



EU-TYPE EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-SG 288
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich – Germany Identification No. 0036
Certificate Holder:	G. Schlosser Aufzugtechnologie GmbH Felix-Wankel-Strasse 4 85221 Dachau – Germany
Manufacturer of the Test Sample: (Manufacturer of Serial Production - see Enclosure)	G. Schlosser Aufzugtechnologie GmbH Felix-Wankel-Strasse 4 85221 Dachau – Germany
Product:	Progressive safety gear, braking device as part of the protection device against overspeed for the car moving in upwards direction
Type:	EB 59 K
Directive:	2014/33/EU
Reference Standards:	EN 81-20:2014 EN 81-50:2014 EN 81-1:1998+A3:2009 EN 81-2:1998+A3:2009
Test report:	EU-SG 288 of 2016-07-11
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:	2016-07-11

Achim Janocha
Certification Body "lifts and cranes"



**Annex to the EU-Type-Examination Certificate
No. EU-SG 288 of 2016-07-11**



Industrie Service

1 Scope of application

1.1 Generally

Following application possibilities refer to a brand new pair of safety gear depending on manufacture and condition of the guide rail running surface and maximum rated and tripping speed. The safety component can fulfil separately two security features according 1.2 and 1.3.

Guide rails to be used

Minimum running surface width 20 mm

Blade width 5 – 16 mm

Note:

* Mineral oils without additives (e.g. lubricating oils C according DIN 51517, part 1)

1.2 Using as a progressive safety gear (acting downwards) - permissible total mass of car and rated load depending on maximum rated and tripping speed

Manufacturing of running surface	Condition guide rail	Max. range of rated speed [m/s]	Max. tripping speed [m/s]	Total mass [kg] min. – max.
drawn or machined	dry or oiled*	1.37 – 1.49	1.71	750 – 1700
		1.73 – 1.88	2.16	1700

For the intermediate values of the maximum tripping speed of 1.71 – 2.16 m/s the corresponding maximum total mass can be determined through linear interpolation in the range of 750 - 1700 kg.

1.3 Using as a braking device - part of the protection device against overspeed for the car moving in upwards direction (acting upwards) - permissible brake forces

Manufacturing of running surface	Condition guide rail	Max. tripping speed [m/s]	Brake force [N] min. – max.
drawn or machined	dry or oiled*	1.71	11772 – 26683
		2.16	26683

For the intermediate values of the maximum tripping speed of 1.71 – 2.16 m/s the corresponding maximum brake force can be determined through linear interpolation in the range of 11772 – 26683 N

2 Terms and Conditions

2.1 Above mentioned safety component represents only a part at the protection device against overspeed for the car moving in upwards direction. Only in combination with a detecting and triggering component in accordance with the standard (two separate components also possible), which must be subjected to an own type-examination, can the system created fulfil the requirements for a protection device.

2.2 The forces acting on the guide rails shall be safely absorbed.

**Annex to the EU-Type-Examination Certificate
No. EU-SG 288 of 2016-07-11**



Industrie Service

- 2.3 Mass configuration of the lift installation with regard to the permissible total mass and braking forces to be construed in a way that comply with the valid values of deceleration according standard EN 81-20 based on safety function (e.g. deceleration of the empty car in up direction not more than $1g_n$).
- 2.4 The installer of the complete lift must create an examination instruction to fulfil the overall concept of the protection device, add it to the lift documentation and provide any necessary tools or measuring devices, which allow a safe examination (e. g. with closed landing doors).
- 2.5 The identification drawing No. 5230.0000.012 page 1 and 2 including stamp dated 2016-07-11 shall be included to the EU type-examination for the identification and information of the general construction and operation and distinctness of the approved type.
- 2.6 The EU type-examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

3 Remarks

- 3.1 Pursuant to the comment standard EN 81-50, the total mass determined for adjustment purposes may be 7.5 % higher or lower.
- 3.2 The progressive safety gear can also be used to a counterweight in compliance with the permissible total mass according table 1.2 of this certificate till permissible tripping speed.
- 3.3 Examination of compliance with other requirements according standard, reduction of braking forces due to wear-and-tear or alterations to the installation due to the installation's operation such as alterations to the running surfaces of the guide rails, are not part of this type-examination.
- 3.4 This EU type-examination certificate was issued according to the following standards:
 - EN 81-1:1998 + A3:2009 (D), Annex F.3 and F.7
 - EN 81-2:1998 + A3:2009 (D), Annex F.3
 - EN 81-20:2014 (D), part 5.6.2.1.1.2 and part 5.6.6.11
 - EN 81-50:2014 (D), part 5.3 and 5.7

A revision of this EU type-examination certificate is inevitable in case of changes or additions of the above mentioned standards or of changes of state of the art.

**Enclosure to the EU Type-Examination Certificate
No. EU-SG 288 of 2016-07-11**

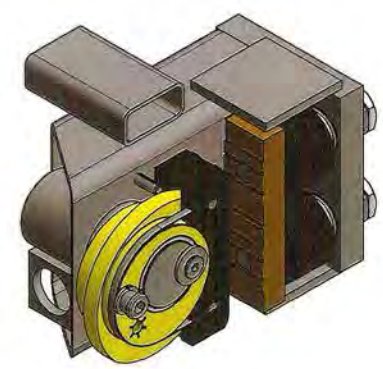
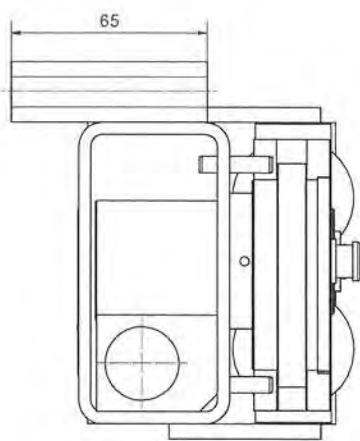
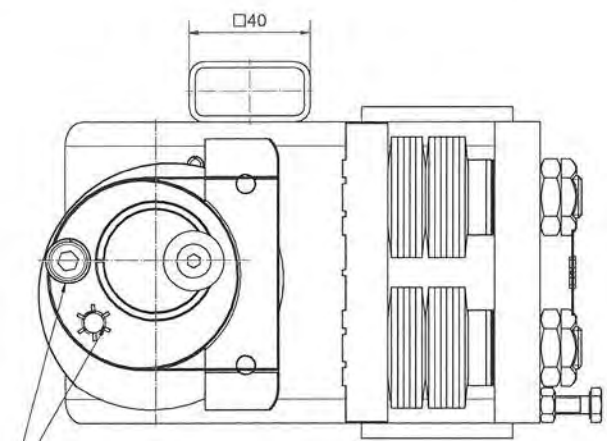


Industrie Service

Authorised Manufacturer of Serial Production – Production Sites (valid from: 2016-07-11):

Company G. Schlosser Aufzugtechnologie GmbH
Address Felix-Wankel-Strasse 4
85221 Dachau – Germany

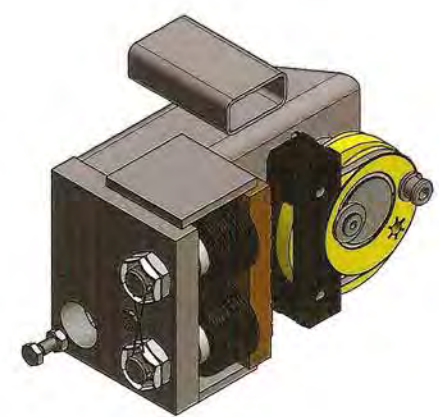
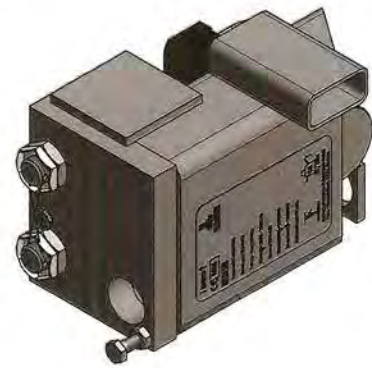
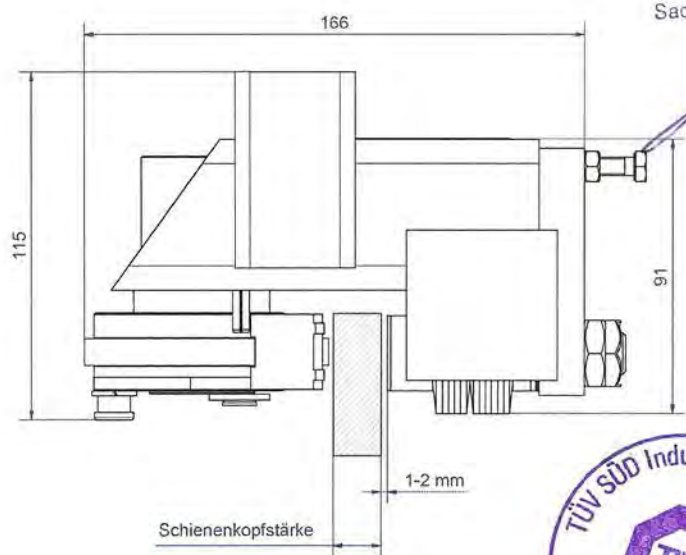
- END OF DOCUMENT -



Dargestellt als abwärts wirkend

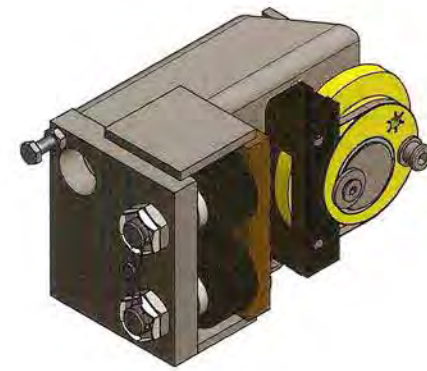
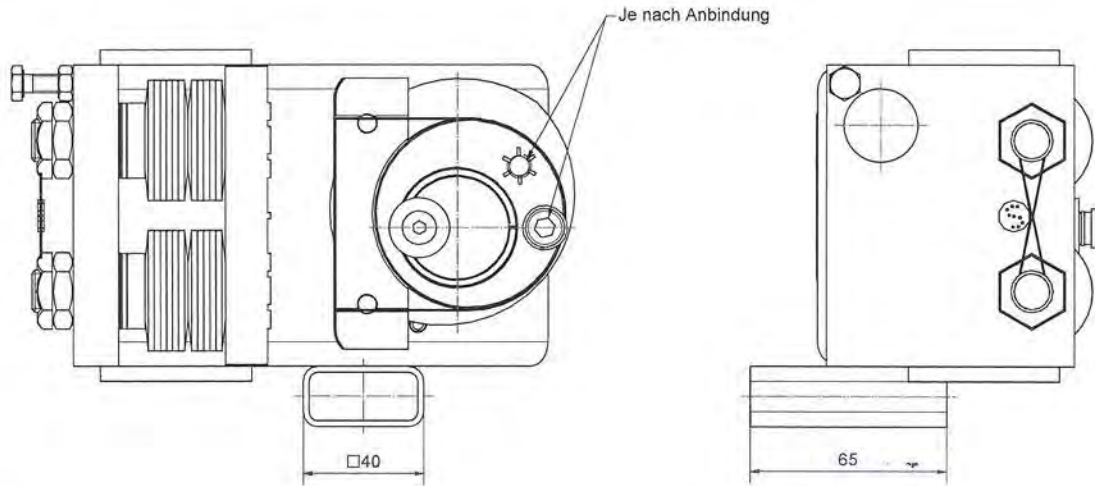
1.1. JULI 2016

GEPRÜFT / APPROVED
 TÜV SÜD Industrie Service GmbH
 Prüflaboratorium für Produkte der Fördertechnik
 Westendstraße 199
 80698 München
 Sachverständige(r) / Expert



Anz.	kompl. vor	Arbeitszeichnung	Anleitung	Datum	Gez.	Flame	Gez.
Vertraulich, alle Rechte vorbehalten ISO 16016 <small>Vertragsgegenstand sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Geschmackschutzrechtsverletzung vorbehalten.</small>				<small>Other/Blöcher</small>	<small>Ra in um</small>	<small>ISO 1502</small>	
				<small>Allgemeinabmessungen</small>	<small>ISO 13025-BF</small>		
				<small>Schweißverbindungen</small>			

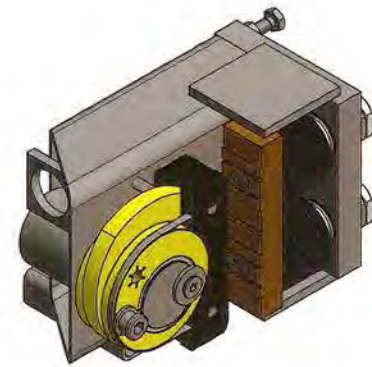
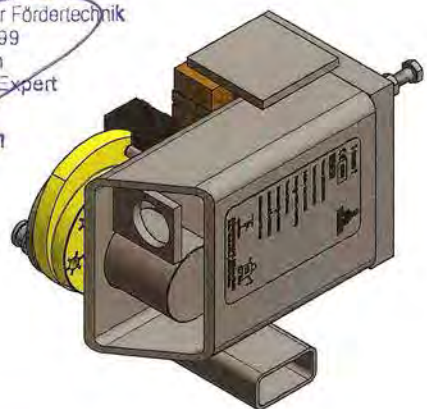
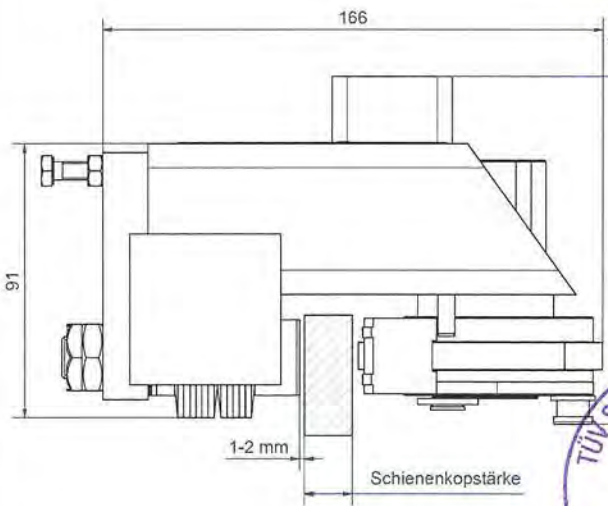
Aufzugstechnologie Schlosser Verwendungsbereich EU-SG 288 abwärts wirkend		Werkstoff Halbzeug Maßstab im Orig. 1:1,2 (1:1,7) Masse(Gewicht) 4,7 kg
Benennung Massbild EB 59 K Dimensioned Drawing EB 59 K	Zeichnungs-Nr. 5230.0000.012	Anz. 1 Blatt 1 AZ
Maße in mm Toleranzung ISO 8015 ISO 2768-mH	Datum 05.07.2016 Name Marlinez TS AUFZUGTECHNOLOGIE SCHLÖSSER D-85221 Dachau	JAKA NEUANFANGSTÜCKE 59 KZ220 0000.012 - EB 59 K.r.h



Dargestellt als aufwärts wirkend

1 1. JULI 2016

GEPRÜFT / APPROVED
 TÜV SÜD Industrie Service GmbH
 Prüflaboratorium für Produkte der Fördertechnik
 Westendstraße 199
 80685 München
 Sachverständige(r) / Expert



And.	Issued vor	Änderungs-Nr.	Änderung	Datum	Gez.	Name	Gez.

Vertraulich, alle Rechte vorbehalten ISO 16016
 Weitergabe sowie Veröffentlichung dieses Dokuments, Vervielfältigung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestatten Zusicherungen verpfichten zu Schwabensatz.
 Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Geschmackschutzrechtsverletzung vorbehalten.

Oberflächen: Ra in um ISO 1300
 Allgemeine Toleranzen: ISO 1300-EP
 Schwerlastkonstruktion

Aufzugstechnologie Schlosser		Werkstoff	Halbzeug
Verwendungsbereich EU-SG 288 aufwärts wirkend		Maßstab im Orig. 1:1,2 (1:1,7)	Masse(Gewicht) 4,7 kg
Maße in mm	Datum Gez. 05.07.2016 Gez. 05.07.2016	Name Martinez TS	Benennung Massbild EB 59 K Dimensioned Drawing EB 59 K
Tolerierung ISO 8015 ISO 2768-mH	AUFZUGTECHNOLOGIE SCHLOSSER D-85221 Dachau		Zeichnungs-Nr. 5230.0000.012
J:\AA\MECHANIK\ANGI\TÜV\EB 59\EB28.0000.012 - EB 59-K.dwg			And. 2 Blatt AZ