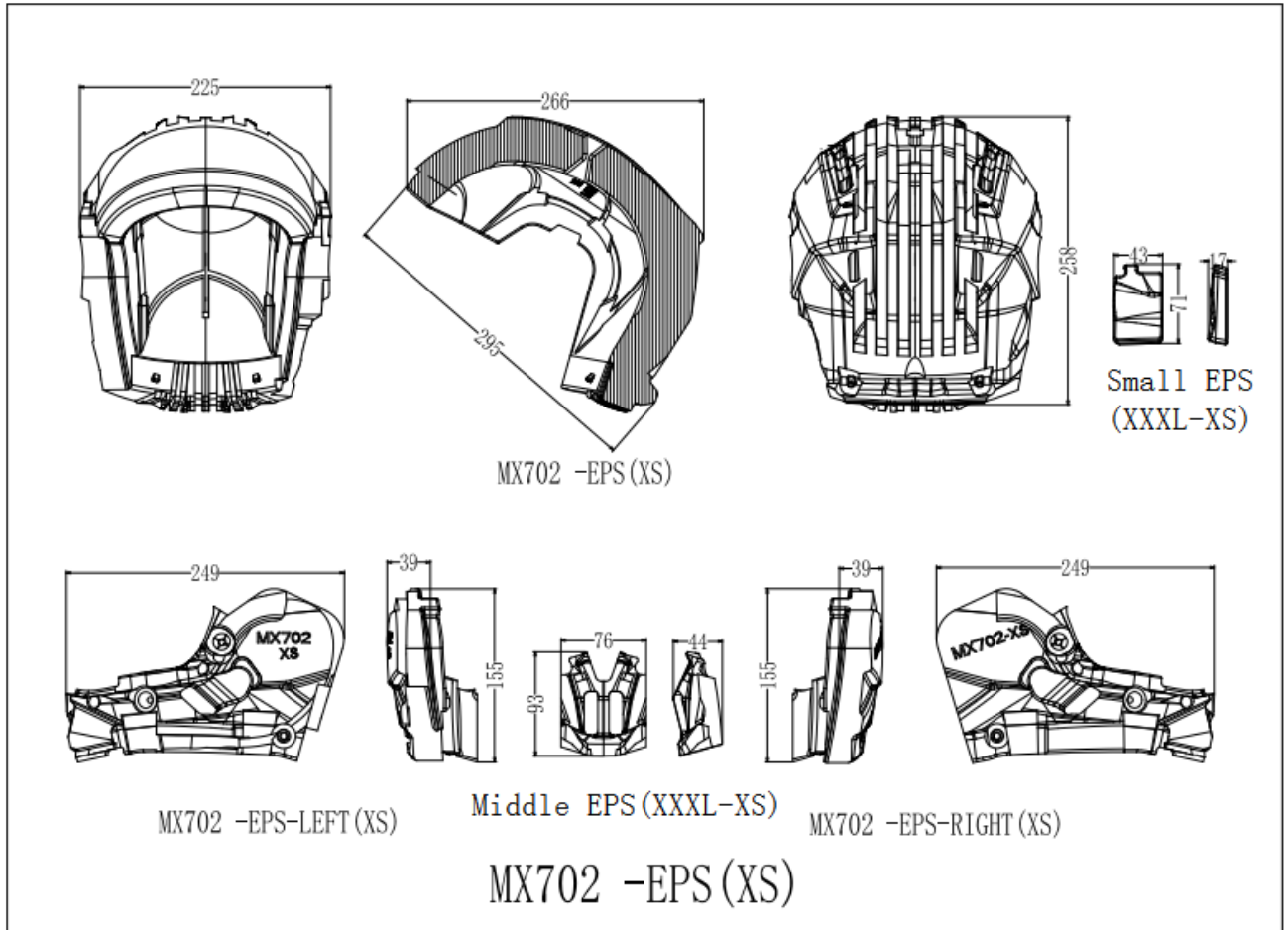


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**R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS**

DRAWING OF PROTECTIVE PADDING (V)

Variant MX702: Size XS



MT23090021

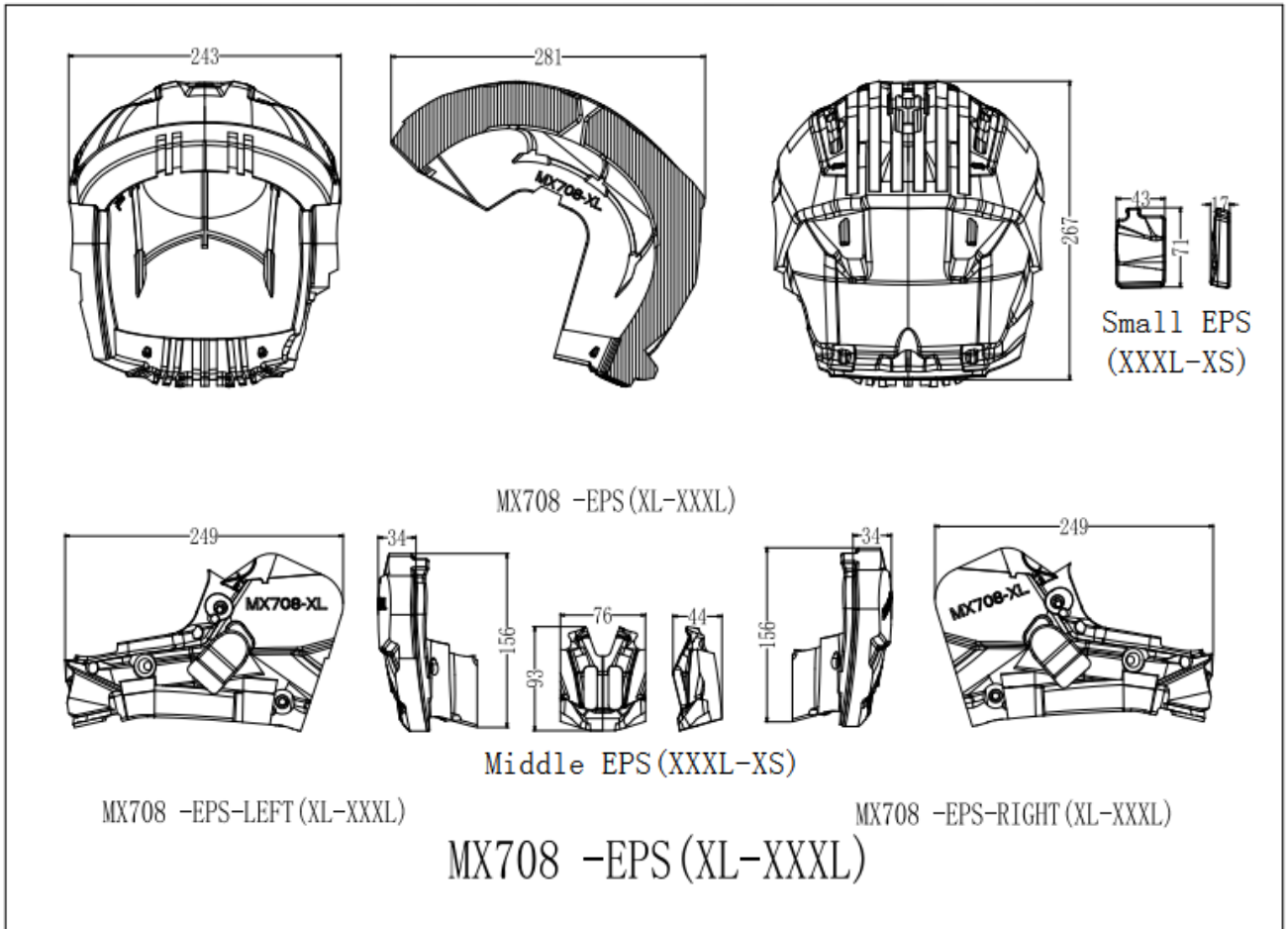
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R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
AND PASSENGERS OF MOTORCYCLES AND MOPEDS

DRAWING OF PROTECTIVE PADDING (VI)

Variant MX708: Sizes XL-XXXL

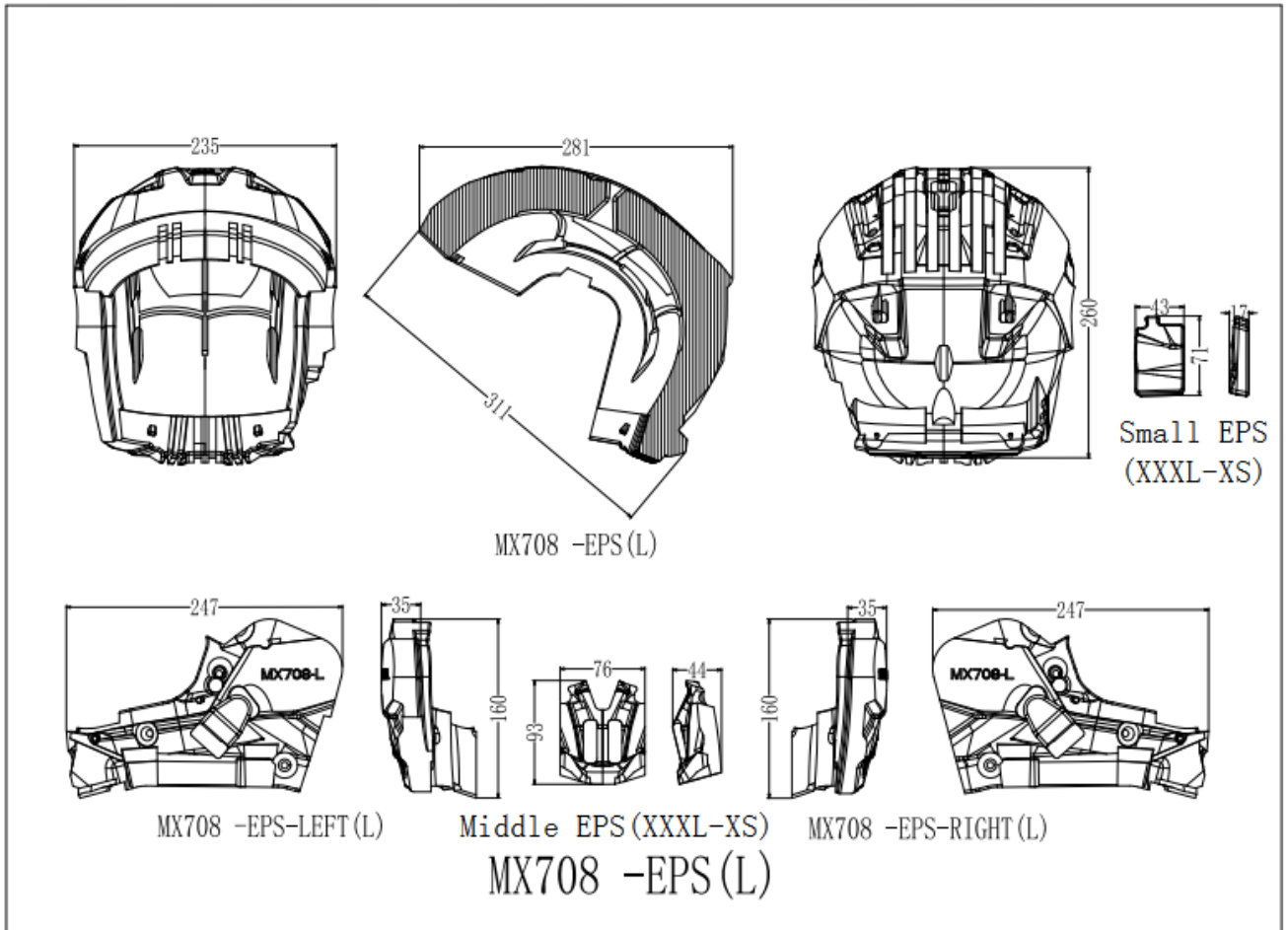




R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
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DRAWING OF PROTECTIVE PADDING (VII)

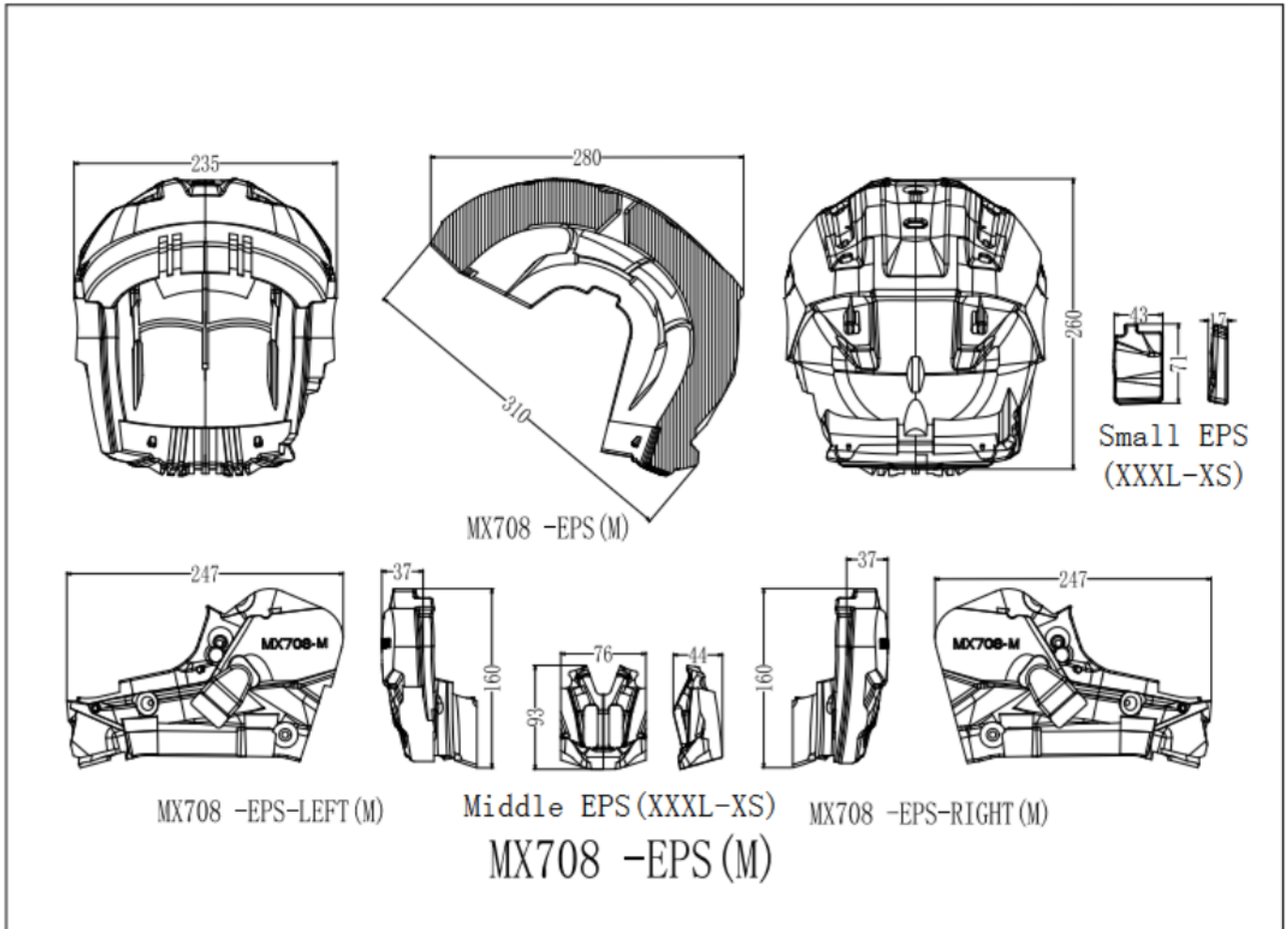
Variant MX708: Size L



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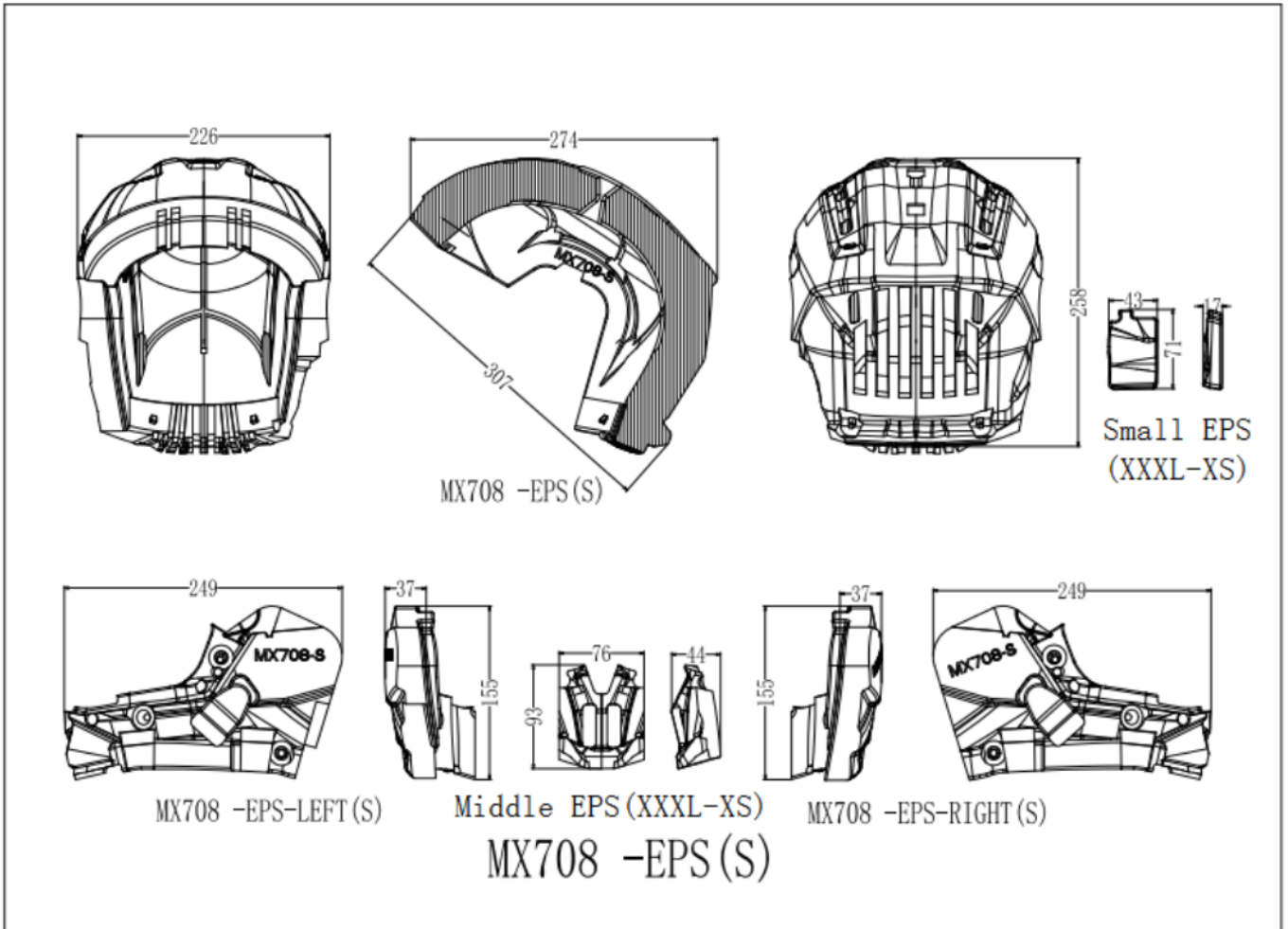
DRAWING OF PROTECTIVE PADDING (VIII)

Variant MX708: Size M



DRAWING OF PROTECTIVE PADDING (IX)

Variant MX708: Size S

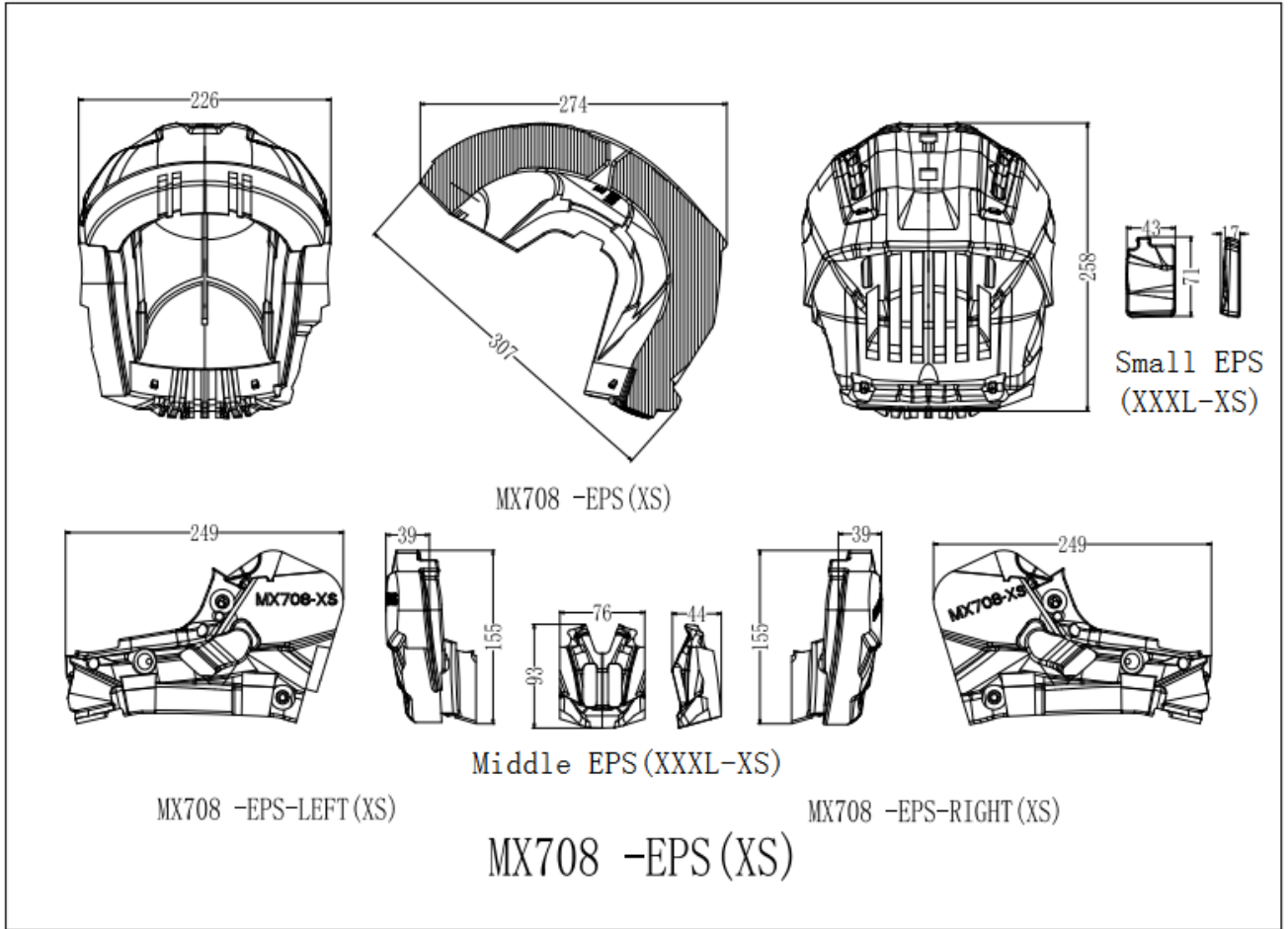




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DRAWING OF PROTECTIVE PADDING (X)

Variant MX708: Size XS

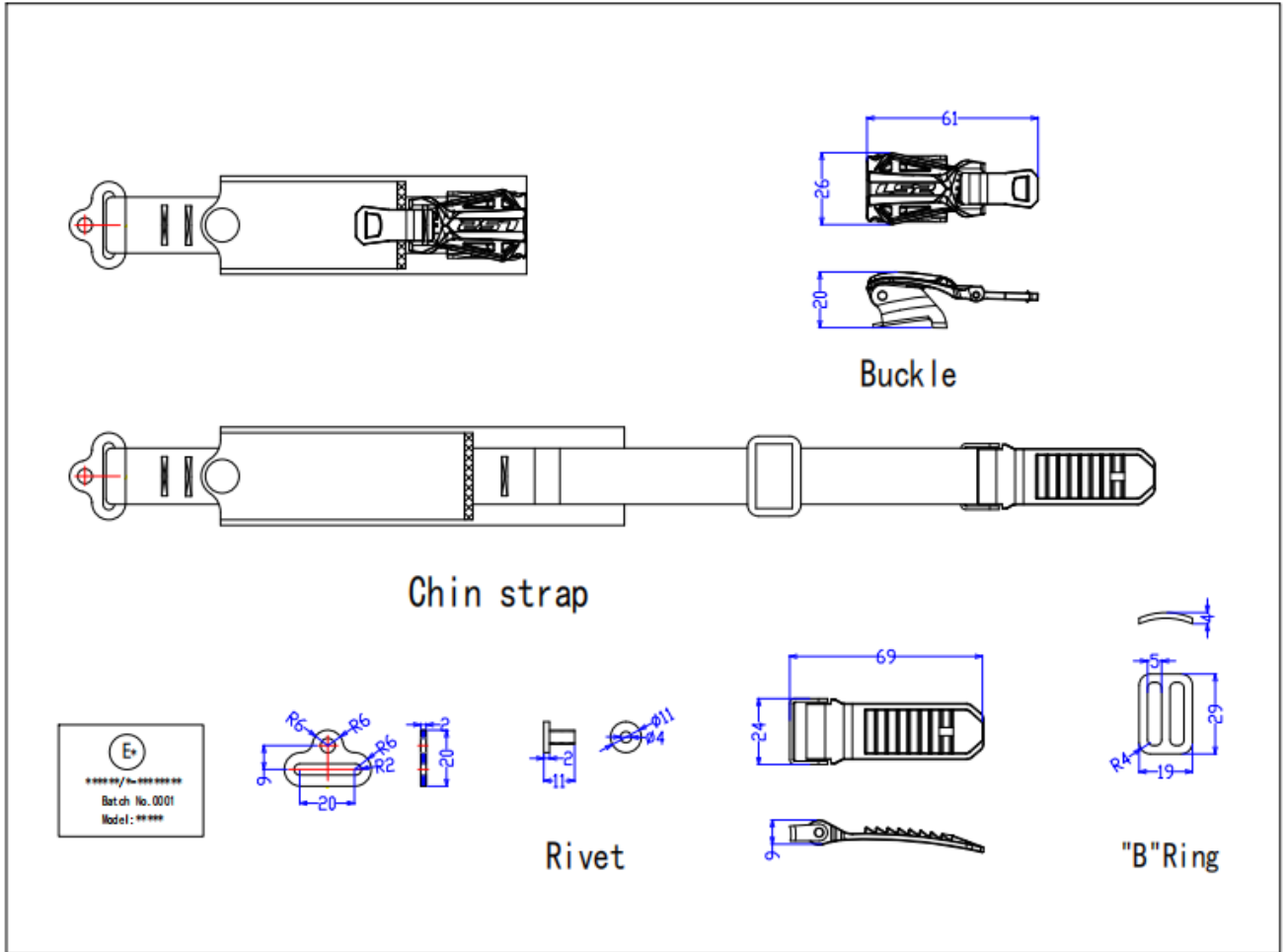




R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
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DRAWING OF THE RETENTION SYSTEM (II)

Version 2: Quick release mechanism (Micrometric No.22)



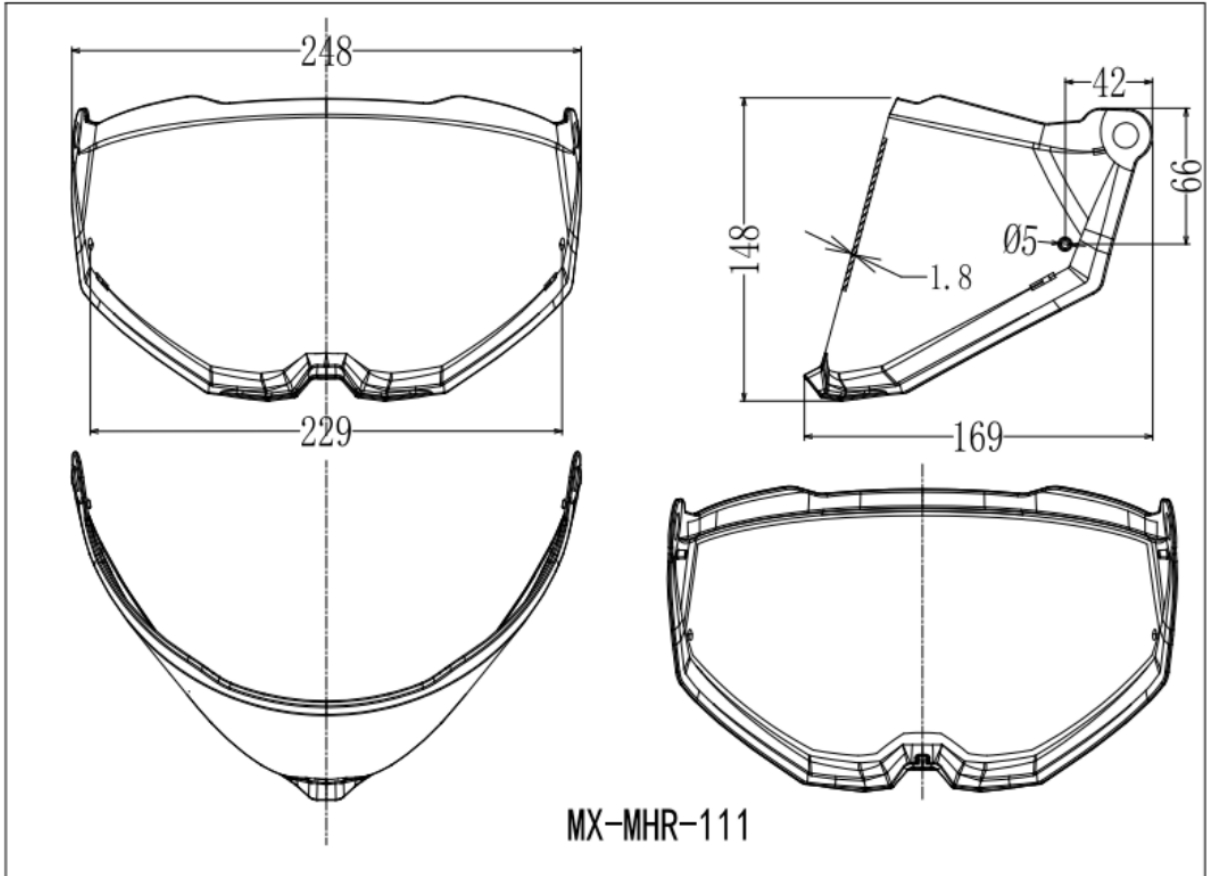
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DRAWING OF THE VISOR AND GENERAL VIEW OF THE VISOR MECHANISMS



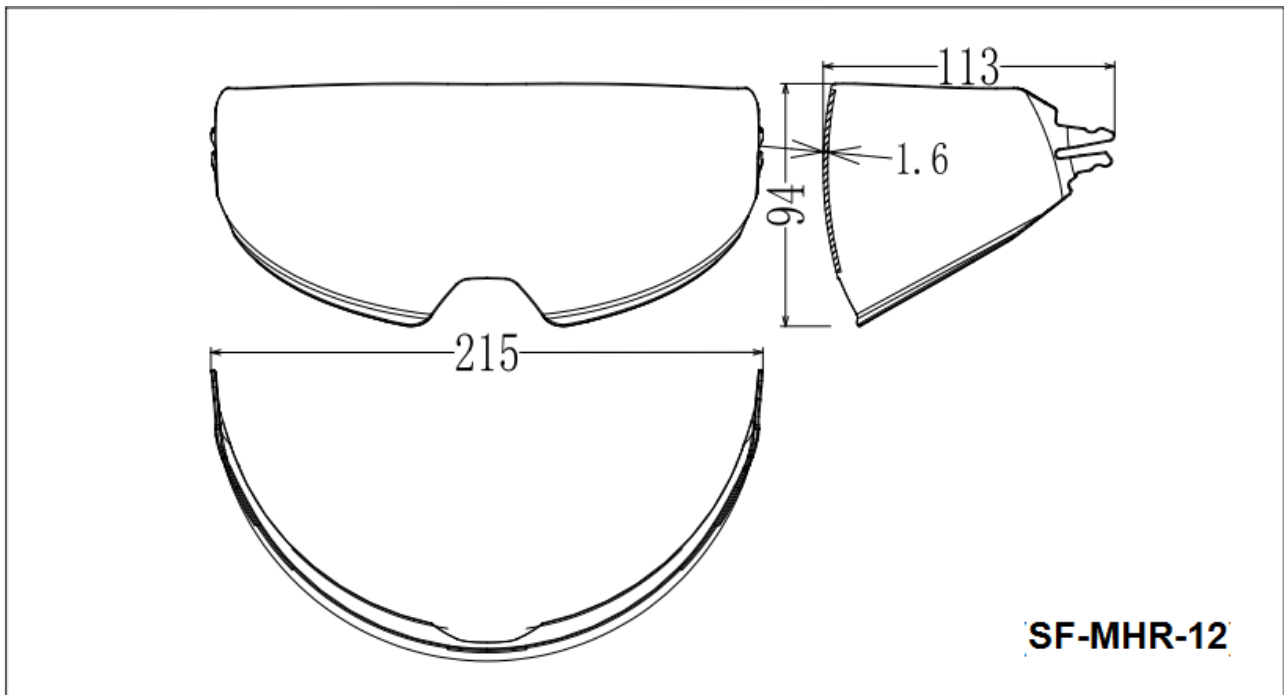
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DRAWING OF THE SUN SHIELD



TYPE:
MX702

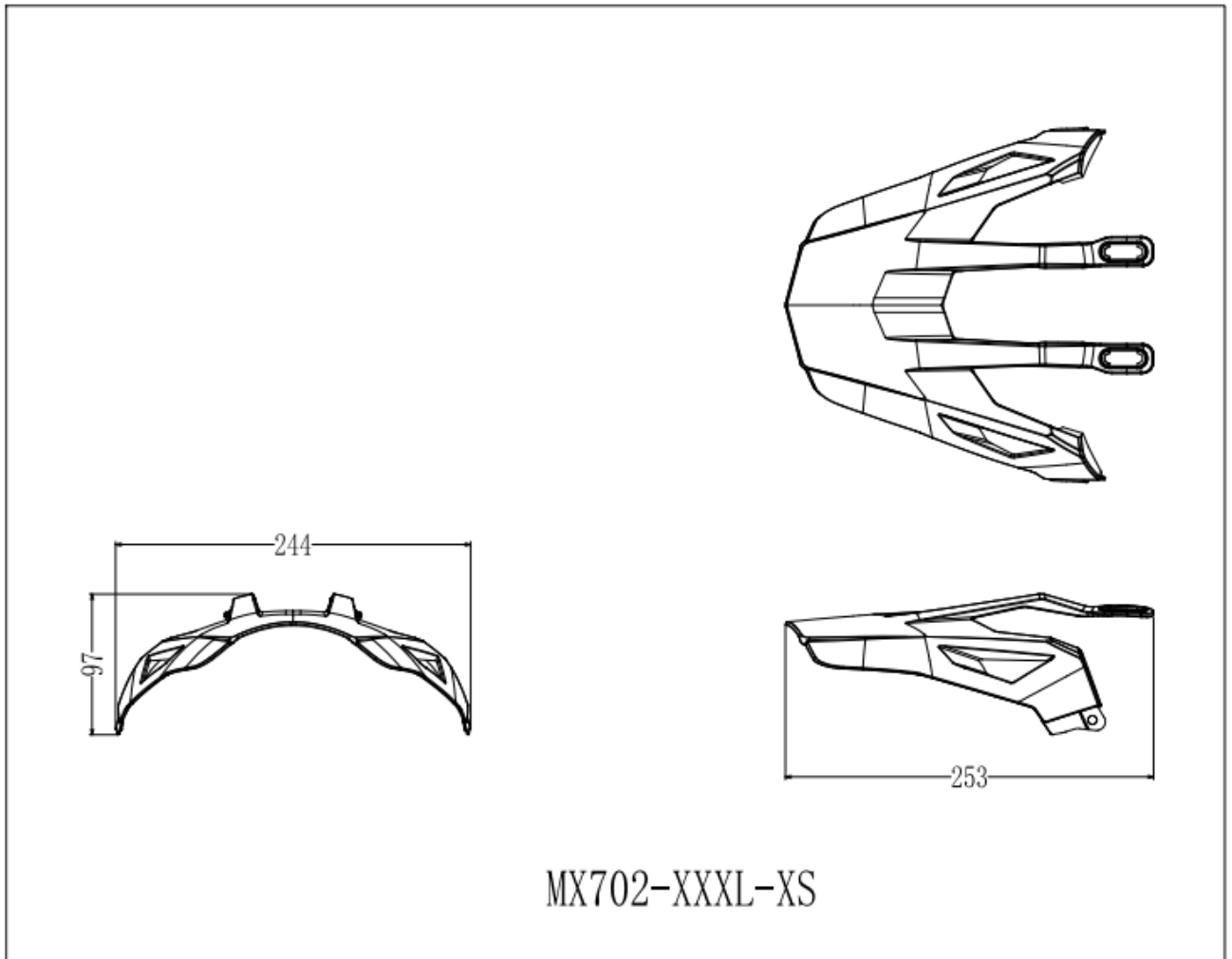


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DRAWING OF THE PEAK (I)

Variant MX702



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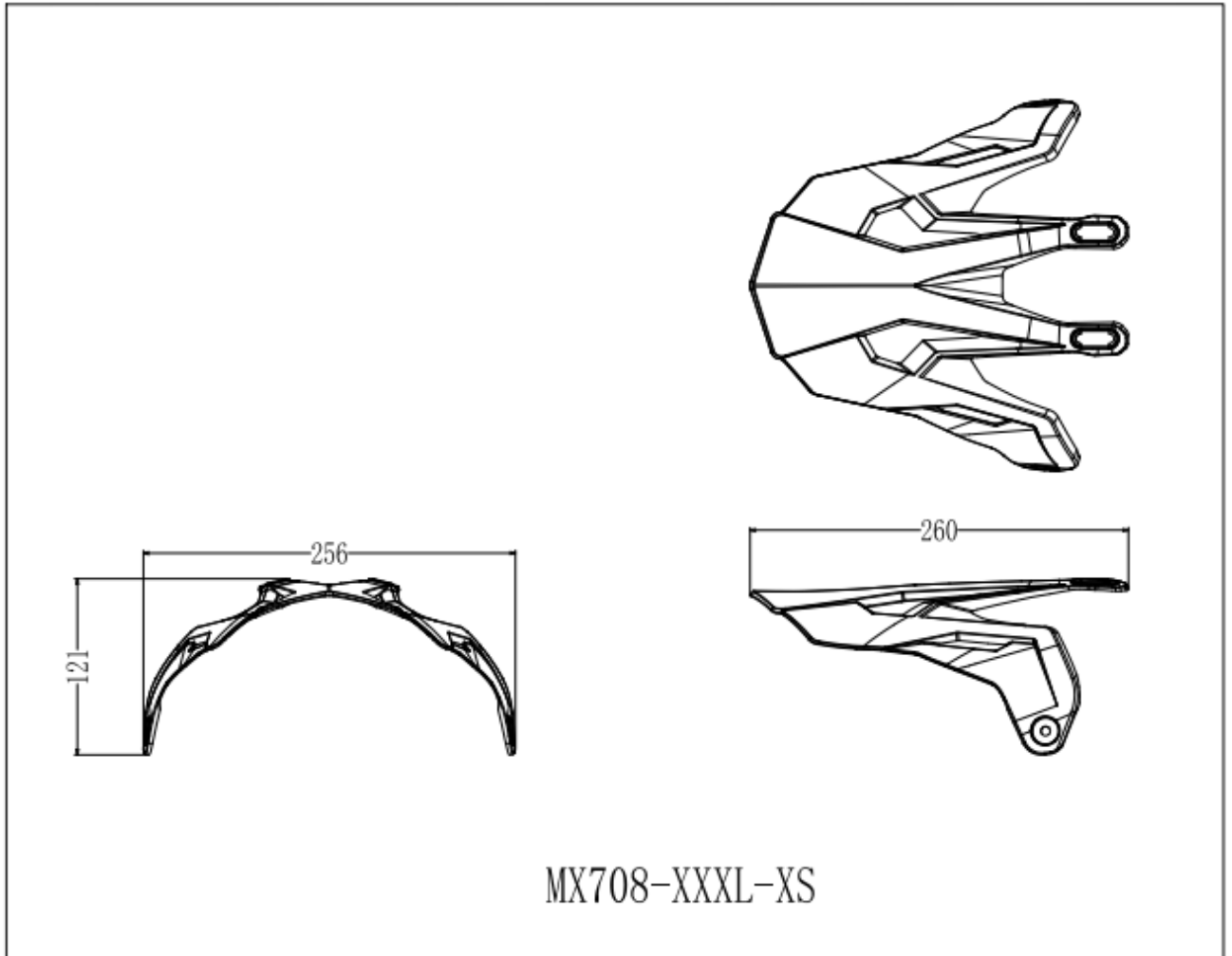


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DRAWING OF THE PEAK (II)

Variant MX708



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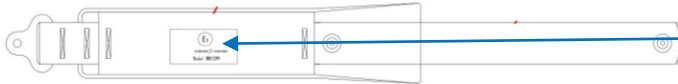
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**R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
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MARKING



Approval Mark and Serial number



WARNING

ALWAYS CHECK YOUR HELMET BEFORE RIDING OFF.

- ① Check the shield and visor screws, and retighten them if necessary.
2. Check for cracks in the helmet. Strong acid (for example, battery acid) can damage the shield base. If you find 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

- ① Never use hot or salt water, benzene, gasoline, glass cleaner or other solvents. Your helmet could be seriously damaged by these substances without showing any apparent visible damage. A helmet damaged or weakened by a cleaning Agent may not provide head protection in an accident resulting 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
M (57-58) / 1700g**

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R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
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USER INSTRUCTIONS (I)



ALWAYS AHEAD



Download the manual



FR Pour assurer une protection suffisante, ce casque doit être bien ajusté et être 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'appliquez 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 sottoposto 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 das Kinnstück ist nicht für Impact entwickelt.
Achtung! Verwenden Sie bitte keine Farben, Aufkleber, Benzin oder andere Laugen, auf diesen Helm.



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

USER INSTRUCTIONS (II)

Congratulations on purchasing your new **LS2** helmet. Please read these instructions carefully before use. They contain valuable information 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 aerodynamicism and comfort will get you the best performances all along the road. Whatever can be your choice leisure, tourism, racing, one of the helmets from the LS2 range is the best solution for your active protection.

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

HOW TO CHOOSE A HELMET AND WEAR IT CORRECTLY

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

1 To determinate proper fit.

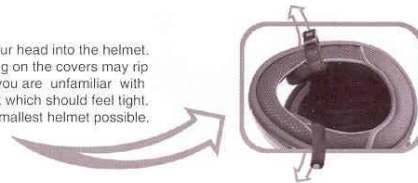
- 1.1. Measure your head size. Wrap a tape measure horizontally around your head at the height of about 2,5 cm above your eyebrows. This will establish the longest measurement around your head.
- 1.2. Select the helmet that is the closest match to your head size. If your head size should fall between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

2 Try the helmet on

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



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 causing you pain (see diagram 2). There must be no slack in the strap and it must be tight up against your chin.
- 4.2. With the chinstrap secured, put your hands flat on the back of the helmet and try to push the helmet off by rotating forward.
- 4.3. Next, put your hands on the front of the helmet above your forehead (or on the chinguard) and try to push the helmet off by rotating it toward the rear.
- 4.4. If the helmet starts to come off in either direction, do not use the helmet, either the helmet is too large for you or the chin strap is not tightened enough.



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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**R22.06/ECE TYPE-APPROVAL OF PROTECTIVE HELMETS AND THEIR VISORS FOR DRIVERS
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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 diagram 2 and put it tight against your throat. Clip the chin strap end hook on the D ring as shown in diagram 2 to secure the loose end of the chin strap after it's securely fastening the chin strap. The only function of the chinstrap end hook fitted on the end of the chinstrap is to avoid fluttering of the end part of the chinstrap.

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

SAFETY RECOMMENDATIONS

1

No helmet can protect wearer against all foreseeable high speed and low speed impacts.
However, for maximum head protection, the helmet must be of proper fit and retention system must be securely fastened under the chin. The helmet should allow peripheral vision when secure on your head. If your helmet is too large, it may sleep or move on your head while riding which may make it possible for your helmet to come off in an accident or to obstruct your vision while riding. In the first case, your helmet will not protect your head in an accident, which can result in serious personal injury or death and in the second case, if you cannot see you may have an accident.

2

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

3

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

Your helmet is designed to distribute the force incurred during an impact over a wide area. Even if your helmet looks undamaged externally its useful life is finished after one impact during riding, for example, a 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

4

Clean your helmet carefully.

Never use hot or salt water, benzene, gasoline, glass cleaner or other solvents. Your helmet could be seriously damaged by these substances, without showing any apparent visible damage. A helmet damaged or weakened by a cleaning agent may not provide head protection in an accident resulting in serious personal injury or death. The correct way to clean a helmet is to mix 5 or 6 drops of mild soap in a quart of warm water. Dampen a soft cloth with this solution and wipe the helmet clean. Rinse with a wet cloth.

5

Never modify your helmet.

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

6

Don't mistreat your helmet.

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

7

Always check your helmet before riding off.

1. Check the shield and visor screws, and retighten them if necessary.
2. Check for cracks in the helmet. Strong acid (for example, battery acid) can damage the shield base. If you find cracks or damage, stop using the helmet immediately.
3. Plastic components may start to wear out about 5 years after manufacture. If you find deterioration in any part of a component, either replace that component or get a new helmet. If these parts come loose and / or fall off while you are riding, your vision may be blocked which could cause an accident resulting in serious personal injury or death.
4. Check the security of the retention system
5. Make sure that the center pad (or comfort liner) and the cheek pads are attached before you use the helmet.

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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 or leave tunnels or climb mountain roads can cause unexpected misting of your shield and loss of visibility. Do not drive with a fogged face shield. Wearing a helmet also reduces your ability to hear traffic sounds, especially of high speed. With a full face helmet, opening and closing the shield makes a major difference in how much you can hear. For safe riding be aware of how your helmet type, your speed, affects your perception of road conditions and whether your shield is open.



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