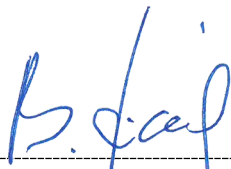


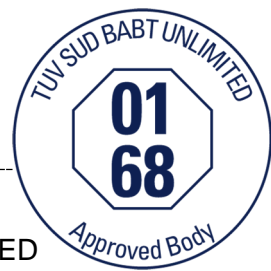


TYPE EXAMINATION CERTIFICATE

According to Lifts Regulations 2016, Schedule 11, Section A

Certificate No.:	UK-B 143
Approved Body:	TUV SUD BABT UNLIMITED Octagon House Concorde Way, Segensworth North Fareham, Hampshire, PO15 5RL, UK Identification No. 0168
Certificate Holder:	ACLA-WERKE GMBH Frankfurter Str. 142-190 51065 Köln - Germany
Manufacturer of the Test Sample: <small>(Manufacturer of Serial Production - see Enclosure)</small>	ACLA-WERKE GMBH Frankfurter Str. 142-190 51065 Köln - Germany
Product:	Energy accumulation buffer with nonlinear characteristics
Type:	300178A
Regulation:	Lifts Regulations 2016
Reference Standards:	EN 81-20:2020 EN 81-50:2020
Test report:	UK-B 137-153 dated 2022-01-24
Outcome:	The product conforms to the essential health and safety requirements of the mentioned Regulation if the requirements of the annex to this type examination certificate are kept.
Date of Issue:	2022-02-21


 Bernd Gründling
 TUV SUD BABT UNLIMITED



**Annex to the Type Examination Certificate
No. UK-B 143 of 2022-02-21**



1 Scope of application

1.1 Permissible total mass of car and rated load or counterweight by using one buffer depending on the maximum rated speeds:

Rated speed [m/s]	Min. total mass [kg]	Max. total mass [kg]
1.00	600	2100

(If several buffers are used, the permissible total mass can be multiplied accordingly.)

1.2 Further technical data / information

Maximum impact speed	1.15 m/s
Dimension	Ø 129 mm x 103 mm
Material	AUTAN® HE
Connecting elements / fixing elements / marking	see clause 2.2

1.3 Environmental conditions

Temperature	-15 °C to +60 °C
Humidity	max. 98 % at room temperature, non-condensing
Pollution	no exposure to acids, bases, solvents

2 Conditions

- 2.1 By using more than one buffer these safety devices must be identical in design, execution and installation position.
- 2.2 The manufacturer's operating instructions must be observed in particular with regard to inspection, replacement criteria and fixing.
- 2.3 The approval drawing No. Z30014 including stamp from 2022-01-24 shall be included to the type examination for the identification and information of the general design and operation and distinctness of the approved type.
- 2.4 The type examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturers of the serial production). The enclosure will be updated immediately after any change by the certification holder.

**Annex to the Type Examination Certificate
No. UK-B 143 of 2022-02-21**



3 Remarks

3.1 The testing of other requirements of the standard, wear-related reduction of the buffer forces, as well as permanent influence of the ambient conditions are not part of this type examination.

3.2 This type examination certificate has been issued on basis of the following standards:

- EN 81-20:2014 (D), clause 5.8.1.7
- EN 81-20:2020 (D), clause 5.8.1.7
- EN 81-50:2014 (D), clause 5.5
- EN 81-50:2020 (D), clause 5.5

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

**Enclosure to the Type Examination Certificate
No. UK-B 143 of 2022-02-21**



Authorised Manufacturer of Serial Production – Production Sites (valid from: 2021-12-21):

Company ACLA-WERKE GMBH
Address Frankfurter Str. 142-190
 51065 Köln - Germany

- END OF DOCUMENT -

Puffertyp:

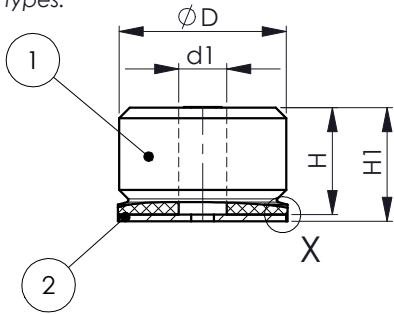
Buffer model:

Befestigung:

Mounting types:

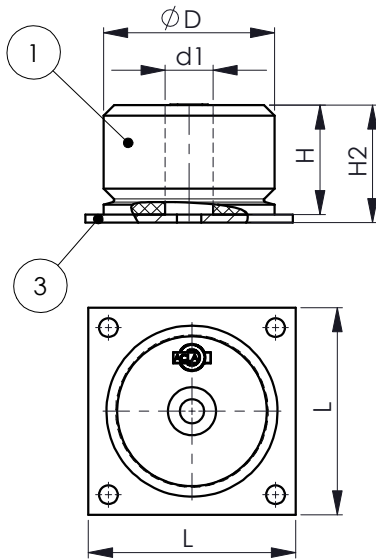
300178A1

Typ A



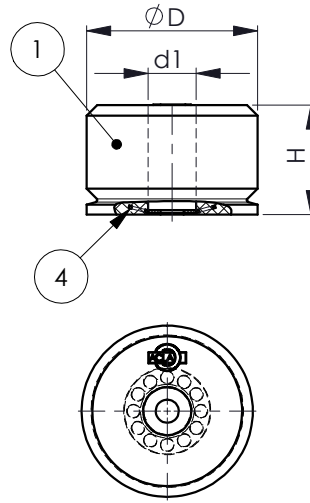
300178A3

Typ C

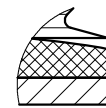
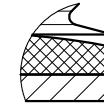


300178A4

Typ D



DETAIL X
Fertigungsart
production type



umschäumt
Angabe "V1"
foams around
specification "V1"

sichtbar
keine Angabe
visible
not specified

24.01.2022

GEPRÜFT / APPROVED
TÜV SÜD Industrie Service GmbH
Prüfstelle Fördertechnik / Test Laboratory LCC
Westendstr. 199, 80686 München – Germany
Sachverständiger (m/w/d) / Expert

Kennzeichnungen auf dem Puffer:

Die Kennzeichnungen können auf dem ganzen Umfang des Puffers angeordnet sein.

Die Kennzeichnung besteht aus den Kennzeichnungsfeldern.

(XXX Platzhalter ohne genaue Anzahl der Zeichen)

Zusätzlich zu den beschriebenen können weitere Kennzeichnungen angebracht sein, zum Beispiel weitere Konformitätskennzeichnungen oder 2D-Codes.

Markings on the buffer:

The markings can be placed on the entire circumference of the buffer.

The marking consists of the marking fields.

(XXX placeholder without exact number of characters).

In addition to those described, further markings may be added, for example further conformity markings or 2D codes

Puffertyp -----	300XXXXX	-----	Buffer model
Datum -----	DD.MM.YYYY	-----	Date
Uhrzeit / Fertigungsart --	hh:mm:ss / V1	--	Time / Model of manufacturing
Hersteller -----	ACLA	-----	Manufacturer
Anschrift -----	DE 51065 KOELN	-----	Address



Abmessungen in mm

Dimensions in mm

øD	129
ød1	36
H	103
H1	108
H2	109
L	155

UK-Baumusterprüfung:

UKCA-Konformitätskennzeichen

Nr. der zugelassene Stelle für die Qualitätssicherung
Zertifikatsnummer

UK CA XXXX / UK-B XXX

UK type-examination:

UKCA conformity mark

No. of the approved body for quality assurance
Certificate number

Index	Teil	Änderungs-Mitteilung	Datum	Name

1	Lochblech / perforated sheet	4	St.
1	Platte / plate	3	St.
1	Scheibe / disc	2	St.
1	Puffer / Buffer	1	AUTAN HE
	Benennung	Teil	Werkstoff

2021	Tag	Name	300178A
Gez.	16.12.	Kremin	
Gepr.	ÜBERPRÜFT <small>Ver Schmidt, Michael, 09.03.22 12:20:21</small>		
Norm			
Maßstab			
	-:-		Identifikations-Zeichnung Identification drawing
	Maße ohne Toleranzangabe nach:		

ACLA-WERKE GMBH Frankfurter Str.142-190 51065 Köln	CAD - Zeichnung 2020
	Z30014 Entstanden aus: Ersetzt durch: