ECE TYPE-APPROVAL CERTIFICATE

Communication concerning approval granted of a type of protective helmet ~~without~~/with [2] one/~~more~~ [2] visor type(s) without/~~with~~ [2] ~~one/more~~ [2] specific accessory type(s) pursuant to UN Regulation No. 22

E5 Approval No: E5*22R06/03*0013*00

Reason(s) for extension : Not applicable

1.	Trade mark	:	TCK
2.	Type	:	K10H
3.	Sizes	:	XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63)
4.	Manufacturer's name	:	PT Tara Cltra Kusuma
5.	Address	:	Delta Silicon Industrial Park Jl Meranti 3 Blok L 10 No. 3 & 5 Lippo Cikarang, Bekasi 17550 Indonesia
6.	If applicable, name of manufacturer's representative	:	SUOMY MOTOSPORT S.R.L
7.	Address	:	Via S.Andrea, 20 A, 22040 Lurago d'Erba (CO) Italy
8.	Brief description of helmet	:	HELMET WITH SPOILER EXTENSION SMALL & BIG
9.	Helmet	:	with protective lower face cover...(P)
10.	Type of visor or visors	:	K6V
11.	Brief description of visor or visors, and inner visor if any	:	See manufacture’s information document

Swedish Transport Agency
Road and Rail Department
Type Approvals
Box 267, SE-781 23 Borlänge, Sweden

Office address
Jussi Björlings väg 19

transportstyrelsen.se
vag@transportstyrelsen.se

12.	~~Helmet ready for specific accessory (SA)/ready for universal accessories (UA)~~ [2]		
13.	Accessories included in the helmet homologation and functionality	:	Not applicable
14.	If UA helmet	:	Not applicable
14.1.	~~If S40 or S45, speaker dummy used for the homologation test deformable/rigid~~[2]		
15.	Submitted for approval on	:	28 June 2025
16.	Technical Service responsible for conducting approval tests	:	CETOC Technical Service srl Via della Bufalotta, 374 00139 Roma Italy
17.	Date of report issued by that Service	:	03 July 2025
18.	Number of report issued by that Service	:	CN-54-17-904-COM25-34210-IR
19.	Comments	:	Not applicable
20.	Approval	:	granted
21.	Place	:	Borlänge
22.	Date	:	13 October 2025
23.	Signature	:	 Johan Larsson Type Approval Certification Officer

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

    Information documents
    Test report

[2] Strike out what does not apply

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APPLICATION FOR TYPE APPROVAL PURSUANT TO ECE REGULATION No. 22.06 RELATING TO PROTECTIVE HELMETS AND VISORS

Component: HELMET WITH SPOILER EXTENSION SMALL & BIG
Type: K10H

Signature of a responsible person:
Place: Cikarang, Indonesia
Date: 19-05-2025

Confirmation

We declare hereby that the specimen protective helmets submitted for this approval test has been manufactured and assembled on conditions of ordinary mass production and that they are compatible with enclosed documentation.

Signature of a responsible person:
Place: Cikarang, Indonesia
Date: 19-05-2025

0	**GENERAL INFORMATION**		
0.1	Make (trade name of manufacturer)	:	TCK
0.2	Type and general commercial description	:	K10H HELMET WITH SPOILER EXTENSION SMALL & BIG
0.3	Variants	:	KYT R1R, SUOMY R1R, KYT R1R PRO, SUOMY R1R PRO
0.4	Name and address of manufacturer	:	PT Tara Cltra Kusuma Delta Silicon Industrial Park, JI Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia
0.5	Name(s) and address(es) of assembly plant(s)	:	PT Tara Cltra Kusuma Delta Silicon Industrial Park, JI Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia
0.6	Name and address of manufacturer's authorized representative (if any)	:	SUOMY MOTOSPORT S.R.L Via S.Andrea, 20 A, 22040 Lurago d'Erba (CO), Italy
0.7	Location and method of affixing of the international approval mark	:	See Appendix 10
1	**TECHNICAL DESCRIPTION**		
1.1	Description of the helmet		
1.1.1	Type of helmet	:	FULL FACE
1.1.2	Type of lower face cover Helmet without lower face cover (J) Helmet with protective lower face cover (P) Helmet with non protective lower face cover (NP) with detachable or movable lower face cover(P/J)	:	□J ☑P □ NP □ P/J " P" PROTECTIVE
1.1.3	Size(s) (cm)	:	XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63)
1.1.4	Drawing of the helmet	:	See Appendix 1
1.1.5	Brief description of helmet		HELMET WITH SPOILER EXTENSION SMALL & BIG
1.2	Description of the visor(s)		
1.2.1	Material	:	POLYCARBONATE
1.2.2	Color	:	CLEAR
1.2.3	Thickness	:	2.0±0.1mm
1.2.4	Transmittance	:	ABOVE 80%

1.2.5	Surface treatment	:	SCRATCH RESISTANT (OUT SURFACE)
1.2.6	Manufacture method	:	BY INJECTION
1.2.7	Type(s) of helmet to which may be equipped with this visor	:	K6H, K10H, K10H-GP
1.2.8	Drawing of the visor(s)	:	See Appendix 2
1.2.9	Brief description of visor(s)		Type: K6V. The details Please see certificate. Approval no.: E1*22R06/02*301020*00
1.3	Description of the shell		
1.3.1	Material	:	Carbon fiber, Kevlar, glass, fiber with vinilester resin.
1.3.2	Manufacture method	:	By Bag Moulding
1.3.3	Ventilation	:	5 (Chin 1, Forehead 1, Top 2, Rear 1)
1.3.4	Composition of the border join on the shell	:	PVC
1.3.5	Drawing of the shell	:	See Appendix 3
1.4	Description of protective padding		
1.4.1	Composition	:	EPS
1.4.2	Density and weight	:	

Size (cm)	Shell Size	EPS Size	Comfort padding thickness (mm)	Cheek padding thickness (mm)	EPS Thickness (mm)
XS(53/54)	S	S	B:12 ,X:12 ,P:12 ,R:12	25	B:39 ,X:38 ,P:41 ,R:49
S(55/56)	S	S	B:9 ,X:9 ,P:9 ,R:9	20	B:39 ,X:38 ,P:41 ,R:49
M(57/58)	M	M	B:12 ,X:12 ,P:12 ,R:12	35	B:45 ,X:36 ,P:43 ,R:44
L(59/60)	M	M	B:9 ,X:9 ,P:9 ,R:9	30	B:45 ,X:36 ,P:43 ,R:44
XL(61/62)	L	L	B:14 ,X:14 ,P:14 ,R:14	30	B:43 ,X:38 ,P:41 ,R:47
XXL(63)	L	L	B:12 ,X:12 ,P:12 ,R:12	25	B:43 ,X:38 ,P:41 ,R:47

Size (cm)	Shell Size	EPS Size	Main EPS Density (g/l)	Main insert EPS Density (g/l)	Cheek EPS Density (g/l)	Chin EPS Density (g/l)	EPS Shell Weight (g)
XS(53/54)	S	S	40	25	45	80	92
S(55/56)	S	S	40	25	45	80	92
M(57/58)	M	M	45	25	50	80	123
L(59/60)	M	M	45	25	50	80	123
XL(61/62)	L	L	50	30	55	80	172
XXL(63)	L	L	50	30	55	80	172

1.4.3 Drawing of the protective padding : See Appendix 4

1.5 Description of comfort padding

1.5.1 Composition of

Comfort padding	:	PU foam + fabric
Cheek padding	:	PU foam + fabric + PP
Protection of the back of the nape	:	PU foam + fabric
Lower face cover	:	PU foam + fabric + PP

1.5.2 Drawing of the comfort padding : See Appendix 5

1.6 Description of the retention system

1.6.1 Chin strap

Material	:	Polyester
Width	:	24mm

1.6.2 Retention system : DD-RING

1.6.3 Comfort padding of the retention system

Composition	:	PU foam + fabric
Thickness	:	2mm

1.6.4 Anchorage system to the shell : By mettalic piece fitted to the internal part of the shell by a rivet.

1.6.5 Drawing of the retention system : See Appendix 6

1.7 Other Characteristics

1.7.1 Markings

Make	:	See Appendix label artowrk
Weight	:	See Appendix label artowrk
Size	:	See Appendix label artowrk

1.7.2 Indelible marking

How it is made	:	Sewing
Position	:	On the chinstrap

1.8 Accessories

1.8.1 Peak : N.A.

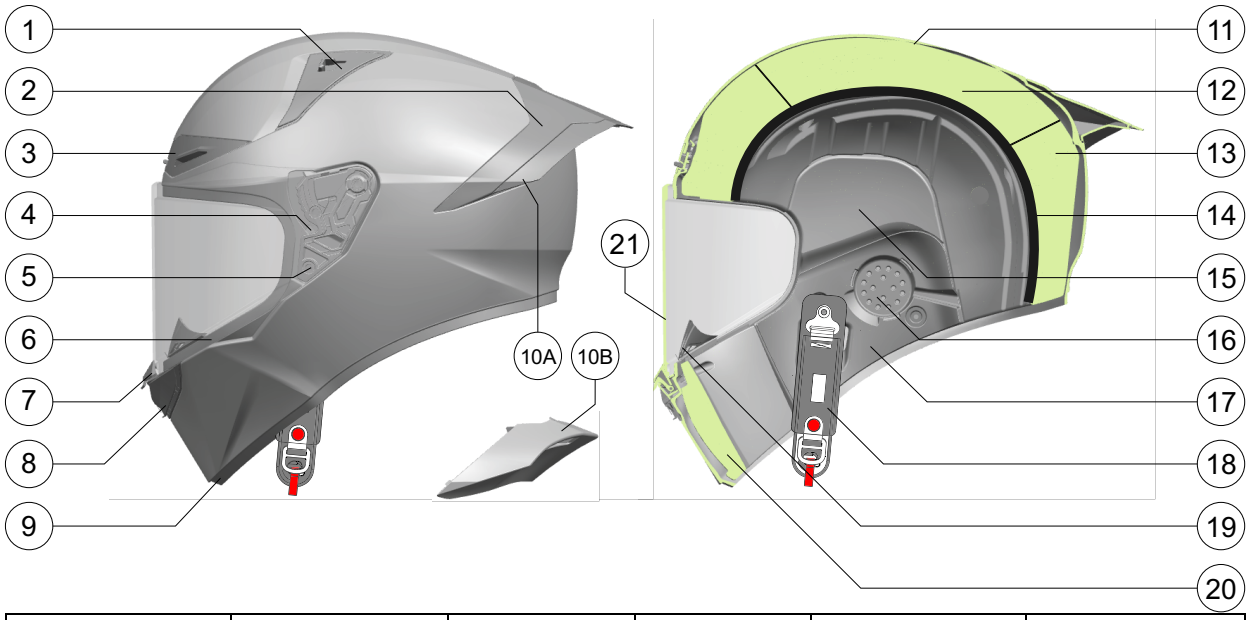
1.8.2 Information for wearer

1.8.2.1 Text : See Appendix 8

1.8.2.2 Position : On the top part of EPS, shield film, and user manual

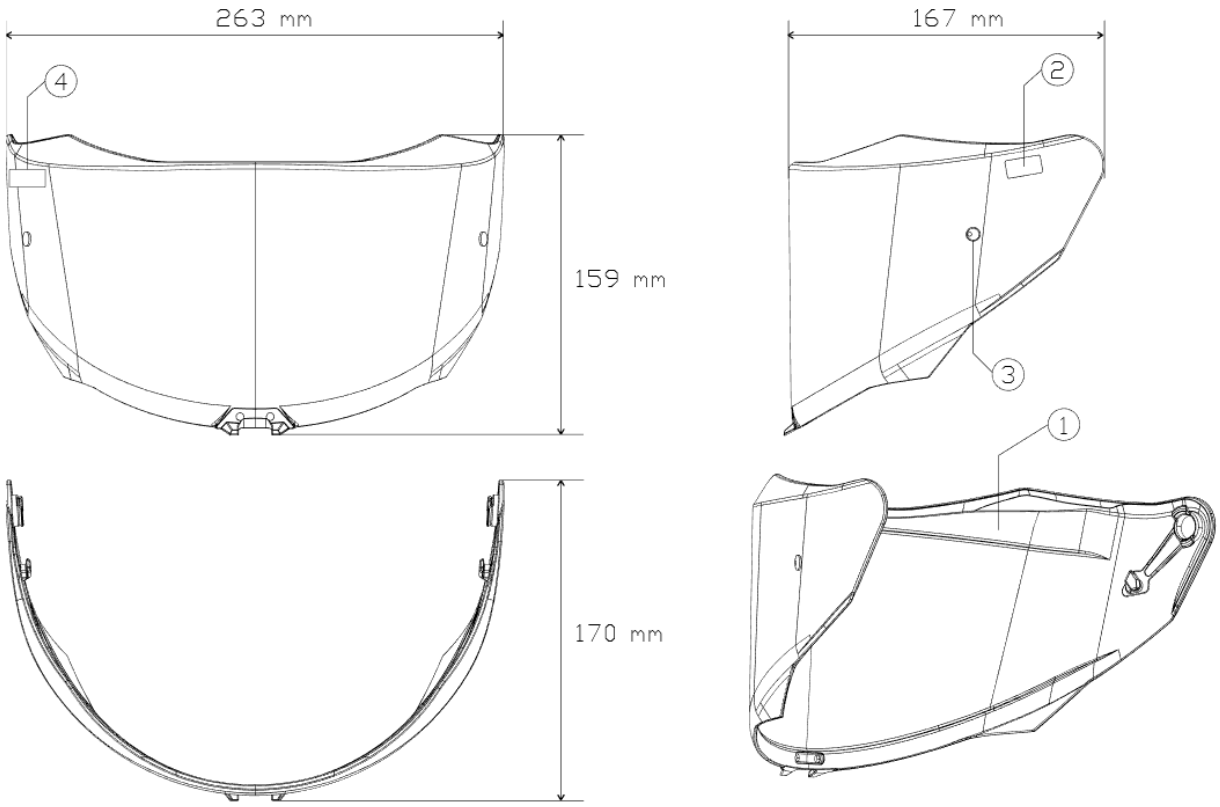
	APPENDIX
1	Drawing of the helmet
2	Drawing of the visor
3	Drawing of the shell
4	Drawing of the EPS
5	Drawing of the comfort padding
6	Drawing of the retention system
7	Helmet Images
8	Information for wearer
9	Label artwork
10	Location and method of affixing of the international approval mark
11	Differences Declaration

APPENDIX 1 Drawing of the helmet



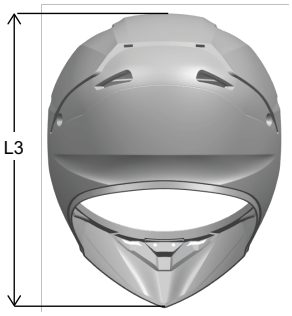
Number	Name	Material	Number	Name	Material
1	Top vent	PC/ABS	**11**	Shell	PC/ABS
2	Spoiler	PC/ABS	**12**	Main insert EPS	Expanded Polystyrene
3	Front vent	PC/ABS	**13**	Main EPS	Expanded Polystyrene
4	Ratchet	Polyacetal	**14**	Comfort padding	PU foam + fabric
5	Screw ratchet	Stainless steel	**15**	Cheek EPS	Expanded Polystyrene
6	Visor trim	PVC	**16**	Cheek cover	Polyprophylene
7	Visor lock	Zama	**17**	Cheek padding	PU foam + fabric+ PP
8	Chin vent	PC/ABS	**18**	Chinstrap	Polyester
9	Bottom trim	PVC	**19**	Nose guard	PVC
10A	Spoiler extension small (Version-1)	PC/ABS	**20**	Chinguard	Expanded Polystyrene + Polyurethane
10B	Spoiler extension big (Version-2)	PC/ABS	**21**	Visor	Polycarbonate
Description	K10H (helmet)		**Code No.:**	K10H.1	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H. Budi
Date:	20.05.2025	**Date:**	20.05.2025	**Date:**	20.05.2025

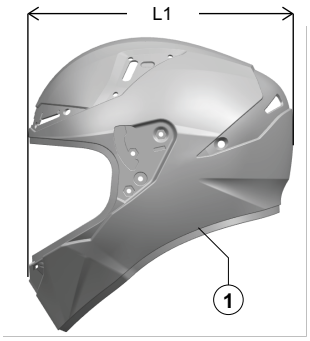
APPENDIX 2 Drawing of the visor

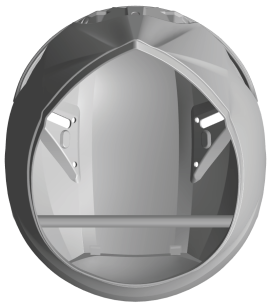


Number	Name	Parameter	Number	Name	Parameter
1	Visor material	Polycarbonate	**2**	ECE Marking	
3	Pin	Polycarbonate	**4**	Trademark	Emboss from mould
Type	K10H (visor)		**Code No.:**	K10H.2	
Manufacturer:	PT Tara Cltra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H. Budi
Date:	20.05.2025	**Date:**	20.05.2025	**Date:**	20.05.2025

APPENDIX 3 Drawing of the shell



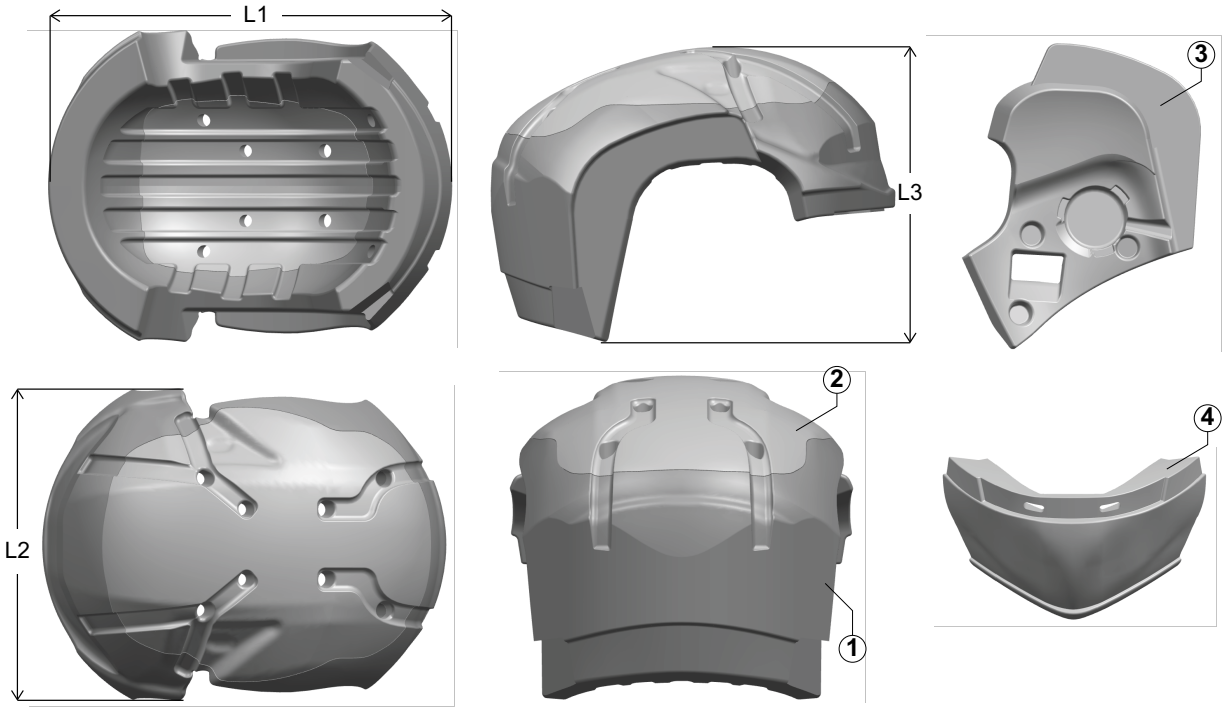




Size (cm)	Shell Size	Shell dimension		
		L1 (mm)	L2 (mm)	L3 (mm)
XS(53/54)	S	288	254	321
S(55/56)	S	288	254	321
M(57/58)	M	307	261	333
L(59/60)	M	307	261	333
XL(61/62)	L	323	273	335
XXL(63)	L	323	273	335

Number	**Name**	**Parameter**	**Number**	**Name**	**Parameter**
1	Shell	Carbon fiber, Kevlar, glass, fiber with vinilester resin.			
Description	K10H- Shell		**Code No.:**	K10H.3	
Manufacturer:	PT Tara Citra Kusuma				
Address:	Delta Silicon Industrial Park, JI Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H.Budi
Date:	20.05.2023	**Date:**	20.05.2025	**Date:**	20.05.2025

APPENDIX 4 Drawing of the EPS



Size (cm)	Shell Size	EPS size	EPS dimension		
			L1 (mm)	L2 (mm)	L3 (mm)
XS(53/54)	S	S	276	213	201
S(55/56)	S	S	276	213	201
M(57/58)	M	M	292	222	209
L(59/60)	M	M	292	222	209
XL(61/62)	L	L	314	238	212
XXL(63)	L	L	314	238	212

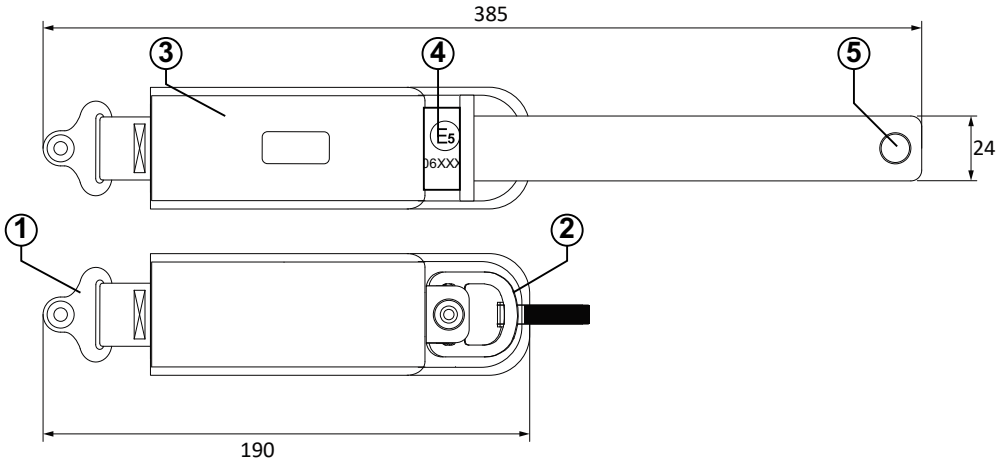
Number	**Name**	**Parameter**	**Number**	**Name**	**Parameter**
1	Main EPS	Expanded Polystyrene	**2**	Main insert EPS	Expanded Polystyrene
3	Cheek EPS	Expanded Polystyrene	**4**	Chinguard	Expanded Polystyrene + Polyurethane
Description	K10H- EPS		**Code No.:**	K10H.4	
Manufacturer:	PT Tara Citra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H.Budi
Date:	20.05.2023	**Date:**	20.05.2025	**Date:**	20.05.2025

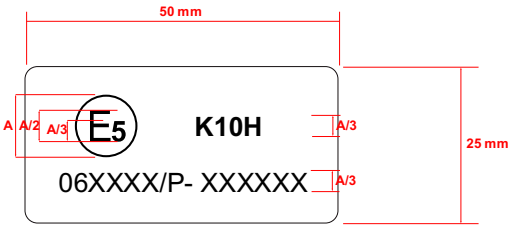
APPENDIX 5 Drawing of the comfort padding

Size (cm)	Shell Size	EPS Size	Comfort padding thickness (mm)	Cheek padding thickness (mm)
XS(53/54)	S	S	B:12 ,X:12 ,P:12 ,R:12	25
S(55/56)	S	S	B:9 ,X:9 ,P:9 ,R:9	20
M(57/58)	M	M	B:12 ,X:12 ,P:12 ,R:12	35
L(59/60)	M	M	B:9 ,X:9 ,P:9 ,R:9	30
XL(61/62)	L	L	B:14 ,X:14 ,P:14 ,R:14	30
XXL(63)	L	L	B:12 ,X:12 ,P:12 ,R:12	25

Number	**Name**	**Material**	**Number**	**Name**	**Material**
1	Comfort padding	PU Foam + Fabric	**2**	Cheek padding	PU Foam + Fabric + PP
Description	K10H -Comfort padding		**Code No.:**	K10H.5	
Manufacturer:	PT Tara Citra Kusuma				
Address:	Delta Silicon Industrial Park, JI Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H.Budi
Date:	20.05.2025	**Date:**	20.05.2025	**Date:**	20.05.2025

APPENDIX 6 (6.1) Drawing of the retention system





A = 10 mm

HELMET TYPE : K10H
COLOR OF LABEL : WHITE
COLOR OF PRINT : BLACK

Unit mm

umber	Name	Material	Number	Name	Material
1	Bracket	Stainless Steel	**4**	ECE Marking	Nylon
2	DD-Ring	Stainless Steel	**5**	Chin Strap	Polyester
3	Tube	Fabric	**6**	Snap button	Polyacetal
Description	K10H -DD ring Retention System		**Code No.:**	K10H.6	
Manufacture r:	PT Tara Citra Kusuma				
Address:	Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia				
Drawn by:	Ivan	**Checked by:**	Tugimin	**Approved by:**	H.Budi
Date:	20.05.2025	**Date:**	20.05.2025	**Date:**	20.05.2025

APPENDIX 7 Helmet Images

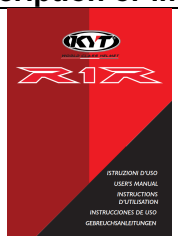
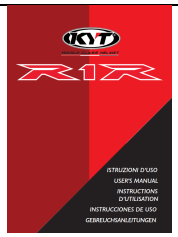
Front

Rear

Side 1

Side 2

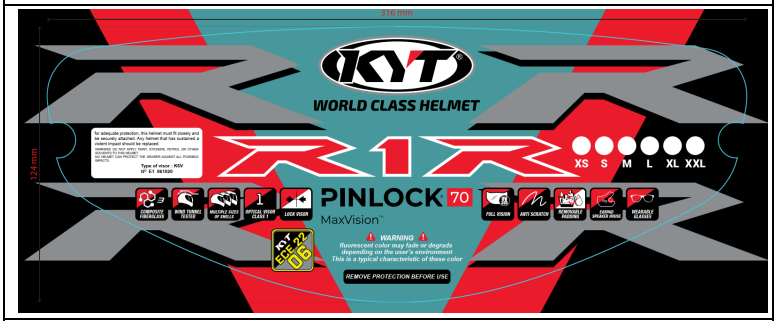
APPENDIX 8 Information for wearer

Ref.	Requirement	Description or image
14.1	**"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"**	 **Manual book** KYT **Type : K6H;K10H;K10H-GP** for adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced. WARNING! DO NOT APPLY PAINT, STICKERS, PETROL OR OTHER SOLVENTS TO THIS HELMET. NO HELMET CAN PROTECT THE WEARER AGAINST ALL POSSIBLE IMPACTS. **Type of visor : K6V** **N° E1 061020** **Label**
	if fitted with a non-protective lowerface cover: "Does not protect chin from impacts" together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin.	**NOT APPLICABLE**
14.2	**specific warning in the above-mentioned label: "'Warning : Do not apply paint, stickers, petrol or other solvents to this helmet".**	 **Manual book** KYT **Type : K6H;K10H;K10H-GP** for adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced. WARNING! DO NOT APPLY PAINT, STICKERS, PETROL OR OTHER SOLVENTS TO THIS HELMET. NO HELMET CAN PROTECT THE WEARER AGAINST ALL POSSIBLE IMPACTS. **Type of visor : K6V** **N° E1 061020** **Label**
14.4	**bears a label showing the type or types of visor that have been approved at the manufacturer's request.**	KYT **Type : K6H;K10H;K10H-GP** for adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced. WARNING! DO NOT APPLY PAINT, STICKERS, PETROL OR OTHER SOLVENTS TO THIS HELMET. NO HELMET CAN PROTECT THE WEARER AGAINST ALL POSSIBLE IMPACTS. **Type of visor : K6V** **N° E1 061020** THE VISOR APPROVED FOR THIS HELMET IS THE K6V MODEL **Label**

WARNING

- **Shell constructed of glass, aramidic fiber and vnlester resin. Liner constructed of Expanded Polystyrene**
- **Helmet can be seriously damaged by some common substances without damage being visible to user**
- **Apply only the following: Mild Soap and water for cleaning**
- **Make no modifications**
- **Always fasten helmet securely with chin strap tightened**
- **If helmet experiences a severe impact return helmet to manufacturer for inspection, or destroy and replace**
- **Please read owner's manual before using**

APPENDIX 9 Label Artwork

<table>
<tr>
<td>KYT Type : K6H;K10H;K10H-GP
for adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced.
WARNING! DO NOT APPLY PAINT, STICKERS, PETROL OR OTHER SOLVENTS TO THIS HELMET.
NO HELMET CAN PROTECT THE WEARER AGAINST ALL POSSIBLE IMPACTS.
Type of visor : K6V
N° E1 061020</td>
<td>THE VISOR APPROVED FOR THIS HELMET IS THE K6V MODEL</td>
</tr>
<tr>
<td>KYT
WARNING
▪ Shell constructed of glass, aramidic fiber, and vinilester resin. Liner constructed of Expanded Polystyrene
▪ Helmet can be seriously damaged by some common substances without damage being visible to user
▪ Apply only the following:Mild Soap and water for cleaning
▪ Make no modifications
▪ Always fasten helmet securely with chin strap tightened
▪ If helmet experiences a severe impact return helmet to manufacturer for inspection, or destroy and replace
▪ Please read owner's manual before using
PRODUCTION DATE : SIZE :
MODEL: R1R
MADE IN INDONESIA</td>
<td>DATE :
SIGN :
QC PASSED</td>
</tr>
<tr>
<td>ECE R-22.06 | M 57 - 58 | Weight 1450±50 gr</td>
<td>WARNING : ALWAYS SECURELY FASTEN CHIN STRAP WHEN WEARING HELMET</td>
</tr>
<tr>
<td>EMERGENCY</td>
<td>KYT ECE 22 06</td>
</tr>
<tr>
<td> 
</td>
<td> 
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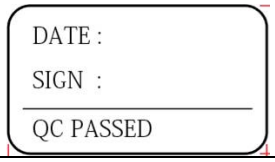
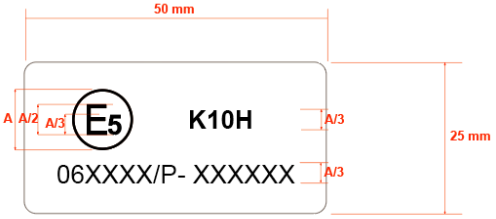
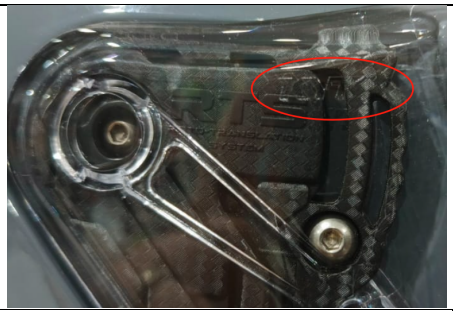
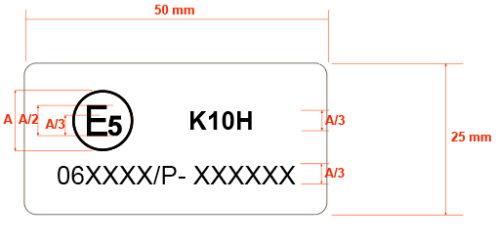
<tr>
<td>KYT</td>
<td>KYT
KYT</td>
</tr>
</table>

APPENDIX 10 Location and method of affixing of the international approval mark

Ref.	Requirement	Description or image
	Method of Marking to the helmet	
4.1.1	**the applicant's trade name or mark,** **an indication of the size (in letter and cm) See 14.3**	
	The year of production	 
	if appropriate, an indication of the unsuitability of the lower face cover to offer any protection against impacts to the chin.	**NOT APPLICABLE**
14.3	**protective helmet is clearly marked with its size and its maximum weight, to the nearest 50 grams, as placed on the market.**	
	The approval number and the production serial number shall be placed close to the circle and either above or below the letter "E" or to the left or right of that letter.	**PLEASE PROVIDE US THE HOMOLOGATION NUMBER SO WE CAN TAKE THE PHOTOS.**  A = 10 mm HELMET TYPE : K10H COLOR OF LABEL : WHITE COLOR OF PRINT : BLACK

Ref.	Requirement	Description or image
	Method of Marking to the visor	
4.2	**The visor shall bear the applicant's trade name or mark**	
	The approval number and the production serial number shall be placed close to the circle and either above or below the letter "E" or to the left or right of that letter.	
	EXCEEDS VESC-8 NOT WARRANTED SHATTERPROOF HARD FINISHED SHELL IF TINTED FOR DAYTIME USE ONLY	

APPENDIX 10 Differences Declaration

Here by PT Tara Cltra Kusuma
Product: HELMET WITH SPOILER EXTENSION SMALL & BIG
Type: K10H
Variants: KYT R1R, SUOMY R1R, KYT R1R PRO, SUOMY R1R PRO

We declare that our products K10H with variants KYT R1R, SUOMY R1R, KYT R1R PRO, SUOMY R1R PRO 918 are same in:

Shell materials and protective padding materials.

The only difference is in the name, because the sales areas are different and the packaging is also different.

Our company promises that the product only has named differences and no other changes. Any losses caused by other changes will be borne by our company.

Signature of a responsible person:
Place: Cikarang, Indonesia
Date: 19-05-2025

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01480

Protective Helmets and their Visors for Drivers and Passengers of Motorcycles and Mopeds

0. Legislation:

0.1.	Requirements according to	:	UNECE Regulation 22.06, Supplement 3

1. General

1.1.	Reason for Inspection Report	:	New approval / ~~Extension of approval / Test report only / COP~~
1.1.1.	Previous Type Approval Number	:	N/A
1.2.	Manufacturer's Representative(s)	:	N/A
1.3.	CETOC TS Representative(s)	:	Aaron Qi
1.4.	Location of test	:	Intertek Testing Services Shenzhen Ltd. West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No. 4012, Wuhe Ave. North, Bantian Street, Longgang District Shenzhen, Guangdong, China.
1.5.	Date of test	:	28/06/2025-02/07/2025

2. Manufacturer Details

2.1.	Make	:	TCK
2.2.	Type	:	K10H
2.3.	Variant/Version	:	KYT R1R, SUOMY R1R, KYT R1R PRO, SUOMY R1R PRO
2.4.	Commercial Name	:	Protective Helmet with Visor
2.5.	Category	:	Helmet with protective lower face cover (P)
2.6.	Name and Address of manufacturer	:	PT Tara Cltra Kusuma Delta Silicon Industrial Park, Jl Meranti 3 Blok L 10 No. 3 & 5, Lippo Cikarang, Bekasi 17550, Indonesia

3. Conclusion:

3.1.	Final conclusion of the inspection	:	The above mentioned type was tested in accordance with the above mentioned legislation and was found to comply in all respects. This Inspection report relates only to the items tested.	
	Signature	:		
	Name	:	Aaron Qi	Marco Pagliari
	Position	:	Type Approval Engineer	Tech. Mgr.
	Place and date	:	Guangzhou, China, 03/07/2025	Roma, 03/07/2025

4. List of Appendixes:

Appendix Nr.	Page Nr.		Subject
Appendix 1	2	:	Test report history
Appendix 2	2-5	:	General specification
Appendix 3	6-26	:	Inspection results
Appendix 4	27-28	:	Photos

APPENDIX 1 - TEST REPORT HISTORY

List this report and previous reports, with extension details.

Inspection Report Number	Reason for Extension	Date of Issue
CN-54-17-904-COM25-34210-IR	NA, new type approval.	03/07/2025

APPENDIX 2 – GENERAL SPECIFICATION

1. Worst Case Rationale :

K10H with variants KYT R1R, SUOMY R1R, KYT R1R PRO, SUOMY R1R PRO 918 are same in Shell materials and protective padding materials. The only difference is in the name, because the sales areas are different and the packaging is also different.

K10H is tested as worst case.

The configuration of the K10H helmet is below:
15 sets for size: XXL, 3 sets for size: XL, 15 sets for size: L,
3 sets for size: M, 15 sets for size: S, 3 sets for size: XS,
Sum: 54

The follow test plan shall be conducted. Approval test sampling:

Product	Test	Sample	number
Helmet	Impact Absorption Test	XXL	5
		L	5
		S	5
		XL	2
		M	2
		XS	2
	Impact Absorption Extra Point Test	XXL	2
		L	2
		S	2
	Rigidity Test	XXL	2
		L	2
		S	2
	Hi/Low Energy Impact	XXL	2
		L	2
		S	2
	Projection and Surface Friction (Method B)	L	1
		M	1
	Retention Systemdynamic Test	XXL	1
		XL	1
		L	1
		M	1
		S	1
		XS	1
	Retention (detaching) Test	XXL	1
		L	1
		S	1
	Oblique Impact Test	XXL	2
		L	2
		S	2

2. Significant Interpretations, Alternative Test Methods, New Technologies : NA

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3. Summary of test results :

3.1. Applicability

	PASS	FAIL	N/A	COVERED BY PREVIOUS EXTENSON	See approval/Report Nr.
Markings:	☒	☐	☐	☐	
General Specifications:	☒	☐	☐	☐	
Helmet test					
Impact Absorption:	☒	☐	☐	☐	
Std Linear Impact	☒	☐	☐	☐	
Linear Extra Point Impact	☒	☐	☐	☐	
Linear Hi/Low Energy Impact	☒	☐	☐	☐	
Projection and Surface Friction:	☒	☐	☐	☐	
Rigidity:	☒	☐	☐	☐	
Retention System (Dynamic):	☒	☐	☐	☐	
Retention (Detaching):	☒	☐	☐	☐	
Micro-slip of the Chin Strap:	☒	☐	☐	☐	
Resistance to Abrasion of the Chin Strap:	☐	☐	☒	☐	
Retention Systems Relying on Quick Release Mechanism:	☐	☐	☒	☐	
Tests for Oblique impact and measurement of rotational acceleration:	☒	☐	☐	☐	
Visor Test					
Field of vision of the visor	☐	☐	☒	☐	
Luminous transmittance	☐	☐	☒	☐	
Light diffusion	☐	☐	☒	☐	
Recognition signal lights	☐	☐	☒	☐	
Spectral transmittance	☐	☐	☒	☐	
Refractive powers	☐	☐	☒	☐	
Mist retardant visor (opt.)	☐	☐	☒	☐	
Mechanical character	☐	☐	☒	☐	
Optical Qualities and Scratch Resistance	☐	☐	☒	☐	
Sun shield tests					
Field of vision of the sun shield	☐	☐	☒	☐	
Luminous transmittance	☐	☐	☒	☐	
Recognition of signal lights	☐	☐	☒	☐	
Spectral transmittance	☐	☐	☒	☐	
Refractive powers	☐	☐	☒	☐	
Accessories tests					
Projection and Surface Friction:	☐	☐	☒	☐	
Dimensions and weight	☐	☐	☒	☐	
Mechanical characteristics	☐	☐	☒	☐	

4. Component Specification :

Component Identification Number:	K10H

Test Object

- [ ] Protective helmet (without visor)
- [x] Protective helmet (with visor)
- [ ] Visor (protective screen)
- [ ] Sun shield (additional tinted screen)
- [ ] Accessories

Protective Helmet

Type : K10H

Sizes : XS(53/54), S(55/56), M(57/58), L(59/60), XL(61/62), XXL(63)

Helmet types :

- [ ] (J) Jet
- [x] (P) Full face
- [ ] (NP) Jet
- [ ] (P/J) Modular helmet

Visor

Type : K6V

Brief description : The details Please see certificate. Approval no.: E1*22R06/02*301020*00

Types of helmet to which the visor may be fitted : K6H, K10H, K10H-GP

Sun shield : N/A

Accessories : N/A

[1]Note: Cancel where is not applicable

5. Facility and Equipment Checks

5.1.	Calibration certificates checked and valid, recorded in the following table	:	Conform
5.2	All instruments are equipped with identification label	:	Yes
5.3	Calibration certificates are complete of calibration-chain with detailed information regarding primary used.	:	Yes

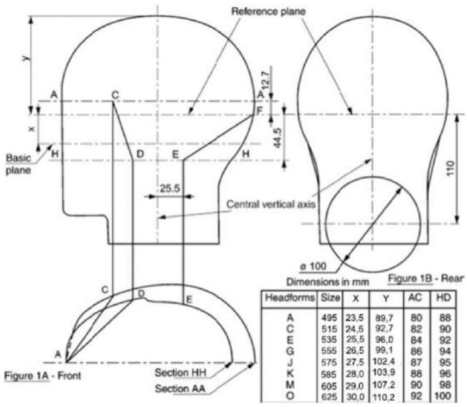
No.	Equipment	Serial / Certificate No.	Calibration due*
1	Helmet impact machine (Twin Wire Machine)	SN LW323831/CN JL2505569471	21/04/2026
2	Laser Table	SN 04121202/CN S422049986	17/08/2025(3 year)
3	Field of vision gauge kit	SN 04121202/CN S422049986	17/08/2025(3 year)
4	Helmet Strap tensile testing machine(dynamic)	NA/CN S422040180	06/07/2025(3 year)
5	European Detaching Machine	SN 04121205/CN S423010654	06/04/2028(5 year)
6	Helmet mounted area and surface friction tester	NA/CN S423043942	16/08/2026(3 year)
7	Harness tester	NA/CN S424067562	10/09/2025
8	Micro-slip test of the chin strap	NA/CN S423043936	16/08/2026(3 year)
9	Penetration tester	NA/CN S424053425	16/07/2027(3 year)
10	Sand shakeout tester	NA/CN S423043941	16/08/2026(3 year)
11	Flat focus lens	NA/CN YYgg2022-02235	28/09/2025(3 year)
12	Lens tester	SN 316163/CN S424029445	09/05/2027(3 year)
13	Spectrophotometer	SN 07DF.0007/CN JL2507349271	22/06/2026
14	Electronic Balance	SN 114873/CN S424067539	10/09/2025
15	Refrigeratory	SN N/A/CN S424053532	23/07/2025
16	Drying Oven	SN 13-01245/CN S424053531	23/07/2025
17	Drying Oven(800*600*500mm)	SN 14-20414/CN S424084293	11/11/2025

**Specify calibrated date + (interval) or calibration due date.*

APPENDIX 3 – INSPECTION RESULTS

		PASS	FAIL	N/A
	Markings			
4.1.1.	On the helmet, it bears the applicant's trade name or mark, and an indication of the size and, if appropriate, an indication of the unsuitability of the lower face cover to offer any protection against impacts to the chin.	☒	☐	☐
4.2.	For application for approval of a visor type, the visor shall bear the applicant's trade name or mark and, if appropriate, an indication of the unsuitability of the visor for use during the hours of darkness or in conditions of poor visibility.	☒	☐	☐
4.3.	Marking is not placed within the main visibility area.	☒	☐	☐
4.4.	The accessories submitted for approval in conformity with paragraph 3.3. above shall bear the applicant's trade name or mark.	☒	☐	☐
4.5.	Marking is indelible, clearly legible and in a readily accessible place.	☒	☐	☐
8.2	Raw data of test paragraph 7.13. stored by the technical service and available to the approval authority. (For the purpose of improvement of the Regulation at a later stage.)	☒	☐	☐
	General Specifications	☒	☐	☐
6.1.	Basic construction of the helmet is in the form of a hard outer shell, containing additional means of absorbing impact energy and a retention system.	☒	☐	☐
6.2.	A protective helmet may be fitted with ear flaps and a neck curtain. It may also have a detachable peak, a visor, additional sun shield, electronic equipment or accessories and a lower face cover.	☒	☐	☐
6.2.	If fitted with a non-protective lower face cover, the outer surface of the cover is marked 'Does not protect chin from impacts' and/or with the symbol shown in Figure 1 below, indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin.  Note: this symbol or indication must be visible and extend over at least 2 cm^2	☐	☐	☒
6.3.	No component, accessory or device may be fitted to or incorporated in the protective helmet unless it is designed in such a way that it will not cause injury and that, when it is fitted to or incorporated in the protective helmet, the helmet still complies with the requirements of this Regulation. Accessories shall be fitted in accordance with the helmet manufacturer's	☒	☐	☐

		PASS	FAIL	N/A
	instructions and, if it is the case, also in accordance with the accessory manufacturer's instructions. Only approved helmets and approved accessories according to this Regulation can guarantee the performance of the combination of them.			
6.3.1	The helmets may be prepared for fitting universal accessories.	☐	☐	☒
6.4.1.	Shell covers all areas above plane AA' and extends downwards at least as far as the lines 'CDEF' on both sides of the head form. Note: See Annex 4, Figure 1A.	☒	☐	☐



Headforms	Size	X	Y	AC	HD
A	495	23,5	89,7	80	88
C	515	24,5	92,7	82	90
E	535	25,5	96,0	84	92
G	555	26,5	99,1	86	94
J	575	27,5	102,4	87	95
K	585	28,0	103,9	88	96
M	605	29,0	107,2	90	98
O	625	30,0	110,2	92	100

6.4.2.	At the rear, the rigid parts and, in particular, the shell, are not within a cylinder, defined as follows (see Annex 4, Figure 1 B): - Diameter: 100 mm; - Axis situated at the intersection of the medium plane of symmetry of the head form and of a plane parallel to and 110 mm below the reference plane. Note: In case the helmet will be marked as "R" (able to fit rear mounted universal accessories), a rear accessory simulator as defined in Annex 20 will be fitted for the assessment of this requirement.	☒	☐	☐
6.4.3.	Protective padding covers all the areas defined in paragraph 6.4.1, with account being taken of the requirements of paragraph 6.5.	☒	☐	☐
6.5.	Helmet does not dangerously affect the wearer's ability to hear.	☒	☐	☐
6.5.	Temperature in the space between the head and the shell does not rise inordinately. Note: To prevent this, ventilation holes may be provided in the shell.	☒	☐	☐
6.5.	Where means for attaching a visor are not provided, the profile at the front edge does not prevent the wearing of goggles.	☐	☐	☒
6.6.	All projections from, or irregularities in the outer surface of the shell greater than 2 mm, are tested for shear assessment according to paragraphs 7.4.1 or 7.4.2. The outer surface of the helmet is tested for friction assessment, according to paragraphs 7.4.1 or 7.4.2. This applies in particular to a movable lower face cover in all positions intended by the manufacturer.	☒	☐	☐
6.7.	All external projections are radiused and any external projections other than press-fasteners are smooth and adequately faired.			

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		PASS	FAIL	N/A
		☒	☐	☐
6.7.1.	All external projections not more than 2 mm above the outer surface of the shell (e.g. rivet heads) have a radius of a minimum of 1 mm.	☒	☐	☐
6.7.2.	All external projections more than 2 mm above the outer surface of the shell have a radius of a minimum of 2 mm. Note: Latter specific requirements do not apply if a projection satisfies the requirements in paragraphs 7.4.1 or 7.4.2 below.	☒	☐	☐
6.8.	There are no inward-facing sharp edges on the inside of the helmet; rigid, projecting internal parts are covered with padding so that any stresses transmitted to the head are not highly concentrated.	☒	☐	☐
6.9.	Various components of the protective helmet are so assembled that they are not liable to become easily detached as a result of an impact.	☒	☐	☐
6.9	In the case of visor and movable or detachable lower face cover, only when in not protective position, the detachment is acceptable provided that it is complete and not to cause possible injuries to the user	☒	☐	☐
6.10.	Retention systems are protected from abrasion.	☒	☐	☐
6.11.	Helmet is held in place on the wearer's head by means of a retention system, which is secured under the lower jaw. All parts of the retention system are permanently attached to the system or to the helmet.	☒	☐	☐
	Chin strap			
6.11.1.	If the retention system includes a chinstrap, the strap is not less than 20 mm wide under a load of 150 N ± 5 N, applied under the condition prescribed in paragraph 7.6.2: More than 20 mm	☒	☐	☐
6.11.2.	Chin strap does not include a chin cup.	☒	☐	☐
	Adjustment device			
6.11.3.	Chin straps are fitted with a device to adjust and maintain tension in the strap.	☒	☐	☐
	Fastening devices			
6.11.4.	Chin strap fastening and tensioning devices are positioned on the straps so that:			
	- There are no rigid parts extending more than 130 mm vertically below the head form reference plane, with the helmet mounted on the appropriately sized head form*	☒	☐	☐
	~~- The whole of the device is between the bony projections of the underside of the lower jaw*~~			
	*Strikethrough, as appropriate.	☒	☐	☐
6.11.5.	If the retention system includes either a double-D ring or sliding bar fastening device ("roller buckle"), then means are provided to prevent the retention system being completely undone and also to retain the free end			

		PASS	FAIL	N/A
	of the strap when the retention system is adjusted. (If the retaining system can be opened completely, it must be possible only with voluntary action. To prevent any possible misuse, the helmet must be provided with detailed instructions on the use of the buckle if required.)	☒	☐	☐
	Pulling flap			
6.11.6.	Sliding bar and double-D ring fastening devices are fitted with a pulling flap to be used for releasing the retention system. Its color is red and its minimum dimensions are 10 x 20 mm.	☒	☐	☐
6.11.7.	If a retention system includes a quick-release mechanism, then the method of release of this mechanism is self-evident. Any levers, tabs, buttons or other components that need to be operated to release the mechanism are colored red; those parts of the rest of the system that are visible when closed are not similarly colored, and the mode of operation is permanently indicated.	☒	☐	☐
6.11.8.	Retention system remains closed when the tests described in paragraphs 7.3, 7.6 and 7.7 are carried out.	☒	☐	☐
6.11.9.	Buckle of the retention system is designed so as to preclude any possibility of incorrect manipulation. This means inter alia (among other things) that it is not possible for the buckle to be left in a partially closed position.	☒	☐	☐
6.12.	If the lower face cover is detachable or movable, the lower face cover is fitted with a device that maintains the intended position even during the complete series of impacts and retention (detaching) test. The device is such that incorrect handling is impossible. The control/actuating device must be of red color. The helmet must comply with the requirements for helmet categories "J","P" or both.	☐	☐	☒
6.13.	Characteristics of the materials used in the manufacture of helmets are known not to undergo appreciable alteration under the influence of ageing or of the circumstances of use to which the helmet is normally subjected, such as exposure to sun, extremes of temperature and rain. For those parts of the helmet coming into contact with the skin, the materials used are known not to undergo appreciable alteration through the effect of perspiration or of toilet preparations. The manufacturer does not use materials known to cause skin troubles. The suitability of the proposed new material is established by the manufacturer.	☒	☐	☐
6.14.	After the performance of one of the prescribed tests, the protective helmet does not exhibit any breakage or deformation dangerous to the wearer.	☒	☐	☐
	Note: As example visor sunshield and shell significant cracks or any part partially detached (spoiler, lower face cover, accessories) that can hurt the user while he's rolling on the road.	☒	☐	☐
	Peripheral Vision			
6.15.1	The technical service has selected from among the existing sizes of a helmet type the size it considers likely to yield the least favorable result	☒	☐	☐

		PASS	FAIL	N/A
	and helmet placed on the head form corresponding to its size by the procedure set out in Annex 5 to this Regulation;			
6.15.2	The technical service has selected from among the existing sizes of a helmet type the size it considers likely to yield the least favorable result and helmet placed on the head form corresponding to its size by the procedure set out in Annex 5 to this Regulation;	☒	☐	☐
6.15.3.	There is no occultation in the field of vision bounded by:			
6.15.3.1.	-Horizontally: Two segments of dihedral angles symmetrical in relation to the median longitudinal vertical plane of the head form and situated between the reference and the basic planes. Each of these dihedral angles is defined by the median longitudinal vertical plane of the headform and the vertical plane forming an angle of not less than 105° with the median longitudinal vertical plane and whose edge is the straight-line LK;	☒	☐	☐
6.15.3.2.	- Upwards: Dihedral angle defined by the reference plane of the head form and a plane forming an angle of not less than 7° with the reference plane and whose edge is the straight line L1 L2, the points L1 and L2 representing the eyes;	☒	☐	☐
6.15.3.3.	- Downwards: Dihedral angle defined by the basic plane of the head form and a plane forming an angle of not less than 45° with the basic plane, and whose edge is the straight line K1 K2.	☒	☐	☐
	Visors	☐	☐	☒
	Sun Shield	☐	☐	☒
	Accessories	☐	☐	☒
	Tests			
7.1	Each helmet type, fitted with its visor if placed on the market with a visor, conditioned as shown below.			

Test	Number of helmets to be conditioned				Total
	ambient-temperature and hygrometry conditioning	Heat conditioning	low-temperature conditioning	ultra- violet radiation conditioning and moisture conditioning	
Impact absorption	2	1	1	1	5
Imp. Abs. extra point	2				2
Hi/Low energy impact	2				2
Rotational	2				2
Projection and surface friction	1				1
Rigidity	2				2
Retention system	1				1
					15

		☒	☐	☐
7.1	Testing Notes: The largest size of each combination shell size and protective padding of each helmet type shall be tested for impact absorption, rotation and rigidity. For impact absorption on extra point, Hi and Low energy impacts and tests of the retention system, helmet sizes shall be chosen such that the helmet to be tested shall be that offering the likely least favorable conditions (such as thickest padding, etc). All the types of retention systems available for the helmet must be tested. Supplementary samples could be necessary.	☒	☐	☐

		PASS	FAIL	N/A
	Additionally, for each smaller head form size within the size range of the helmet type two helmets shall undergo the impact absorption test. One helmet shall be heat conditioned, and the other low temperature conditioned. The conditioned helmets shall be impacted against either anvil, in equal numbers, if possible, at the choice of the laboratory.			
	Types of Conditioning			
7.2	Prior to any type of further conditioning for mechanical tests, as specified in paragraph 7.1., each helmet shall be subject:	☒	☐	☐
7.2.1.	Ambient-temperature and hygrometry conditioning: The helmet shall be exposed to a temperature of 25 °C ± 5 °C and a relative humidity of 50 per cent ± 10 per cent for at least 4 hours.	☒	☐	☐
7.2.2.	Heat conditioning: The helmet shall be exposed to a temperature of 50 °C ± 2 °C for not less than 4 hours and not more than 8 hours.	☒	☐	☐
7.2.3.	Low-temperature conditioning: The helmet shall be exposed to a temperature of -10 °C ± 2 °C for not less than 4 hours.	☒	☐	☐
7.2.4.	Ultraviolet-radiation conditioning and moisture conditioning. The outer surface of the protective helmet shall be exposed successively to: ultraviolet irradiation by a 150-watt xenon-filled quartz lamp for 48 hours at a range of 25 cm; spraying for 4 to 8 hours with water at ambient temperature at the rate of 1 litre per minute.	☒	☐	☐

Test Results

7.3 **Impact Absorption Tests** ☒ ☐ ☐

7.3.1.4. The tests completed not more than five minutes after the helmet is taken from the conditioning chamber.

7.3. Helmet size: XXL ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
XXL-1	62	B	Flat	AMB	7.52	162.4	1027
		X	Flat		7.52	186.5	1409
		R	Kerbstone		7.54	107.5	729
		P	Kerbstone		7.51	143.4	1110
XXL-2	62	B	Kerbstone	AMB	7.59	130.9	922
		X	Kerbstone		7.55	138.6	888
		R	Flat		7.52	124.9	536
		P	Flat		7.52	188.4	1681
		S	Flat		6.02	170.0	687
XXL-3	62	B	Kerbstone	+50	7.52	122.4	828
		X	Kerbstone		7.54	150.6	987
		R	Kerbstone		7.51	119.7	806
		P	Kerbstone		7.56	149.6	1139
XXL-4	62	B	Flat	-10	7.55	171.5	1324
		X	Flat		7.54	197.0	1550
		R	Flat		7.54	108.5	483
		P	Flat		7.51	203.8	1923
XXL-5	62	B	Flat	UV + H2O	7.52	176.5	1313
		X	Flat		7.54	186.4	1370
		R	Kerbstone		7.58	117.1	718
		P	Kerbstone		7.59	161.3	1090
		S	Flat		6.02	167.5	664

7.3. Helmet size: L ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
L-1	60	B	Kerbstone	AMB	7.52	138.3	809
		X	Kerbstone		7.51	146.9	922
		R	Flat		7.51	122.1	543
		P	Flat		7.52	214.9	2083
		S	Flat		6.04	104.3	424
L-2	60	B	Flat	AMB	7.56	192.0	1584
		X	Flat		7.55	224.1	1908
		R	Kerbstone		7.51	151.5	772
		P	Kerbstone		7.53	171.4	1664
L-3	60	B	Kerbstone	+50	7.52	134.8	720
		X	Kerbstone		7.53	156.3	997
		R	Kerbstone		7.54	124.6	818
		P	Kerbstone		7.51	152.3	1176
L-4	60	B	Flat	-10	7.53	152.7	1041
		X	Flat		7.54	197.4	1482
		R	Flat		7.52	174.2	1267
		P	Flat		7.51	191.2	1722
		S	Flat		6.05	139.5	539
L-5	60	B	Kerbstone	UV + H2O	7.53	137.6	793
		X	Kerbstone		7.51	129.0	773
		R	Flat		7.52	168.6	1270
		P	Flat		7.53	178.5	1601
		S	Flat		6.07	96.8	262

7.3. Helmet size: S ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
S-1	54	B	Flat	AMB	7.52	196.4	1465
		X	Flat		7.57	215.9	1764
		R	Kerbstone		7.53	145.7	913
		P	Kerbstone		7.55	193.8	1765
		S	Flat		6.07	149.1	549
S-2	54	B	Kerbstone	AMB	7.52	200.2	1188
		X	Kerbstone		7.55	188.4	1460
		R	Flat		7.58	144.9	911
		P	Flat		7.54	200.5	1824
		S	Flat		6.06	114.2	318
S-3	54	B	Kerbstone	+50	7.52	155.4	859
		X	Kerbstone		7.56	193.4	1474
		R	Kerbstone		7.56	146.4	997
		P	Kerbstone		7.59	177.4	1644
S-4	54	B	Flat	-10	7.52	204.4	1726
		X	Flat		7.57	197.8	1698
		R	Flat		7.53	207.3	1660
		P	Flat		7.52	208.0	1856
		S	Flat		6.04	127.6	436
S-5	54	B	Flat	UV + H2O	7.53	202.9	1537
		X	Flat		7.52	195.5	1621
		R	Kerbstone		7.52	158.6	1230
		P	Kerbstone		7.53	182.2	1642
		S	Flat		6.07	116.9	450

7.3. Helmet size: XL ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
XL-1	62	B	Flat	+50	7.53	163.0	1178
		X	Flat		7.52	203.8	1564
		R	Kerbstone		7.56	116.1	729
		P	Kerbstone		7.53	160.0	1037
XL-2	62	B	Kerbstone	-10	7.52	175.4	1300
		X	Kerbstone		7.56	197.7	1489
		R	Flat		7.51	142.7	591
		P	Flat		7.52	180.9	1593
		S	Flat		6.07	138.0	555

7.3. Helmet size: M ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
M-1	57	B	Kerbstone	+50	7.52	179.8	1359
		X	Kerbstone		7.58	159.9	1066
		R	Kerbstone		7.55	126.1	864
		P	Kerbstone		7.51	146.7	1064
M-2	57	B	Flat	-10	7.52	185.6	1481
		X	Flat		7.51	209.5	1687
		R	Flat		7.56	173.6	1358
		P	Flat		7.55	205.9	1889
		S	Flat		6.07	104.9	428

7.3. Helmet size: XS ☒ ☐ ☐

Std Linear Impact

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
XS-1	53	B	Kerbstone	+50	7.56	165.1	1118
		X	Kerbstone		7.57	175.6	1356
		R	Kerbstone		7.58	135.8	876
		P	Kerbstone		7.52	195.0	1813
XS-2	53	B	Flat	-10	7.52	206.5	1896
		X	Flat		7.54	215.9	1785
		R	Flat		7.57	191.4	1603
		P	Flat		7.59	214.1	1969
		S	Flat		6.05	99.3	259

Linear Extra Point Impact (Worst Case Size Selected):

7.3. Helmet size: XXL ☒ ☐ ☐

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
XXL-6	62	BP	Flat	AMB	7.56	194.2	1667
		XPL	Flat		7.57	228.2	1901
		RP	Kerbstone		7.52	161.6	1075
		XPR	Kerbstone		7.51	127.6	835
XXL-7	62	BXR	Kerbstone	AMB	7.53	139.3	965
		RXR	Kerbstone		7.55	146.8	978
		RXL	Flat		7.56	222.6	1914
		BXL	Flat		7.57	177.4	1453

7.3. Helmet size: L ☒ ☐ ☐

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
L-6	60	BP	Flat	AMB	7.56	178.9	1390
		XPL	Flat		7.54	209.0	1738
		RP	Kerbstone		7.57	162.4	944
		XPR	Kerbstone		7.58	154.6	807
L-7	60	BXR	Kerbstone	AMB	7.58	134.3	850
		RXR	Kerbstone		7.55	124.5	803
		RXL	Flat		7.57	170.3	1355
		BXL	Flat		7.52	178.5	1231

7.3. Helmet size: S ☒ ☐ ☐

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,400)*
S-6	54	BP	Flat	AMB	7.51	223.5	2116
		XPL	Flat		7.55	230.8	2020
		RP	Kerbstone		7.56	166.2	1180
		XPR	Kerbstone		7.53	183.8	1766
S-7	54	BXR	Kerbstone	AMB	7.52	161.4	1247
		RXR	Kerbstone		7.56	156.2	1000
		RXL	Flat		7.51	166.9	1227
		BXL	Flat		7.57	225.1	1984

Extra test locations to be selected from the 12 listed in section 7.3.4.2.1

7.3. Helmet size: XXL ☒ ☐ ☐

Linear Hi Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,880)*
XXL-8	62	B	Flat	AMB	8.24	190.5	2043
		X	Flat		8.23	226.7	2408
		R	Flat		8.25	184.2	1562
		P	Flat		8.23	209.1	2365

7.3. Helmet size: L ☒ ☐ ☐

Linear Hi Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,880)*
L-8	60	B	Flat	AMB	8.21	171.5	1405
		X	Flat		8.24	215.5	1737
		R	Flat		8.23	181.2	1526
		P	Flat		8.24	190.0	1767

7.3. Helmet size: S ☒ ☐ ☐

Linear Hi Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 275 g)*	HIC *(≤ 2,880)*
S-8	54	B	Flat	AMB	8.28	220.3	2136
		X	Flat		8.24	244.4	2342
		R	Flat		8.21	156.9	1180
		P	Flat		8.23	225.3	2396

7.3. Helmet size: XXL ☒ ☐ ☐

Linear Low Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 180 g)*	HIC *(≤ 1,300)*
XXL-9	62	B	Kerbstone	AMB	6.04	88.8	368
		X	Kerbstone		6.03	136.4	511
		R	Flat		6.05	140.7	801
		P	Flat		6.05	157.3	860

7.3. Helmet size: L ☒ ☐ ☐

Linear Low Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 180 g)*	HIC *(≤ 1,300)*
L-9	60	B	Flat	AMB	6.07	149.9	913
		X	Flat		6.06	147.8	838
		R	Kerbstone		6.02	79.0	305
		P	Kerbstone		6.05	124.6	492

7.3. Helmet size: XXL ☒ ☐ ☐

Linear Low Energy Impact (Worst Case Size Selected):

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (m/s)	Deceleration *(≤ 180 g)*	HIC *(≤ 1,300)*
S-9	54	B	Flat	AMB	6.07	170.7	1216
		X	Flat		6.05	168.5	1264
		R	Kerbstone		6.02	146.1	713
		P	Kerbstone		6.04	171.6	1080

Test for Projection and Surface Friction (Method B) ☒ ☐ ☐

	Helmet ID Number	Test	Results
7.4.2.1.3.1.	L-14	Projection	Pass
7.4.2.1.3.2.	S-14	Surface	Pass

Test for projections of the category P/J with movable lower face cover

7.4.3.1 Strength assessment of the movable face cover in the position "J", the helmet placed on the appropriate test head form selected from Annex 4 in compliance with paragraph 7.3.1.3.1. ☐ ☐ ☒

7.4.3.2 Falling mass of 4 kg ± 0.01 kg released in guided free fall from a height of 600 ± 5 mm hooked on to the front part of the chin section in the position "J" in the median vertical plane of the helmet. ☐ ☐ ☒

Test apparatus used to apply a shock load to a helmet secured to the headform by its own retention system. Headform secured in a test fixture with its vertical axis pointing upward at 45° to the direction of gravity.

7.4.3.3 Equipment allows drop weight to slide in a guided free fall to impact a rigid stop anvil.

Mass of the guide is 1.0 -0.0 +0.2 kg.
Impact speed not less than 95 per cent of the theoretical speed. ☐ ☐ ☒

7.4.3.4. Movement such to avoid any possible interference of the chin guard with 100 mm cylinder as defined in paragraph 6.4.2. (Partial detachment is not acceptable.) ☐ ☐ ☒

Rigidity Tests

7.5.1. The test helmets have undergone ambient-temperature and hygrometry conditioning. ☒ ☐ ☐

Helmet ID Number	Condition	Helmet Size (cm)	Load Direction	Deformation (mm)	
				Max *(load 630 N) (≤ 40 mm)*	Final *(load 30 N) (≤ 15 mm)*
XXL-13	AMB	63	Longitudinal	21	8
XXL-14	AMB	63	Transversal	19	9
L-13	AMB	60	Longitudinal	24	9
L-14	AMB	60	Transversal	20	10
S-13	AMB	56	Longitudinal	27	11
S-14	AMB	56	Transversal	22	12

Dynamic Test of the Retention System

7.6.1	Helmet is positioned as prescribed in paragraph 7.3.1.3.1.	☒	☐	☐
7.6.2	Set up is as per 7.6.2 and Annex 8, Figure 2	☒	☐	☐
7.6.3	Falling mass of 10 kg ± 0.1 kg released drops in guided free fall from a height of 750 ± 5 mm.	☒	☐	☐
7.6.4	During the test, the dynamic displacement of the point of application of the force shall not exceed 35 mm	☒	☐	☐
7.6.5	After two minutes, the residual displacement of the point of application of the force, as measured under a mass of 15 kg ± 0.5 kg, does not exceed 25 mm.	☒	☐	☐

Helmet ID Number	Helmet Size (cm)	Chin Strap	H.F. Size Number	Extension Dynamic (≤ 35 mm)	Extension Residual (≤ 25 mm)
XXL-15	63	Be tightened as for "normal use"	63	26.8	12.7
XL-3	62	Be tightened as for "normal use"	62	20.1	15.2
L-15	60	Be tightened as for "normal use"	60	18.7	14.3
M-3	58	Be tightened as for "normal use"	58	21.3	13.6
S-15	56	Be tightened as for "normal use"	56	22.9	12.2
XS-3	54	Be tightened as for "normal use"	54	19.4	10.7

Retention (Detaching) Test

7.7.1. The test helmets have undergone ambient-temperature and hygrometry conditioning. ☒ ☐ ☐

7.7.6. Modular helmets tested in J and P configuration. ☒ ☐ ☐

Helmet ID Number	Helmet Size (cm)	Chin Strap	H.F. Size Number	After the Test (Angle ≤ 30°)	
				Backward	Frontward
XXL-12	63	Ambient temperature and hygrometry conditioning	62	<30°	<30°
L-12	60	Ambient temperature and hygrometry conditioning	60	<30°	<30°
S-12	56	Ambient temperature and hygrometry conditioning	54	<30°	<30°

7.10 **Micro-slip Test of the Chin Strap**
Note: See Annex 8, Figure 4) ☒ ☐ ☐

Chin strap	Total Slip (≤ 10 mm)
The total slippage through the grip shall not exceed 10 mm.	3 mm

Test for Resistance to Abrasion of the Chin Strap
Note: See Annex 8, Figure 5.

7.11.5 Strap tested to a tension of 3 kN without breaking. ☐ ☐ ☒

Chin Strap	Tension of 3 kN
The length of the strap between the clamps	N/A

Tests for Retention Systems Relying on Quick Release Mechanism

7.12 Tests carried out as per the procedures of 7.12.1 to 7.12.3 in the order given. ☐ ☐ ☒

	Chin Strap	Test	Results
7.12.1.	N/A	Inadvertent release by pressure	N/A
7.12.2.	N/A	Ease of release *(Max. load ≤ 30 N or ≤ 60 N)*	N/A
7.12.3	N/A	Durability of quick release mechanisms	N/A

Tests for Oblique impact and measurement of rotational acceleration

7.13.	The test helmets have undergone ambient-temperature and hygrometry conditioning.	☒	☐	☐
Annex 7, 2.4.	Coefficient of friction (m) 0.3 ± 0.05 between the outer surface of the head form and the common fabric used in the comfort padding of the helmet.	☒	☐	☐
Annex 7, 2.5.	Chin strap force controller “Tightened as for normal use". (This means that the helmet must be tightened before each test after having applied below the chin a rigid cylinder 10 mm diameter at least 30 mm long that will be removed before the test. According to paragraph 7.3.1.3.)	☒	☐	☐
Annex 7, 2.6.	Instrumentation for measuring the head kinematics during impact calibrated in line with Annex 7, 2.6.	☒	☐	☐
Annex 7, 2.7.	Head form coefficient of friction calibrated in line with Annex 7, 2.7.	☒	☐	☐
Annex 7, 3.1	Helmet placed on a head form of appropriate size in accordance with the requirements of Annex 5. Helmet positioned in accordance to the HPI (helmet positioning index) provided by the manufacturer. If it is not available, the helmet shall be tipped towards the rear so that the front edge of the helmet in the median plane is displaced by 25 mm.	☒	☐	☐
Annex 7, 3.2.2	Anvil (A) as per Annex 7, 3.2.2 and figure 2	☒	☐	☐
Annex 7, 3.	Test method in accordance with Annex 7, 3.	☒	☐	☐
7.3.	Helmet size: *L*	☒	☐	☐

Helmet ID Number	H.F. Size Number	Impact Point	Anvil	Cond. (°C)	Speed (8.0m/s)	Peak Resultant Acceleration (PRA) *≤ 10,400 rad/s²*	Brain Injury Criterion (BrIC) *≤ 0.78*
XXL-10	62	Front lateral right (45°)	45° Anvil	AMB	8.0	4652.3	0.41
		Rear (180°)	45° Anvil		8.0	5594.8	0.53
		Lateral left (270°)	45° Anvil		8.0	6038.1	0.59

XXL-11	62	Front (0°)	45° Anvil	AMB	8.0	4061.7	0.34
		Rear-lateral right (135°)	45° Anvil		8.0	5418.6	0.48
L-10	60	Front lateral right (45°)	45° Anvil	AMB	8.0	3849.5	0.35
		Rear (180°)	45° Anvil		8.0	4951.2	0.41
		Lateral left (270°)	45° Anvil		8.0	5537.8	0.48
L-11	60	Front (0°)	45° Anvil	AMB	8.0	4162.1	0.40
		Rear-lateral right (135°)	45° Anvil		8.0	4782.6	0.37
S-10	54	Front lateral right (45°)	45° Anvil	AMB	8.0	4692.5	0.38
		Rear (180°)	45° Anvil		8.0	5013.7	0.46
		Lateral left (270°)	45° Anvil		8.0	5294.7	0.51
S-11	54	Front (0°)	45° Anvil	AMB	8.0	3058.4	0.29
		Rear-lateral right (135°)	45° Anvil		8.0	3794.6	0.32

Information for wears

14.1.	Every protective helmet placed on the market shall bear a clearly visible label with the following inscription in the national language, or at least one of the national languages, of the country of destination:			
	"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"	☒	☐	☐
14.1.	and, if fitted with a non protective lower face cover: "Does not protect chin from impacts" together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin	☐	☐	☒
14.1.	If the helmet is ready for accessories: A clear description on where to install the accessories by using the reference mark or marks of paragraph 6.3. as well as clear indications on how to fit the speakers and/or microphone or any other component if it is the case.	☐	☐	☒
14.1.	A general warning shall be given to the user concerning the danger of making any alterations or additions to the helmet or visor, without the approval of the Type Approval Authority, that may decrease safety for the user.	☒	☐	☐
14.1.	A general warning shall be given to the user concerning the danger of fitting non homologated accessories. Only homologated accessories will maintain the helmet safety.	☒	☐	☐
14.1.	A general warning shall be given to the user stating that no accessory shall be mounted on the helmet if some of the symbols, other than location fitting symbols, marked in the accessory homologation is not marked in the helmet homologation label.	☒	☐	☐
14.1.	For location fitting symbols, "F", "L" and "R", a universal accessory will be able to be fitted if it is supplied with a support or supports marked with helmet available accessories fitting locations. The support used shall match the helmet location used. The supportmarking will add, after the "F" and "R" marking of fitting locations, the symbols "R", if it has to be fitted on the right side of the helmet, or "L" if it has to be fitted on the left side of the helmet.	☐	☐	☒
14.1.	When the accessory has different components to be fitted in different helmet locations, accessory locations marking between brackets and with a "+" symbol in between location markings, the helmet shall bear all the accessory locations marking displayed between brackets.	☐	☐	☒
14.2.	and, if hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions affect the shell material adversely			
	"'Warning' - Do not apply paint, stickers, petrol or other solvents to this helmet"	☒	☐	☐
14.3.	Every protective helmet shall be clearly marked with its size and its maximum weight, to the nearest 50 grammes, as placed on the market. The maximum weight quoted should include all the accessories that are supplied with the helmets, within the packaging, as it is placed on the market, whether or not those accessories have actually been fitted to the helmet.	☒	☐	☐
14.4.	Every protective helmet offered for sale shall bear a label showing the type or types of visor that have been approved at the manufacturer's request.	☒	☐	☐
14.5.	Every visor offered for sale shall bear a label showing the types of protective helmet for which it has been approved	☒	☐	☐

14.6.	Every visor placed on the market with a protective helmet shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain:	☒	☐	☐
14.6.1.	General Instruction for Storage and Care	☒	☐	☐
14.6.2.	Specific instructions for cleaning and their notice of use. These instructions shall include a warning regarding the dangers of using unsuitable agents for cleaning (such as solvents), especially if abrasion resistant coatings are to be preserved.	☒	☐	☐
14.6.3.	Advice as to the suitability of the visor for use in conditions of poor visibility and during the hours of darkness. The following warning shall be included:	☒	☐	☐
14.6.3.1.	Visors with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility.	☒	☐	☐
14.6.4.	If appropriate, the following warning shall also be included	☒	☐	☐
14.6.4.1.	The fastening of this visor is such that it will not be possible to remove it instantly from the line of sight with one hand should an emergency (such as headlamp glare or misting) occur.	☒	☐	☐
14.6.5.	If the visor is MIST RETARDANT approved, it may be indicated	☐	☐	☒
14.6.6.	Instructions regarding the detention of obsolescence	☒	☐	☐
14.7.	Every visor placed on the market as a separate technical unit shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on the protective helmets for which the visor is suitable and information on those aspects specified in paragraphs 14.6.1. to 14.6.6. where such information is different to that which accompanied the visor that was placed on the market with the protective helmets for which the visor is stated to be suitable.	☒	☐	☐
14.8.	Every universal accessory placed on the market shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on how to install it in the suitable helmets and information on those aspects specified in paragraphs 14.6.1. to 14.6.2. The instructions shall refer to the helmet owner manual for the right installation place. A general warning shall be given to the user stating that no accessory shall be mounted on helmets whose symbols, other than location fitting symbols, marked in the helmet homologation label do not include all the symbols marked in the accessory homologation label. A warning shall be given to the user stating that:	☐	☐	☒
	(a) For location fitting symbols, "F", "L" and "R", the accessory will be able to be fitted if it is supplied with a support or supports marked with helmet available accessories fitting locations. The support used shall match the helmet location used. The support marking is adding, after the "F" and "R" marking of fitting locations, the symbols "R", if it has to be fitted on the right side of the helmet, or "L" if it has to be fitted on the left side of the helmet.	☐	☐	☒
	(b) When the accessory has different components to be fitted in different helmet locations, the accessory locations marking are between brackets and with a "+" symbol in between location markings, the helmet shall bear all the accessory locations marking displayed between brackets.	☐	☐	☒
	A warning shall be given to the user both in the packaging and in the owner's manual indicating the left or right mounting position possibilities of the accessory.	☐	☐	☒

14.9.	For universal accessory the following label shall be included in the instructions provided by the accessory manufacturer:	☐	☐	☒

(a) Notice

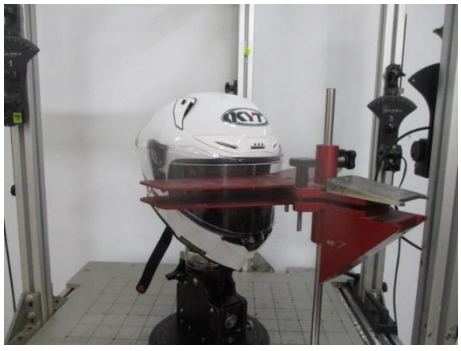
This is a "Universal" accessory. It is approved to UN Regulation No. 22, 06 series of amendments, for general use in helmets ready for "UA" accessories and it will fit most, but not all, helmets.

A correct fit is likely if the helmet manufacturer has declared in the helmet handbook that the helmet is capable of accepting a "Universal" accessory and it is marked as such in the homologation label of the helmet.

If in doubt, consult either the accessory manufacturer, the helmet manufacturer or the retailer.

14.10.	Every specific accessory placed in the market shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain advice on how to install it in the suitable helmets and information on those aspects specified in paragraphs 14.6.1. to 14.6.2. The instructions shall refer to the helmet owner manual for the right installation place. A list of helmets with which the accessory has been tested and approved will be provided together with the approval number given to those helmets.	☐	☐	☒

APENDIX 4 – PHOTOS

	
Front view	Side view
	
Bottom view	Laser table
	
Peripheral vision	Rigidity test

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	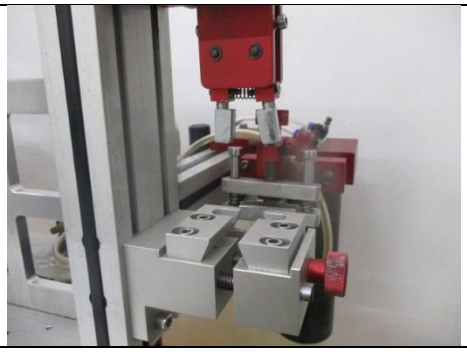
Micro-slip test of the chin strap	Micro-slip test of the chin strap
	
Retention system	Retention system
	
Projection and surface friction test	Impact test

Remarks

None

Note: CETOC TS apply measurement uncertainty to calibrated items but not test results.