

AKADA

HIGH QUALITY HARDWARE

WWW.AKADA.COM.SA



PRE QUALIFICATION

COMPANY

honesty, innovation, quality, service
we can make things better



AKADA welcome you to examine its' foremost private and public hardware selections that are carefully manufactured of high quality material in Znc alloy, stainless steel, aluminum & brass.

At AKADA, we work closely with Architects, Interior designers and Specifiers seeking to introduce different concepts to their clients. We have established a reputation for introducing and developing innovative and unique designs for architectural specifications on projects where there had been a requirement for modern and practical Architectural Hardware.

The 2016 new catalogue is special for a complete range of top quality architectural hardware, including door handles, lock body, cylinders, hinges, door controls and other door accessories.

All of our products are manufactured to carry a 10 year guarantee provided the products have been installed in accordance with the manufactures instructions.

We are sure to be able to meet your OEM/ODM requirements. Our strong R&D team releases new products monthly, and design services are available for your customization needs. If you're looking for a stable supplier of quality hardware, keep us at the top of your sourcing list. Contact us today for more information.

We sincerely hope to make good cooperation with all the customers worldwide for a brilliant future.

الرقم: ١٠١٠٣٦٠٩٦٨
التاريخ: ١٤٣٤/٠٣/٠٢ هـ

الرقم الموحد للمنشأة: ٧٠٠٣٣٣٢٥٠٤
الاسم التجاري للشركة: شركة اكادا للتجارة
نوعها: ذات مسئولية محدودة
مدة الشركة: ٢٠ سنة
مركزها الرئيسي: الرياض حي الفاروق شارع الكبرى
ص ب: ٢٨٠٢ الرمز البريدي: ١٢٨٦٤ هاتف: ١١٤٤٦٦٦٢٧
النشاط: للاطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري
رأس المال: ٦٠٠٠٠٠٠ ريال سعودي
المديرون: ١ ناصر ابراهيم سلطان القحطاني
٣
٥
٧
٩
١١

سلطات المدير/المديرون: حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة: الرياض بأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة: الرياض
وتنتهي صلاحية الشهادة في: ١٤٤٨/٠٢/٠٨ هـ بموجب الإيصال رقم: ٢١١١٢٤٢٤ وتاريخ: ١٤٤٧/٠٦/٠٨ هـ



مدير السجل التجاري للشركات: عبد المحسن بن ابراهيم الحماد
التوقيع:

يمكنك التحقق من صحة هذه الشهادة بالدخول على <http://v.mci.gov.sa> To Verify the information of this certificate visit



تاريخ الإصدار: 2021/10/28
الرقم المميز: 3110538681



الهيئة العامة للزكاة والدخل
General Authority of Zakat & Tax



شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف أدناه مسجل في ضريبة القيمة المضافة
بتاريخ 2021/10/28

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is
VAT registered on 28/10/2021

Taxpayer Name:	شركة اكادا للتجارة	اسم المكلف:
VAT Registration Number:	311053868100003	رقم التسجيل الضريبي:
Effective Registration Date:	2021/11/01	تاريخ نفاذ التسجيل:
Taxpayer Address:	الرياض، الرياض، خالد بن الوليد، 13214	عنوان المكلف:



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ
نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع
- الهيئة العامة للزكاة والدخل -



第 4598429 号



商 标 注 册 证

AKADA

核定使用商品(第 6 类)

金属门把手; 球形金属把手; 金属铰链; 门插销; 金属合页; 家具用金属附件; 五金器具; 金属锁(非电); 挂锁; 钥匙(截止)

注册人 陈兴泽 332621731013099

注册地址 浙江省温州市鹿城区上村路 51 弄 5 号

注册有效期限 自公元 2008 年 02 月 14 日至 2018 年 02 月 13 日止

局长签发

安青虎





شهادة ضمان

نحن مؤسسة أكادا للتجارة بالمملكة العربية السعودية والخليج العربي

ووكلاء شركة أكادا الدولية لتصنيع الأقفال والمقابض وأكسسوارات
الأبواب الخشبية عالية الجودة .

نضمن جميع منتجاتنا 10 سنوات ميلادية من تاريخ البيع ويتضمن
الضمان على الطلاء والمصنعية .

ولا يشمل الضمان سوء الاستخدام وسوء التركيب والكسر .

مؤسسة أكادا للتجارة



الموضوع: بشأن تأهيل مؤسسة أسيا الجودة
للتجارة فرع مؤسسة أكادرا للتجارة

المكرمين / مؤسسة أسيا الجودة للتجارة فرع مؤسسة أكادرا للتجارة

ص.ب: ٢٦٨١٩ الرياض: ٣١٩٥٣ الهاتف: ٠١١٤٧٦٤٤٤٠ الفاكس: ٠١١٢٤٣٤٩٩٠

السلام عليكم ورحمة الله وبركاته . . وبعد

تهديكم وكالة الوزارة للشؤون الفنية بوزارة الإسكان أطيب التحايا والتقدير، وإشارة إلى خطابكم الوارد للوزارة برقم (٢٢٤٥٣) وتاريخ ١٤٤٠/١١/٠٤ هـ بشأن طلب تأهيل مؤسستكم في مشاريع الوزارة، وبعد الاطلاع والدراسة من قبل المختصين بالوزارة لملف التأهيل المقدم من قبلكم نفيدكم أنه لا مانع من تأهيل المؤسسة لتوريد منتجات اكسسوارات وملحقات الأبواب من (الكوالين، المسكات، الصدادات، والمفصلات فقط) لمدة عامين من تاريخه على أن يتم التقديم من خلال المقاولين والمطورين المنفذين للمشاريع مع الالتزام بما يلي عند كل تقديم:

١. الكتالوجات الفنية للشركة توضح تفاصيل المنتج الفني المحدد عند الطلب.

٢. المواصفات الفنية للمواد المطلوب توريدها (data sheets).

٣. شهادة ضمان للمواد الموردة لمدة لا تقل عن ١٠ سنوات وحسب متطلبات العقد.

علماً بأن هذا الاعتماد لا يلزم الوزارة بأي منتجات لا تتوافق مع متطلبات المشاريع التابعة لها.

وتقبلوا خالص تحياتي وتقديري

وكيل الوزارة للأراضي والشؤون الفنية

د. حسن بن شوقي الحازمي

١



中经认证

No: 04417Q11823R1S

QUALITY MANAGEMENT SYSTEM CERTIFICATION

Certificate

This is to certify the quality management system of

WENZHOU AKADA FOREIGN TRADE CO., LTD.

CREDIBILITY CODE: 91330302695299474C

REG.ADD: EAST, ROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD, WENZHOU CITY

AUDIT ADD: EAST, ROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD, WENZHOU CITY, ZHEJIANG

is in conformity with

GB/T 19001-2016/ISO 9001:2015 standard

The certificate is valid for the following scope:

**HARDWARE (LOCKSET, SANITARY FITTINGS, FURNITURE HANDLE),
GLASSES AND ACCESSORIES EXPORT TRADE SERVICE**

Issue Date: Aug 8th, 2017

Expiry Date: Aug 8th, 2020



Beijing Zhongjing Quality Certification Co., Ltd. General Manager:



WeChat



Query

To verify validity of the certificate:

1. Please scan two-dimensional code on the left
2. Access the website www.zjqc.com
3. Access the website of CNCA www.cnca.gov.cn
4. The Certificate is valid ONLY if the organization pass the surveillance audit

Date: Aug 8th, 2017



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C044-M

ANSI Mortise Lock



CERTIFICATE OF COMPLIANCE

Certificate Number 20171212-R39015
Report Reference R39015-20171212
Issue Date 2017-DECEMBER-12

Issued to: JIANGMEN CAMAX HARDWARE CO LTD
BAISHI SHACHONGWEI INDUSTRIAL PARK
NO.173
JIAN SHE SAN RD
JIANMEN
GUANGDONG 529000 CHINA

This is to certify that representative samples of SINGLE-POINT LOCKS AND LATCHES
Series CML800 single point lock of the mortise type. These locksets are provided with a 3/4 in. (19 mm) latch bolt throw.

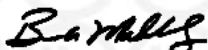
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 10C, Positive Pressure of Fire Tests of Door Assemblies
CAN/ULC-S104, Standard Method for Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





AKADA®

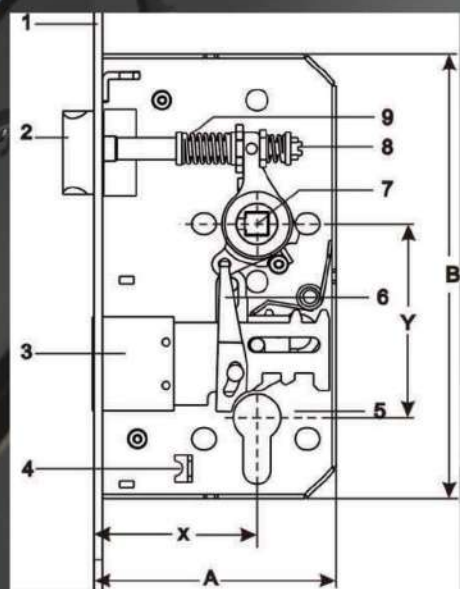
LOCKING SYSTEMS



**240minutes
Fire-rated**



EN12209



1. Forend

2. Latch

3. Dead bolt

4. Screw channel for cylinder

5. Lock case

6. Action-arm

7. Follower

8. Turning device

9. Spring

X. Backset

Y. Distance

A. Lock case width

B. Lock case height

L. Forend length

F. Forend width

The hinges in this catalogue are divided into the following groups:

Butt hinges
For interior doors
Spring hinges for interior doors
Double action spring hinges for interior doors
Concealed mortise hinges

The section frame and wing parts contains individual components of door hinges, where only the combination thereof make up a complete door hinge. 2-piece and 3-piece frame and wing parts can be combined into door hinges for steel and for wooden frames. Butt hinges are screwed onto the frame or door panel which have been mortised, or screwed to the door construction.

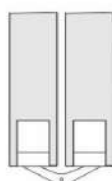
Installation situation

The installation situation of a door includes the door rebate, the frame material, the type of frame as well as the opening direction of the door.

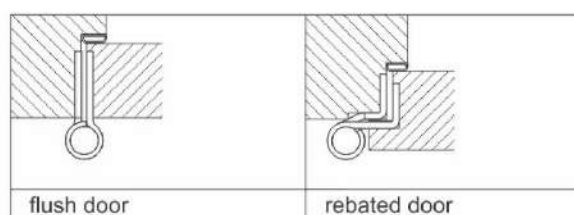
The difference between flush and rebated doors is explained in the following illustrations.



Butt hinge



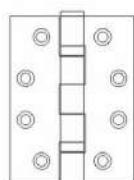
Concealed mortise hinge



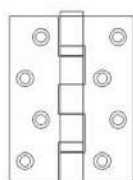
flush door

rebated door

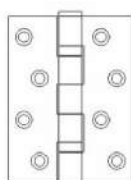
Hole Options:



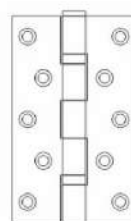
Template



Zig-Zag
(Right)



Zig-Zag
(Left)



Zig-Zag
(Symmetrical)

PIN Options:



Fixed Pin
(FP)



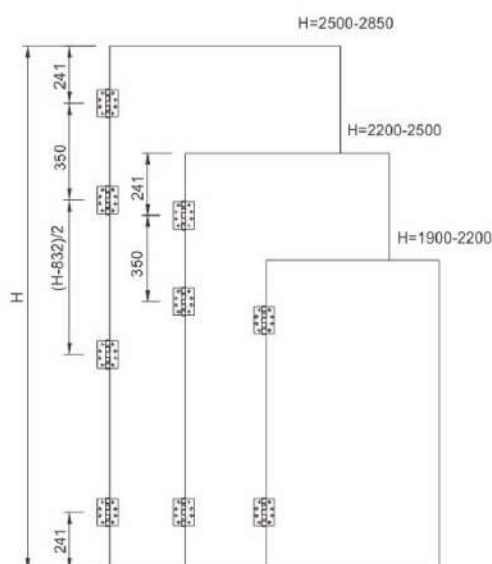
Loose Pin
(LP)



Loose Non-rising Pin
(LNP)



Non Removable Pin
(NRP)



recommendation: 3 pieces per door

2.0mm hinge: 25~40kgs per door
2.5mm hinge: 40~60kgs per door
3.0mm hinge: 60~80kgs per door
3.5mm hinge: 80~120kgs per door
4.0mm hinge: 120~150kgs per door



EC CERTIFICATE OF CONFORMITY

Number: 1121 - CPD – AG5046

In compliance with Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it is confirmed that the following products are subject to factory production control procedures and are submitted by the manufacturer to further testing of samples taken at the factory in accordance with a prescribed test plan. The stated Notified Certification Body has performed the initial type-testing for the relevant characteristics of the product, has conducted the initial inspection of the factory and the factory production control, and is responsible for the continuous surveillance, assessment and approval of the factory production control.

construction product : **Mortice Sashlocks A72Z-40, A72Z-45, A72Z-50, A72Z-55, A72Z-60
A72Z-65, A72Z-70 & A72Z-80**

placed on the market by:
Company: **WENZHOU AKADA FOREIGN TRADE CO; LTD.**
Address: **13/F, NO.2 Longfang Road, Longfang Industrial Zone, Wenzhou, 325000, China**

product classification:

3	X	8	1*	0	G	3	B	C	2	0
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intended use: **For use on fire / smoke compartmentation doors**

particular conditions applicable: **Available with square or radius forends in SSS, PB, AB, AC & PVD finishes**

This document certifies that all the provisions concerning the attestation of conformity and product performance described in Annex ZA of the product standard

EN 12209:2003

were applied and that the product fulfils all the prescribed requirements.

Notified Certification Body: **Warrington Certification Ltd**

EC Reference Number: **1121**

On the basis of this certificate, the manufacturer declares that the product that is placed on to the market will bear the mark illustrated below indicating its conformity with all the relevant conditions related to its supply under this certification.

This certificate was first issued on **03/04/13** and remains valid as long as the conditions laid down in the harmonised technical specification above, or the product design, or the manufacturing conditions in the factory, or the FPC itself are not modified significantly.



Manager – Warrington Certification Ltd.

References:

Mechanical test evidence: WIL 323441 & 322574
Factory references: J/024

Fire test evidence: WF No. 324016
Classification report: N/a

* The referenced reports detail the precise field of application for fire/smoke door use

Test Verification of Conformity

In the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with them.

Applicant Name & Address:	WENZHOU AKADA FOREIGN TRADE CO., LTD. EAST, ROOM 2001, BUILDING 5, DAZIRANJIAYUAN, TANGJIAQIAO ROAD, WENZHOU CITY, CHINA
Product Description:	Hinge
Ratings & Principle Characteristics:	Grade 2 (2,500,000 cycles)
Models:	AKBH-4.5*4*3.4
Relevant Standards	ANSI/BHMA A156.1:2016 American National Standard for Butts and Hinge
Verification Issuing Office:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. No. 9 Nan Xiang San Road, GETDD, Guangzhou, China.
Date of Tests:	February 22, 2017 to June 19, 2017
Test Report Number(s):	170804004GZU-001

Signature

Name: Jeff Deng
Position: Assistant manager
Issuing Office: Building & Construction
Date: 10/08/2017



This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



Jingle Jin
WENZHOU AKADA FOREIGN TRADE CO., LTD
EASTROOM 2001, BUILDING 5, DAZIRANJIAY
WENZHOU ZHEJIANG CHINA

Date: 2019/08/05
Subscriber: 2175212
PartySite:
File No:
Order No: 12967667
Project Number: 19OR12967667
PD No: 19042153
PO Number:

Subject: Multiple Listing Correlation Sheet

Dear Jingle Jin,

Enclosed is a copy of your completed Multiple Listing Correlation Sheet covering the Basic File listed below. The following documents were added (new) or revised on 08/05/2019.

<u>Basic File</u>	<u>Vol</u>	<u>ML File</u>	<u>Pages</u>	<u>Revised</u>	<u>New</u>
R27486	1	R39885	ML Cert of Compliance		

Please review this material and report any inaccuracies to HUI-XIA ZHANG (EXT. 6632) referring to the above Order number.

This material is provided on behalf of UL LLC(UL) or any authorized licensee of UL.

NWT File

CERTIFICATE OF COMPLIANCE

Certificate Number 20190805-R39885
Report Reference R39885-20190507
Issue Date 2019-AUGUST-05

Issued to: WENZHOU AKADA FOREIGN TRADE CO., LTD
EASTROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD
WENZHOU, ZHEJIANG CHINA

**This certificate confirms that
representative samples of**

Door Hinges
See addendum page for models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

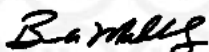
Standard(s) for Safety:
Additional Information:

UL 10C, Positive Pressure Fire Tests of Door Assemblies
See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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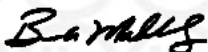


CERTIFICATE OF COMPLIANCE

Certificate Number 20190805-R39885
Report Reference R39885-20190507
Issue Date 2019-AUGUST-05

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

SS-04-4.5x4.0x3.0, SS-04-4.5x4.0x3.4, SS-04-4.5x4.5x3.0, SS-04-4.5x4.5x3.4, SS-04-4.0x3.0x3.0, SS-04-4.0x3.5x3.0, SS-04-4.0x4.0x3.0, SS-04-4.5x4.0x4.6, SS-04-4.5x4.5x4.6, SS-04-5x4.0x3.4, SS-04-5x4.5x3.4, SS-04-5.0x4.0x4.6, SS-04-5.0x4.5x4.6, SS-04-5.0x5.0x4.6, SS-04-5.0x3.5x3.0, SS-04-5.0x3.0x3.0, SS-04-5.0x4.0x3.0



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF APPROVAL

No CF 5885

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Room 2001 Building B5, Daziran,
No, 103 Shifu Road, Wenzhou
CHINA

Phone: +86 577 2880 7086

Email: frankchen3099@akada.com.cn

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

Bearing Stainless Steel Hinges

TECHNICAL SCHEDULE

**TS24 The Contribution of
Single Axis Hinges to the Fire
Resistance of Door Assemblies**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued:
Audit Test Frequency:
Valid to:

28th July 2020
Annually
27th July 2025





CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

1. This approval relates to the use of the following specific Wenzhou Akada stainless steel ball bearing, single axis hinges:

Model Number	Size (W x H x T)
AKBH4.543	102 x 114 x 3mm
AKBH533	76 x 127 x 3mm
AKBH533.5	76 x 127 x 3.5mm
AKBH4.543.5	102 x 114 x 3.5mm
AKBH433	76 x 102 x 3mm
AKBH43.53	89 x 102 x 3mm
AKBH443	102 x 102 x 3mm

2. This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

3. This approval relates to their use with the following door assemblies:-

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (Code ITT).

Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).

4. This approval relates to the use of the above single axis hinges in contributing to the fire resistance performance of timber based doorsets and metallic based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.

5. The hinges are approved on the basis of:

- i) Initial type testing to EN1935 and EN 1634-1
- ii) An appraisal against TS24
- iii) Certification of quality management system.
- iv) Inspection and surveillance of factory production control
- v) On-going audit testing in accordance with TS24 requirements

Signed
J/142

Page 2 of 7

Issued: 28th July 2020
Valid to: 27th July 2025



CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

6. The door assembly shall be a CERTIFIRE approved product or have achieved the appropriate fire resistance performance when tested at a UKAS accredited laboratory in accordance with BS 476: Part 22: 1987 and/or BS EN 1634:1 with hinges of a similar size.
7. The hinges should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987), the critical aspects of the doorset construction are considered to be the material of the door frame, the leaf to frame clearance gaps and the lipping material. Attention should be paid to these details and these should not be amended from that previously fire tested. The following minimum specification shall be followed:
- a. 30 and 60 minute timber and mineral-based assemblies (ITT):
 - i) Door frame density - 460 kg/m³ (30 minutes), 640 kg/m³ (60 minutes)
 - ii) Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications.
 - iii) Lipping density - 640 kg/m³.
 - iv) For ITT 20 and 30 applications, a maximum of 42 mm blade width shall be recessed into the door edge/frame rebate.
 - b. Steel-based assemblies (MM/IMM)
 - i) Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.

Signed
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Issued: 28th July 2020
Valid to: 27th July 2025



CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

8. For 90 minute and 120 minute timber and mineral-based assemblies (ITT), Wenzhou Akada hinges shall only be fitted to doorsets which have previously been tested with hinges of a similar size, subject to the following requirements:
- i) The required intumescent protection shall be as tested by the chosen door manufacturer. In all cases this shall be a minimum of a 2 mm thick 'Interdens' or graphite based intumescent sheet material incorporated beneath each hinge blade, however, this protection shall be increased as required based on the chosen doorset manufacturers test data.
 - ii) Where the perimeter intumescent fire seal tested within the chosen doorset by-passes the hinge, this detail shall be maintained.
 - iii) The critical dimensions of the Wenzhou Akada hinge to be used shall be based on the size of the hinge tested originally by the chosen doorset manufacturer, with the following tolerance:

Hinge specification of chosen doorset	
Component/dimension	Tolerance/Rule
Hinge blade	
Width	+0/-5% of tested hinge
Height	+/-10% of tested hinge
Thickness	+/-15% of tested hinge
Knuckle	
Diameter	Minimum 13 mm
Fixings	
Quantity	Maximum 4No. fixings tested
Size	4.5 mm dia. Minimum
Length	No shorter than that tested
Position (width)	+/-10% from the positions of the fixings in the tested hinge when measured with respect to the centre lines of the blade

Note: Where the Wenzhou Akada hinge does not comply with the parameters identified above it shall not be used in conjunction with the chosen 90 minute and 120 minute timber and mineral-based assemblies (ITT).

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Valid to: 27th July 2025



CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

9. When fitted to insulated timber or mineral door assemblies, the required additional intumescent protection will be as follows:
- i) The required protection for 30 minute ITT applications will be 1 mm thickness of mono ammonium phosphate or graphite-based intumescent sheet material (see 'Scope of Approval' below) behind both blades.
 - ii) The required protection for 60 minute ITT applications will be 2 mm thickness of mono ammonium phosphate or graphite-based intumescent sheet material (see 'Scope of Approval' below) behind both blades. Additionally a minimum of 4 mm of perimeter intumescent fire seal shall by-pass the hinge blades.
 - iii) The required intumescent protection for 90 and 120 minute ITT applications shall be as tested by the chosen door manufacturer. In all cases this shall be a minimum of a 2 mm thick mono ammonium phosphate tested, or graphite based intumescent sheet material (see 'Scope of Approval' below) incorporated beneath each hinge blade, however, this protection shall be increased as required based on the chosen doorset manufacturers test data.

Failure to install the protection will invalidate this certificate

10. The hinges may only be fitted in the manner described in this certificate and subject to any limitations on the inclusion of hinges specified for the door leaf. This approval is applicable only to the specified hinges used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and when using appropriate intumescent protection.
11. Regard should be paid to the maximum door mass permitted to be used with the hinge (see classification).
12. For ITT timber and mineral-based doorsets the hinges shall only be fitted using the fixings supplied by the hinge manufacturer.
13. The ITT doorsets shall be installed in accordance with BS 8214.
14. The approval relates to ongoing production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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Issued: 28th July 2020
Valid to: 27th July 2025



CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

15. The following table show acceptable doorset types and fire resistance periods:

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	✓	✓	✓	✗	✗
FD30	✓	✓	✓	✗	✗
FD60	✓	✓	✓	✗	✗
FD90	✓	✓	✓	✗	✗
FD120	✓	✓	✓	✗	✗
FD240	✓	✓	✗	✗	✗
E 20	✓	✓	✓	✗	✗
EI 20	✓	✓	✓	✗	✗
E 30	✓	✓	✓	✗	✗
EI 30	✓	✓	✓	✗	✗
E 60	✓	✓	✓	✗	✗
EI 60	✓	✓	✓	✗	✗
E 90	✓	✓	✓	✗	✗
EI 90	✓	✓	✓	✗	✗
E 120	✓	✓	✓	✗	✗
EI 120	✓	✓	✓	✗	✗
E 240	✓	✓	✗	✗	✗
EI 240	✓	✓	✗	✗	✗

Key:

- ✓ - approved
- ✗ - Not approved

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J/142

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Issued: 28th July 2020
Valid to: 27th July 2025



CERTIFICATE No CF 5885

WENZHOU AKADA FOREIGN TRADE CO. LTD.

Wenzhou Akada Ball Bearing Stainless Steel Hinges

16. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Scope of Approval:

- The hinges may not be fitted to timber doorsets without perimeter intumescent fire seals within the frame rebate or edge of the door leaf.
- Where graphite based intumescent sheet material is to be used in lieu of the mono ammonium phosphate tested, the proposed graphite-based intumescent sheet material, shall have suitable test evidence in the required thickness or less, with timber/mineral-based doorset of the required classification period, in with steel hinges of a minimum size of 100 mm x 75 mm.

Classification codes

The approval provides the following classifications for the full range:

4	7	6	1	1	4	0	13
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Further Information

Further information regarding the details contained in this certificate may be obtained from Wenzhou Akada Foreign Trade Co. Ltd. (Tel: (+86 577 2880 7086)).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

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J/142

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Issued: 28th July 2020
Valid to: 27th July 2025

CERTIFICATE OF COMPLIANCE

Certificate Number 20180914-R39628
Report Reference R39628-20180906
Issue Date 2018-SEPTEMBER-14

Issued to: WENZHOU AKADA FOREIGN TRADE CO., LTD
EASTROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD
WENZHOU, ZHEJIANG CHINA

This is to certify that Swinging Fire Door Closers
representative samples of See Addendum page

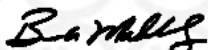
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 228-Door Closers-Holders, With or Without Integral
Smoke Detectors

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

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Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number 20180914-R39628
Report Reference R39628-20180906
Issue Date 2018-SEPTEMBER-14

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

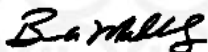
Models/Product

For self-closing doors, surface mounted type, size 4- KC1032.

For self-closing doors, surface mounted type, size 2- KC1001

For self-closing doors, surface mounted type, without hold-open feature, size 2-5- KC1005, KC1003

For self-closing doors, surface mounted type, without hold-open feature, size 1-6: KC1039 CW, KC1039 BW, KC1039 CWS, KC1039 BWS, KC1007



Bruce Mahrenholz, Director North American Certification Program

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FUOR.R39628 - Door Closers

Note: We are enhancing our systems and you may notice duplicate entries/missing/outdated data. During this interim period, please contact our Customer Service at <https://www.ul.com/about/locations>.

Door Closers

WENZHOU AKADA FOREIGN TRADE CO., LTD

R39628

EASTROOM 2001, BUILDING 5, DAZIRANJIAYUAN, TANGJIAQIAO ROAD
WENZHOU, ZHEJIANG China

PT 1 grade 1 surface mounted door closers, Model(s): KC1400, KC1800, KC1900

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شهادة تسجيل علامة تجارية

الفئة: 6 تاريخ التسجيل: 1437/05/07

بداية الحماية: 1437/01/30

نهاية الحماية: 1447/01/29

رقم الأولوية:

تاريخ الأولوية:

بلد الأولوية:

وصف العلامة: مربع باطار اسود بداخله كلمة اكادا بحروف لاتينية باللون الابيض ومحددة باللون الرمادي

الإشتراطات:

إسم المالك: فرع مؤسسة/اكادا للتجارة

العنوان: الرياض-الفيصلية

الجنسية: المملكة العربية السعودية

المنتجات أو الخدمات: أعمدة معدنية للإعلات، قنوات معدنية لمنشآت التهوية والتكييف، سبائك من معادن غير نفيسة، ألومنيوم ، رقائق الألومنيوم، أسلاك الألومنيوم ، ألواح تثبيت ، مراسي، حديد زاوي، أقفاص معدنية للحيوانات البرية، مصاد للحيوانات البرية، معادن مقاومة للاحتكاك، سندان، سندان، سندان [محمولة]، تعريشات [تراكيب معدنية]، لوح تدريع، ألواح درعية، أقفاص معدنية للطيور [تراكيب]، شارات معدنية للمركبات، كرات فولاذية، أشرطة معدنية لأغراض الربط، أسلاك شائكة، أطواق معدنية للبراميل، براميل معدنية، حواجز اصطدام معدنية للطرق ، قضبان معدنية للسكك الحديدية، قضبان مزلاجة معدنية ، سلال معدنية، أحواض ماء للطيور [تراكيب معدنية]، منارات معدنية غير مضينة، طرف السندان المحدد، دواليب معدنية للأسرة، تراكيب معدنية للأسرة، أجراس، أجراس للحيوانات ، مشدات معدنية للسيور، أحزمة معدنية لربط الأمتعة، نضد معدنية للملازم، بريلوم [جلوسينيوم]، منشآت معدنية لإيقاف الدراجات، براغي ربط معدنية للكبلات، خيوط ربط معدنية للأغراض الزراعية، أربطة معدنية، صناديق معدنية، أحواض ماء للطيور [تراكيب معدنية]، أجهزة معدنية لإبعاد العصافير تعمل بفعل الرياح ، نورات [فلزات]، سلام معدنية متحركة للمسافرين، ألواح بناء معدنية، مسامير ملولبة معدنية للأبواب ، مسامير ملولبة، مسطحة، مزليج، مسامير ملولبة معدنية، أغطية معدنية للقوارير، أدوات إغلاق معدنية للقوارير، مرابط معدنية للقوارير، قوارير [أوعية معدنية] للهواء القاذي أو السائل المضغوط، مرابط معدنية للصناديق، صناديق من معادن غير نفيسة، صناديق حفظ ورق النقد، أساور معدنية لتحسين التهوية في المستشفيات، أحزمة معدنية لربط الأمتعة، دعائم قوسية معدنية للبناء، مسامير صغيرة الرأس، مواسير متفرعة معدنية، نحاس أصفر غير مشغول أو نصف مشغول ، سبائك تنحيس، قضبان معدنية للتنحيس، برونز، برونز لشواهد القبور، برونز [لأشغال الفنية]، مقابض معدنية للمكاس، أباتيم من معادن غير نفيسة [خردوات]، ألواح بناء معدنية، هيكل بناء معدنية.

مدير عام إدارة العلامات التجارية

الإسم: حمد محمد العريشي

التوقيع:



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WENZHOU AKADA FOREIGN TRADE CO., LTD

TEST REPORT

SCOPE OF WORKs

< Performance Test – Pull Handle – HA65-1043, H-850 and 20 family models>

REPORT NUMBER

210518161GZU-001

ISSUE DATE

2021-07-01

[REVISED DATE]

/

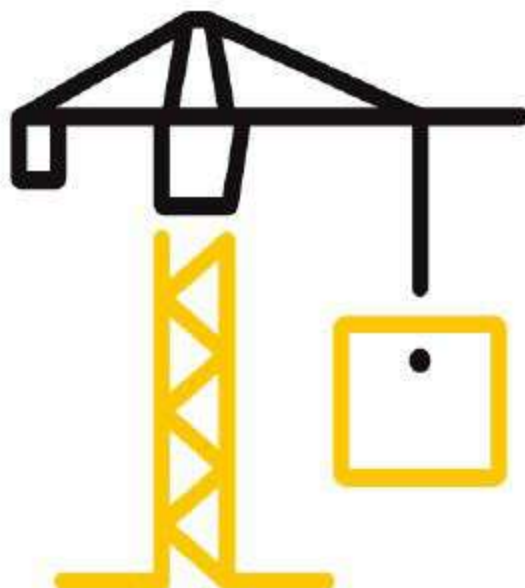
PAGES

18

DOCUMENT CONTROL NUMBER

TTRF_BS 8424:2004_a

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Test Report

Report Number: 210518161GZU-003

Report Date: 2021-08-20

Applicant:

WENZHOU AKADA FOREIGN TRADE CO., LTD

Applicant Address:

EAST, ROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD, WENZHOU, CHINA

Sample information

Product:

Lever handle

Trade Mark:

/

Model and/or type reference:

9702H9576, 6092H6751 and 84 family models

Manufacturer:

/

Manufacturer Address:

/

Sample ID:

5210518161 -013~018 & 5210706048 -004~009

Date of receipt of test item:

2021-05-18 & 2021-07-25

Situation of receipt samples:

Received in good condition

Date (s) of performance of tests:

2021-05-26 ~ 2021-07-22

Testing information

Standard:

EN 1906:2012

Rating(s):

1	6	—	0	0	0	0	A
---	---	---	---	---	---	---	---

Classification of installation and use:

Intend use in residential, medium frequency used doors.

Testing Laboratory name:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address:

Room 4103 & 4203, No. 63, Punan Road, Huangpu District,
Guangzhou, China.

Possible Test Case Verdicts

Test Case does not apply to the Test object:

N/A

Test object does meet the requirement:

P (Pass)

Test object does not meet the requirement:

F (Fail)

Conclusion:

The submitted samples COMPLIED with all applicable clauses of EN 1906:2012 for the ratings. Items 9702H9576 and 6092H6751 were compliant after retest with second time received samples.



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WENZHOU AKADA FOREIGN TRADE CO., LTD

TEST REPORT

SCOPE OF WORKs

< Performance test — Lever handle — 9702H9576, 6092H6751 and 84 family models>

REPORT NUMBER

210518161GZU-003

ISSUE DATE

2021-08-20

[REVISED DATE]

/

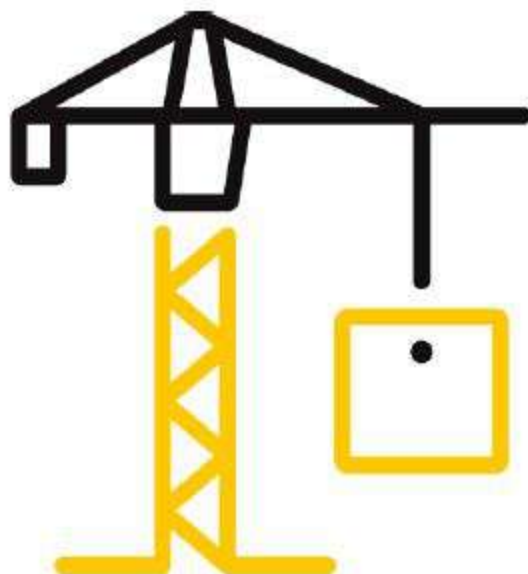
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DOCUMENT CONTROL NUMBER

TTRF_EN 1906:2012_e

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Test Report

Report Number: 210518161GZU-001

Report Date: 2021-07-01

Applicant:

WENZHOU AKADA FOREIGN TRADE CO., LTD

Applicant Address:

EAST, ROOM 2001, BUILDING 5, DAZIRANJIAYUAN,
TANGJIAQIAO ROAD, WENZHOU, CHINA

Sample information

Product: Pull Handle

Trade Mark: /

Model and/or type reference: HA65-1043, H-850 and 20 family models

Manufacturer: /

Manufacturer Address: /

Sample ID: S210518161GZU 001~006

Date of receipt of test item: 2021-05-18

Situation of receipt samples: Received in good condition

Date (s) of performance of tests: 2021-06-03~2021-06-11

Testing information

Standard: BS 8424:2004

Rating(s):

1	2	—	0	1	0
---	---	---	---	---	---

Classification of installation and use: Light duty

Testing Laboratory name: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address: Room 4103 & 4203, No. 63, Punan Road, Huangpu District,
Guangzhou, Guangdong Province, China.

Possible Test Case Verdicts

Test Case does not apply to the Test object: N/A

Test object does meet the requirement: P (Pass)

Test object does not meet the requirement: F (Fail)

Conclusion:

The submitted samples COMPLIED WITH all applicable mechanical performance requirements of BS 8424:2004 for ratings.



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