

C E R T I F I C A T E
EC Type-Examination Certificate
EEC Directive 89/686/EEC Article 10
as last amended by EEC Directive 96/58/EEC
Personal Protective Equipment



Registration No.: BP 50347816 0001

Report No.: 16076909 001

Holder: Zhao Qing Bo Han Sports Company
Ltd.
No. 2-1, Kang Tai Street
High-tech Zone
Zhaoqing City, Guangdong Province
P.R. China

Product: Bicycle Helmet

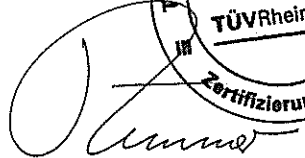
Identification:	Type	Size (cm)
	HB-8	48-52 52-56

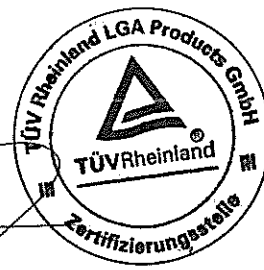
The EC type-examination certificate refers to the above mentioned product. This is to certify that the product complies with the essential requirements of Annex II of the directive 89/686/EEC. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder is entitled to use this certificate in connection with the declaration of conformity in accordance with Annex VI.

Valid till: 12.06.2021

Notified Body

Date 13.06.2016


Dipl.-Ing. (FH) T. Zimmer



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Accredited by Zentralstelle der Länder für Sicherheitstechnik (ZLS).
Notified under No. **0197** to the EC Commission.

Ⓒ The CE marking may be used if all relevant and effective EC Directives are complied with. Ⓒ

Produkte <i>Products</i>	Constructional Data Form	 TÜVRheinland®			
Report No.	16076909 001	License No.	BP 50347816 0001	Appendix No.	1
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- 1.1 License holder** Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone, Zhaoqing City, Guangdong Province, P.R. China
- 1.2 Manufacturer plant** Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone, Zhaoqing City, Guangdong Province, P.R. China
- 1.3 Product Identification** Bicycle helmet
- 1.4 Type Designation** HB-8

Refer to the information folder No. BO HAN-HB-8-00

TÜV Rheinland Group

2016-06-13

Date Name

Signature

(Place)

(Date)

(Stamp and signature of license holder)

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Auftraggeber: Zhao Qing Bo Han Sports Company Ltd.
Client: No. 2-1, Kang Tai Street, High-tech Zone, Zhaoqing City, Guangdong Province, P.R. China

Gegenstand der Prüfung: Helme für Radfahrer und für Benutzer von Skateboards und Rollschuhen
Test item: Helmets for pedal cyclists and for users of skateboards and roller skates

Bezeichnung: siehe unter „Sonstiges“
Identification: Pls. see under "Other aspects" **Serien Nr.:** Engineering sample
Serial No.:

Wareneingangs - Nr.: 174049939 **Eingangsdatum:** N/A
Receipt No.: *Date of receipt:*

Zustand des Prüfgegenstandes bei Anlieferung: the sample is ok for testing and not damaged
Condition of the test item at delivery:

Prüfört: TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Laboratory
Testing location: Room 103, Building A, No. 11 Jingye 3rd Street, Yushu Industrial Park, Guangzhou Science City, Guangzhou 510663, P.R. China

Prüfgrundlage: EN 1078 : 2012 + A1 : 2012
Test specification:

Prüfergebnis: Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).
Test Result: The test item passed the a.m. test specification(s).

Prüflaboratorium: TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Laboratory
Testing Laboratory:

geprüft/ tested by:

kontrolliert/ reviewed by:

2016-06-13 Jason Pang/PE

2016-06-13 Tony Yan/TC

Datum
Date

Name/Stellung
Name/Position

Unterschrift
Signature

Datum
Date

Name/Stellung
Name/Position

Unterschrift
Signature

Sonstiges/Other Aspects:

HB-8 sizes (cm): 48-52 CM, 52-56 CM

EPS: black

1. Product is tested according to European harmonized standards.

Attachment 1: Equipment list of TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Lab.

Abkürzungen: P(ass) = entspricht Prüfgrundlage
F(ail) = entspricht nicht Prüfgrundlage
N/A = nicht anwendbar
N/T = nicht getestet

Abbreviations: P(ass) = passed
F(ail) = failed
N/A = not applicable
N/T = not tested

Dieser Prüfbericht bezieht sich nur auf den o.g. Prüfgegenstand und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.
This test report relates to the a. m. test item. Without permission of the test centre this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.



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1. Anwendungsbereich Scope

Diese Europäische Norm legt Anforderungen und Prüfverfahren für Helme fest, die durch Benutzer von Fahrrädern, Skateboards und Rollschuhen getragen werden.

Die Anforderungen und die entsprechenden Prüfverfahren beziehen sich auf folgende Punkte:

- Konstruktion, einschließlich Sichtfeld;
- stoßdämpfende Eigenschaften;
- Eigenschaften der Trageeinrichtung, einschließlich Kinnriemen, und Befestigungsvorrichtungen;
- Kennzeichnung und Information.

This European Standard specifies requirements and test methods for helmets worn by users of pedal cycles, skateboards and roller skates.

Requirements and the corresponding methods of test are given for the following:

- construction including field of vision;
- shock absorbing properties;
- retention system properties, including chin strap and fastening devices;
- marking and information.

2. Normative Verweisungen Normative references

- siehe EN 1078 : 2012 + A1 : 2012
- see EN 1078 : 2012 + A1 : 2012

3. Definitionen Definitions

- siehe EN 1078 : 2012 + A1 : 2012
- see EN 1078 : 2012 + A1 : 2012

4. Anforderungen Requirements

4.1 Werkstoffe Materials

Für alle Teile des Helmes, die mit der Haut in Berührung kommen, sind Werkstoffe zu verwenden, die sich durch Kontakt mit Schweiß oder kosmetischen Produkten nicht merklich verändern. Ferner dürfen keine Werkstoffe verwendet werden, von denen bekannt ist, dass sie Hautreizungen verursachen.

For those parts of the helmet coming into contact with the skin, the material used should be known not to undergo appreciable alteration from contact with sweat or with substances likely to be found in toiletries. Materials shall not be used which are known to cause skin disorders.

Bemerkungen / Remarks:

Der Helm ist aus herkömmlichen Materialien gefertigt worden, von denen nicht bekannt ist, dass sie zu Hautirritationen führen oder gesundheitsschädlich sind (siehe Herstellererklärung).

The helmet is manufactured from traditional materials which are not known to cause skin disorders or which are unhealthy (pls. see declaration of the manufacturer).

Ergebnis / Result:

- ☐ Pass
- ☐ Fail
- ☐ N/A
- ☒ N/T



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4.2 Konstruktion Construction

Der Helm besteht in der Regel aus einer Vorrichtung, die die Mittel zur Dämpfung der Aufprallenergie enthält, und aus Vorrichtungen, die den Helm bei einem Unfall auf dem Kopf des Trägers festhalten. Der Helm sollte ausreichend fest sein und dem Gebrauch standhalten. Der Helm muß so ausgeführt und geformt sein, daß kein Teil davon (Visier, Nieten, Belüftungen, Kanten, Befestigungsvorrichtungen und dergleichen) den Benutzer bei üblichem Gebrauch verletzt. ANMERKUNG: Helme sollten

- wenig Gewicht haben;
- belüftet sein;
- leicht aufzusetzen und abzunehmen sein;
- zusammen mit Brillen getragen werden können;
- das Hörvermögen des Benutzers hinsichtlich Verkehrsgeräuschen nicht wesentlich beeinträchtigen.

The helmet normally consists of a means of absorbing impact energy and means of retaining the helmet on the head in an accident. The helmet should be durable and withstand handling.

The helmet shall be so designed and shaped that parts of it (visor, rivets, ventilators, edges, fastening device and the like) are not likely to injure the user in normal use. NOTE: Helmets should

- have low weight;
- be ventilating;
- be easy to put on and take off;
- be usable with spectacles;
- not significantly interfere with the ability of the user to hear traffic noise.

Bemerkungen / Remarks:

Der Helm ist so ausgeführt und geformt, dass kein Teil davon den Benutzer bei üblichem Gebrauch verletzt und die o.g. Anforderungen erfüllt.

The helmet is so designed and shaped that parts of it are not likely to injure the user in normal use and fulfils the a.m. requirements.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

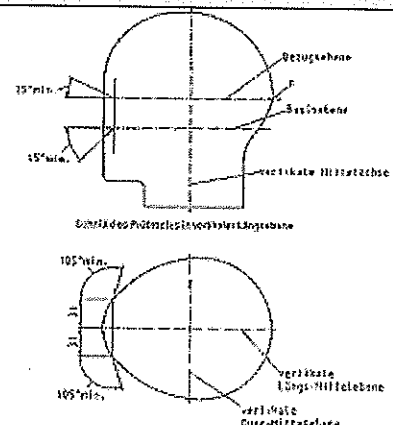
4.3 Sichtfeld Field of vision

Bei der Prüfung (siehe EN 1078, 5.7) darf keine Sichtbehinderung in dem Sichtfeld auftreten, das mit folgenden Winkeln begrenzt ist:

- in der Horizontalen: min. 105° von der vertikalen Längs-Mittelebene nach links und rechts
- nach oben: min. 25° von der Bezugsebene
- nach unten: min. 45° von der Basisebene

When tested in accordance with EN 1078, 5.7 there shall be no occultation in the field of vision bounded by angles as follows:

- horizontally: min. 105° from the longitudinal vertical median plane to the left and right hand sides
- upwards: min. 25° from the reference plane
- downwards: min. 45° from the reference plane

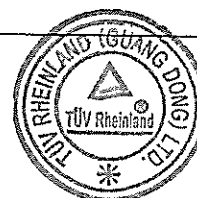


Bemerkungen / Remarks:

Das Sichtfeld wird nicht eingeschränkt (Prüfprotokolle als Anlagen zum Bericht).
There is no occultation in the field of vision (test records as annexes to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T



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4.4 Stoßdämpfungsvermögen Shock absorbing capacity

Der Helm muß die Stirn, den Hinterkopf, die Seiten, die Schläfen und den Oberkopf des Benutzers schützen.

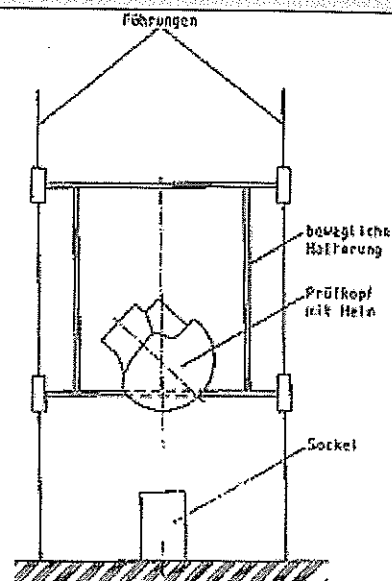
Bei der Prüfung (siehe EN 1078, 5.3 und 5.4) darf die Maximalbeschleunigung bei jedem Aufprall höchstens 250 g mit einer Geschwindigkeit von $(5,42^{+0,1}_0)$ m/s auf einen flachen Sockel und $(4,57^{+0,1}_0)$ m/s auf einen Bordstein betragen.

ANMERKUNG: Dies entspricht theoretisch einer Fallhöhe von 1497 mm beziehungsweise 1064 mm.

The helmet shall give protection to the forehead, rear, sides, temples and crown of the head.

When tested in accordance with EN 1078, 5.3 and 5.4 the peak acceleration shall not, for each impact, exceed 250 g for the velocity of $(5,42^{+0,1}_0)$ m/s on the flat anvil, and $(4,5^{+0,1}_0)$ m/s on the kerbstone anvil.

NOTE: These are theoretically equivalent to 1497 mm and 1064 mm drop heights respectively.



Bemerkungen / Remarks:

Kein Messwert übersteigt den Grenzwert von 250 g (Prüfprotokolle als Anlage zum Bericht).

No single value exceeds the limit of 250 g (test records as annex to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

4.5 Haltbarkeit Durability

Nach der Prüfung darf der Helm keine Beschädigung aufweisen, die eine bedeutsame Verletzung des Trägers verursachen könnte (scharfe Kanten, Stellen usw.)

After being tested the helmet shall not exhibit damage that could cause significant injury to the wearer (sharp edges, points).

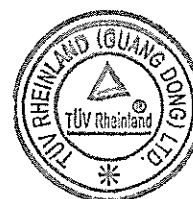
Bemerkungen / Remarks:

Nach den Prüfungen waren keine Beschädigungen feststellbar, die zu bedeutsamen Verletzungen des Benutzers führen könnten.

After the tests no damages could be found which could cause significant injury to the wearer.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T



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4.6 Trageeinrichtung Retention system

4.6.1 Allgemeines General

Es müssen Einrichtungen vorhanden sein, die den Helm auf dem Kopf des Trägers halten. Alle Teile der Trageeinrichtung müssen sicher mit dem Helm verbunden sein.
Means shall be provided for retaining the helmet on the wearer's head. All parts of the retention system shall be securely attached to the helmet.

Bemerkungen / Remarks:

Alle Helme sind mit einer fest installierten Trageeinrichtung und mit einem Öffnungsmechanismus ausgestattet.
All helmets are equipped with a fix installed retention system and with an opening mechanism.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

4.6.2 Kinnriemen Chin strap

Der Kinnriemen darf keine Kinnschale enthalten. Kinnriemen müssen min. 15 mm breit sein. Kinnriemen können mit Vorrichtungen versehen sein, die den Tragekomfort für den Benutzer erhöhen.
The chin strap shall not include a chin cup. Any chin strap shall be not less than 15 mm wide. Chin straps may be fitted with means of enhancing comfort for the wearer.

Bemerkungen / Remarks:

Es ist keine Kinnschale vorhanden. Die Kinnriemenbreite beträgt min. 15 mm (Prüfprotokolle als Anlage zum Bericht).
The chin strap does not include a chin cup. The width of the chin strap is min. 15 mm (test records as annex to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

4.6.3 Befestigungseinrichtungen Fastening device

Trageeinrichtungen müssen mit einer Vorrichtung versehen sein, mit der die Spannung der Trageeinrichtung eingestellt und beibehalten wird. Die Vorrichtung muß verstellbar sein, so daß das Schloß nicht auf dem Unterkieferknochen aufliegt.
Any retention system shall be fitted with a device to adjust and maintain tension in the system. The device shall be capable of adjustment so that the buckle does not sit on the jawbone.

Bemerkungen / Remarks:

Die Trageeinrichtung ist verstellbar, so dass sie sich der Ergonomie des Benutzers anpassen lässt.
The retention system is adjustable so that it can be fitted to the user's ergonomics.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T



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4.6.4 Farbe

Colour

Kein Teil der Trageeinrichtung darf die Farbe grün haben.

ANMERKUNG: Es wird empfohlen, den Öffnungsmechanismus rot oder orange zu kennzeichnen.

No part of the retention system shall be coloured green.

NOTE: It is recommended that the opening mechanism be marked with red or orange colour.

Bemerkungen / Remarks:

Kein Teil der Trageeinrichtung ist grün.

No part of the retention system is green.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

4.6.5 Festigkeit

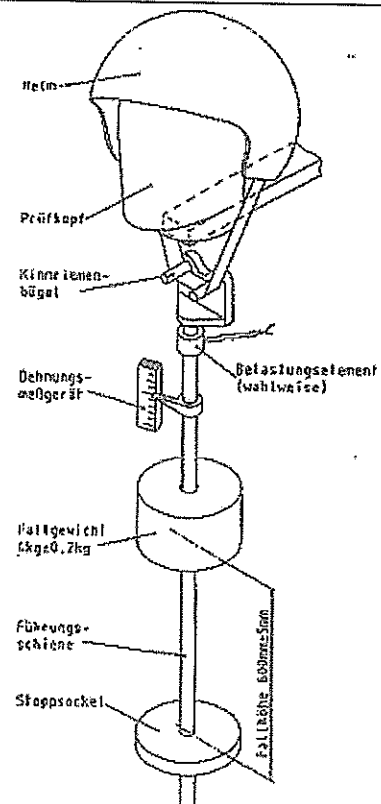
Strength

Bei der Prüfung nach EN 1078, 5.5 darf die dynamische Dehnung der Trageeinrichtung max. 35 mm und die bleibende Dehnung max. 25 mm betragen. Für diesen Fall schließt die Dehnung den Schlupf der Befestigungsvorrichtung mit ein. Beschädigungen der Trageeinrichtung sind zulässig, sofern diese Anforderungen erfüllt sind.

ANMERKUNG: In dieser Prüfeinrichtung kann der Schlupf der Befestigungsvorrichtung unabhängig von anderen Faktoren, die eine Dehnung bewirken, gemessen und aufgezeichnet werden. Diese Angabe dient jedoch nur zur Information und ist nicht Gegenstand einer separaten Anforderung.

When tested in accordance with EN 1078, 5.5, the dynamic extension of the retention system shall not exceed 35 mm and the residual extension shall not exceed 25 mm. For this purpose, extension includes slippage of the fastening device. Damage to the retention system shall be accepted provided that the above requirements are met.

NOTE: In this test slippage of the fastening device can be measured and recorded separately from other contributions to the extension but this is for information only and is not subject to a separate requirement.



Bemerkungen / Remarks:

Die ermittelten Messwerte erfüllen die Anforderungen (Prüfprotokolle als Anlage zum Bericht).

The measured values fulfil the requirements (test records as annex to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

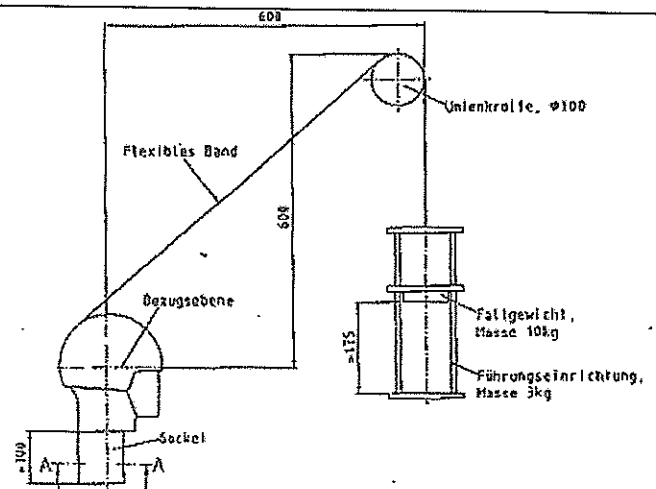


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4.6.6 Wirksamkeit Effectiveness

Bei der Prüfung nach EN 1078, 5.6 darf der Helm nicht vom Prüfkopf abgleiten.
When tested in accordance with EN 1078, 5.6 the helmet shall not come off the headform.



Bemerkungen / Remarks:

Die Helme verbleiben auf dem Prüfkopf (Prüfprotokolle als Anlage zum Bericht).
The helmets do not come off the test headform (test records as annex to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

4.6.7 Leichtigkeit des Öffnens Ease of release

Bei der Prüfung der Festigkeit (siehe EN 1078, Punkt 5.5) muß es bei der Beanspruchung möglich sein, das Öffnungssystem mit einer Hand zu öffnen.
Following the strength test (see EN 1078, under 5.5) and with the load still applied, it shall be possible to open the release system with one hand.

Bemerkungen / Remarks:

Der Öffnungsmechanismus lässt sich unter Beanspruchung mit einer Hand öffnen (Prüfprotokolle als Anlage zum Bericht).
The release system can be opened with one hand with the load still applied (test records as annex to the report).

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T

5. Prüfungen Testing

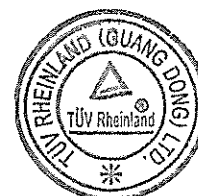
- siehe EN 1078 : 2012 + A1 : 2012
- see EN 1078 : 2012 + A1 : 2012

Bemerkungen / Remarks:

n.a.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T



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6. Kennzeichnung Marking

Jeder Helm muss so gekennzeichnet sein, dass die folgenden Angaben deutlich sichtbar angebracht sind und diese während der Lebensdauer des Helmes auch lesbar bleiben:

- a) Nummer dieser Europäischen Norm;
- b) Name oder Zeichen des Herstellers;
- c) Modellbezeichnung;
- d) Bezeichnung, die aus einer oder mehreren der folgenden bestehen muß: Helm für Radfahrer, Skateboardfahrer und Rollschuhfahrer;
- e) Größe oder Größenbereich des Helmes, angegeben als Umfang (in cm) des Kopfes, für den der Helm passen soll;
- f) Gewicht des Helmes (durchschnittliche Masse der betreffenden Helmgröße in Gramm, ermittelt nach EN 1078, 5.2);
- g) Herstellerjahr und Quartal;
- h) Warnhinweis. Dieser Helm sollte nicht durch Kinder beim Klettern oder anderen Aktivitäten verwendet werden, wenn ein Risiko besteht, sich zu erhängen, falls sich das Kind mit dem Helm verfängt.

Zusätzlich muss der Helm einen entsprechenden Warnhinweis tragen, falls Teile aus einem Werkstoff hergestellt sind, der bekanntermaßen bei Berührung mit Kohlenwasserstoffen, Reinigungsflüssigkeiten, Farben, Abziehbildern oder anderen äußeren Einflußfaktoren nachteilig beeinflusst wird.

Wenn eine Verpackung für den Verkauf an den Verbraucher vorhanden ist, müssen die Informationen nach a), b), d) und h) auf der Verpackung angegeben werden. Der Text muss die Mindestgröße 12 haben.

Each helmet shall be marked in such a way that the following information is easily legible by the user and is likely to remain legible throughout the life of the helmet:

- a) the number of this European standard;*
- b) the name or trademark of the manufacturer;*
- c) the designation of the model;*
- d) the designation, which shall be one or more of the following: -Helmet for pedal cyclists, skateboarders or roller skaters;*
- e) the size or size range of the helmet, quoted as the circumference (in centimetres) of the head which the helmet is intended to fit;*
- f) the weight of the helmet (the average mass in g determined according to EN 1078, 5.2);*
- g) year and quarter of manufacture;*
- h) Warning. This helmet should not be used by children while climbing or doing other activities when there is a risk of hanging if the child gets trapped with the helmet'.*

In addition, if the helmet has components made of material which are known to be adversely affected by contact with hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions, the helmet shall carry an appropriate warning.

If there is a consumer sales packaging, the information a), b), d) and h) shall also be given on that package. The text shall be of minimum font size 12.

Bemerkungen / Remarks:

Die geforderten Angaben werden gegeben.
The required information is given.

Ergebnis / Result:

- ☒ Pass
- ☐ Fail
- ☐ N/A
- ☐ N/T



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7. Informationsbroschüre des Herstellers

Information supplied by the manufacturer

Mit jedem Helm muß in der Sprache des Landes, in dem er verkauft wird, eine Information geliefert werden, die klare Angaben darüber enthält:

- a) dass der Helm nur schützen kann, wenn er richtig paßt, und der Käufer sollte verschiedene Größen probieren und die Größe wählen, die fest und komfortabel auf dem Kopf sitzt;
- b) dass der Helm so eingestellt werden muss, dass er dem Träger paßt, z. B. müssen die Riemen so angebracht werden, daß sie nicht die Ohren bedecken, das Schloß darf nicht auf dem Kinn aufliegen, und die Riemen und das Schloß müssen sowohl komfortabel als auch fest eingestellt werden;
- c) wie der Helm auf dem Kopf sitzen muss, damit der beabsichtigte Schutz sichergestellt ist (z. B. daß er so aufgesetzt werden sollte, daß die Stirn geschützt ist und er nicht zu weit nach hinten über den Hinterkopf geschoben werden sollte);
- d) dass ein Helm nicht immer vor Verletzungen schützen kann;
- e) dass ein Helm ausgewechselt und vernichtet werden sollte, wenn er einem heftigen Stoß ausgesetzt war;
- f) eine Erklärung hinsichtlich der Gefahr der Veränderung oder Entfernung von Originalteilen des Helmes entgegen der Empfehlung des Herstellers und dass Helme nicht verändert werden sollten, um Zusätze in einer nicht vom Hersteller empfohlenen Weise anzubringen.

With every helmet clear information in the language of the country of sale shall be given as follows:

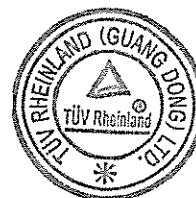
- a) that the helmet can only protect if it fits well and that the buyer should try different sizes and choose the size which feels secure and comfortable on the head;*
- b) that the helmet should be adjusted to fit the user, e.g. the straps positioned so that they do not cover the ears, the buckle positioned away from the jawbone and the straps and buckle adjusted to be both comfortable and firm;*
- c) how the helmet should be positioned on the head to ensure the intended protection is provide (e.g. that it should be placed so as to protect the forehead and not be pushed too far over the back of the head);*
- d) that a helmet cannot always protect against injury;*
- e) that a helmet subjected to a severe impact should be discarded and destroyed;*
- f) a statement of the danger of modifying or removing any of the original component parts of the helmet other than as recommended by the manufacturer, and that helmets should not be adapted for the purpose of fitting accessories in a way not recommended by the manufacturer.*

Bemerkungen / Remarks:

Die geforderten Angaben werden gegeben.
The required information is given.

Ergebnis / Result:

- ☒ Pass
☐ Fail
☐ N/A
☐ N/T



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Anhang ZA Zusammenhang zwischen dieser Europäischen Norm und den grundlegenden Anforderungen der EU-Richtlinie für Persönliche Schutzausrüstung Annex ZA <i>Clauses of this European Standard addressing essential requirements or other provisions of the EU - Directive for personal protective equipment</i>		
EG – Richtlinie 89/686/EEC, Anhang II EU – Directive 89/686/EEC, Annex II		Abschnitte dieser EN Clauses of this EN
1.2.1	Gefährliche und störende Eigenschaften der PSA <i>Absence of risks and other inherent nuisance factors</i>	4.6.2, 4.6.6
1.2.1.3	Höchstzulässige Behinderung des Benutzers <i>Maximum permissible user impediment (sensory)</i>	4.3
1.3.2	Leichtigkeit und Festigkeit der Konstruktion <i>Lightness and design strength</i>	5.4.2.1, 5.4.2.2, 5.4.2.3
1.4	Informationsbroschüre des Herstellers <i>Information supplied by the manufacturer</i>	6, 7
2.1	PSA mit Verstellsystem <i>PPE incorporating adjustment systems</i>	4.6.5
2.12	PSA mit einer oder mehreren direkt oder indirekt gesundheits- und sicherheitsrelevanten Markierungen oder Kennzeichnungen <i>PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety</i>	6
3.1.1	Stöße durch herabfallende oder herausgeschleuderte Gegenstände und durch Aufprall eines Körperteils auf ein Hindernis <i>Impact caused by falling or projecting objects and collision of parts of the body with an obstacle</i>	4.4

Die Übereinstimmung mit den Abschnitten dieser Europäischen Norm stellt ein Mittel dar, um den spezifischen wesentlichen Forderungen der entsprechenden Richtlinie und zugehörigen Regelungen der EFTA zu entsprechen.

Compliance with the clauses of this European Standard provides one means of conforming with the specific essential requirements of the Directive concerned and associated EFTA regulations.

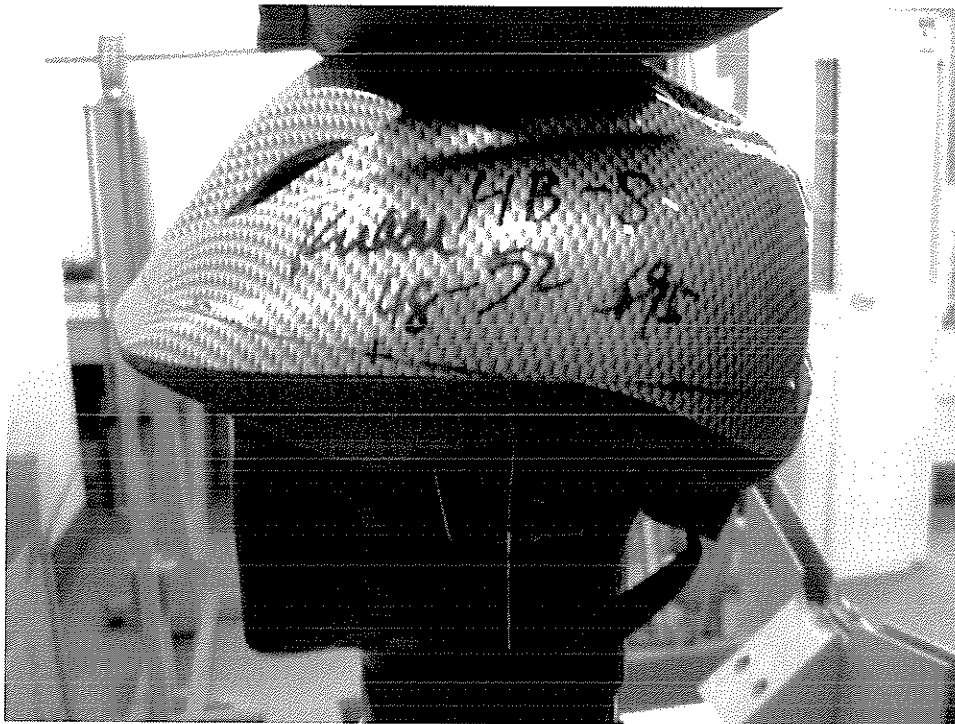


Prüfbericht - Nr.: 16076909 001		Seite 1 von 6	
<i>Test Report No.:</i> (Photo documentation)		Page 1 of 6	
Auftraggeber: <i>Client:</i>	Zhao Qing Bo Han Sports Company Ltd. No. 2-1, Kang Tai Street, High-tech Zone, Zhaoqing City, Guangdong Province, P.R. China		
Gegenstand der Prüfung: <i>Test Item:</i>	Helme für Radfahrer und für Benutzer von Skateboards und Rollschuhen <i>Helmets for pedal cyclists and for users of skateboards and roller skates</i>		
Bezeichnung: <i>Identification:</i>	siehe unter „Sonstiges“ <i>Pls. see under "Other aspects"</i>	Serien Nr.: <i>Serial No.:</i>	Engineering sample
Wareneingangs - Nr.: <i>Receipt No.:</i>	174049939	Eingangsdatum: <i>Date of receipt:</i>	N/A
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		the sample is ok for testing and not damaged	
Prüfört: <i>Testing location:</i>	TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Laboratory Room 103, Building A, No. 11 Jingye 3rd Street, Yushu Industrial Park, Guangzhou Science City, Guangzhou 510663, P.R. China		
Prüfgrundlage: <i>Test specification:</i>	EN 1078 : 2012 + A1 : 2012		
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the a.m. test specification(s).</i>		
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Laboratory		
Sonstiges/Other Aspects:			
HB-8 sizes (cm): 48-52 CM, 52-56 CM EPS: black			
			
Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet		Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested	
Dieser Prüfbericht bezieht sich nur auf den o.g. Prüfgegenstand und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test item. Without permission of the test centre this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

Prüfbericht - Nr.: 16076909 001
Test Report No.: (Photo documentation)

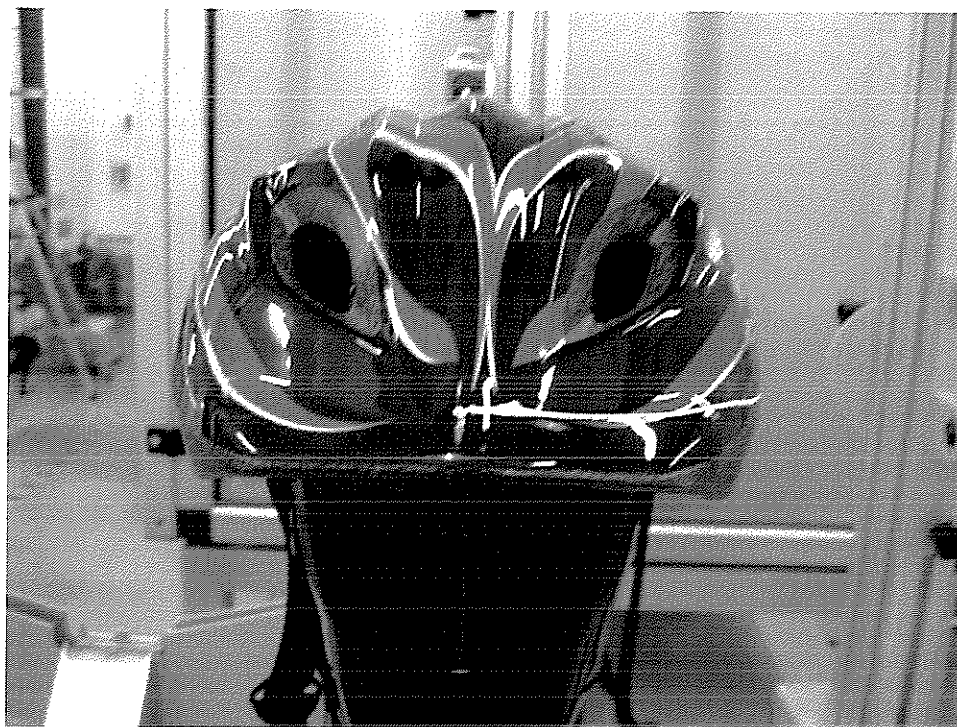
Seite 2 von 6
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Picture 1 - 4: basic inspection for protection area, field of vision, etc.



Prüfbericht - Nr.: 16076909 001
Test Report No.: (Photo documentation)

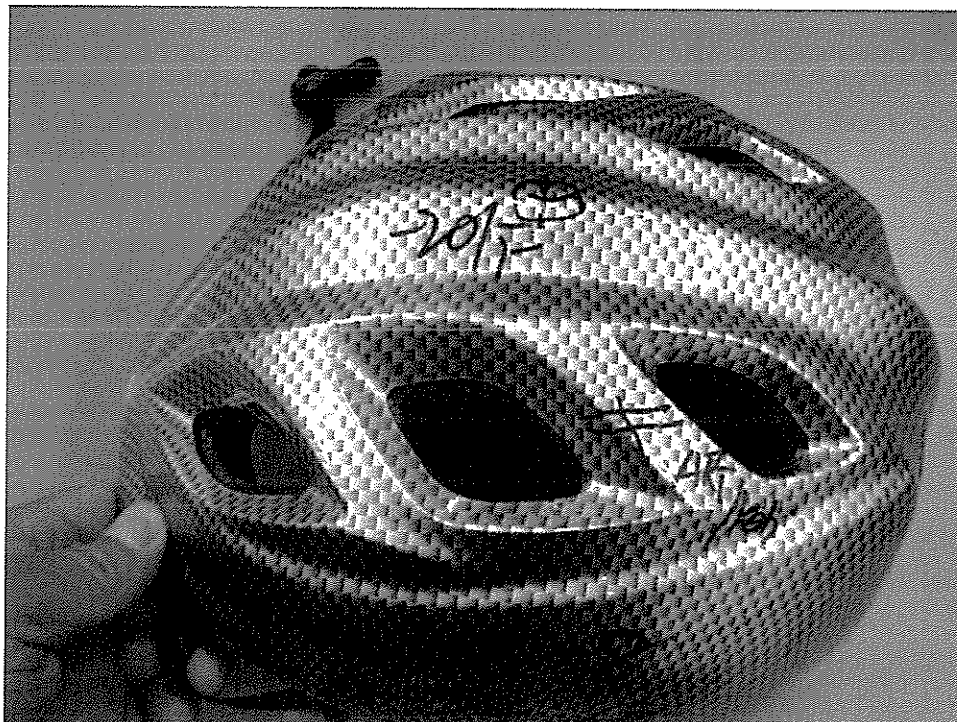
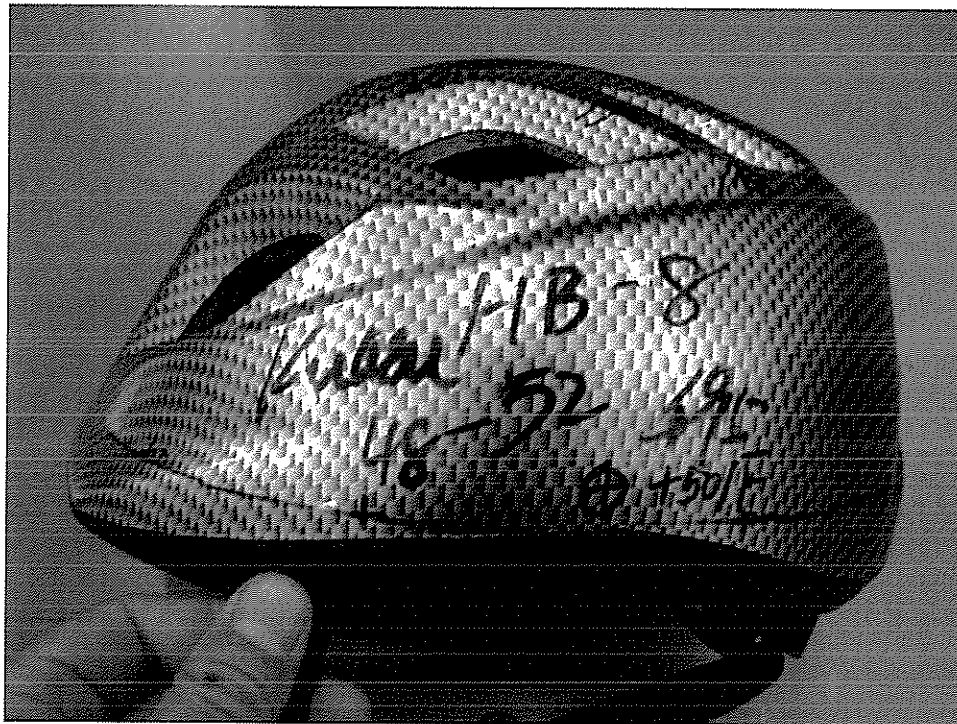
Seite 3 von 6
Page 3 of 6



Prüfbericht - Nr.: 16076909 001
Test Report No.: (Photo documentation)

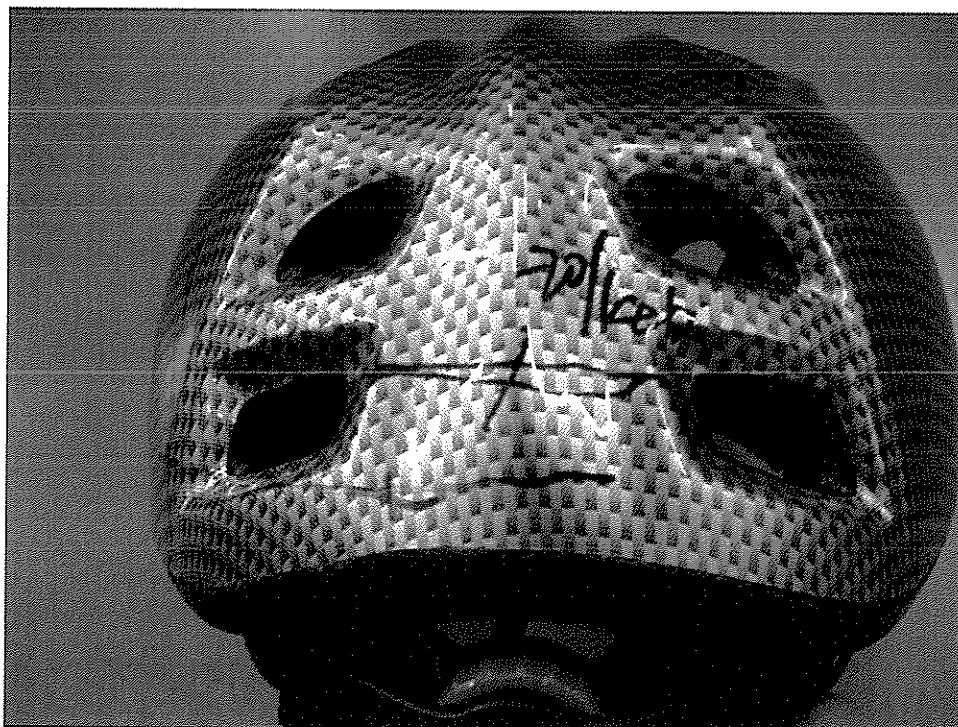
Seite 4 von 6
Page 4 of 6

Picture 5 - 8: impact points



Prüfbericht - Nr.: 16076909 001
Test Report No.: (Photo documentation)

Seite 5 von 6
Page 5 of 6



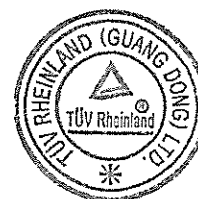
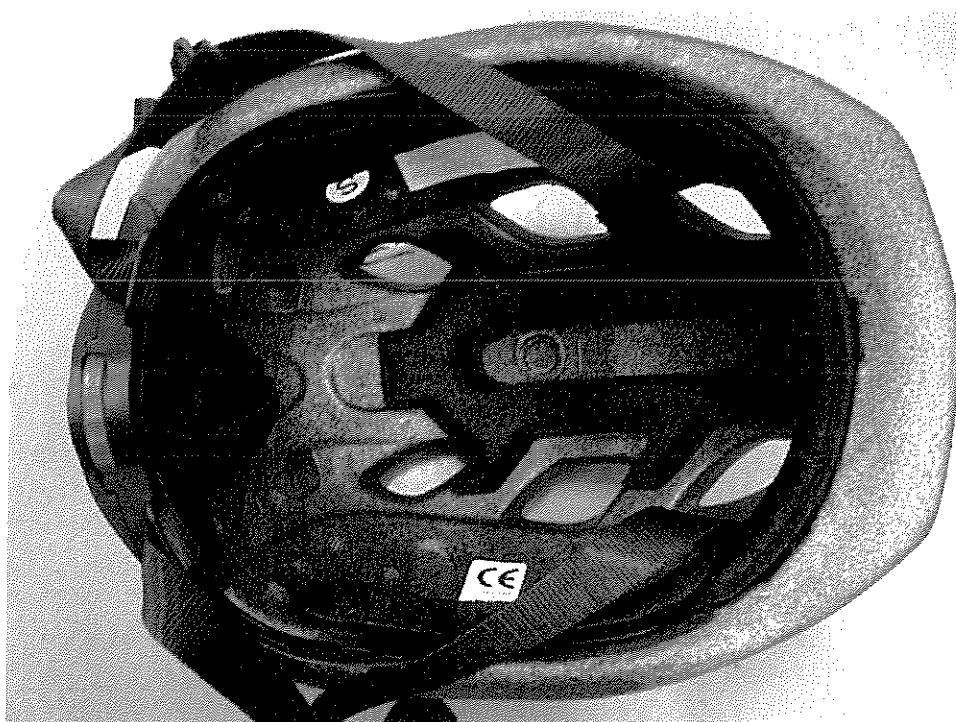
Prüfbericht - Nr.: 16076909 001
Test Report No.: (Photo documentation)

Seite 6 von 6
Page 6 of 6

Picture 9: retention system



Picture 10: inside of helmet



Order:

174049939

Ambient Temp.:

22°C

Operator:

Jason

Date:

5/19/2016

Humidity:

60%

Reviewed by:

Jason

Standard:

EN 1078:2012+A1:2012

Date/Time	Operator	Helmet Model	Sa.	Cond.	Anvil Shape	Impact Point	Helmet Size	Peak	Speed	Sample No.
5/19/2016	Jason pang	HB-8	495	+50°C	Kerb	Front Right	S/48-52	141	4.59	1 positive
5/19/2016	Jason pang	HB-8	495	+50°C	Flat	Left	S/48-52	217	5.43	1 positive
5/19/2016	Jason pang	HB-8	495	-20°C	Flat	Top	S/48-52	236	5.43	2 positive
5/19/2016	Jason pang	HB-8	495	-20°C	Kerb	Rear	S/48-52	130	4.57	2 positive
5/19/2016	Jason pang	HB-8	495	Artificial ageing	Kerb	Top	S/48-52	133	4.59	3 positive
5/19/2016	Jason pang	HB-8	495	Artificial ageing	Flat	Right	S/48-52	226	5.43	3 positive
5/19/2016	Jason pang	HB-8	535	+50°C	Kerb	Front Right	M/52-56	170	4.59	5 positive
5/19/2016	Jason pang	HB-8	535	+50°C	Flat	Left	M/52-56	180	5.41	5 positive
5/19/2016	Jason pang	HB-8	535	-20°C	Flat	Top	M/52-56	226	5.43	6 positive
5/19/2016	Jason pang	HB-8	535	-20°C	Kerb	Rear	M/52-56	111	4.59	6 positive
5/19/2016	Jason pang	HB-8	535	Artificial ageing	Kerb	Top	M/52-56	119	4.57	7 positive
5/19/2016	Jason pang	HB-8	535	Artificial ageing	Flat	Right	M/52-56	216	5.41	7 positive

Halteprüfung (Helmabstreiftest)/

Roll-off-test

Sample No.

1

5

495

535

S/48-52

M/52-56

Winkel der Verlagerung/

angle of movement

the helmet shall not come off the headform

25

35

with BLACK buckle
with BLACK buckle

dyn. Kinnriementest/

dyn. test of the retention system

2

3

6

7

495

495

535

535

S/48-52

S/48-52

M/52-56

M/52-56

dyn. Verlagerung/

dyn. Movement

max. 35 mm

25.9

24.0

23.2

23.8

stat. Verlagerung/

stat. Movement

max. 25mm

18.7

15.7

14.9

14.6

positive
positive
positive
positive

Sichtfeldermittlung/

field of vision

Horizontalwinkel/

horiz. angle

Winkeln.oben/

angleupwards

Winkeln.unten/

angledownwards



Order:
Ambient Temp.:
Operator:

174049939
22°C

Date:
Humidity:
Reviewed by:

5/19/2016
60%

Standard: EN 1078:2012+A1:2012

Sample No.

1
5

min. 210°
>210
>210

min. 25°
30
30

min. 45°
Jet
Jet

positive
positive

Chin strap width measurement

Width (min. 15mm)
16mm

positive

Helmet mass measurement

Sample No.

1
2
3
4

Weight (g) M/52-56

222
223
219
224
220

Weight (g) S/48-52

208
205
210
210
210

Helmet mass

(round to nearest 10 g) (round to nearest 10 g)

Operation force of the automatic buckle according 4.6.7

helmet-/testhead-size

S/48-52
M/52-56

open
open

Remark:
n.a.



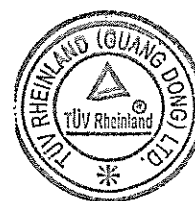
Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

Content

DOCUMENT	PAGE
Technical description	2
Assembly drawing	3
Material list of parts	4
Helmet section view	5-6
Constructional data	7
EPS details	8-9
Accessories	10
Label(s)	11
User manual	12-13
Helmet assembly pictures	14



Type HB-8

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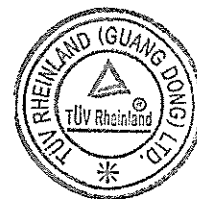
Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

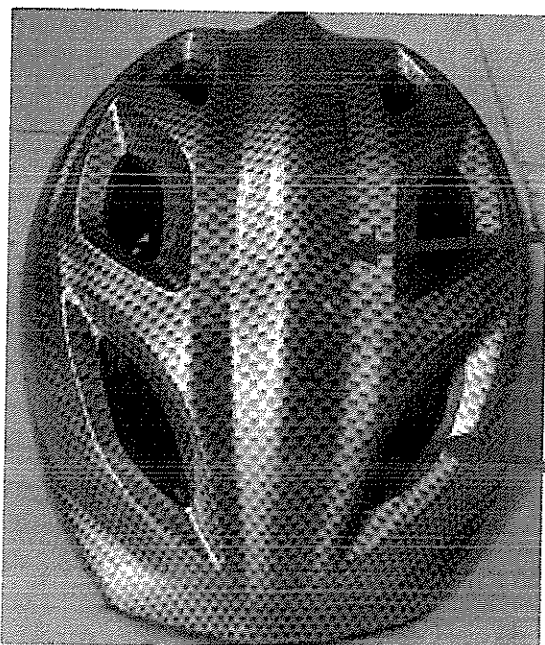
Application date: June 11, 2016

INFORMATION DOCUMENT FOR EC TYPE EXAMINATION CERTIFICATE OF HELMETS FOR PEDAL CYCLISTS AND FOR USERS OF SKATEBOARDS AND ROLLER SKATES

1. Make (trade name or mark of the manufacturer) : GOOD
Commercial mark(s) : MOON
2. Type : HB-8
Commercial description(s) : ---
Version : ---
3. Sizes : S 48-52CM M 52-56CM
4. Name and address of the applicant : Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province,
P.R. China
5. Name and address of the manufacturer : Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province,
P.R. China
6. Name and address of the manufacturer's representative : not applicable
7. Brief description of the helmet : Helmets for pedal cyclists and for users of
skateboards and roller skates
8. Name and address of assembly plant : Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province,
P.R. China
9. Applicable regulation : 89/686/EEC (including all amendments up to
96/58/EEC) and EN 1078:2012+A1:2012



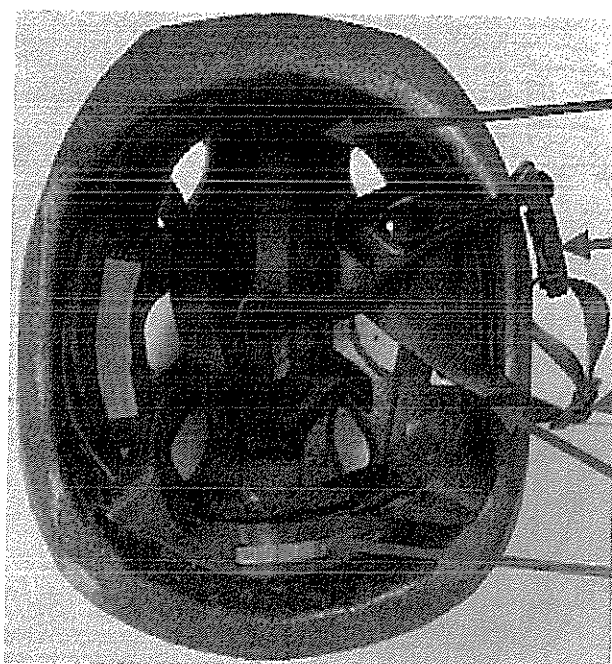
	Type	HB-8
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1. Helmet Shell

Thickness: 0.7 ± 0.2 mm

2. Inner EPS



3. Inner pad

Total: 4 pcs

4. Buckle

Total: 1 pcs

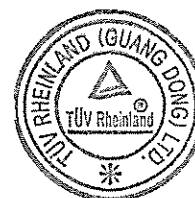
5. Adjustor

Total: 2 pcs

6. Webbing: 16 ± 0.2 mm

7. Headlock

Total: 1 pcs



DRW.

HB-8-01

Assembly Drawing

	Type	HB-8
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Zhao Qing Bo Han Sports Company Ltd.

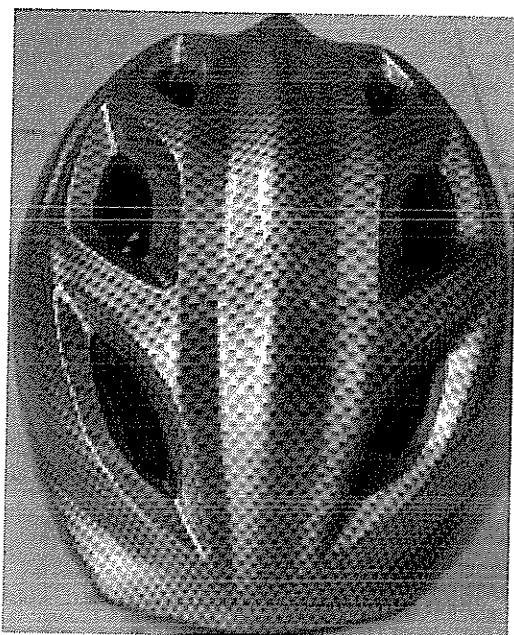
Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

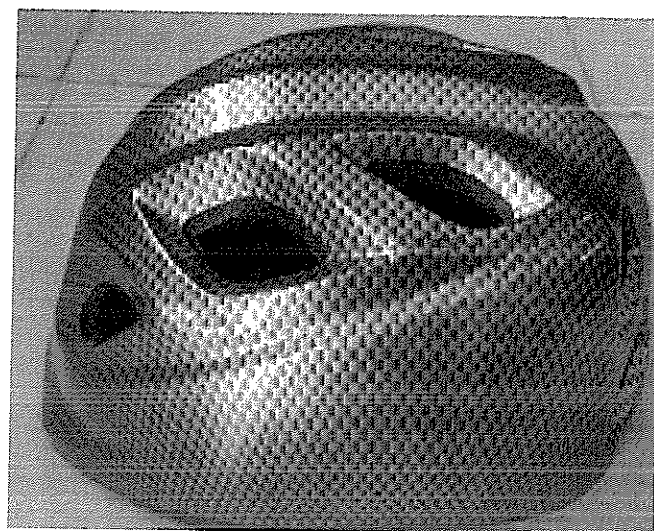
Part No.	Subject or name	Material
1	Outer shell	PVC
2	Inner EPS	EPS
3	Inner pad	Sponge
4	Buckle	Nylon
5	Adjustor	Nylon
6	Webbing	Nylon
7	Head lock	Nylon
		Material list of parts



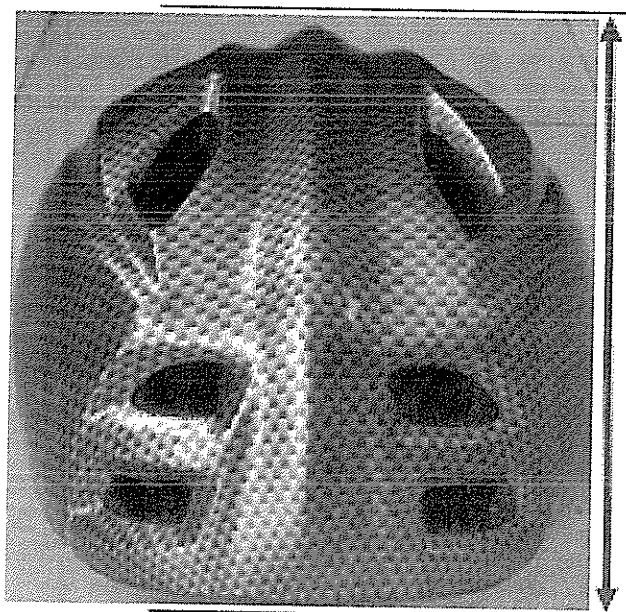
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190mm



240mm



150mm



DRW.

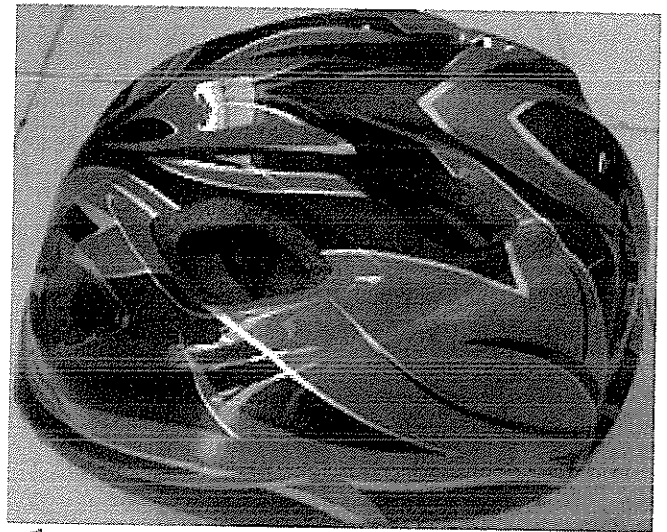
HB-8-02

Helmet section view
(for SIZE S)

	Type	HB-8
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202mm



265mm



1
5
5
m
m



DRW.

HB-8-03

Helmet section view
(for SIZE M)

	Type	HB-8
	Page	6 of 14

Constructional Data

1. Dimension of the shell (without Head Lock):

SIZE	Length (mm)	Width (mm)	Height (mm)
S	240	190	150
M	265	202	155

2. Total weight of the helmet:

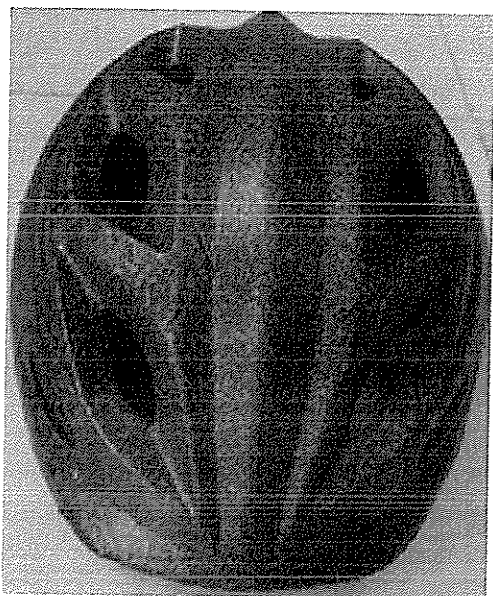
Size	Weight (g)	Tolerance (g)
S	210	± 10
M	220	± 10

3. Constructional details (without Head Lock):

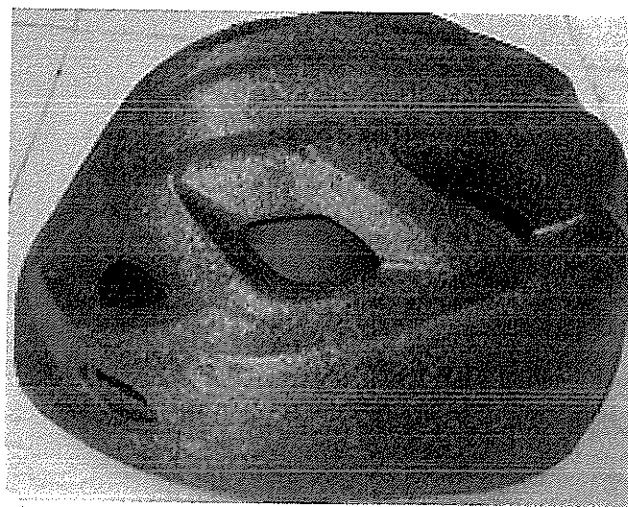
Item	Length [mm]	Width [mm]	Height [mm]	Thickness [mm]	Material
Inner shell (for SIZE S)	240	190	150	65 G/L	EPS
Inner shell (for SIZE M)	265	202	155	75 G/L	EPS
Outer shell (for SIZE S)	240	190	150	0.7	PVC
Outer shell (for SIZE M)	265	202	155	0.7	PVC
Webbing	1500	15	1	1	Nylon
Pads	205	170	2	10	Foam
Adjuster	25	33	9	2	Nylon
Buckle	45	20	10	4	Nylon



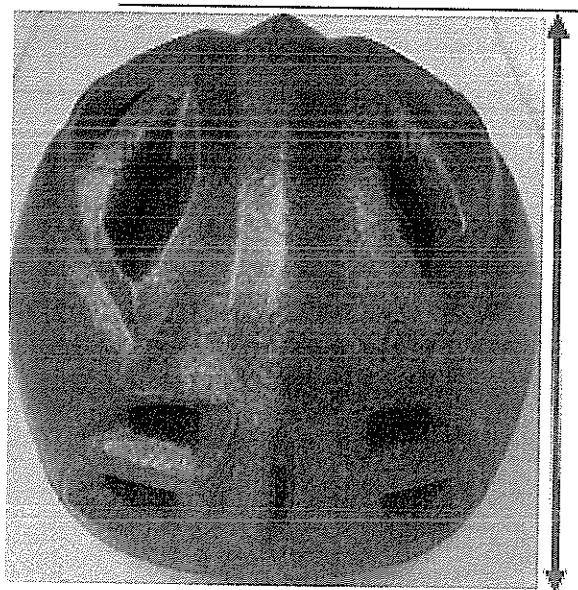
	Type	HB-8
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190mm



240mm



150mm

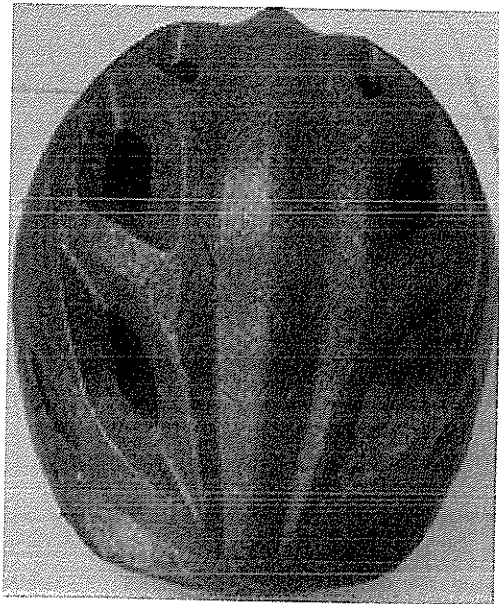


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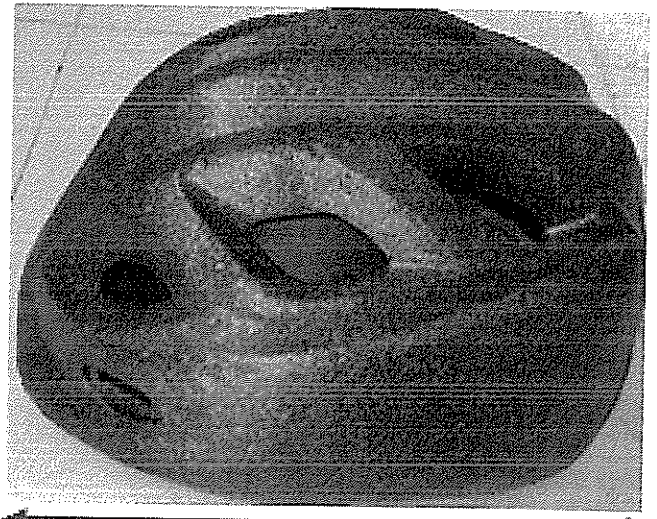
HB-8-04

EPS details
(for SIZE S)

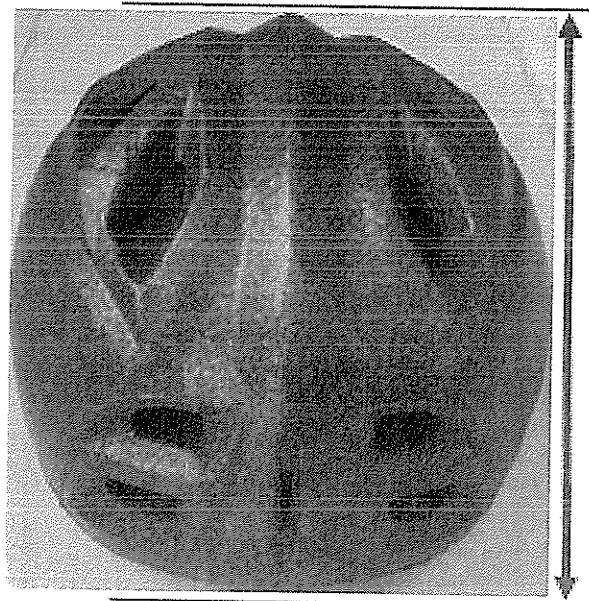
	Type	HB-8
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202mm



265mm



155mm

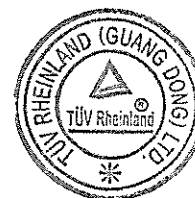
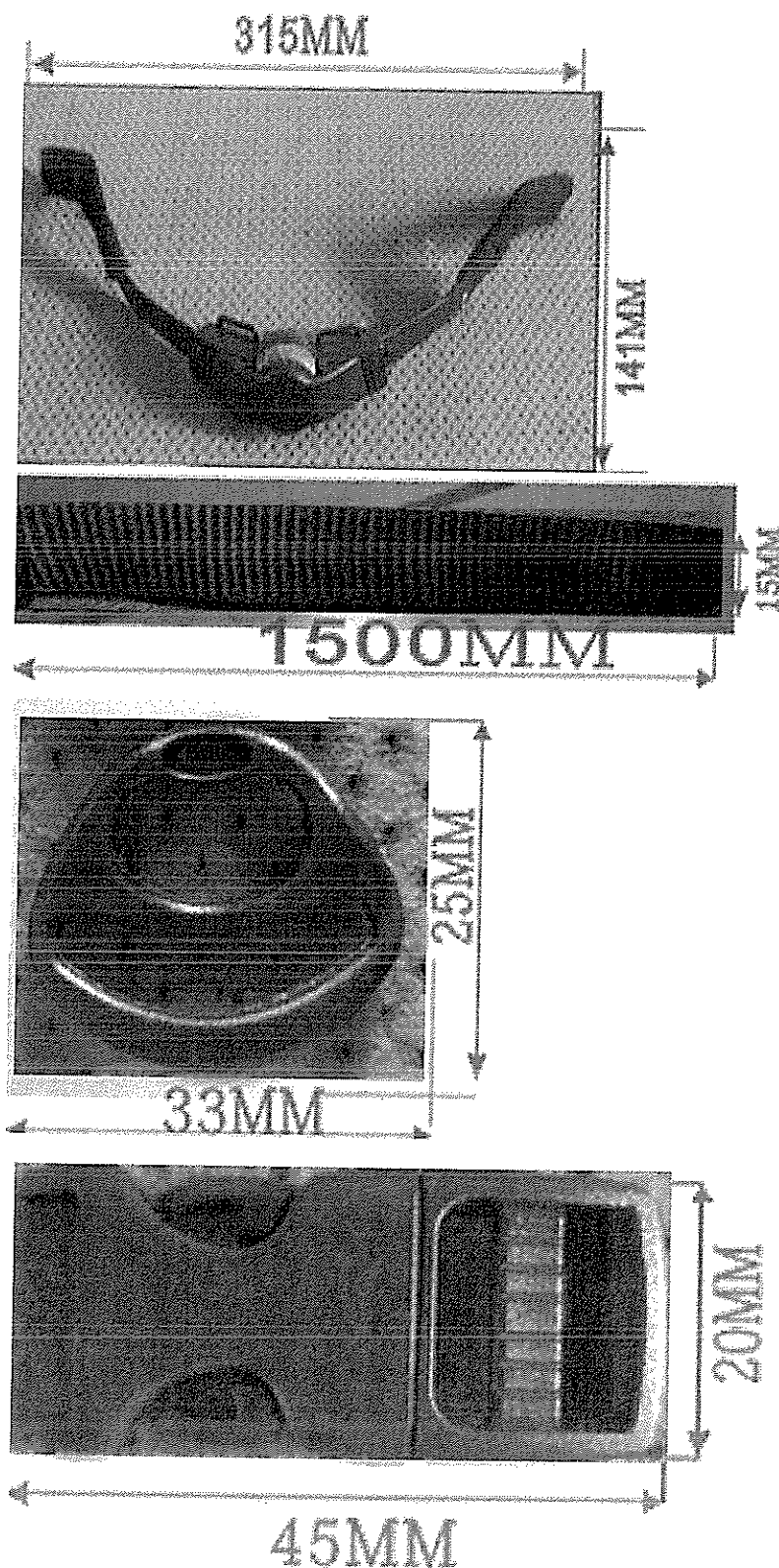


DRW.

HB-8-05

EPS details
(for SIZE M)

	Type	HB-8
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DRW.

HB-8-06

Accessories

	Type	HB-8
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Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

Model: HB-8
Size:S (48-52cm)
Nominal Mass:210g
Made in:Zhao Qing Bo
Han Sports Company Ltd
Manufacture Date:
 2016.06.11

**Helmet for pedal
cyclists, skateboarders
or roller skaters**



WARNING

- <F> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
- <R> • This headgear is designed to absorb the energy of a severe blow through partial destruction of the shell and/or lining. Even though damage may not be visible, the helmet should be replaced if such an impact occurs. Some impacts may surpass the helmet's ability to protect against severe injury or death.
- <O> • Make no modifications to this helmet as it may affect its protective capacity.
- <N> • Some common substances can cause damage to the helmet, though it may not be visible to the user. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.
- <T> • This helmet should not be used by children while climbing or doing other activities when there is a risk of hanging if the child gets trapped with the helmet
- <T> • This helmet is for pedal cyclists skateboarders or roller skaters.
- <T> • NOT FOR MOTOR VEHICLE USE.

MADE IN CHINA DATE OF MANF.

Model: HB-8
Size:M (52-56cm)
Nominal Mass:220g
Made in:Zhao Qing Bo
Han Sports Company Ltd
Manufacture Date:
 2016.06.11

**Helmet for pedal
cyclists, skateboarders
or roller skaters**



WARNING

- <F> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
- <R> • This headgear is designed to absorb the energy of a severe blow through partial destruction of the shell and/or lining. Even though damage may not be visible, the helmet should be replaced if such an impact occurs. Some impacts may surpass the helmet's ability to protect against severe injury or death.
- <O> • Make no modifications to this helmet as it may affect its protective capacity.
- <N> • Some common substances can cause damage to the helmet, though it may not be visible to the user. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.
- <T> • This helmet should not be used by children while climbing or doing other activities when there is a risk of hanging if the child gets trapped with the helmet
- <T> • This helmet is for pedal cyclists skateboarders or roller skaters.
- <T> • NOT FOR MOTOR VEHICLE USE.

MADE IN CHINA DATE OF MANF.

DRW.

HB-8-07

Label(s)

	Type	HB-8
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Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

BICYCLE SAFETY HELMET OWNERS MANUAL

THIS HELMET
IS
MEET CE
EN 1078:2012+A1:2012
HELMET STANDARDS

IMPORTANT!

EC TYPE EXAMINATION CERTIFICATE ISSUED BY:
TÜV Rheinland LGA Products GmbH
Tillystraße 2
50431 Nürnberg
NOTIFIED BODY REFERENCE No. 0197

PLEASE READ CAREFULLY BEFORE USING
YOUR NEW HELMET

should be destroyed or replaced, if it is involved in an injury- related fall.

Unfortunately, some accidents result in head injury that cannot be prevented by ANY helmet. Depending on the type of impact, even very low speeds can result in a serious head injury or fatality. Always ride with extreme caution and be sure to read this manual thoroughly.

Bicycle - Sports Helmets Warning

The Bicycle Safety Helmet is designed and intended exclusively for use while bicycling. *It is not intended for and will not provide adequate safe protection if used during motorsport or motor use.* No helmet can protect the wearer against all unforeseeable impacts. However, for maximum protection, the helmet must fit well and all retention straps must be securely fastened.

It is very dangerous for the user to modify and remove any of the original component parts of the helmet without the manufacturer's agreement.

Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province, P.R.
China

Final Check

The important thing to remember is that the helmet fits snugly. If you can tilt it forward or backward, you need to tighten the strap adjustment.

It is important for the helmet to fit snugly on your head and must be fastened to provide maximum protection.

All adjustments should be checked each time the helmet is worn, making sure it fits snugly at all times.

Caring for Your Helmet

Clean the headgear with mild soap and water only. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.

Keep Helmet Out of Extreme Heat

Helmets will be damaged if exposed to temperatures exceeding 150°F. Dark vehicles and storage bags can exceed this on very hot days. Heat damaged helmets will have random disfigured areas where the texture appears bubbly and uneven. If damaged, helmets should be destroyed and replaced immediately.

Important Information

This headgear is designed to absorb the energy of a blow by partial destruction or damage itself. Even though such damage may not be visible, the helmet

DRW.

HB-8-08

User manual

Type HB-8

Page 12 of 14



The Bicycle Safety Helmet you have just purchased provides protection, whether on or off the road. To insure proper use of this helmet, familiarize yourself with its features, fit and care by carefully reading through this manual before wearing your new helmet.

Protection and Ventilation

The outershell allows the helmet to be rated one of the lightest helmets while providing excellent durability and integrity. The multiple vents with inner air channels draw the air through the helmet and over the brow for maximum cooling.

Pad Fitting

The helmet must fit properly to be effective. With a proper fit, the helmet will not move back and forth or side to side while fastened. If the helmet does not fit with installed pads, simply remove them and install a different size pad. To insure the proper fit, mix and match the pad thickness to best conform to your head shape.

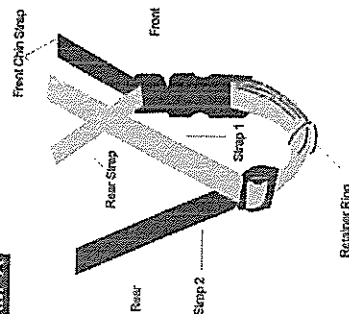
Retention System

This Bicycle Safety Helmet uses a quick-release buckle that is simple and can be buckled and unbuckled without changing the adjustment. The straps must be snugly and evenly tensioned. Place the helmet firmly on your head and fasten the buckle.

Notice which strap is loose. Tighten the loose strap after removing the helmet.

To tighten the chin strap, hold the buckle with one hand. Then pull the excess strap in through. (See Diagram A).

DIAGRAM A



To tighten the rear strap, pull excess from the rear of strap 2. Hold the helmet with one hand. With the other hand, hold the strap where they pass under your chin. Then pull from side to side to balance the length of all four straps. (See Diagram B)

The helmet must sit firmly and level on your head. (See Diagram C) To lower the front of the helmet to cover your forehead, tighten the chin strap and loosen the rear strap. To raise the front, loosen the chin strap and tighten the rear strap.

To check for proper tension, put on the helmet and fasten the buckle. Open your mouth. You should feel the strap pulling against your chin.

Then attempt to pull the helmet off the front or rear. If the helmet comes off, increase strap tension and examine if thick enough pads are being used. The helmet should not be able to roll forward or backward excessively. It should not be possible to remove the helmet without unfastening the buckle.

NOTE: Please check adjustment every time this helmet is worn.

DIAGRAM B

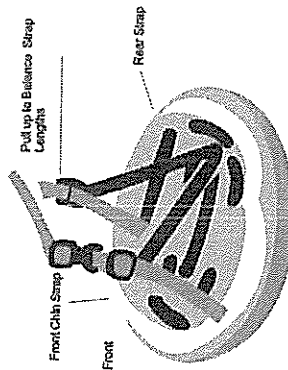
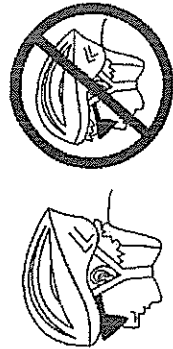


DIAGRAM C



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Incorrect

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HB-8-09

User manual

Type

HB-8

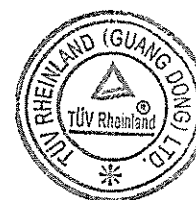
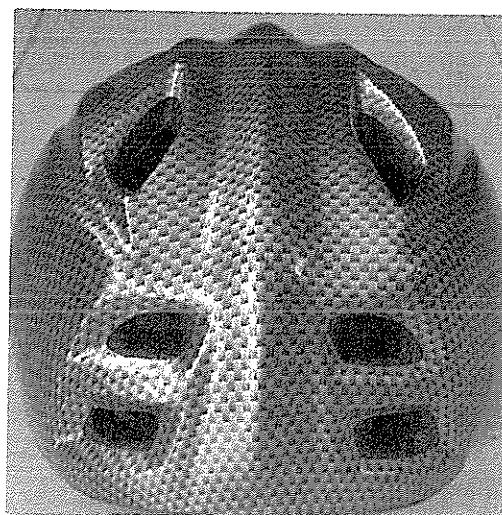
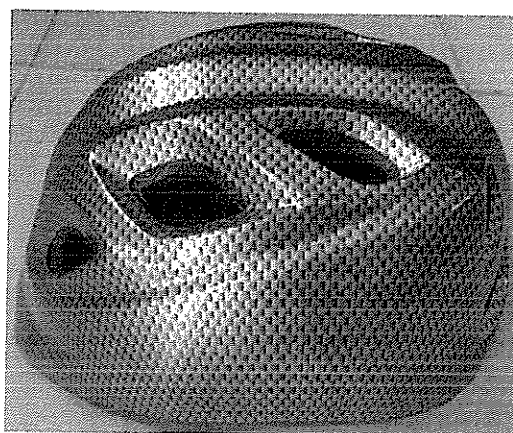
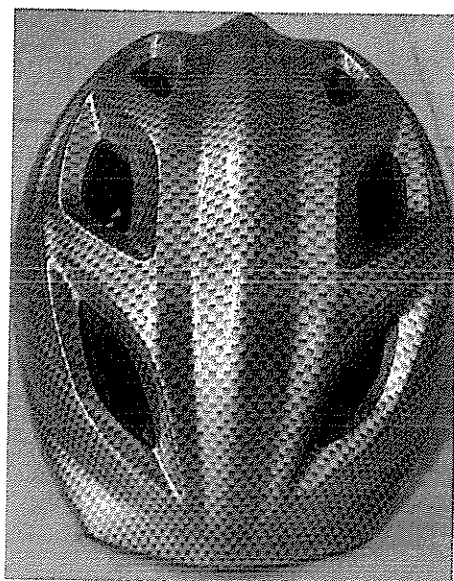
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Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016



DRW.	HB-8-10	Helmet assembly pictures
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Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

Model: HB-8
Size: S (48-52cm)
Nominal Mass: 210g
Made in: Zhao Qing Bo
Han Sports Company Ltd
Manufacture Date:
2016.06.11

Helmet for pedal
cyclists, skateboarders
or roller skaters



WARNING

- <F> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
 - <R> • This headgear is designed to absorb the energy of a severe blow through partial destruction of the shell and/or lining. Even though damage may not be visible, the helmet should be replaced if such an impact occurs. Some impacts may surpass the helmet's ability to protect against severe injury or death.
 - <O> • Make no modifications to this helmet as it may affect its protective capacity.
 - <N> • Some common substances can cause damage to the helmet, though it may not be visible to the user. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.
 - <T> • This helmet should not be used by children while climbing or doing other activities when there is a risk of hanging if the child gets trapped with the helmet. This helmet is for pedal cyclists, skateboarders or roller skaters.
- NOT FOR MOTOR VEHICLE USE.
MADE IN CHINA DATE OF MANF.

Model: HB-8
Size: M (52-56cm)
Nominal Mass: 220g
Made in: Zhao Qing Bo
Han Sports Company Ltd
Manufacture Date:
2016.06.11

Helmet for pedal
cyclists, skateboarders
or roller skaters



WARNING

- <F> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
 - <R> • This headgear is designed to absorb the energy of a severe blow through partial destruction of the shell and/or lining. Even though damage may not be visible, the helmet should be replaced if such an impact occurs. Some impacts may surpass the helmet's ability to protect against severe injury or death.
 - <O> • Make no modifications to this helmet as it may affect its protective capacity.
 - <N> • Some common substances can cause damage to the helmet, though it may not be visible to the user. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.
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- NOT FOR MOTOR VEHICLE USE.
MADE IN CHINA DATE OF MANF.

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2016-06-13

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HB-8-07

Label(s)

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	Page	11 of 14



Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB-8-00

Application date: June 11, 2016

BICYCLE SAFETY HELMET

OWNERS MANUAL

THIS HELMET
IS

MEET CE

EN 1078:2012+A1:2012
HELMET STANDARDS

IMPORTANT!

EC TYPE EXAMINATION CERTIFICATE ISSUED BY:
TÜV Rheinland LGA Products GmbH
Tilleystrasse 2
50431 Nürnberg
NOTIFIED BODY REFERENCE No. 0197

PLEASE READ CAREFULLY BEFORE USING
YOUR NEW HELMET

should be destroyed or replaced, if it is involved in an injury- related fall.

Unfortunately, some accidents result in head injury that cannot be prevented by ANY helmet. Depending on the type of impact, even very low speeds can result in a serious head injury or fatality. Always ride with extreme caution and be sure to read this manual thoroughly.

Bicycle - Sports Helmets Warning

The Bicycle Safety Helmet is designed and intended exclusively for use while bicycling. It is *not intended for and will not provide adequate safe protection if used during motorsport or motorized use.* No helmet can protect the wearer against all unforeseeable impacts. However, for maximum protection, the helmet must fit well and all retention straps must be securely fastened.

It is very dangerous for the user to modify and remove any of the original component parts of the helmet without the manufacturer's agreement.

Zhao Qing Bo Han Sports Company Ltd.
No. 2-1, Kang Tai Street, High-tech Zone,
Zhaoqing City, Guangdong Province, P.R.
China

Final Check

The important thing to remember is that the helmet fits snugly. If you can tie it forward or backward, you need to tighten the strap adjustment.

It is important for the helmet to fit snugly on your head and must be fastened to provide maximum protection.

All adjustments should be checked each time the helmet is worn, making sure it fits snugly at all times.

Caring for Your Helmet

Clean the headgear with mild soap and water only. The use of any solvents, paints or cleaning solutions can cause damage to the helmet and make it ineffective in the result of an accident.

Keep Helmet Out of Extreme Heat

Helmets will be damaged if exposed to temperatures exceeding 150°F. Dark vehicles and storage bags can exceed this on very hot days. Heat damaged helmets will have random disfigured areas where the texture appears bubbly and uneven. If damaged, helmets should be destroyed and replaced immediately.

Important Information

This headgear is designed to absorb the energy of a blow by partial destruction or damage itself. Even though such damage may not be visible, the helmet

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User manual

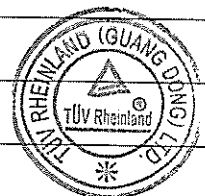
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The Bicycle Safety Helmet you have just purchased provides protection, whether on or off the road. To insure proper use of this helmet, familiarize yourself with its features, fit and care by carefully reading through this manual before wearing your new helmet.

Protection and Ventilation

The outershell allows the helmet to be rated one of the lightest helmets while providing excellent durability and integrity. The multiple vents with inner air channels draw the air through the helmet and over the brow for maximum cooling.

Pad Fitting

The helmet must fit properly to be effective. With a proper fit, the helmet will not move back and forth or side to side while fastened. If the helmet does not fit with installed pads, simply remove them and install a different size pad. To insure the proper fit, mix and match the pad thickness to best conform to your head shape.

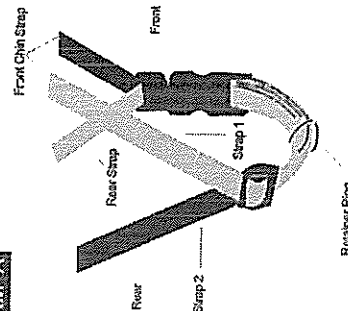
Retention System

This Bicycle Safety Helmet uses a quick-release buckle that is simple and can be buckled and unbuckled without changing the adjustment. The straps must be snugly and evenly tensioned. Place the helmet firmly on your head and fasten the buckle.

Notice which strap is loose. Tighten the loose strap after removing the helmet.

To tighten the chin strap, hold the buckle with one hand. Then pull the excess strap in through. (See Diagram A).

DIAGRAM A



To tighten the rear strap, pull excess from the rear of strap 2. Hold the helmet with one hand. With the other hand, hold the strap where they pass under your chin. Then pull from side to side to balance the length of all four straps. (See Diagram B)

The helmet must sit firmly and level on your head. (See Diagram C) To lower the front of the helmet to cover your forehead, tighten the chin strap and loosen the rear strap. To raise the front, loosen the chin strap and tighten the rear strap.

To check for proper tension, put on the helmet and fasten the buckle. Open your mouth. You should feel the strap pulling against your chin.

Then attempt to pull the helmet off the front or rear. If the helmet comes off, increase strap tension and examine if thick enough pads are being used. The helmet should not be able to roll forward or backward excessively. It should not be possible to remove the helmet without unfastening the buckle.

NOTE: Please check adjustment every time this helmet is worn.

DIAGRAM B

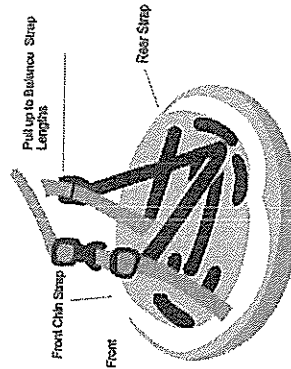
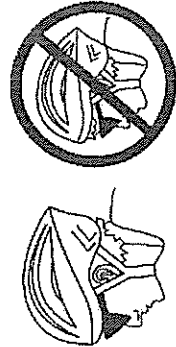


DIAGRAM C



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