





EC TYPE-EXAMINATION CERTIFICATE

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

Certificate No.:	ABV 798/2
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: (Manufacturer of Serial Production – see Enclosure)	Schindler Aufzüge AG EBI Works Zuger Strasse 13 6030 Ebikon – Switzerland
Product:	Braking device acting on the traction sheave, as part of the protection device against overspeed for the car moving in upwards direction
Type:	MBR800-HYB54
Directive:	95/16/EC
Reference Standards:	EN 81-20:2014 EN 81-50:2014 EN 81-1:1998+A3:2009
Test Report:	ABV 798/2 of 2015-10-15
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:	2015-10-16


 Achim Janocha
 Certification Body "lifts and cranes"


**Annex to the EC Type-Examination Certificate
No. ABV 798/2 of 2015-10-16**



Industrie Service

1 Scope of application

- 1.1 Permissible brake moment when the brake device acts on the traction sheave while the car is moving upward 5500 - 12500 Nm
- 1.2 Maximum tripping speed of the overspeed governor and maximum rated speed for traction sheave diameter of 760 mm (in relation to the rope's centre) and car suspension of 1:1
- 1.2.1 Maximum tripping speed 12.00 m/s

According to the tripping speed, a tripping rotary speed of 301 rpm of the traction sheave is calculated on the basis of the traction sheaves diameter of 760 mm and the car suspension of 1:1.

If deviating traction sheave diameters, car speeds or car suspensions are used, care must be taken that these rotary speeds are not exceeded during operation and tripping of the overspeed governor.

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 In order to provide identification and information about the design and its functioning and to show the environmental conditions and connection requirements, drawing M __ 41603040 with stamp dated 2015-10-16 is to be enclosed with the EC type-examination certificate and the Annex thereto.
- 2.3 The 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 In the scope of this type-examination it was found out, that the brake device also functions as a brake for normal operation (using at least two single brakes), is designed as a redundant system and therefore meets the requirements to be used also as a part of the protection device against overspeed for the car moving in upwards direction.
- 3.2 Checking whether the requirements as per section 5.9.2.2 of EN 81-20:2014 (D) have been complied with is not part of this type examination.
- 3.3 Other requirements of the standard, such as reduction of brake torque respectively brake force due to wear or operational caused changes of traction are not part of this type examination.
- 3.4 This EC type-examination certificate was issued according to the following standards:
- EN 81-1:1998 + A3:2009 (D), Annex F7
 - EN 81-20:2014 (D), part 5.6.6.11
 - EN 81-50:2014 (D), part 5.7
- 3.5 A revision of this EC 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 EC Type-Examination Certificate
No. ABV 798/2 of 2015-10-16**

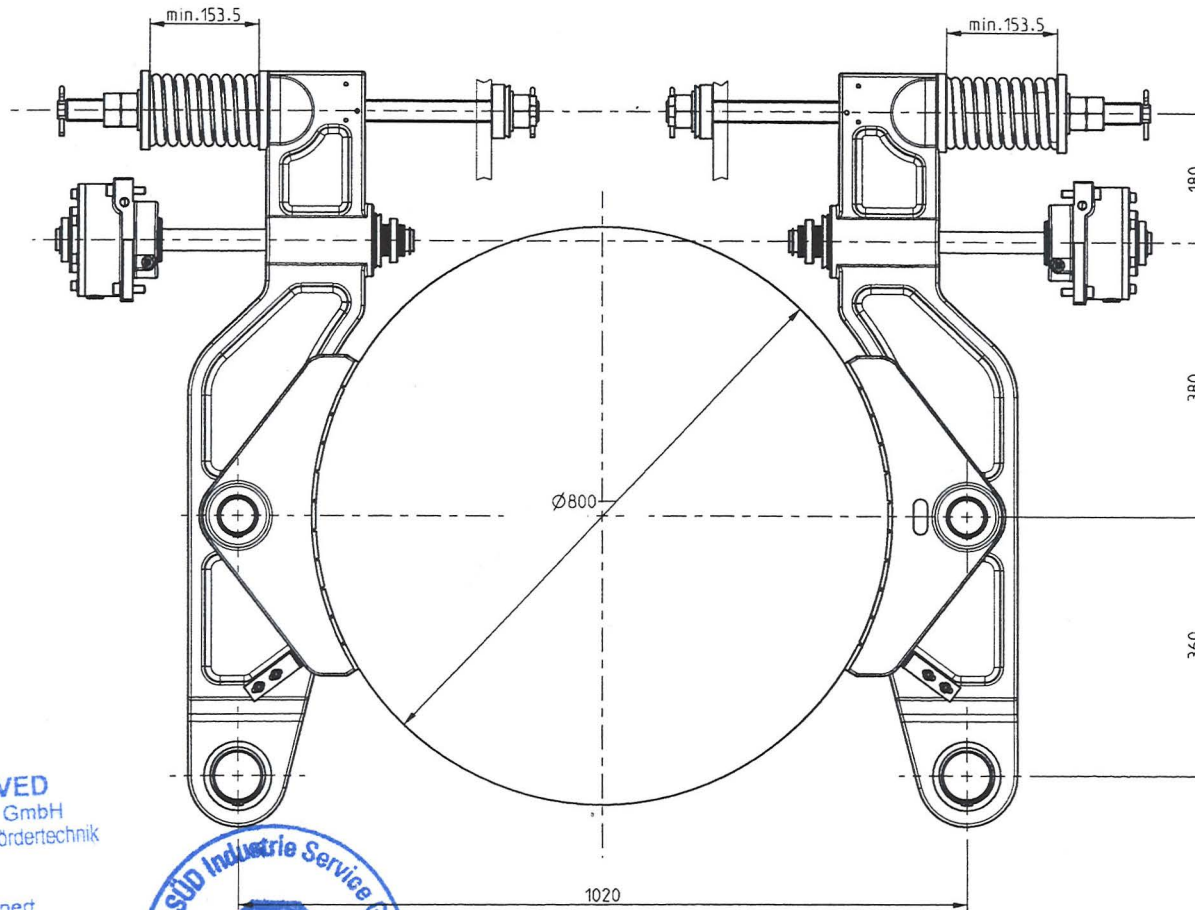


Industrie Service

Authorised Manufacturer of Serial Production – Production Sites (valid from: 2015-10-16):

Company Schindler Aufzüge AG
Address EBI Works
Zugerstrasse 13
6030 Ebikon – Switzerland

- END OF DOCUMENT -



16. OKT. 2015

GEPRÜFT / APPROVED
 TÜV SÜD Industrie Service GmbH
 Prüflaboratorium für Produkte der Fördertechnik
 Westendstraße 199
 80686 München
 Sachverständige(r) / Expert

M. Neumann



min.E=153.5mm=TBM max.12'500Nm

59604020		Steel fin. (cont. no.)		Item	Code surface	y	Heat treatment	Drawn / Modif.	Weight
Ident. No.	Steel finished product / raw material			Ae1	Draw Ver.		Heat treated		
Modification				76367	8		Heat treated		
KA No.				2008-05-16	Model Ver.	8	Heat treated		
KA Date							Release List	Released	
Group: 01		Remarks		Scale	Places / An.	Prepared	Date	Name	
Brake Assembly MBR800-HYB54				1:5		2008-05-07		Kuechloe	
FMRS60 Certification				Page	Released	2008-05-08		Kueffene	
				1/1	Released	2008-05-08		Kueffene	
INVENTIO AG		Classification	Lead Office	M...41603040		Lang.		EN	
CH-6052 Hergiswil		11120	EB6						
		Format A2							

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