



Industrie Service

EC TYPE-EXAMINATION CERTIFICATE

According to Annex V, Part A of 95/16/EC Directive

Certificate No.: AFV 717/3

Certification Body of the Notified Body: TÜV SÜD Industrie Service GmbH
Westendstr. 199
80686 Munich – Germany
Identification No. 0036

Certificate Holder: INVENTIO AG
Seestrasse 55
6052 Hergiswil – Switzerland

Manufacturer of the Test Sample: Schindler Drive Systems
Poligono “Empresarium”
Albardin, 58
50720 La Cartuja Baja - Zaragoza – Spain
(Manufacturer of Serial Production - see Enclosure)

Product: Progressive safety gear

Type: SA SGC 02
ID-Nr.: 59306050

Directive: 95/16/EC

Reference Standards: EN 81-20:2014
EN 81-50:2014
EN 81-1:1998+A3:2009
EN 81-2:1998+A3:2009

Test report: AFV 717/3 of 2015-08-05

Outcome: The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.

Date of Issue: 2015-08-07

Werner Rau

Werner Rau

Certification Body “lifts and cranes”



**Annex to the EC type-examination certificate
no. AFV 717/3 dated 2015-08-07**



Industrie Service

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 tripping speed of the overspeed governor.

Tripping speed (m/s)	Total mass (kg) min. – max.
0.72	4594 – 14111
12.95	4196 – 11642

For the intermediate values of the tripping speed of 0.72 - 12.95 m/s the corresponding maximum total mass can be determined through linear interpolation in the range of 4594 - 4196 kg and 14111 - 11642 kg.

1.2 Permissible tripping speed of overspeed governor and permissible rated speed

1.2.1 Permissible tripping speed 0.72 – 12.95m/s

1.2.2 Permissible rated speed 0.63 – 10.0 m/s

1.3 Guide rails to be used

1.3.1 Manufactured by machined

1.3.2 Condition of the running surface dry*
(* or slightly oiled as corrosion prevention)

1.3.3 Minimum running surface width 42 mm

1.3.4 Blade width 15.88 – 31.75 mm

2 Conditions

2.1 For identification and information about the principal construction and operation and for demarcation of the examined and approved sample the identification drawing M_ _ 41306050 with certification stamp dated 2015-08-07 has to be enclosed to the EC type-examination certificate and its annex.

2.2 The EC type-examination certificate may only be used in connection with the pertinent annex and the enclosure (list of the manufacturers serial production). This enclosure shall be updated and re-edited following information of the certificate holder.

3 Remarks

3.1 Pursuant to the standard EN 81-50:2014, paragraph 5.3.4, the total mass of the progressive safety gear determined for adjustment purposes may be 7.5 % higher or lower.

3.2 This EC type-examination certificate is based modelled after and /or harmonized standards as following:

- EN 81-1:1998 + A3:2009 (D), Anhang F.3
- EN 81-2:1998 + A3:2009 (D), Anhang F.3
- EN 81-20:2014 (D), Punkt 5.6.2.1.1.2
- EN 81-50:2014 (D), Punkt 5.3

3.3 Changes resp. extensions of the upper mentioned standards or a further development of the state of the art may make a revision of this EC type-examination certificate necessary.

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

**Enclosure of EC type-examination certificate
no. AFV 717/3 dated 2015-08-07**



Industrie Service

Manufacturer serial production – production sites (Stated: 2015-08-07):

Company **Schindler Drive Systems**
Address Poligono “Empresarium”
 Albardin 58
 50720 La Cartuja Baja - Zaragoza – Spain

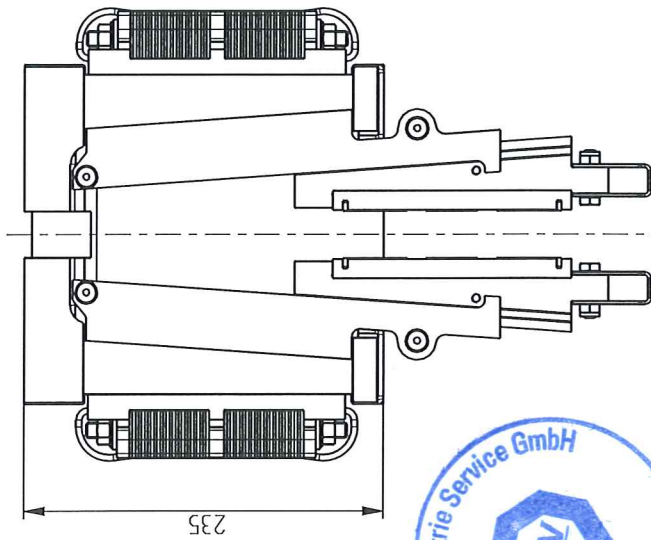
- ENDE DOKUMENT -

Base: Letter of SCHINDLER Aufzüge AG dated 28.01.2015

This presentation is our intellectual property. Without our written consent, it shall neither be copied in any manner, nor used for manufacturing, nor communicated to third parties.

Diese Darstellung ist unser geistiges Eigentum. Sie darf ohne unsere schriftliche Zustimmung weder irgendetwas kopiert noch zur Anfertigung des Werkes gebracht oder Dritten Personen bekanntgegeben werden.

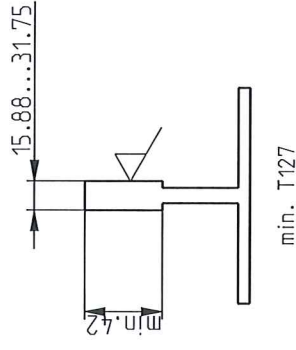
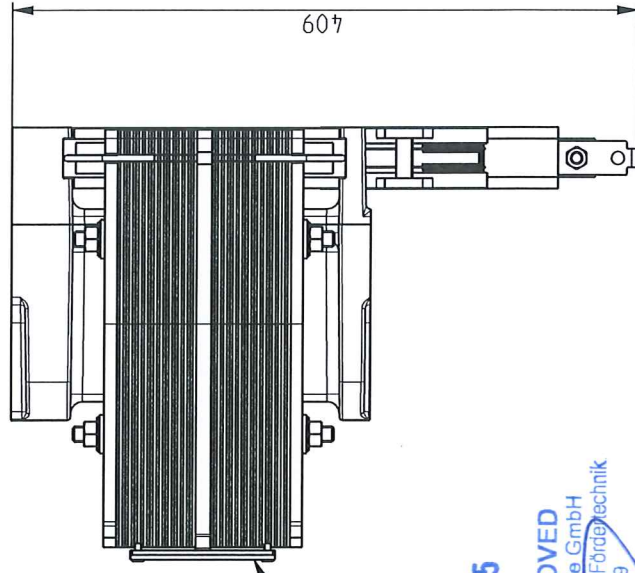
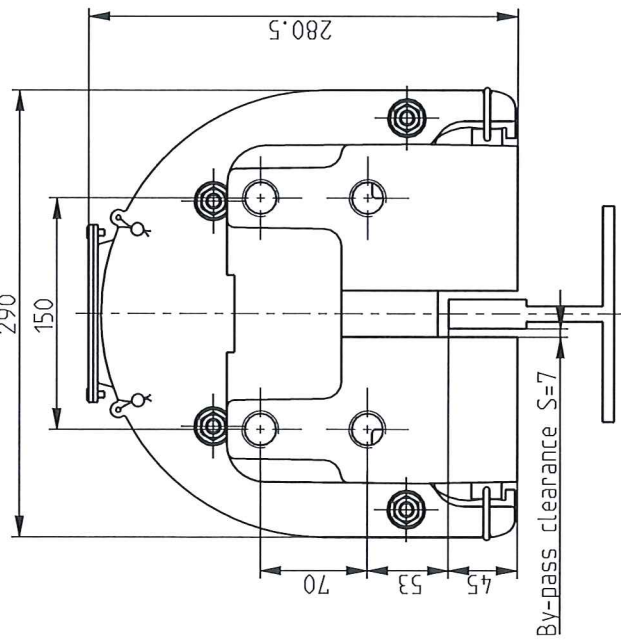
Cet ouvrage est notre propriété intellectuelle. Sans notre autorisation écrite, il ne peut être ni copié d'une manière quelconque, ni être utilisé pour la fabrication, ni non plus être communiqué à des tiers.



07. AUG. 2015

GEPRÜFT / APPROVED
 TÜV SÜD Industrie Service GmbH
 Prüflaboratorium für Produkte der Fördertechnik
 Westendstraße 199
 80686 München

Sachverständiger / Expert



59306050	Ident. No.	Semi finished product / raw material	Item Code surface	Heat treatment	Drawg / Model	72.193	Weight
Modification	Semi fin. Ident. No.		Ag5	Related			Kg
KA No.			159A72	Suppld BOM			
KA Date			2015-10-17	Related BOM			
GROUP: SAFETY	Remark			Release Level	Released		
Safety Gear SA SGC 02		Scale	Replaces / Ae	Prepared	Date	Name	
		3:10		2015-07-30	2015-07-30	muelleh	
				Reviewed	2015-07-30	meierhda	
				Norms checked	2015-07-30	meierhda	
				Page	1/1	geissmi	
				Lead office		Lang.	
INVENTIO AG CH-6052 Hergiswil		Classification	EB3	M__41306050		EN	
		Format A3					