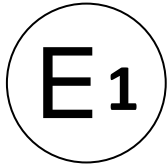




Kraftfahrt-Bundesamt

DE-24932 Flensburg



MITTEILUNG

ausgestellt von:

Kraftfahrt-Bundesamt

über die Erteilung einer Genehmigung für einen Schutzhelmtyp mit einem Visiertyp(en) nach der Regelung Nr. 22 einschließlich Änderung Nr. 06 Ergänzung 00

COMMUNICATION

issued by:

Kraftfahrt-Bundesamt

concerning the granting of an approval of a type of protective helmet with one visor type(s) pursuant to Regulation No. 22 including amendment No. 06 supplement 00

Genehmigungsnummer: **E1*22R06/00*300892*00**

Approval number:

1. Fabrik- oder Handelsmarke:
Trade name or mark:
HJC
2. Typ:
Type:
C10
3. Größen:
Sizes:
**50-51 (XXXS), 52-53 (XXS), 54-55 (XS), 55-56 (S),
57-58 (M), 58-59 (L), 60-61 (XL), 62-63 (XXL)**
4. Name des Herstellers:
Manufacturer's name:
**HJC CORPORATION
KR-17127 Yongin-si, Gyeonggi-do**
5. Anschrift:
Address:
**Siehe Punkt 4.
See item 4.**



Kraftfahrt-Bundesamt

DE-24932 Flensburg

2

Genehmigungsnummer: **E1*22R06/00*300892*00**

Approval Number:

6. Name des Vertreters des Herstellers (gegebenenfalls):
Name of manufacturer's representative (if any):
Entfällt
Not applicable
7. Anschrift:
Address:
Siehe Punkt 6.
See item 6.
8. Kurze Beschreibung des Helms:
Brief description of helmet:
Siehe Anlagen
See enclosures
9. **Helm mit schützender unterer Gesichtabdeckung (P)**
Helmet with protective lower face cover (P)
10. Visiertyp oder Visiertypen:
Type of visor or visors:
HJ-34P
E1 06300893
11. Kurze Beschreibung des Visiers oder der Visiere:
Brief description of visor(s):
Siehe Anlagen
See enclosures
12. Zur Genehmigung vorgelegt am:
Submitted for approval on:
05.04.2022
13. Technischer Dienst, der die Prüfungen für die Genehmigungen durchführt:
Technical service responsible for conducting approval tests:
Technischer Dienst der TÜV Rheinland Kraftfahrt GmbH
DE-51105 Köln
14. Datum des Gutachtens des Technischen Dienstes:
Date of report issued by that service:
09.03.2022
15. Nummer des Gutachtens des Technischen Dienstes:
Number of report issued by that service:
224KP0016-00



Kraftfahrt-Bundesamt


DE-24932 Flensburg

3

Genehmigungsnummer: **E1*22R06/00*300892*00**

Approval Number:

16. Bemerkung(en):
Remark(s):
Entfällt
Not applicable
17. Die Genehmigung wird **erteilt**
Approval is **granted**
18. Ort: **DE-24932 Flensburg**
Place:
19. Datum: **20.04.2022**
Date:
20. Unterschrift: **Im Auftrag**
Signature:


(D. Stieglitz)



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

Anlagen:
Enclosures:
Gemäß Inhaltsverzeichnis
According to index



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: E1*22R06/00*300892*00

To:

Erklärung über die Einhaltung der Anforderungen hinsichtlich der Übereinstimmung der Produktion gemäß dem Übereinkommen von 1958

Statement of compliance with the conformity of the production requirements of the 1958 Agreement

1. Name des Herstellers:
Manufacturer's name:
HJC CORPORATION
KR-17127 Yongin-si, Gyeonggi-do
2. Datum der Anfangsbewertung:
Date of the initial assessment:
12.12.1995
3. Datum aller durchgeführten Überwachungstätigkeiten:
Date of any surveillance activities:

Aktenzeichen Register number	Datum der Begehung Date of inspection	Genehmigungsnummer Approval number
CoP-Q:		
Q-501270	15.06.2017	
Q-502809	15.07.2021	
CoP-P:		
P-432-1-0031-12	01.03.2012	05300329
P-501949	26.04.2019	E1*22R05/02*300646*05



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Zu: **E1*22R06/00*300892*00**

To:

Inhaltsverzeichnis zu den Beschreibungsunterlagen Index to the information package

Ausgabedatum: **20.04.2022** Letztes Änderungsdatum: --
Date of issue: Last date of amendment:

Nebenbestimmungen und Rechtsbehelfsbelehrung
Collateral clauses and instruction on right to appeal

Prüfbericht(e) Nr.: Datum:
Test report(s) No.: Date:
224KP0016-00 **09.03.2022**

Beschreibungsbogen Nr.: Datum:
Information document No.: Date:
C10 **18.02.2022**

Liste der Änderungen: Datum:
List of modifications: Date:
Entfällt **Not applicable**

R22 E1*22R06/00*300892*00



Kraftfahrt-Bundesamt

DE-24932 Flensburg

Nummer der Genehmigung: **E1*22R06/00*300892*00**

- Anlage -

Nebenbestimmungen und Rechtsbehelfsbelehrung

Nebenbestimmungen

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

Die Einzelerzeugnisse der reihenweisen Fertigung müssen mit den Genehmigungsunterlagen genau übereinstimmen. Änderungen an den Einzelerzeugnissen sind nur mit ausdrücklicher Zustimmung des Kraftfahrt-Bundesamtes gestattet.

Änderungen der Firmenbezeichnung, der Anschrift und der Fertigungsstätten sowie eines bei der Erteilung der Genehmigung benannten Zustellungsbevollmächtigten oder bevollmächtigten Vertreters sind dem Kraftfahrt-Bundesamt unverzüglich mitzuteilen.

Verstöße gegen diese Bestimmungen können zum Widerruf der Genehmigung führen und können überdies strafrechtlich verfolgt werden.

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

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

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

Rechtsbehelfsbelehrung

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



Kraftfahrt-Bundesamt

DE-24932 Flensburg

2

Approval No.: **E1*22R06/00*300892*00**

- Attachment -

Collateral clauses and instruction on right to appeal

Collateral clauses

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

The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Kraftfahrt-Bundesamt.

Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorised representative named when the approval was granted is to be immediately disclosed to the Kraftfahrt-Bundesamt.

Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.

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

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

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

Instruction on right to appeal

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

Test Report No. 224KP0016-00

Type : C10

Manufacturer : HJC Corp.

TEST REPORT

according to

UN-R 22

Uniform provisions concerning the approval of protective helmets and their visors for drivers and passengers of motor cycles and mopeds

as last amended by

06 series of amendments**For the Type Approval of:**

- Helmet + Visor
- Helmet
- Visor

Approval Status

UN-approval : E1*22R06/00*300892*00

Structure of the Test Report

Section no.

0. General information

1. Tested vehicle(s)/object(s)

2. Test record

3. Appendices

4. Statement of conformity

The Test Report shall be reproduced and published only in its entirety by the client. It may however be reproduced and published partially, but only with the written permission of the Technical Service.

Type : C10

Manufacturer : HJC Corp.

0. General information

- 0.1. Trade mark : HJC
- 0.2. Type : C10
- 0.3. Helmet Category : see appendix L, item 9
- 0.4. Name and address of the manufacturer : HJC Corp.
23, Seori-ro, Idong-eup, Cheoin-gu, Yongin-si,
Gyeonggi-Do, Korea
- 0.5. Information Document : C10 PRODUCT SPEZIFIKATION
- Date of issue : 2022-02-18
- Date of last change : --

1. Tested vehicle(s) / object(s)

- 1.1. Description
- 1.1.1. Object : see appendix L, item 8
- Trade name : see appendix L, item 1
- Type(s) /variant(s) / version(s) : see appendix L, item 2
- Identification number : without
- 1.1.2. Condition of vehicle(s)/object(s) : new
- 1.2. Worst case configuration : no worst case assessment required (no variants/versions)
- 1.3. Remarks : without

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

2. Test record

2.1. Test and measuring equipment : The test and measurement equipment used were in compliance with the test requirements.

2.1.1. Specifications for the test site : not applicable

2.1.2. Subcontracting : not applicable

2.2. Test results

Test results referring to measurements : passed

Test results of not measurable attributes : not applicable

Alternative test methods : not applicable

Remarks concerning extension : not applicable

2.3. Additional information : The results of the test refer exclusively to the object(s) mentioned under point 1. of this report.

 Test site(s) : TÜV Rheinland Krafftahrt GmbH
 Technology Center Traffic Safety
 Department Motorcycles & Agricultural
 Laboratory for Head Protection
 Am Grauen Stein
 51105 Cologne / Germany

Test date : 2022-03-09

2.4. Remarks : without

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

3. Appendices

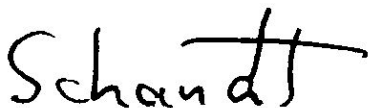
Appendix 0	: List of modifications
Appendix L	: Communication
Appendix 1	: Test minutes
Information document	: 24 sheet

4. Statement of conformity

The Information Document listed in section 0.5., and the type described therein, comply with the requirements stated on page 1. The test results in this report refer to the vehicle(s)/object(s) described under section 1.1. With regards to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2).

The tests were carried out in accordance with the relevant requirements of EN ISO/IEC 17025:2017

Cologne, 2022-03-09

Peter Schaudt
Technical Expert Technical Service

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Appendix 0

List of modifications

Correction of : --

Modification of : --

Addition of : --

Deletion of : --

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Communication

Appendix L

1	Trade mark	:	HJC
2	Type	:	C10
3	Sizes	:	50-51 (XXXS), 52-53 (XXS), 54-55 (XS), 55-56 (S), 57-58 (M), 58-59 (L), 60-61 (XL), 62-63 (XXL)
4	Manufacturer's name	:	HJC Corp.
5	Address	:	23, Seori-ro, Idong-eup, Cheoin-gu, Yongin-si, Gyeonggi-Do, Korea
6	If applicable, name of manufacturer's representative	:	see following item 7
7	Address	:	not applicable
8	Brief description of helmet	:	Protective helmet with fixed chin guard (lower face cover). Shell made of Polycarbonate (PC) and Acrylnitril-Butadien-Styrol (ABS) alloy. Protective padding made of expanded polystyrene in several parts. The adaption to the different head sizes is done by different shells, protective padding and different thickness of the comfort padding. The helmet is fitted with a visor (see below).
9	Helmet category	:	with protective lower face cover (P)
10	Type of visor	:	HJ-34P (E1 06300893)
11	Brief description of the visor	:	clear visor, three dimensional injected
12	Submitted for approval on	:	2022-03-09

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Test minutes

Appendix 1

General Requirements for Helmets

- | | | | |
|-----|--|---|--|
| 1 | Basic construction
(6.1) | : | The helmet consists of a shell, protective padding, comfort padding and a retention system. |
| 2 | Additional construction
(6.2/ 6.2.1) | : | refer Appendix L, item 8 |
| 3 | Lower Face cover
(6.2.2.) | : | refer Appendix L, item 9 |
| 4 | Protection areas
(6.4) | : | The shell and padding of the helmets of each size cover the required areas. |
| 5 | Hearing ability and Temperature
(6.5) | : | The wearer's ability to hear is not dangerously affected by the helmet.

The helmet has ventilation holes in the shell to prevent overheating. |
| 6 | Outer Projections
(6.6 / 6.7) | : | All external projections are rounded and smooth.
All external projections ≤ 2 mm have a radius ≥ 1 mm

There are projections of the outer shell, greater than 2mm.
All external projections > 2 mm have a radius ≥ 2 mm. The shear assessment was successful. |
| 7 | Inner Projections
(6.8) | : | No inward facing sharp edges. All internal parts are covered with padding. |
| 8 | Helmet components
(6.9) | : | The components of the helmet are assembled in a way that they do not become easily detached as a result of impact. |
| 9 | Retention system | | |
| 9.1 | Abrasion protection
(6.10) | : | The wearer is protected from abrasion by the retention system. |

Type : C10

Manufacturer : HJC Corp.

- 9.2 General (6.11) : The retention system fully complies with the requirements of the regulation:
- Retention System is permanently attached
 - Chin strap is adjustable and maintains tension
 - Strap has a width of minimum 20 mm
 - No chin-cup
 - No rigid parts 130 mm below head form reference plane
 - Total opening of retention system only with voluntary action
 - Detailed instructions for use of the buckle
 - If sliding bar or double D ring: red pulling flap with minimum dimensions of 10x20 mm is provided
 - Buckle cannot be left in partially closed position
- 9.3 Chin strap (6.11.1 / 7.12.1.1) : Under a load of 150 N the width of the chin strap is > 20 mm.
The chin strap is covered with an additional comfort padding.
It is not possible to open the quick-release mechanism with a ball of diameter 100 mm.
- 10 Detachable/movable Face cover (6.12) : Not applicable
- 11 Materials (6.13) : The materials used for the helmet comply with the regulation.
- 12 Breakage and Deformation (6.14) : The helmet does not show breakage or deformation dangerous to the wearer after testing.
- 13 Peripheral Vision (6.15) : Complies with the requirements of the regulation, refer test results.
- 14 Sun Shield : Not applicable
- 15 Conspicuity marking (6.18) : The helmet is not equipped with retroreflective parts.
- 16 Information (14) : Manufacturer-information about size and weight are located on the outer shell by adhesive label(s).
Additional consumer information in accordance with the ECE-R 22 is given by the owner's manual. It has to always be enclosed to the offered helmet.

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

6.15. Peripheral vision

Helmet Size	Testhead	horizontal angle min. 210°	upwards angle min. 7°	downwards angle min. 45°
60-61 (XL)	605	Pass	Pass	Pass
57-58 (M)	575	Pass	Pass	Pass
54-55 (XS)	535	Pass	Pass	Pass
50-51 (XXXS)	495	Pass	Pass	Pass

7.3. Impact-absorption-tests

All values are within the limits of the regulation, 275 g respectively 2400 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	+50°C	Kerb	B	62-63 (XXL)	163	1045	7,62
625	+50°C	Kerb	X right	62-63 (XXL)	236	1408	7,59
625	+50°C	Kerb	P	62-63 (XXL)	221	1350	7,65
625	+50°C	Kerb	R	62-63 (XXL)	126	955	7,59
625	AMB	Kerb	B	62-63 (XXL)	140	967	7,62
625	AMB	Kerb	X right	62-63 (XXL)	192	1198	7,62
625	AMB	Kerb	P	62-63 (XXL)	206	1338	7,62
625	AMB	Kerb	R	62-63 (XXL)	133	963	7,59
625	-10°C	Flat	B	62-63 (XXL)	156	1193	7,62
625	-10°C	Flat	X right	62-63 (XXL)	215	1774	7,62
625	-10°C	Flat	P	62-63 (XXL)	192	1958	7,62
625	-10°C	Flat	R	62-63 (XXL)	174	1555	7,62
625	-10°C	Flat	S	62-63 (XXL)	189	671	6,10
625	MOIST.	Flat	B	62-63 (XXL)	152	1209	7,62
625	MOIST.	Flat	X right	62-63 (XXL)	208	1734	7,62
625	MOIST.	Flat	P	62-63 (XXL)	191	1978	7,62
625	MOIST.	Flat	R	62-63 (XXL)	178	1559	7,62
625	AMB	Flat	B	62-63 (XXL)	169	1384	7,59
625	AMB	Flat	X right	62-63 (XXL)	205	1659	7,59
625	AMB	Flat	P	62-63 (XXL)	200	2055	7,65
625	AMB	Flat	R	62-63 (XXL)	179	1554	7,62
605	+50°C	Kerb	B	60-61 (XL)	134	975	7,65
605	+50°C	Kerb	X right	60-61 (XL)	206	1297	7,62
605	+50°C	Kerb	P	60-61 (XL)	142	1220	7,62
605	+50°C	Kerb	R	60-61 (XL)	124	950	7,62

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
605	-10°C	Flat	B	60-61 (XL)	173	1285	7,62
605	-10°C	Flat	X right	60-61 (XL)	217	1797	7,59
605	-10°C	Flat	P	60-61 (XL)	178	1904	7,62
605	-10°C	Flat	R	60-61 (XL)	172	1638	7,62
605	-10°C	Flat	S	60-61 (XL)	164	611	6,14
575	+50°C	Kerb	B	58-59 (L)	144	1077	7,62
575	+50°C	Kerb	X right	58-59 (L)	262	1641	7,62
575	+50°C	Kerb	P	58-59 (L)	174	1457	7,62
575	+50°C	Kerb	R	58-59 (L)	145	1150	7,59
575	AMB	Kerb	B	58-59 (L)	135	1076	7,62
575	AMB	Kerb	X right	58-59 (L)	224	1446	7,62
575	AMB	Kerb	P	58-59 (L)	175	1491	7,59
575	AMB	Kerb	R	58-59 (L)	153	1224	7,62
575	-10°C	Flat	B	58-59 (L)	174	1194	7,62
575	-10°C	Flat	X right	58-59 (L)	200	1645	7,62
575	-10°C	Flat	P	58-59 (L)	193	2105	7,62
575	-10°C	Flat	R	58-59 (L)	186	1735	7,59
575	-10°C	Flat	S	58-59 (L)	176	640	6,12
575	MOIST.	Flat	B	58-59 (L)	176	1440	7,62
575	MOIST.	Flat	X right	58-59 (L)	201	1689	7,59
575	MOIST.	Flat	P	58-59 (L)	195	2009	7,62
575	MOIST.	Flat	R	58-59 (L)	181	1613	7,59
575	AMB	Flat	B	58-59 (L)	175	1481	7,62
575	AMB	Flat	X right	58-59 (L)	199	1644	7,62
575	AMB	Flat	P	58-59 (L)	193	2034	7,62
575	AMB	Flat	R	58-59 (L)	185	1702	7,62
535	+50°C	Kerb	B	55-56 (S)	136	1009	7,62
535	+50°C	Kerb	X right	55-56 (S)	190	1307	7,62
535	+50°C	Kerb	P	55-56 (S)	168	1448	7,62
535	+50°C	Kerb	R	55-56 (S)	142	1109	7,55
535	AMB	Kerb	B	55-56 (S)	146	1109	7,62
535	AMB	Kerb	X right	55-56 (S)	172	1234	7,62
535	AMB	Kerb	P	55-56 (S)	185	1631	7,62
535	AMB	Kerb	R	55-56 (S)	146	1111	7,55
535	-10°C	Flat	B	55-56 (S)	162	1349	7,62
535	-10°C	Flat	X right	55-56 (S)	205	1708	7,62
535	-10°C	Flat	P	55-56 (S)	189	2172	7,62
535	-10°C	Flat	R	55-56 (S)	165	1540	7,55
535	-10°C	Flat	S	55-56 (S)	118	535	6,12
535	MOIST.	Flat	B	55-56 (S)	165	1309	7,62
535	MOIST.	Flat	X right	55-56 (S)	202	1631	7,62
535	MOIST.	Flat	P	55-56 (S)	188	2087	7,62
535	MOIST.	Flat	R	55-56 (S)	162	1460	7,55
535	AMB	Flat	B	55-56 (S)	161	1354	7,62
535	AMB	Flat	X right	55-56 (S)	200	1601	7,62
535	AMB	Flat	P	55-56 (S)	183	2088	7,62
535	AMB	Flat	R	55-56 (S)	160	1457	7,55

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
515	+50°C	Kerb	B	52-53 (XXS)	149	1159	7,59
515	+50°C	Kerb	X right	52-53 (XXS)	215	1478	7,62
515	+50°C	Kerb	P	52-53 (XXS)	166	1465	7,62
515	+50°C	Kerb	R	52-53 (XXS)	146	1100	7,59
515	AMB	Kerb	B	52-53 (XXS)	149	1269	7,62
515	AMB	Kerb	X right	52-53 (XXS)	190	1389	7,62
515	AMB	Kerb	P	52-53 (XXS)	165	1517	7,62
515	AMB	Kerb	R	52-53 (XXS)	154	1227	7,59
515	-10°C	Flat	B	52-53 (XXS)	167	1175	7,62
515	-10°C	Flat	X right	52-53 (XXS)	203	1623	7,59
515	-10°C	Flat	P	52-53 (XXS)	180	2071	7,62
515	-10°C	Flat	R	52-53 (XXS)	168	1596	7,59
515	-10°C	Flat	S	52-53 (XXS)	99	394	6,12
515	MOIST.	Flat	B	52-53 (XXS)	168	1310	7,62
515	MOIST.	Flat	X right	52-53 (XXS)	211	1673	7,59
515	MOIST.	Flat	P	52-53 (XXS)	184	2029	7,62
515	MOIST.	Flat	R	52-53 (XXS)	164	1507	7,59
515	AMB	Flat	B	52-53 (XXS)	165	1330	7,62
515	AMB	Flat	X right	52-53 (XXS)	210	1671	7,59
515	AMB	Flat	P	52-53 (XXS)	176	1948	7,59
515	AMB	Flat	R	52-53 (XXS)	159	1458	7,65
495	+50°C	Kerb	B	50-51 (XXXS)	144	1166	7,55
495	+50°C	Kerb	X right	50-51 (XXXS)	176	1281	7,59
495	+50°C	Kerb	P	50-51 (XXXS)	177	1570	7,62
495	+50°C	Kerb	R	50-51 (XXXS)	161	1250	7,55
495	-10°C	Flat	B	50-51 (XXXS)	170	1363	7,59
495	-10°C	Flat	X right	50-51 (XXXS)	213	1746	7,62
495	-10°C	Flat	P	50-51 (XXXS)	184	2199	7,62
495	-10°C	Flat	R	50-51 (XXXS)	178	1732	7,59
495	-10°C	Flat	S	50-51 (XXXS)	102	380	6,12

Low energy impact

All values are within the limits of the regulation, 180 g respectively 1300 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	B	62-63 (XXL)	135	818	6,08
625	AMB	Flat	X right	62-63 (XXL)	158	952	6,12
625	AMB	Flat	P	62-63 (XXL)	138	1005	6,10
625	AMB	Flat	R	62-63 (XXL)	136	900	6,08
575	AMB	Flat	B	58-59 (L)	144	925	6,10
575	AMB	Flat	X right	58-59 (L)	159	963	6,12
575	AMB	Flat	P	58-59 (L)	151	1127	6,10
575	AMB	Flat	R	58-59 (L)	142	928	6,10

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
535	AMB	Kerb	B	55-56 (S)	107	619	6,10
535	AMB	Kerb	X right	55-56 (S)	123	645	6,12
535	AMB	Kerb	P	55-56 (S)	136	799	6,08
535	AMB	Kerb	R	55-56 (S)	117	669	6,08
515	AMB	Kerb	B	52-53 (XXS)	114	684	6,10
515	AMB	Kerb	X right	52-53 (XXS)	130	668	6,10
515	AMB	Kerb	P	52-53 (XXS)	135	857	6,10
515	AMB	Kerb	R	52-53 (XXS)	122	729	6,08

High energy impact

All values are within the limits of the regulation, 275 g respectively 2880 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	B	62-63 (XXL)	182	1576	8,29
625	AMB	Flat	X right	62-63 (XXL)	245	2230	8,29
625	AMB	Flat	P	62-63 (XXL)	233	2641	8,29
625	AMB	Flat	R	62-63 (XXL)	192	1872	8,26
575	AMB	Flat	B	58-59 (L)	196	1884	8,29
575	AMB	Flat	X right	58-59 (L)	235	2130	8,26
575	AMB	Flat	P	58-59 (L)	224	2727	8,29
575	AMB	Flat	R	58-59 (L)	201	2083	8,29
535	AMB	Flat	B	55-56 (S)	180	1710	8,29
535	AMB	Flat	X right	55-56 (S)	226	2070	8,26
535	AMB	Flat	P	55-56 (S)	222	2783	8,29
535	AMB	Flat	R	55-56 (S)	182	1886	8,26
515	AMB	Flat	B	52-53 (XXS)	189	1691	8,29
515	AMB	Flat	X right	52-53 (XXS)	243	2131	8,26
515	AMB	Flat	P	52-53 (XXS)	207	2573	8,29
515	AMB	Flat	R	52-53 (XXS)	179	1850	8,26

Extra point

All values are within the limits of the regulation, 275 g respectively 2400 HIC.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	Flat	BXL	62-63 (XXL)	170	1353	7,59
625	AMB	Flat	BXPR	62-63 (XXL)	178	1673	7,59
625	AMB	Flat	RXPR	62-63 (XXL)	173	1666	7,55
625	AMB	Flat	RXL	62-63 (XXL)	183	1612	7,62

Type : C10

Manufacturer : HJC Corp.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Max Peak [g]	HIC	Speed [m/s]
625	AMB	45°L	BXR	62-63 (XXL)	146	1056	7,59
625	AMB	45°R	BXPL	62-63 (XXL)	129	1033	7,62
625	AMB	45°R	RXPL	62-63 (XXL)	148	1133	7,62
625	AMB	45°R	RXR	62-63 (XXL)	140	1026	7,62
575	AMB	Flat	BXL	58-59 (L)	173	1364	7,59
575	AMB	Flat	BXPR	58-59 (L)	182	1756	7,55
575	AMB	Flat	RXPR	58-59 (L)	183	1835	7,65
575	AMB	Flat	RXL	58-59 (L)	180	1606	7,62
575	AMB	45°L	BXR	58-59 (L)	145	1079	7,62
575	AMB	45°L	BXPL	58-59 (L)	141	1218	7,59
575	AMB	45°L	RXPL	58-59 (L)	148	1129	7,62
575	AMB	45°L	RXR	58-59 (L)	148	1058	7,62
535	AMB	Flat	BXL	55-56 (S)	167	1368	7,59
535	AMB	Flat	BXPR	55-56 (S)	171	1625	7,62
535	AMB	Flat	RXPR	55-56 (S)	174	1697	7,59
535	AMB	Flat	RXL	55-56 (S)	168	1515	7,59
535	AMB	45°L	BXR	55-56 (S)	141	1027	7,55
535	AMB	45°R	BXPL	55-56 (S)	143	1229	7,62
535	AMB	45°R	RXPL	55-56 (S)	149	1195	7,59
535	AMB	45°R	RXR	55-56 (S)	158	1147	7,59
515	AMB	Flat	BXL	52-53 (XXS)	162	1292	7,62
515	AMB	Flat	BXPR	52-53 (XXS)	167	1616	7,62
515	AMB	Flat	RXPR	52-53 (XXS)	166	1550	7,59
515	AMB	Flat	RXL	52-53 (XXS)	162	1552	7,59
515	AMB	45°L	BXR	52-53 (XXS)	134	1088	7,62
515	AMB	45°L	BXPL	52-53 (XXS)	137	1231	7,59
515	AMB	45°L	RXPL	52-53 (XXS)	141	1201	7,62
515	AMB	45°L	RXR	52-53 (XXS)	158	1253	7,62

7.4.2 Test for projections and surface friction (method B).

All values are within the limits of the regulation.

Test of outer surface friction at point P of the outer shell.

Test at the following points of the outer shell:

Helmet size	Test head	Place of test	Result
57-58 (M)	575	rear wind tearing edge	slipped off
57-58 (M)	575	front air vent cover	sheared off

R22 E1*22R06/00*300892*00

Type : C10

Manufacturer : HJC Corp.

7.5 Rigidity test

All values are within the limits of the regulation.

Helmet Size	Direction	Deformation (max. 40 mm)	Permanent deformation (max. 15 mm)
62-63 (XXL)	longitudinal	16,0	4,0
	transversal	12,0	2,0
58-59 (L)	longitudinal	18,0	4,0
	transversal	11,0	3,0
55-56 (S)	longitudinal	20,0	4,0
	transversal	11,0	3,0
52-53 (XXS)	longitudinal	20,0	5,0
	transversal	12,0	3,0

7.6. Dynamic test of the retention system

All values are within the limits of the regulation.

Helmet Size	Headsizes	dyn.movement (max. 35 mm)	stat.movement (max.25 mm)	Remarks
62-63 (XXL)	605	28,0	8,0	--
58-59 (L)	575	27,8	5,8	--
55-56 (S)	535	27,5	5,0	--
52-53 (XXS)	495	26,9	4,2	--

7.7.2. Retention (detaching) test - [Weight hooked to the front border]

All values are within the limits of the regulation.

Helmet Size	Headsizes	angle of movement (max. 30°)	Remarks
62-63 (XXL)	605	19	--
58-59 (L)	575	20	--
55-56 (S)	535	21	--
52-53 (XXS)	495	24	--

Type : C10

Manufacturer : HJC Corp.

7.7.3./4. Retention (detaching) test - [Falling mass]

All values are within the limits of the regulation.

Helmet Size	Headsizes	angle of movement (max. 30°)	Remarks
62-63 (XXL)	605	21	--
58-59 (L)	575	21	--
55-56 (S)	535	24	--
52-53 (XXS)	495	20	--

7.10 Microslip-test of the chin strap

All values are within the limits of the regulation.

Movement:	4 mm	Limit: ≤ 10 mm
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7.11 Test for resistance to abrasion of the chin strap

Not necessary, because the movement of the chin strap after 500 cycles was less than 5 mm.

7.12 Tests for retention systems relying on quick-release mechanisms

All values are within the limits of the regulation.

Operation force of the automatic buckle ≤ 30 N (Measured at static load of 150 N)

Resistance of the automatic buckle
The load of 2000 N at the automatic buckle made no fracture or disengage. After the test the automatic buckle was still be capable of operation.

Type : C10

Manufacturer : HJC Corp.

7.13. Oblique impact test method of measuring rotational acceleration

All values are within the limits of the regulation, 10400 rad/s² respectively BrIC 0,78.

Headsize	Cond.	Anvil Shape	Point	Helmet Size	Rotation [rad/s ²]	BrIC	Speed [m/s]
625	AMB	45°	FLR	62-63 (XXL)	1243	0,19	8,11
625	AMB	45°	Rear	62-63 (XXL)	2268	0,28	8,11
625	AMB	45°	LL	62-63 (XXL)	1979	0,21	8,11
625	AMB	45°	Front	62-63 (XXL)	1961	0,19	8,11
625	AMB	45°	RLR	62-63 (XXL)	2149	0,33	8,11
575	AMB	45°	FLR	58-59 (L)	2119	0,31	8,11
575	AMB	45°	Rear	58-59 (L)	2664	0,30	8,11
575	AMB	45°	LL	58-59 (L)	2366	0,22	8,07
575	AMB	45°	Front	58-59 (L)	2741	0,29	8,07
575	AMB	45°	RLR	58-59 (L)	3672	0,47	8,14
535	AMB	45°	FLR	55-56 (S)	2617	0,44	8,11
535	AMB	45°	Rear	55-56 (S)	3428	0,35	8,07
535	AMB	45°	LL	55-56 (S)	3529	0,36	8,11
535	AMB	45°	Front	55-56 (S)	2619	0,41	8,07
535	AMB	45°	RLR	55-56 (S)	3523	0,50	8,11
515	AMB	45°	FLR	52-53 (XXS)	2361	0,42	8,03
515	AMB	45°	Rear	52-53 (XXS)	3401	0,48	8,07
515	AMB	45°	LL	52-53 (XXS)	3497	0,36	8,07
515	AMB	45°	Front	52-53 (XXS)	3344	0,47	8,07
515	AMB	45°	RLR	52-53 (XXS)	4019	0,55	8,03

R22 E1*22R06/00*300892*00