



# TYPE EXAMINATION CERTIFICATE

According to Lifts Regulations 2016, Schedule 11, Section A

<b>Certificate No.:</b>	UK-B 158
<b>Approved Body:</b>	TUV SUD BABT UNLIMITED Octagon House Concorde Way, Segensworth North Fareham, Hampshire, PO15 5RL, UK Identification No. 0168
<b>Certificate Holder:</b>	ACLA-WERKE GMBH Frankfurter Str. 142-190 51065 Köln - Germany
<b>Manufacturer of the Test Sample:</b> <small>(Manufacturer of Serial Production - see Enclosure)</small>	ACLA-WERKE GMBH Frankfurter Str. 142-190 51065 Köln - Germany
<b>Product:</b>	Energy accumulation buffer with nonlinear characteristics
<b>Type:</b>	300400S
<b>Regulation:</b>	Lifts Regulations 2016
<b>Reference Standards:</b>	EN 81-20:2020 EN 81-50:2020
<b>Test report:</b>	UK-B 154-159 dated 2022-04-07
<b>Outcome:</b>	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.
<b>Date of Issue:</b>	2022-04-07

  
 Achim Janocha  
 TUV SUD BABT UNLIMITED



## 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	180	900

(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 80 mm x 80 mm
Material	AUTAN XL A
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. Z20015 including stamp from 2022-04-07 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 158 of 2022-04-07**



**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 81-20:2020, clause 5.8.1.7
- EN 81-50:2020, 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 158 of 2022-04-07**



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

<b>Company</b>	ACLA-WERKE GMBH
<b>Address</b>	Frankfurter Str. 142-190 51065 Köln - Germany

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