



Industrie Service

EC type-examination certificate

Certificate no.:	OG 004-2006-CHI
Notified body:	TÜV SÜD Industrie Service GmbH Certification Body Lifts and Cranes Westendstraße 199 D-80686 München
Applicant/ Certificate holder:	Ningbo Shenling Lift Accessories Co., Ltd. 195 Nanping Road, Shipu Town, Ningbo, P.R.China
Date of submission:	2006-10-16
Manufacturer:	Ningbo Shenling Lift Accessories Co., Ltd. 195 Nanping Road, Shipu Town, Ningbo, P.R.China
Product, type:	Overspeed governor, XSQ115-13
Test Laboratory:	EMI-TÜV Bayern Kft. Certification Body for lifts and safety components H-2000 Szentendre Dózsa György út 26.
Date and number of test report:	2006-10-23 OG 004-2006-CHI
EC-directive:	95 / 16 / EC
Statement:	The safety component conforms to the directive's safety requirements for the respective scope of application stated in the Annex to this EC type-examination certificate.
Certificate date:	2006-10-23

Certification Body for lifts and safety components
EU-Kennnummer: 0036

P. Tkalec

Authorized Representative: Peter Tkalec





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Place and date of issue: Ningbo, 2006-10-23

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Test report

No. OG 004-2006-CHI

Applicant / Customer:	Ningbo Shenling Lift Accessories Co., Ltd. 195 Nanping Road, Shipu Town, Ningbo, P.R. China
Manufacturer:	Ningbo Shenling Lift Accessories Co., Ltd. 195 Nanping Road, Shipu Town, Ningbo, P.R. China
Testing laboratory:	EMI-TÜV Bayern Kft. TÜV SÜD Gruppe H-2000 Szentendre Dózsa György út 26.
Date and number of submission:	2006-10-09 890608
Sample no.:	06010287
Test object:	Overspeed governor Type XSQ115-13
Testing order:	Verification of an EC type-examination of an overspeed governor tested by Shanghai Jia Tong University according annex V A of directive 95/16/EC
Checking-basics:	<ul style="list-style-type: none">- Directive 95/16/EC of 29th of June 1995- Standard DIN EN 81-1:1998 + AC: 1999
Kind of the examination	<ul style="list-style-type: none">- Examination on correspondence with the checking-basics- Function tests
Place and date of examination	Ningbo, 2006-10-23



1. Tests

1.1 Control of tripping speed and safety switch

The required number of tests with tripping speed according to the standard were carried out by Shanghai Jiao Tong University Elevator Test Center. They have performed 60 tests with different tripping speeds and the overspeed switch in both directions each.

As the applicant intended to extend the range of application concerning the limit below of tripping speed we made 10 tests and some tests to evaluate the values measured by Shanghai Jiao Tong University Elevator Test Center as well as the equipment for adjusting of Ningbo Shenling. No deviations could be stated.

1.2 Control of rope friction force

The force of the spring for producing the rope friction force in both directions was measured by Shanghai Jiao Tong University Elevator Test Center. The values were documented in the Type Test Report of Shanghai Jiao Tong University Elevator Test Center.

2. Control of drawings and other documents

The main dimensions of the tested overspeed governor were compared with the drawings. The instruction manual was checked if the assignments are practicable.

3. Examination result

It can be stated that all the tests and controls have shown that the overspeed governor type XS6 fulfils the requirements of the standard and can be used for the following range of application:

Permissible tripping speed down	0.58 – 3.34 m/s
Permissible rated speed	0.50 – 2.50 m/s
Driving rope	steel wire rope
Rope diameter	6 - 8 mm
Range of adjustment for the tensile force in the rope down	1000 - 2000 N

4. Documents on which the test report is based

- Drawing No. NS115013A001 dated 2005-08-04 with last change dated 2006-04-10
- Drawing XSQ115-13 Overspeed governor for MRL
- Test record: Tripping speed 0.58 – 0.72 m/s dated 2006-10-23
- Speed Governor Instruction Manual XSQ115-13 (5 pages)
- XSQ115-13 Governor Design Verify Calculation (19 pages)
- Certificates and test reports of Shanghai Jiao Tong University Elevator Test Center:
 - Certificate and test report no.: TX F310-026-05 0047 dated 2005-08-29
 - Certificate and test report no.: TX F310-026-05 0048 dated 2005-08-29
 - Certificate and test report no.: TX F310-026-05 0049 dated 2005-08-29

Expert engineer

Mariusz Makovsky



Annex to Certificate No. OG 004-2006-CHI dated 2006-10-23

1. Scope of Application

- | | | |
|-------|--|-----------------|
| 1.1 | Permissible tripping speed down | 0.58 – 3.34 m/s |
| 1.2 | Permissible rated speed down | 0.5 – 2.50 m/s |
| 1.3 | Driving rope | |
| 1.3.1 | Type | steel wire rope |
| 1.3.2 | Diameter | 6 - 8 mm |
| 1.4 | The tensile force in the rope can be adjusted by a spring from 1000 N to 2000 N. | |

2. Remarks

- 2.1 The preset tripping speed as well as the adjustment of the switch must be sealed against unauthorised modification.
- 2.2 The direction of rotation for engaging the safety gear has to be marked at overspeed governor.
- 2.3 Additional to the EC type-examination certificate and this annex the certificate holder has to supply a confirmation that the safety component installed in a lift corresponds with the tested and approved type. In order to provide identification, information about the basic design and its functioning and to show which parts have been tested of the approved type, drawing no. NS115013A001 dated 2005-04-25 with last change dated 2006-04-10 stamped with TÜV SÜD 0036 dated 2006-10-23 is to be enclosed with the EC type-examination certificate and the annex thereto.
- 2.4 The EC type-examination certificate may only be used in connection with the pertinent annex.



