



Industrie Service

EC type-examination certificate

Certificate no.: AFV 015/7

Notified body: TÜV SÜD Industrie Service GmbH
Westendstr. 199
80686 München - Germany

**Applicant/
Certificate holder:** Inventio AG
Seestrasse 55
6052 Hergiswil - Switzerland

Date of application: 2012-03-29

**Manufacturer of the test
sample:** Schindler Drive Systems
Poligono "Empresarium"
Albardin, 58
50720 La Cartuja Baja – Zaragoza – Spain

Product: Progressive safety gear

Type: SA G 11

Test laboratory: TÜV SÜD Industrie Service GmbH
Prüflaboratorium für Produkte der Fördertechnik
Prüfbereich Aufzüge und Sicherheitsbauteile
Westendstr. 199
80686 München - Germany

**Date and
number of the test report:** 2012-05-14
AFV 015/7

EC-Directive: 95 / 16 / EC

Result: The safety component conforms to the essential safety requirements of the Directive for the respective scope of application stated on page 1 of the annex to this EC type-examination certificate.

Date of issue: 2012-05-15

Certification body for lifts and safety components
Identification number: 0036

C. Rührmeyer
Christian Rührmeyer



Annex to the EC type-examination certificate no. AFV 015/7 dated 2012-05-15

1. Scope of Application

- 1.1 Permissible total mass of car and rated load or counterweight in using one pair of safety gears, depends on the condition of the guide rail running surface

Max. tripping speed (m/s)	Condition of the running surface	Total mass (kg) min. - max.
3.7	oiled*	2073
3.3	oiled*	2073 - 6352
2.8	oiled*	2073 - 8045
10.6	dry	2073 - 5031
6.4	dry	2073 - 5619
5.2	dry	2073 - 7256
2.8	dry	2073 - 8045

*HLP-oils according to DIN 51524, part 2 or oils with comparable characteristics

The total mass corresponding of the intermediate values of the maximum tripping speed can be determined through linear interpolation.

- 1.2 Maximum tripping speed of overspeed governor and range of the maximum rated speed

Maximum tripping speed (m/s)	2.8	3.3	3.7	5.2	6.4	10.6
Range of the maximum rated speed (m/s)	2.24 - 2.43	2.64 - 2.87	3.0 - 3.2	4.16 - 4.52	5.12 - 5.57	8.45 - 9.22

- 1.3 Guide rails to be used

- 1.3.1 Running surface manufactured by machined
- 1.3.2 Minimum running surface width 30 mm
- 1.3.3 Blade width 15.88 - 19 mm

2 Remarks

- 2.1 Pursuant to the standard EN 81, annex F, paragraph 3, section 3.4. a) 2) the total mass of the progressive safety gear determined for adjustment purposes may be 7,5 % higher or lower.
- 2.2 For the purposes of identification and information concerning the fundamental method of construction, the approval drawing no. M __ 103772 with certification stamp dated 2009-12-01 have to be attached to the EC type-examination certificate AFV 015/7 and its annex.
- 2.3 The environment and connection conditions of the safety gear are described and depicted in additional documents (e. g. the assembly instructions).
- 2.4 The EC type-examination certificate may only be used in connection with the pertinent annex and the list of the authorized manufacturers (according to enclosure). This enclosure shall be updated and re-edited following information of the certificate holder.

Note: The English text is a translation of the German original. In case of any discrepancy, the German version is valid only.



Industrie Service

**Enclosure of EC type-examination certificate
no. AFV 015/7 dated 2012-05-15**

Authorised manufacturers – production sites (stated: 2012-05-15):

Schindler Drive Systems

Poligono „Empresarium“
Albardin, 58
50720 La Cartuja Baja – Zaragoza – Spain

Suzhou Schindler Elevator Co. Ltd.

818 Jin Men Road
Suzhou 215004 - China

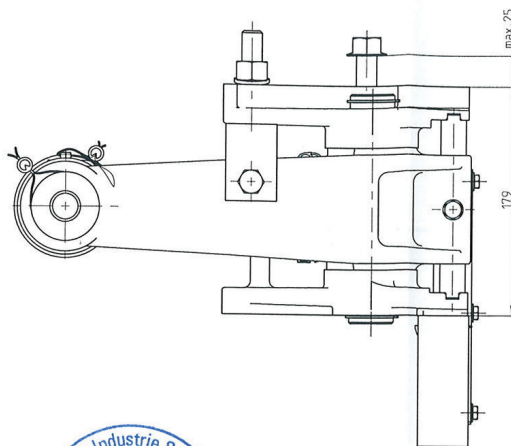
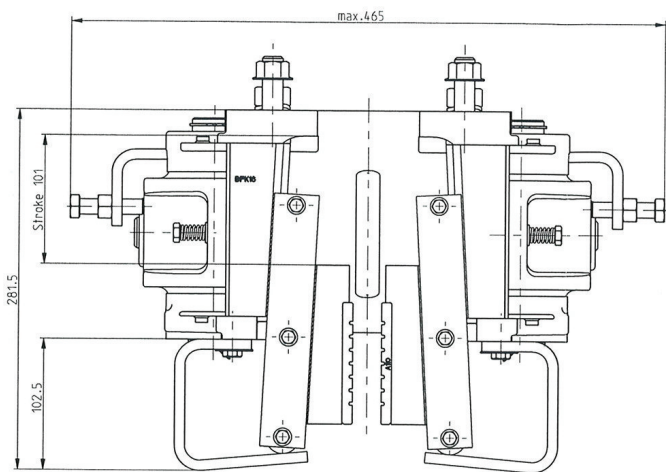
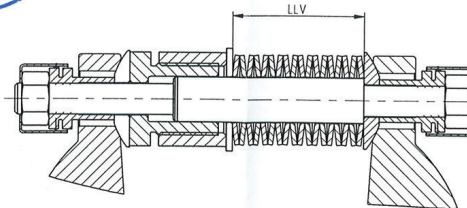
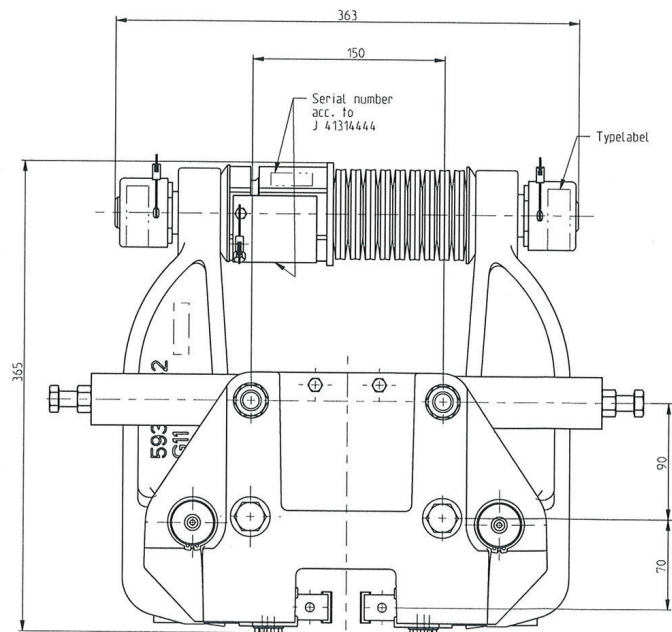
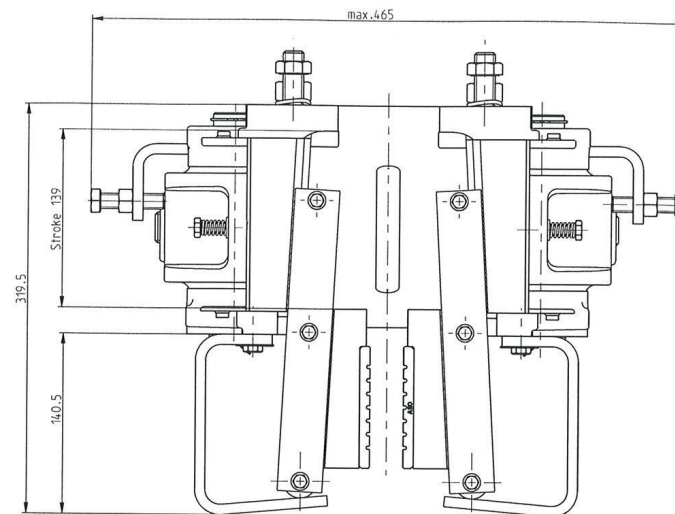
Schindler Aufzüge AG

EBI Works

Zuger Strasse 13
6030 Ebikon, Switzerland

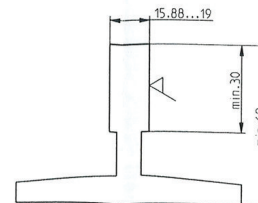
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Base: Request of Co. Schindler Aufzüge AG dated 2012-03-29

$$S = 3\text{mm}$$

$$S = 5\text{mm}$$


- GEPRÜFT -
TÜV SÜD Industrie Service GmbH
Zentralbereich Fördertechnik-Sonderbauten
Abteilung Aufzüge und Sicherheitsbauteile
Westendstr. 199, D-80686 München
Der Sachverständige

- 1. Dez. 2009



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