

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 50261805 0001

Report No.: 16056200 001

Holder: Zhao Qing Bo Han Sports Company
Ltd.
DaWang Industrial Zone
Zhaoqing, Guangdong 526233
P.R. China

Product: Bicycle Helmet

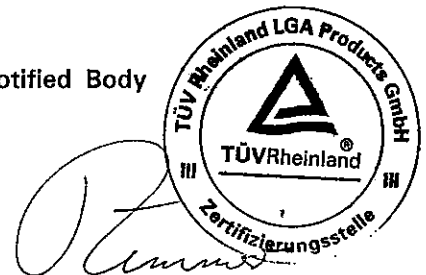
Identification:

Type	Size (cm)
HB31	55-58
	58-61

Remark:
Latest expiration date: 08.08.2018

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.

Notified Body



Date 09.08.2013

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. ☪

Report No. 16056200 001 License No. BP 50261805 0001 Appendix No. 1

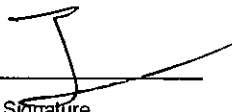
- 1.1 License holder** Zhao Qing Bo Han Sports Company Ltd.
DaWang Industrial Zone, ZhaoQing City, Guangdong Province, P.R. China
- 1.2 Manufacturer plant** Zhao Qing Bo Han Sports Company Ltd.
DaWang Industrial Zone, ZhaoQing City, Guangdong Province, P.R. China
- 1.3 Product Identification** Bicycle helmet
- 1.4 Type Designation** HB31

Refer to the information folder No. BO HAN-HB31-00

TÜV Rheinland Group

2013-08-06


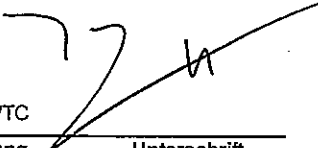

Date Name


 Signature

(Place)

(Date)

(Stamp and signature of license holder)

Prüfbericht - Nr.: 16056200 001		Seite 1 von 11 Page 1 of 11	
<i>Test Report No.:</i>			
Auftraggeber: <i>Client:</i>	Zhao Qing Bo Han Sports Company Ltd. DaWang Industrial Zone, ZhaoQing City, Guangdong Province, P.R. China		
Gegenstand der Prüfung: <i>Test Item:</i>	Radfahrerhelme Bicycle helmets		
Bezeichnung: <i>Identification:</i>	siehe unter „Sonstiges“ Pls. see under "Other aspects"	Serien Nr.: <i>Serial No.:</i>	Engineering sample
Wareneingangs - Nr.: <i>Receipt No.:</i>	174013136	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		
Prüfort: <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). The test item passed the a.m. test specification(s).		
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland (Guangdong) Ltd. Guangzhou Helmet Laboratory		
geprüft/ tested by:		kontrolliert/ reviewed by:	
2013-08-06	Jason Pang/PE	2013-08-06	Tony Yan/TC
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
			Name/Stellung <i>Name/Position</i>
			Unterschrift <i>Signature</i>
Sonstiges/Other Aspects:			
HB31	sizes (cm):	M 55-58CM, L 58-61CM	EPS: grey
1. Product is tested according to European harmonized standards.			
Attachment 1: Equipment list of TUV 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. <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.: 16056200 001
Test Report No.:

Seite 3 von 11
Page 3 of 11

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:

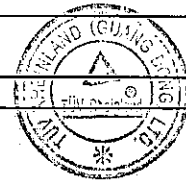
- construction including field of vision;
- shock absorbing properties;
- retention system properties, including chin strap and fastening devices;
- marking and information.

2. Normative Verweisungen Normative references

- siehe EN 1078 : 2012
- see EN 1078 : 2012

3. Definitionen Definitions

- siehe EN 1078 : 2012
- see EN 1078 : 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 und chemischen Prüfbericht Q00051856c 002 unter Fach 4, PAK Risikobewertung unter Fach 2 dieser Akte).

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, and chemical test report Q00051856c 002 in compartment 4, PAH risk assessment in compartment 2 of this file).

Ergebnis / Result:

- Pass
- Fail
- N/A
- N/T

Prüfbericht - Nr.: 16056200 001
Test Report No.:

Seite 4 von 11
Page 4 of 11

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

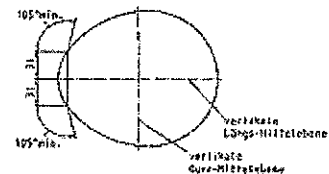
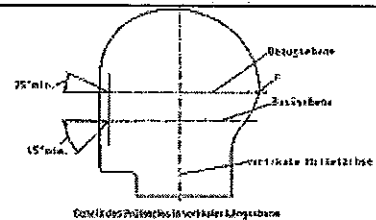
4.3 Sichtfeld
Field of vision

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

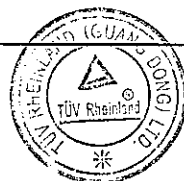
When tested in accordance with EN 1078, 5.7 there shall be no occultation in the field of vision bounded by angles as follows:

- 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.
There is no occultation in the field of vision.



Ergebnis / Result:

- Pass
- Fail
- N/A
- N/T

Prüfbericht - Nr.: 16056200 001
Test Report No.:

Seite 5 von 11
Page 5 of 11

4.4 Stoßdämpfungsvermögen Shock absorbing capacity

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

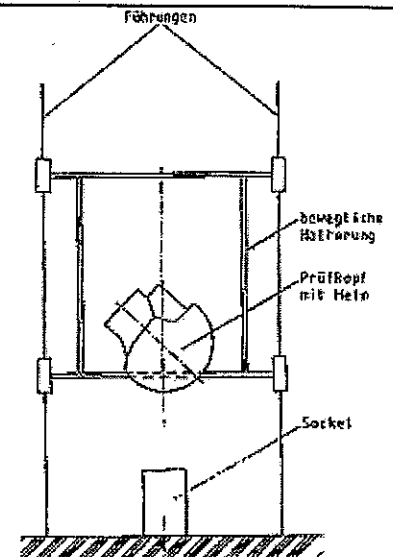
Bei der Prüfung (siehe EN 1078, 5.3 und 5.4) darf die Maximalbeschleunigung bei jedem Aufprall höchstens 250 g mit einer Geschwindigkeit von $(5,42^{+0,1}_0)$ m/s auf einen flachen Sockel und $(4,57^{+0,1}_0)$ m/s auf einen Bordstein betragen.

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). Die Messunsicherheit liegt bei < 2 %.

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

The uncertainty of measurement is < 2%.

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).

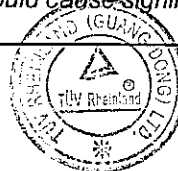
Bemerkungen / Remarks:

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



Prüfbericht - Nr.: 16056200 001	Seite 6 von 11
Test Report No.:	Page 6 of 11

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.

<u>Bemerkungen / Remarks:</u> Alle Helme sind mit einer fest installierten Trageeinrichtung und mit einem schwarzen Öffnungsmechanismus ausgestattet. <i>All helmets are equipped with a fix installed retention system and with a black opening mechanism.</i>	<u>Ergebnis / Result:</u> <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A <input type="checkbox"/> N/T
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4.6.2 Kinnriemen
Chin strap

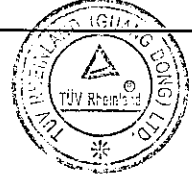
Der Kinnriemen darf keine Kinnschale enthalten. Kinnriemen müssen min. 15 mm breit sein. Kinnriemen können mit Vorrichtungen versehen sein, die den Tragekomfort für den Benutzer erhöhen.
The chin strap shall not include a chin cup. Any chin strap shall be not less than 15 mm wide. Chin straps may be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

<u>Bemerkungen / Remarks:</u> Es ist keine Kinnschale vorhanden. Die Kinnriemenbreite beträgt min. 16 mm (Prüfprotokolle als Anlage zum Bericht). <i>The chin strap does not include a chin cup. The width of the chin strap is min. 16 mm (test records as annex to the report).</i>	<u>Ergebnis / Result:</u> <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A <input type="checkbox"/> N/T
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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.

<u>Bemerkungen / Remarks:</u> Die Trageeinrichtung ist verstellbar, so dass sie sich der Ergonomie des Benutzers anpassen lässt. <i>The retention system is adjustable so that it can be fitted to the user's ergonomics.</i>	<u>Ergebnis / Result:</u> <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A <input type="checkbox"/> N/T
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Prüfbericht - Nr.: 16056200 001

Seite 7 von 11
Page 7 of 11

Test Report No.:

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

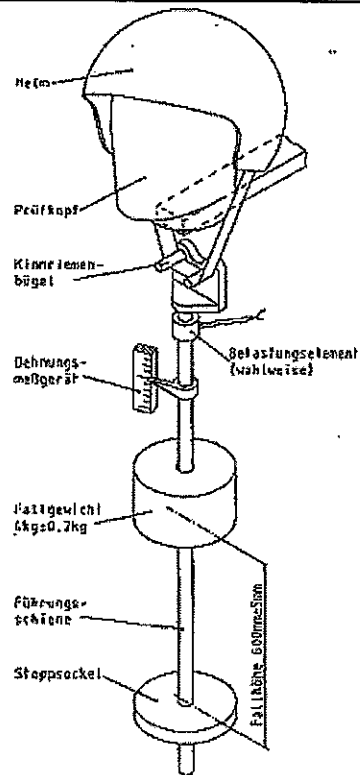
4.6.5 Festigkeit
Strength

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 (Messungenauigkeit $\leq 2\%$) erfüllen die Anforderungen (Prüfprotokolle als Anlage zum Bericht).

The measured values (uncertainty of measurement $\leq 2\%$) fulfil the requirements (test records as annex to the report).

Ergebnis / Result:

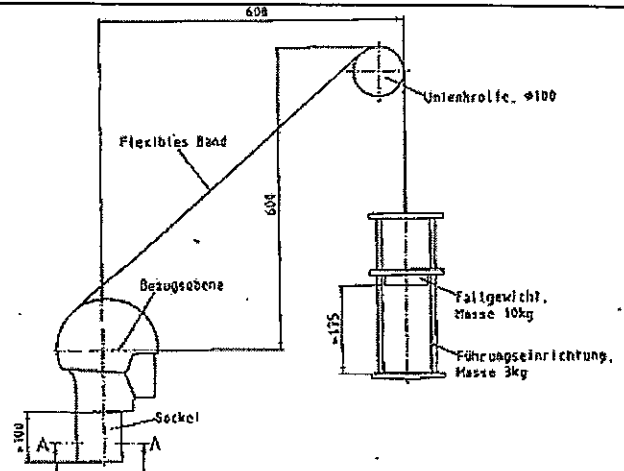
- Pass
 Fail
 N/A
 N/T

Prüfbericht - Nr.: 16056200 001
Test Report No.:

Seite 8 von 11
Page 8 of 11

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).

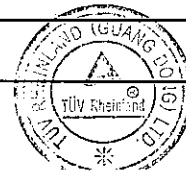
Ergebnis / Result:

- Pass
 Fail
 N/A
 N/T

5. Prüfungen
Testing

- siehe EN 1078 : 2012
- see EN 1078 : 2012

Bemerkungen / Remarks:
n.a.



Prüfbericht - Nr.: 16056200 001
Test Report No.:

Seite 9 von 11
Page 9 of 11

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:

- Nummer dieser Europäischen Norm;
- Name oder Zeichen des Herstellers;
- Modellbezeichnung;
- Bezeichnung, die aus einer oder mehreren der folgenden bestehen muß: Helm für Radfahrer, Skateboardfahrer und Rollschuhfahrer;
- Größe oder Größenbereich des Helmes, angegeben als Umfang (in cm) des Kopfes, für den der Helm passen soll;
- Gewicht des Helmes (durchschnittliche Masse der betreffenden Helmgröße in Gramm, ermittelt nach EN 1078, 5.2);
- Herstellerjahr und Quartal;
- 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:

- the number of this European standard;*
- the name or trademark of the manufacturer;*
- the designation of the model;*
- the designation, which shall be one or more of the following: -Helmet for pedal cyclists, skateboarders or roller skaters;*
- the size or size range of the helmet, quoted as the circumference (in centimetres) of the head which the helmet is intended to fit;*
- the weight of the helmet (the average mass in g determined according to EN 1078, 5.2);*
- year and quarter of manufacture;*
- 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 (siehe Beispiel in Fach 4 dieser Akte).
The required information is given (see example in compartment 4 of this file).

Ergebnis / Result:

- Pass
 Fail
 N/A
 N/T



Prüfbericht - Nr.: 16056200 001
Test Report No.:

Seite 10 von 11
Page 10 of 11

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:

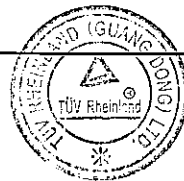
- a) that the helmet can only protect if it fits well and that the buyer should try different sizes and choose the size which feels secure and comfortable on the head;*
- b) that the helmet should be adjusted to fit the user, e.g. the straps positioned so that they do not cover the ears, the buckle positioned 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 (siehe Beispiel in Fach 4 dieser Akte).
The required information is given (see example in compartment 4 of this file).

Ergebnis / Result:

- Pass
- Fail
- N/A
- N/T

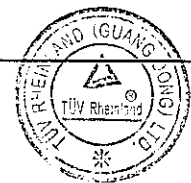


Prüfbericht - Nr.: 16056200 001

Test Report No.:


Seite 11 von 11
Page 11 of 11

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</i>	4.3
1.3.1	Anpassung der PSA an die Gestalt des Benutzers <i>Adaption of PPE to user impediment</i>	
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
2.2	PSA, die die zu schützenden Körperteile „umhüllen“ <i>PPE "enclosing" the parts of the body to be protected</i>	
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.: <i>Test Report No.:</i>	16056200 001 (Photo documentation)	Seite 1 von 5 Page 1 of 5
Auftraggeber: <i>Client:</i>	Zhao Qing Bo Han Sports Company Ltd. DaWang Industrial Zone, ZhaoQing City, Guangdong Province, P.R. China	
Gegenstand der Prüfung: <i>Test Item:</i>	Radfahrerhelme Bicycle helmets	
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>	174013136	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:	HB31 sizes (cm): M 55-58CM, L 58-61CM EPS: grey	
Abkürzungen: <i>P(ass) = entspricht Prüfgrundlage</i> <i>F(ail) = entspricht nicht Prüfgrundlage</i> <i>N/A = nicht anwendbar</i> <i>N/T = nicht getestet</i>		Abbreviations: <i>P(ass) = passed</i> <i>F(ail) = failed</i> <i>N/A = not applicable</i> <i>N/T = not tested</i>
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.: 16056200 001
Test Report No.: (Photo documentation)

Seite 2 von 5
Page 2 of 5

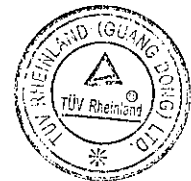
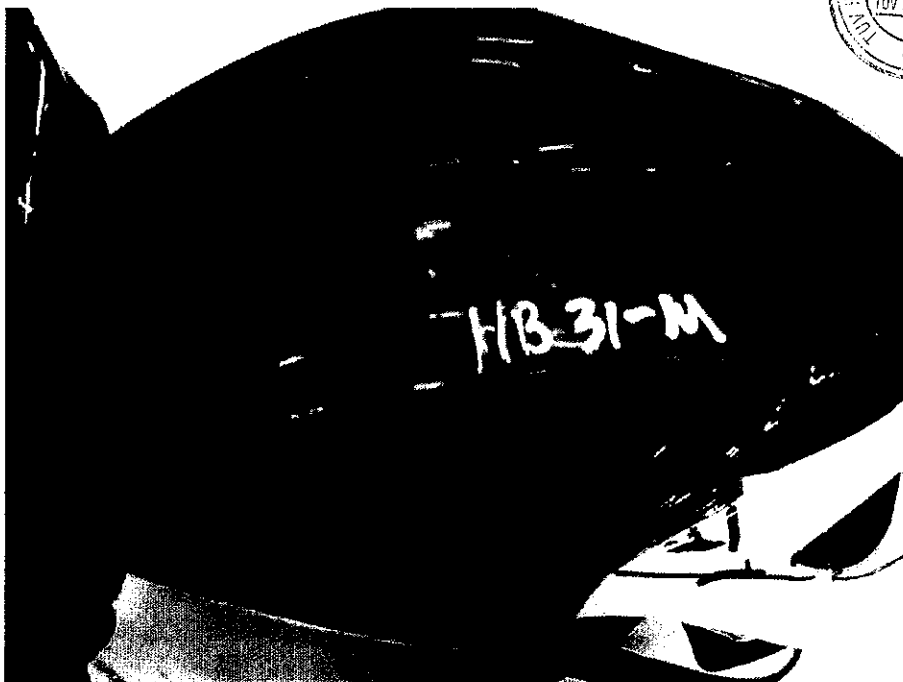
Picture 1 and 2: basic inspection for protection area, field of vision, etc.



Prüfbericht - Nr.: 16056200 001
Test Report No.: (Photo documentation)

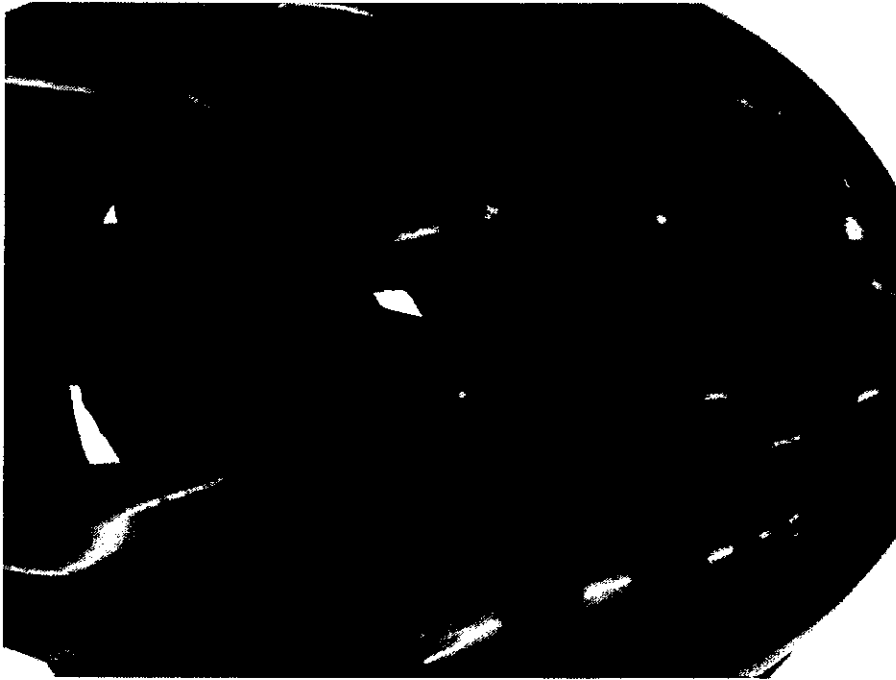
Seite 3 von 5
Page 3 of 5

Picture 3, 4 and 5: impact points



Prüfbericht - Nr.: 16056200 001
Test Report No.: (Photo documentation)

Seite 4 von 5
Page 4 of 5



Picture 6: retention system



Prüfbericht - Nr.: 16056200 001
Test Report No.: (Photo documentation)

Seite 5 von 5
Page 5 of 5

Picture 7: inside of helmet



Order: 174013136
 Ambient Temp.: 22°C
 Operator: *Jason Pang*

Date: 2013/7/17
 Humidity: 60%
 Reviewed by: *Jason Pang*

Standard: EN 1078:2012+A1:2012

Date/Time	Operator	Helmet Modi	Sa.	Cond.	Anvil Shape	Impact Point	Helmet Size	Peak	Speed	Sample No.
19-Jun-2013	Jason Pang	HB31	605	+50°C	Kerb	Front Right	58-61	116	4.58	1 positive
19-Jun-2013	Jason Pang	HB31	605	+50°C	Flat	Left	58-61	145	5.44	1 positive
19-Jun-2013	Jason Pang	HB31	605	-20°C	Flat	Top	58-61	152	5.44	2 positive
19-Jun-2013	Jason Pang	HB31	605	-20°C	Kerb	Front Left	58-61	117	4.57	2 positive
19-Jun-2013	Jason Pang	HB31	605	Artificial ageing	Kerb	Front	58-61	90	4.59	3 positive
19-Jun-2013	Jason Pang	HB31	605	Artificial ageing	Flat	Right	58-61	161	5.42	3 positive
16-Jul-2013	Jason Pang	HB31	575	+50°C	Kerb	Front Right	55-58	114	4.58	5 positive
16-Jul-2013	Jason Pang	HB31	575	+50°C	Flat	Left	55-58	157	5.44	5 positive
16-Jul-2013	Jason Pang	HB31	575	-20°C	Flat	Top	55-58	181	5.44	6 positive
16-Jul-2013	Jason Pang	HB31	575	-20°C	Kerb	Right	55-58	110	4.59	6 positive
16-Jul-2013	Jason Pang	HB31	575	Artificial ageing	Kerb	Front Left	55-58	110	4.47	7 positive
16-Jul-2013	Jason Pang	HB31	575	Artificial ageing	Flat	Top	55-58	159	5.44	7 positive

Halkeprüfung (Helmabstreiftest)/

Roll-off-test

Sample No.	Winkel der Verlagerung/ angle of movement	the helmet shall not come off the headform
1	58-61	with BLACK buckle
5	55-58	with BLACK buckle

dyn. Kinnriementest/

dyn. test of the retention system

dyn. Verlagerung/ dyn. Movement	stat. Verlagerung/ stat. Movement	max. 35 mm	max. 25mm
58-61	605	21.0	11.0
58-61	605	21.3	10.3
55-58	575	26.7	18.5
55-58	575	25.2	17.3



Sichtfeldermittlung/

field of vision

Horizontalwinkel/ horiz. angle	Winkel, oben/ angleupwards	Winkel, unten/ angledownwards

Order: 174013136

Ambient Temp.: 22°C

Operator: *[Signature]*

Date: 2013/7/17

Humidity: 60%

Reviewed by: *[Signature]*

Standard: EN 1078:2012+A1:2012

Sample No.

1

5

58-61

55-58

min. 210°

>210

>210

min. 25°

32

32

min. 45°

Jet

Jet

positive

positive

Chin strap width measurement

Width (min. 15mm)

16.0

positive

Helmet mass measurement

Sample No.

1

2

3

4

Helmet mass

Weight (g) L: 58-61

248

246

242

245

250 (round to nearest 10 g)

Weight (g) M: 55-58

236

235

233

241

240 (round to nearest 10 g)

Operation force of the automatic buckle according 4.6.7

helmet-/testhead-size

58-61CM

55-58CM

open

open



Remark

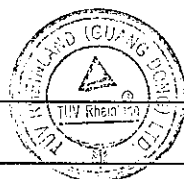
n.a.

Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

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 HB31

Page 1 of 14

Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

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

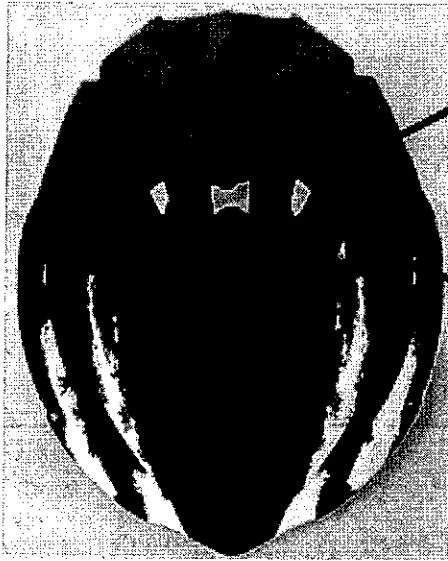
1. Make (trade name or mark of the manufacturer) : GOOD
 Commercial mark(s) : MOON
2. Type : HB31
 Commercial description(s) : ---
 Version : ---
3. Sizes : M 55-58CM, L 58-61CM
4. Name and address of the applicant : Zhao Qing Bo Han Sports Company Ltd.
 DaWang Industrial Zone, ZhaoQing City,
 Guangdong Province, P.R. China
5. Name and address of the manufacturer : Zhao Qing Bo Han Sports Company Ltd.
 DaWang Industrial 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.
 DaWang Industrial 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	HB31
	Page	2 of 14

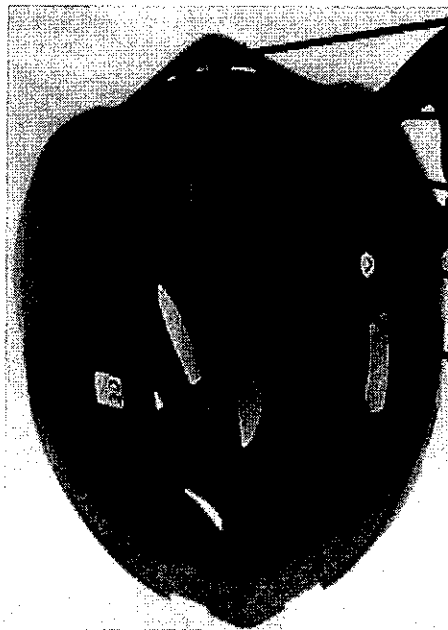
Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

Application date: July 17, 2013



1. Helmet shell
 Thickness: 0.7+/-0.2mm

2. Inner EPS



3. Headlock
 Total: 1pcs

4. Inner pad
 Total: 4pcs

5. Buckle
 Total: 1PCS

6. Adjustor
 Total: 2pcs

7. Webbing
 Width: 16+/-0.2MM

DRW.	HB31-01	Assembly Drawing
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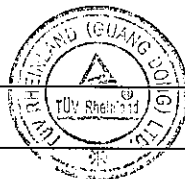
		Type	HB31
		Page	3 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

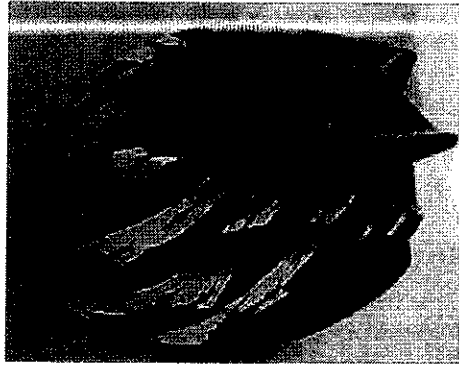
Part No.	Subject or name	Material
1	Outer shell	PC
2	Inner EPS	EPS
3	Head lock	Sponge
4	Inner pad	Nylon
5	Buckle	Nylon
6	Adjustor	Nylon
7	Webbing	Nylon
		Material list of parts



	Type	HB31
	Page	4 of 14

Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

Application date: July 17, 2013



270mm



205mm



129mm

DRW.	HB31-02	Helmet section view (for SIZE M)
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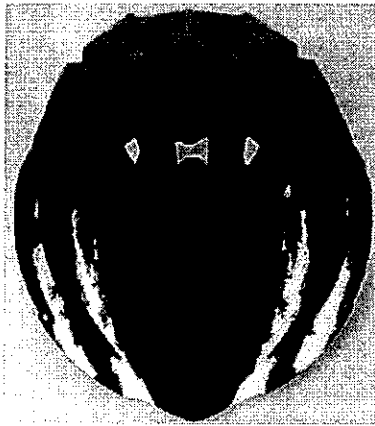
		Type HB31
		Page 5 of 14

Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

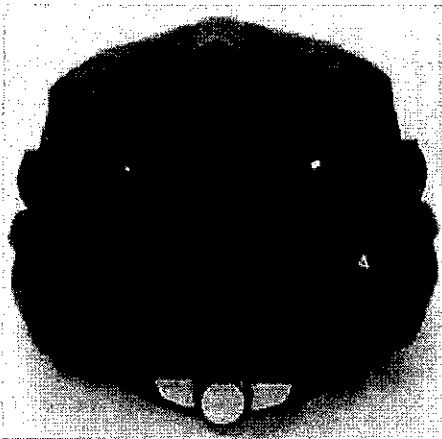
Application date: July 17, 2013



283MM



225MM



1
4
3
M
M

DRW.	HB31-03	Helmet section view (for SIZE L)
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		Type	HB31
		Page	6 of 14

Constructional Data

1. Dimension of the shell:

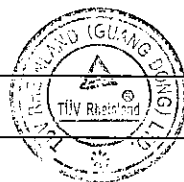
SIZE	Length (mm)	Width (mm)	Height (mm)
M	270	205	129
L	283	225	143

2. Total weight of the helmet:

Size	Weight (g)	Tolerance (g)
M	239	± 10
L	245	± 10

3. Constructional details:

Item	Length [mm]	Width [mm]	Height [mm]	Thickness [mm]	Material
Inner shell (for SIZE M)	270	205	129	74 G/L	EPS
Inner shell (for SIZE L)	283	225	143	74 G/L	EPS
Outer shell (for SIZE M)	270	205	129	0.5	PC
Outer shell (for SIZE L)	283	225	143	0.5	PC
Webbing	1550	15	1	1	Nylon
Pads	205	170	2	10	Foam
Adjuster	33	25	2.5	2	Nylon
Buckle	45	20	10	4	Nylon



	Type	HB31
	Page	7 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013



270mm



205mm



129mm

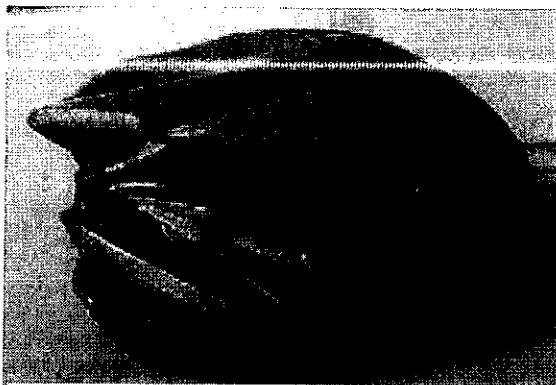
DRW.	HB31-04	EPS details (for SIZE M)
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		Type	HB31
		Page	8 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

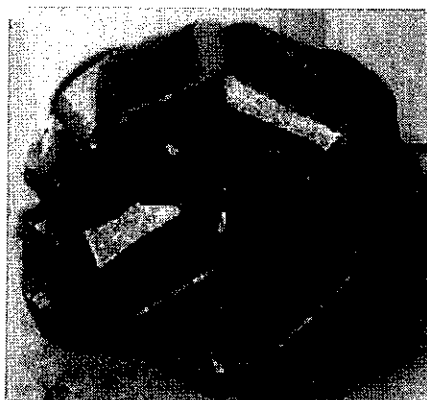
Application date: July 17, 2013



283MM



225MM



1
4
3
M
M

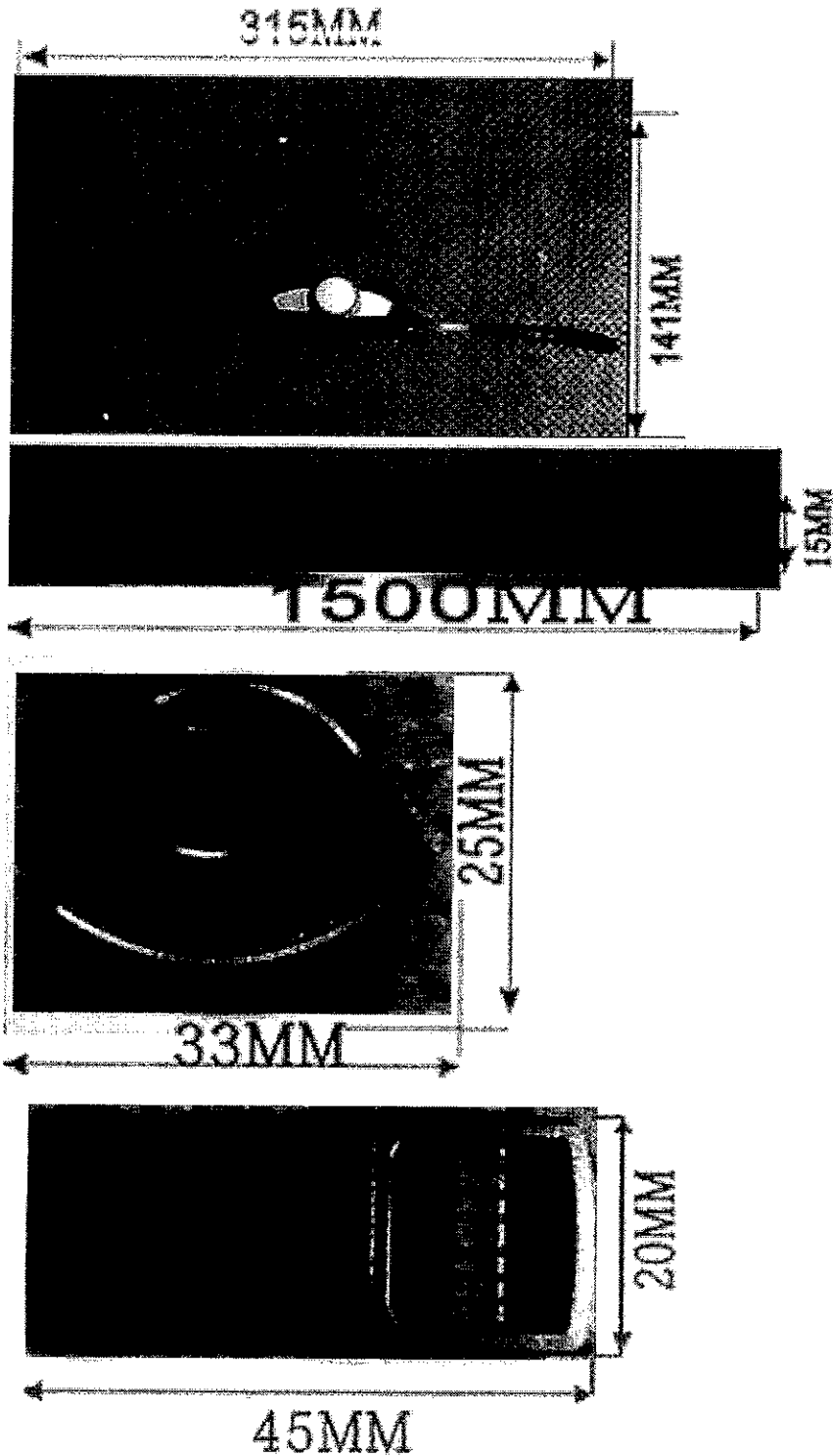
DRW.	HB31-05	EPS details (for SIZE L)
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		Type	HB31
		Page	9 of 14

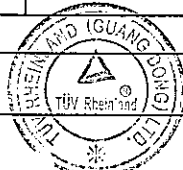
Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013



DRW.	HB31-06	Accessories
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		Type	HB31
		Page	10 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

Model: HB31
 Size: M (55-58 cm)
 Nominal Mass: 239 g
 Made in: Zhao Qing Bo
 Han Sports Company Ltd
 Manufacture Date:
 2013.07.17

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



WARNING

- <E> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
 - <E> • This head gear 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.
 - <R> • Some impacts may surpass the helmet's ability to protect against severe injury or death.
 - <R> • Make no modifications to this helmet as it may affect its protective capacity.
 - <C> • 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 event of an accident.
 - <N> • 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.
- NOT FOR MOTOR VEHICLE USE.
 MADE IN CHINA DATE OF MANF.

Model: HB31
 Size: L (58-61 cm)
 Nominal Mass: 245 g
 Made in: Zhao Qing Bo
 Han Sports Company Ltd
 Manufacture Date:
 2013.07.17

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



WARNING

- <E> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
 - <E> • This head gear 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.
 - <R> • Some impacts may surpass the helmet's ability to protect against severe injury or death.
 - <R> • Make no modifications to this helmet as it may affect its protective capacity.
 - <C> • 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 event of an accident.
 - <N> • 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.
- NOT FOR MOTOR VEHICLE USE.
 MADE IN CHINA DATE OF MANF.

DRW.	HB31-07	Label(s)
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		Type	HB31
		Page	11 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

BICYCLE SAFETY HELMET

OWNERS MANUAL

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

IMPORTANT!

EC TYPE EXAMINATION CERTIFICATE ISSUED BY:
TUV Rheinland LGA Products GmbH
Tilleystraße 2
90431 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 non-ped 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.
DaWang Industrial zone, ZhaoQing City,
Guangdong Province, 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.

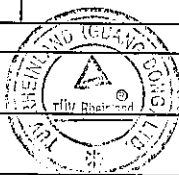
Important Information

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.

HB31-08

User manual



Type HB31

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 outer shell allows the helmet to be rated one of the lightest helmets while providing excellent durability and integrity. The multiple vents within 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.

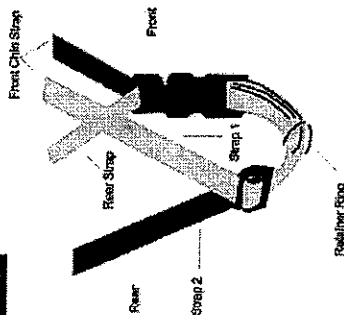
Retention System

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

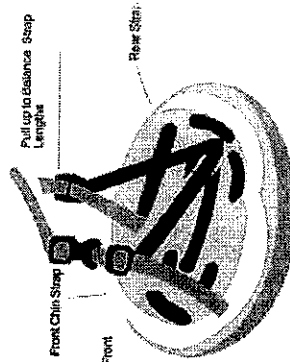
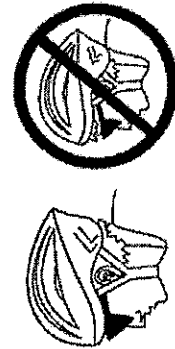


DIAGRAM C



Correct

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HB31-09

User manual



Type HB31

Page 13 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00


Application date: July 17, 2013



DRW.

HB31-10

Helmet assembly pictures

		Type	HB31
		Page	14 of 14

Zhao Qing Bo Han Sports Company Ltd.

Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

Model: HB31
 Size: M (55-58cm)
 Nominal Mass: 239g
 Made in: Zhao Qing Bo
 Han Sports Company Ltd
 Manufacture Date:
 2013.07.17

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



WARNING

- <E> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
- <E> • This head gear 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.
- <R> • Some impacts may surpass the helmet's ability to protect against severe injury or death.
- <E> • Make no modifications to this helmet as it may affect its protective capacity.
- <E> • 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 event of an accident.
- <N> • 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.
 *NOT FOR MOTOR VEHICLE USE.
 MADE IN CHINA DATE OF MANF.

Model: HB31
 Size: L (58-61cm)
 Nominal Mass: 245g
 Made in: Zhao Qing Bo
 Han Sports Company Ltd
 Manufacture Date:
 2013.07.17

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



WARNING

- <E> • For maximum protection, the helmet must be of good fit and all retention straps must be secure.
- <E> • This head gear 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.
- <R> • Some impacts may surpass the helmet's ability to protect against severe injury or death.
- <E> • Make no modifications to this helmet as it may affect its protective capacity.
- <E> • 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 event of an accident.
- <N> • 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.
 *NOT FOR MOTOR VEHICLE USE.
 MADE IN CHINA DATE OF MANF.

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2013-08-06		Type	HB31
		Page	11 of 14

Zhao Qing Bo Han Sports Company Ltd.
Information folder No. BO HAN-HB31-00

Application date: July 17, 2013

**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 Nürnb erg
 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.
DaWang Industrial zone, ZhaoQing City,
Guangdong Province, 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.

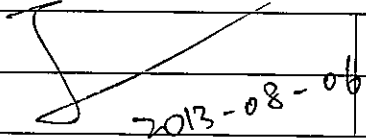
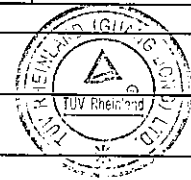
Keep Helmet Out of Extreme Heat

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.	HB31-08	User manual
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		Type	HB31
		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.

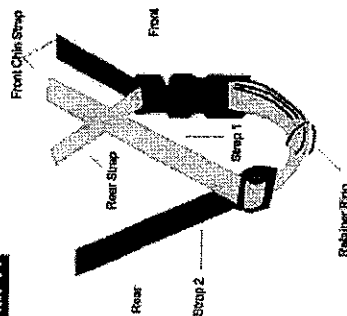
Retention System

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

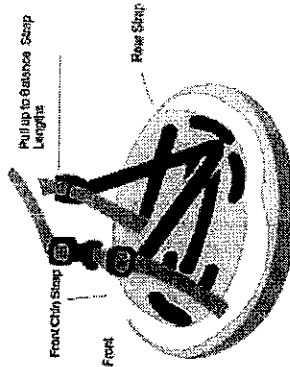
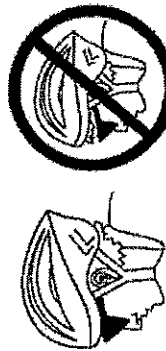


DIAGRAM C



Incorrect

Correct

DRW.

HB31-09

User manual

2013-08-06		Type	HB31
		Page	13 of 14