



认证
CNAS L0454



2011000708Z



2011000100010134号

Special Equipment Type Test Report

Report No. T3-F35-12-033

Category of Equipment:	Safety Protection Component
Type of Equipment:	Lift Ascending Car Overspeed Protection Means
Name of Product:	Lift Ascending Car Overspeed Protection Means
Model of Product:	DZE
Applicant:	Shenyang Bluelight Drive Technology Co., Ltd.
Manufacturer:	Shenyang Bluelight Drive Technology Co., Ltd.



National Elevator Inspection and Testing Center

NOTICE

1. Each type test certificate issued by National Elevator Inspection and Testing Center (abbreviation NETEC) is corresponding to one type test report. The issue of type test certificate is based on the test conclusions of type test report.
2. Type test report is invalid without stamping the *Test Report Specialized Stamp* or issue date.
3. Type test certificate is invalid without stamping the *Test Report Specialized Stamp* or issue date.
4. Type test report is invalid without signatures of chief test, verification and approval.
5. Type test report or certificate can not be reproduced except in full, without written approval of NETEC.
6. Type test report or certificate including annex is invalid if altered.
7. NETEC is only responsible for the test items and test conclusions of the sample. The test results and test conclusions just indicate sample status at the time of test. Applicant is responsible for the authenticity of the information and technical documents of the sample.
8. Different opinions about type test report or certificate should be reported to NETEC within 15 days since receiving of type test report and certificate. NETEC will refuse after the time.
9. Type test report and certificate are invalid from the issue date. The term of validity is according to *TSG T7001 Rules for Type Test of Elevators(tryout)* promulgated by *General Administration of Quality Supervision Inspection and Quarantine of the People's Republic of China*.
10. It should be subject to the Chinese version, while the English version is for reference only.

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Name of product		Lift ascending car overspeed protection means	
Model of product		DZE	
Type or application		Overspeed governor - brake acting on the traction sheave directly	
Serial No. of sample	1250412	Production date	2012-05
Applicable type of speed monitoring device		Overspeed governor	
Tripping speed range of the speed monitoring device		Standard: 0.59m/s-5.57m/s	
Rated speed range of elevator		0.50m/s-4.00m/s	
Speed range of the braked components when the means acts		1.50m/s-14.39m/s (corresponding tripping speed range of the speed monitoring device)	
System total mass range		1450kg-7800kg	Suspension ratio 2:1
Applicant	Name	Shenyang Shueight Drive Technology Co., Ltd.	
	Address	No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning	
Manufacturer	Name	Shenyang Shueight Drive Technology Co., Ltd.	
	Address	No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning	
Receiving date	/	Sample No.	/
Test date	2012-05-20	Sample state	No abnormal
Test category	Type test	Test item	All application items
Test place	No. 28 Weixin Road, SIP, Suzhou, Jiangsu		
Test condition	Temperature:22℃-28℃, relative humidity: 65%-70%		
Test basis	Rules for Type Test of Elevators (T3000) Rule for Type Test of Lift Ascending Car Overspeed Protection Means (T3001) EN 81-1:1998 Safety Rules for the Construction and Installation of Lifts- Part 1: Electric Lifts		
Test conclusion	The type test is certificated.		
Note	Issued date of the Chinese version: June 20, 2012		

Reported by:  Verified by:  Issued by: 

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SAMPLE'S MAIN TECHNICAL PARAMETERS AND CONFIGURATION

Model and name	DZE Lift ascending car overspeed protection means			
Applicable work environment	Indoor			
Speed monitoring device	Name	Overspeed governor		
	Tripping speed range	Standard: 0.50m/s-5.57m/s		
Speed reducing element	System total mass range	1450kg ~ 7500kg	Car mass range	500kg ~ 3000kg
	Type of the brake components	Traction machine brake	Rated load range	450kg ~ 3000kg
	Balance coefficient range	0.40-0.50	Suspension ratio	2:1
	Speed range of the braked components when the means acts	1.50m/s-14.35m/s(corresponding tripping speed range of the speed monitoring device)		
Steel wire rope brake	Name	/	Installation position	/
	Model	/	Rope number	/
	Model and diameter of the ropes	/		
	Tripping mode	/	Reset mode	/
	Tripping force	/	Tripping travel	/
Safety gears installed on car or counterweight	Name	/	Model	/
	Installation position	/	Tripping mode	/
	Model of applicable guide rails	/	Working face width of guide rails	/
	Surface appearance of guide rails	/	Lubrication appearance of guide rails	/
Brake acting on traction sheave or sheave shaft	Name	Brake	Model	DZE
	Structure type	Two sets, block type	Installation position	Traction machine
	Action position	Traction sheave	Tripping mode	Electrical
	Pitch diameter of traction sheave	450mm	Diameter of brake	520mm
Use of compensation chains or ropes	Compensation chain or rope can be used			
Components used in accordance with GB7588 Annex F3, F4 and F8	Name	Overspeed governor		
	Parameter range	Rated speed: 0.50m/s-4.00m/s		

1 Test items and test results

No.	Item No.	Test items	Test results	Conclusions	
1	1.1	Composing of ascending car overspeed protection means	Overspeed governor-brake	Pass	
2	1.2	Position acted on by the speed reducing element	Traction sheave	Pass	
3	2	Tripping speed of the speed monitoring element	Standard: 0.59m/s-5.57m/s	Pass	
4	3.1	Independency or redundancy of ascending car overspeed protection means	Comply with requirements	Pass	
5	3.2	a. Checking the stopping status	Comply with requirements	Pass	
6		b. The maximum retardation of the empty car during the stopping phase	3.458m/s ²	Pass	
7		c. Checking the working condition of the means after its release	Comply with requirements	Pass	
8		d. Checking after test	Comply with requirements	Pass	
9	4.1	Requirements for the means requiring external energy to operate	Comply with requirements	Pass	
10	4.2	Electric safety device	Comply with requirements	Pass	
11	4.3	The release of the means shall not require the access to the car or counterweight	Comply with requirements	Pass	
12	4.4	Tripping tests for different tripping modes	/	/	
13	4.5	Reset tests for different reset modes	/	/	
14	4.6	Tests of speed reducing element	Tripping force	/	/
15	4.7	Tripped mechanically	Tripping travel	/	/
16	5.1	Special protective measures when the means applies to outdoor elevator	/	/	
17	5.2	Special protective measures when the means applies to explosion-proof elevator	/	/	

2 Ascending car overspeed protection means test data

2.1 The maximum value condition of influential parameters

Product model	DZE		
Rated load	2000kg	System total mass	7800kg(including steel ropes, compensating chains, etc)
Car mass	3000kg	Balancing coefficient	0.50
Rated speed	4.00m/s	Tripping speed	5.57m/s

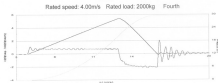
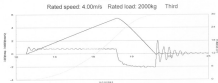
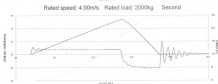
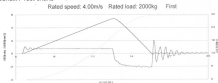
Item Time	Tripping speed m/s	Maximum retardation m/s ²	Brake distance m
1	5.364	2.162	0.794
2	5.349	2.166	0.660
3	5.370	2.175	0.756
4	5.347	2.210	0.660

2.2 The minimum value condition of influential parameters

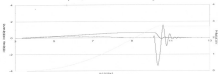
Product model	DZE		
Rated load	450kg	System total mass	1450kg(including steel ropes, compensating chains, etc)
Car mass	500kg	Balancing coefficient	0.40
Rated speed	0.50m/s	Tripping speed	0.58m/s

Item Time	Tripping speed m/s	Maximum retardation m/s ²	Brake distance m
1	0.595	3.374	0.117
2	0.593	3.458	0.100
3	0.592	3.378	0.116
4	0.593	3.202	0.133

Appendix 1 Test charts



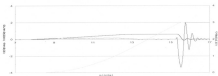
Rated speed: 0.50m/s Rated load: 450kg First



Rated speed: 0.50m/s Rated load: 450kg Second



Rated speed: 0.50m/s Rated load: 450kg Third



Rated speed: 0.50m/s Rated load: 450kg Fourth



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Appendix 2 Sample photo





检测
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2011000708Z



(2017)国认监发字(134)号



Certificate of Type Test for Special Equipment

No. TX F350-003-12 0033

**Applicant's name and
address:**

Shenyang Bluelight Drive Technology Co., Ltd.
No.37 Shiji Road, Hunnan New District, Shenyang,
Liaoning

**Manufacturer's name
and address:**

Shenyang Bluelight Drive Technology Co., Ltd.
No.37 Shiji Road, Hunnan New District, Shenyang,
Liaoning

**Name of product
(Type of equipment):**

Lift ascending car overspeed protection means

Model of product:

DZE

Configuration of product: See annex

Type test report No.:

T3-F35-12-033

This certificate is valid for products of the models and specifications below (without change of the product configuration):

When suspension ratio is 2:1, applicable range is as follow. Speed range of the braked components when the means acts is 1.50m/s~14.35m/s (corresponding rated speed range is 0.50m/s~4.00m/s). Rated load range is 450kg~2000kg. System total mass range is 1450kg~7800kg.

After type test, this product is accord with the Rules of Type Test of Elevators (tyout) and EN 81-1:1998.

Issue date:

Issued date of the Chinese version: June 28, 2012

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National Elevator Inspection and Testing Center

Note:

1. This certificate is to confirm the products on type and the tested sample on conformity, only valid for the products that are in conformance with the tested sample mentioned above.
2. The holder of this certificate has responsibilities to ensure that the products conform to the requirements of the codes and regulations, and to ensure that the products are consistent with the tested sample mentioned above.



Annex

Configuration of Lift Ascending Car Overspeed Protection Means

No. TX F350-003-12 0033

Structure type	Two sets, block type	Applicable environment	Indoor
Tripping mode	Electrical	Installation position	Traction machine
Action position	Traction sheave		

Issue date:

Issued date of the Chinese version: June 28, 2012

