



中国认可
国际互认
检测
TESTING
CNAS L1061



170908000850



No. ETC17F320045

Special Equipment Type-Tests Report (Lifts)

Classification Safety protection devices of elevator

Varieties safety gear

Product Name Home lifts safety gear

Product Model IN-3000

Manufacturer Dynatech, Dynamics & Technology

Applicant Suarcom Luoyang Electronics Co., Ltd

Category of test First Test

Test Date 2017.06.16

Shanghai Jiao Tong University
Elevator Test Center





NOTICE

1. The report is the result of the type test according to the 'Regulation for type test of elevators' (TSG T7007-2016).
2. The report is printed by computer and will be invalid with any modification.
3. The report will be invalid without the signature of approve、 verify and compile person .It will also be invalid without the certification number、the official and cross-page stamp of the testing unit.
4. In the entrusted test, we are only responsible for the sample.
5. It is forbidden to copy the report partly without the permission of the testing unit. The partly copied report will be invalid.
6. Any dissent to the report must be put forward to the testing unit within 15 working days from receiving it, otherwise, it is considered that you have accepted the report.
7. The sample will not be handed back because of normal wear, the others will be dealt with according to the regulation concerned.
8. One of the quadruplicated reports is saved by the testing unit,the other three are saved by the applicant.
9. Information for contacting to the testing unit:
Shanghai Jiao Tong University Elevator Test Center
Room 210, No. B of Advanced manufacture Building, School of
Mechanical Engineering, No.800 of Dongchuan Road, Shanghai, P.R.
China
Tel: 86-21-34207035/34207036
Fax: 86-21-34207035/34207036-814



SJTUETC

Type Tests Report

No: ETC17F320045

page 1 of 4

Classification	Safety protection devices of elevator	Varieties	safety gear
Product Name	Home lifts safety gear		
Product model	IN-3000		
Product Number	/	Date of manufacturing	2017.04
Applicable product models	/		
Applicant	Suarcom Luoyang Electronics Co., Ltd		
Registered address of Applicant	Luoyang High Technology Zone, HeLuo ST. 60#, Luoyang, Henan, China		
Manufacturer	Dynatech, Dynamics & Technology		
Registered address of Manufacturer	/		
Manufacturing Address	Poligono Ind. De Pina de Ebro. 50750 Pina de Ebro (Zaragoza)		
Location of test	Shanghai Jiao Tong University Elevator Test Center.		
Status of sample	OK	Test date	2017.06.16
Test Conditions	OK	Category of test	First Test
Codes or rules compliant	(TSG T7007-2016)、GB7588-2003+XG1-2015、EN 81-20: 2014、EN 81-50:2014、GB 21240-2007		
Test Conclusion	Passed The Instantaneously safety gear is acceptable for allowable total load (P+Q) $\leq 2336\text{kg}$, rated speed $\leq 0.4\text{m/s}$, Max governor operating speed $\leq 0.65\text{m/s}$ of elevators.		
Experimenter: <u>王超杰</u>	Date: 2017-07-17	Approved Certificate serial number: TS7610022-2021 Shanghai Jiao Tong University Elevator Test Center Date of issue: 2017.07.17	
Verifier: <u>李伟</u>	Date: 2017.07.17		
Approver: <u>张刚</u>	Date: 2017-07-17		

**I. Main technical parameters and configurations**

Main technical parameters	Safety gear model	Instantaneously	Explosion-proof type	/
	Max permitted total quality (P+Q)	1855kg	Max rated speed of elevator	0.4m/s
	Max governor operating speed	0.65m/s	Working environment	Indoor
	Geometric measurement of Instantaneously safety gear		90×40×115 (mm)	
	Gripping element Structural Shape	Single roller	Gripping element material	Roller: F125
				wedge: /
	Gripping element quantities	Roller: 2	Measurement of gripping element	roller:15.5mm
		wedge: /		wedge: / mm
Guide rail hardness	110~143HBW	Width of applied guide rail	9mm	
Guide rail material	Q235	Guide rail lubricating situation	lubricating oil	
Test parameters	Test guide rail type	T82	Width of test guide rail	9mm

II. Reviews for technical documents of the sample

No	Item Number	Review Item	Result	Conclusion
1	M5.1	Qualification certificate and instruction manual	pass	Qualified
2	M5.2.1	Acceptable for allowable total load and rated speed of elevator	pass	Qualified
3	M5.2.3	Parameters of acceptable guide rail	pass	Qualified
4	M5.3	Relevant technical information: (1)Drawing (2)Calculation of the Instantaneously safety gear is acceptable for allowable total load (3) Documentation of guide rail material (4) Antirust cleaning methods of test guide	pass	Qualified
5	M5.3	(5)Information of special working environment (outside, Explosion-proof)	/	/
6	-	Other necessary information	/	/

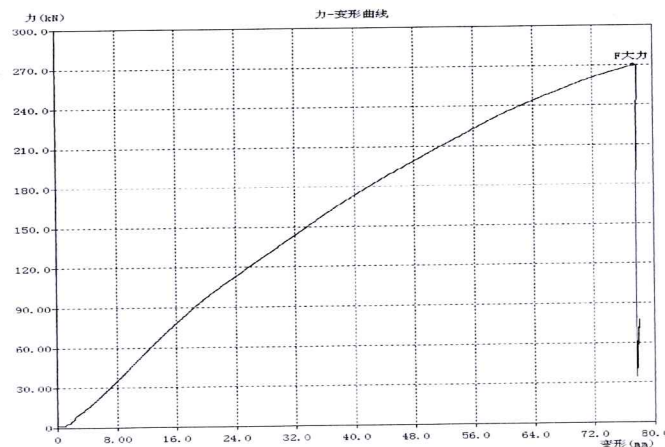
III. Examines and tests of the sample

No.	Item Number	Review Item	Result	Conclusion
1	M6.2.1.2	Checking the deformation of the block and gripping elements	Pass	Qualified
		Absorbed energy	12178J	Qualified
2	M6.2.1.2	There is no permanent deformation, safety Coefficient is 2, Calculated by allowable total load(kg)	/	/
		If permanent deformation or rupture has occurred , the area up to the value at which the elastic limit has been reached, safety Coefficient is 2 ,Calculated by allowable total load(kg)	/	/
		If permanent deformation or rupture has occurred, the area up to the value corresponding to the maximum force, safety Coefficient is 3.5, Calculated by allowable total load(kg)	2336kg	Qualified
3	M6.2.3	If too great a deformation of the gripping elements in the block or the guide rail might cause difficulty in disengaging the safety gear, the permissible mass shall be reduced	/	/
4	-	Special protective measures when used in outdoor type elevator	Inapplicability	/
5	-	Special protective measures when applied in explosion-proof elevator	Inapplicability	/

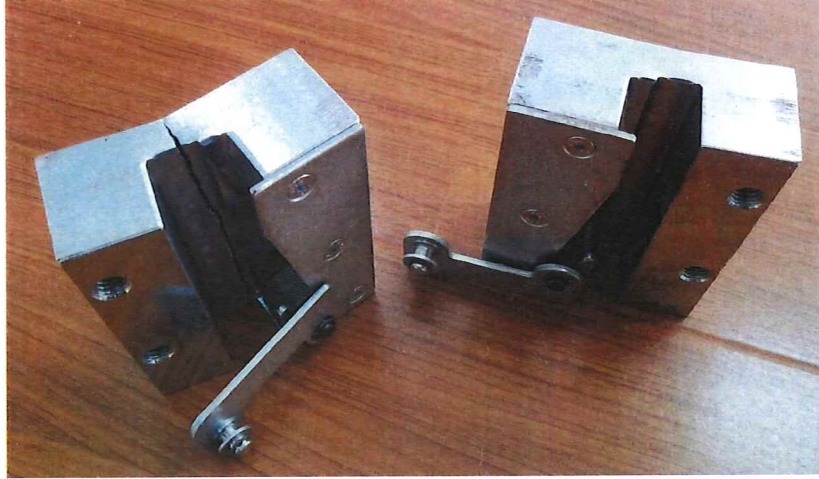
Annex:

1. According to 'Rules for Type Test of Instantaneously safety gear', When calculating 'allowable total load', we take the more favourable calculation to the applicant.

2. Test graph (T82)



3. Photograph of the sample:



4. Type test report modifications:

No





中国认可
国际互认
检测
TESTING
CNAS L1061



170908000850



Type Tests Certificate for Special Equipment (Lifts)

No. TSX F32002220170045

Applicant: Suarcom Luoyang Electronics Co., Ltd

Registered address of Applicant: Luoyang High Technology Zone, HeLuo ST. 60#, Luoyang, Henan, China

Manufacturer: Dynatech, Dynamics & Technology

Manufacturing Address : Poligono Ind. De Pina de Ebro. 50750 Pina de Ebro (Zaragoza)

Classification: Safety protection devices of elevator

Varieties: Safety gear

product name: Home lifts safety gear

Product model: IN-3000

Type test report number: ETC17F320045

This product meets the requirements of Regulation for Type Test of Lifts:
(TSG T7007-2016)、GB7588-2003+XG1-2015、
EN 81-20: 2014、EN 81-50:2014、GB 21240-2007

Product models covered by this certificate: IN-3000

For product parameters and configuration covered by this certificate, see the table attached.



Date of issue: 2017.07.17

Expiry date: 2019.07.17

Shanghai Jiao Tong University Elevator Test Center

Note:

1. The applicant is responsible for confirming that the products comply with the regulation and related standard specifications and are in accordance with the sample for type test.
2. The certificate is valid before the expiry date.
3. Period of validity of the certificate is always calculated from the date of issue even if the certificate is modified per request.

Product Parameters and Configurations Table

Safety gear model	Instantaneously	Explosion-proof type	/
Max permitted total quality (P+Q)	1855kg	Max rated speed of elevator	0.4m/s
Max governor operating speed	0.65m/s	Working environment	Indoor
Geometric measurement of Instantaneously safety gear		90×40×115 (mm)	
Gripping element Structural Shape	Single roller	Gripping element material	roller:F-125
			wedge: /
Gripping element quantities	roller: 2	Measurement of gripping element	roller:15.5mm
	wedge: /		wedge: / mm
Guide rail hardness	110~143HBW	Width of applied guide rail	9mm
Guide rail material	Q235	Guide rail lubricating situation	lubricating oil

Notes to table attached:

1. Whenever any parameter or configuration listed in the attached table varies, this certificate is void and the type test must be redone again accordingly.



中国认可
国际互认
检测
TESTING
CNAS L1061



170908000850



特种设备型式试验证书 (电梯)

证书编号: TSX F32002220170045

申请单位名称: 苏尔克姆(洛阳)电子有限公司

申请单位注册地址: 河南省洛阳高新区辛店镇白营村爱民路

制造单位名称: Dynatech, Dynamics & Technology

制造地址: Poligono Ind. De Pina de Ebro. 50750 Pina de Ebro (Zaragoza)

设备类别: 电梯安全保护装置

设备品种: 安全钳

产品名称: 家用电梯安全钳

产品型号: IN-3000

型式试验报告编号: ETC17F320045

经型式试验, 确认该样机(样品)符合《电梯型式试验规则》(TSGT7007-2016)、GB7588-2003+XG1-2015、EN81-20: 2014、EN81-50:2014、GB21240-2007 规定。

本证书适用的产品型号: IN-3000

本证书适用的产品参数范围和配置见附表。



发证日期: 2017年07月17日

下次核查日期: 2019年07月17日前

上海交通大学电梯检测中心

- 注: 1. 申请单位有责任保证产品符合安全技术规范及相关标准的规定, 以及与型式试验样机(样品)的一致性。
2. 本证书不适用于下次核查日期后制造出厂的部件产品。
3. 本证书如有更改, 证书有效期仍从发证日期起计算。

附表:

附表 No. TSX F32002220170045

共 1 页, 第 1 页

适用参数范围和配置表

安全钳型式	瞬时式	防爆型式	/
允许质量	1855kg	额定速度	0.4m/s
限速器最大动作速度	0.65m/s	工作环境	普通室内
瞬时式安全钳几何尺寸	90×40×115 (mm)		
夹紧(制动)元件型式	单滚柱	夹紧(制动)元件材质	滚柱 F-125 楔块 /
		夹紧(制动)元件数量	滚柱 2个 楔块 /
适用导轨导向面硬度	110~143HBW	适用导轨导向面宽度	9mm
适用导轨材料牌号	Q235	适用导轨导向面润滑状况	油润滑

附表说明:

1. 当附表所列的参数范围和配置发生变更时, 应重新进行型式试验。