



EU-Declaration of Conformity for ETN-lift buffers

Subject: ETN-lift buffers
Dimensions and load ranges see table, page 2

Materials:
ETN-lift buffer ETN® - Cell-PU
Mounting plates Steel

We hereby declare that the construction
conforms to the relevant regulations of the

***lift buffer attachments with non-linear characteristic
and damping of the return movement
lift directive 95/16/EU***

Harmonised standards used:

DIN EN 81-1/2: 1998 + AC : 1999

Nominated test centre for the execution
of EC type examination test:

***Zentrum der Förder- und Aufzugstechnik
Roßwein gGmbH
Döbelner Str. 65 A
D-04741 Roßwein
Kenn-Nr. 0734***

EC type examination test certificate No.:

***see table,
page 2***

Production monitoring by:

***Zentrum der Förder- und Aufzugstechnik
Roßwein gGmbH
Döbelner Str. 65 A
D-04741 Roßwein
Kenn-Nr. 0734***

Year of manufacture of buffer attachment:

2006

Management:

01/01/2006
Date

Horst Eichler
Signature



Load range for ETN-lift buffer with EU type examination

The type examination tests for **ETN**-lift buffers made from ETN[®] - Cell-PU have been carried out in accordance with lift directive **95/16/EU**.

The **certificate number** records the permissible load range for this type of lift buffer.

An **EU type examination test certificate** can be issued for this type of lift buffer on request.

Dimens. Ø x H [mm]	Buffer type / Certificate no.	Load range $m_{max.}$ [kg] $m_{min.}$ [kg]
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Max. nominal speed

1,6 m/s

180 x 340	EN 6 0532/PU46/2-BP	1.700 630
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Specified office: **Zentrum der Förder- und Aufzugstechnik Rosswein
gGmbH**
Döbelner Str. 65 A
D-04741 Roßwein

30.09.2005




Zentrum der Förder- und Aufzugstechnik
Roßwein gGmbH
 Institut für Förder- und Aufzugstechnik an der Hochschule Mittweida (FH)



EC type-examination certificate

Certificate No.	0532/PU46/2-BP
Notified body	Zentrum der Förder- und Aufzugstechnik Roßwein gGmbH Döbelner Str. 65 A D-04741 Roßwein Ident. No.: 0734
Product / Type	Energy-accumulating buffer with damping of the return movement and non-linear characteristic Type EN 6
Name and address of the Manufacturer	Pleiger Kunststoff GmbH & Co. KG Im Hammertal 51 D-58456 Witten
Name and address of the applicant (Certificate owner)	Elastomer-Technik Nürnberg GmbH An der Kaufleite 20 D-90562 Kalchreuth
Date of submission	2005-08-16
EC-Directive / European Standard	<ul style="list-style-type: none"> ▪ Lift Directive 95/16/EC ▪ EN 81-1/2 : 1998 + AC : 1999
Test laboratory	Zentrum der Förder- und Aufzugstechnik Roßwein gGmbH - Prüflaboratorium -
Number and date of test report	0531/PU46/1-BE of 2005-09-09
Statement	The safety component conforms to the directive's essential safety requirements and health requirements for the respective scope of application stated of the annex to this EC type-examination certificate.
Certificate date	2005-09-13
Annex	Annex to the EC type-examination certificate no. 0532/PU46/2-BP

Zentrum der Förder- und Aufzugstechnik
Roßwein gGmbH
 - Zertifizierungsstelle -


 Prof. H. Patzelt
 Head of the
 Certification Body




 DI Th. Meyer
 Editor

Bankverbindung
 Volksbank-Raiffeisenbank Döbeln eG
 Bankleitzahl 860 654 68
 Kontonummer 341 837 502

Geschäftsführer
 Prof. Horst Patzelt
 Amtsgericht Leipzig
 HRB 11449

Sitz der Gesellschaft
 ZFA Roßwein gGmbH
 Döbelner Straße 65 A
 04741 Roßwein

Annex to the EC type-examination certificate No. 0532/PU46/2-BP

1 General Information

1.1 Scope of application

Application with elevators by Lift Directive 95/16/EC and harmonised European Standard EN 81-1/2

1.1.1	max. rated speed:	1,6 m/s
1.1.2	max. hitting speed:	1,84 m/s
1.1.3	min. mass:	630 kg
1.1.4	max. mass:	1.700 kg

1.2 Allowed ambient conditions

(according to manufacturer's instructions)

1.2.1	Temperature range:	-40°C to +80°C, continuous use up to +50°C
1.2.2	Humidity:	Max. 70% relative humidity at room temperature, avoid continuous contact with water, no effect of chemical substances
1.2.3	Contamination:	Oil-compatible and grease-compatible, protect against acids and leaches

1.3 External signs of the buffer

1.3.1	Dimensions:	Diameter: 180 mm Height: 340 mm
1.3.2	Kind of fixing:	Quadratic steel mounting plate with 4 holes for screw fittings Ø 17 mm
1.3.3	Marking:	CE marking, Certificate owner („ETN“), Type of buffer („EN 6“), Number of the EC type-examination certificate („0532/PU46/2-BP“), Identity number of notified body („0734“)

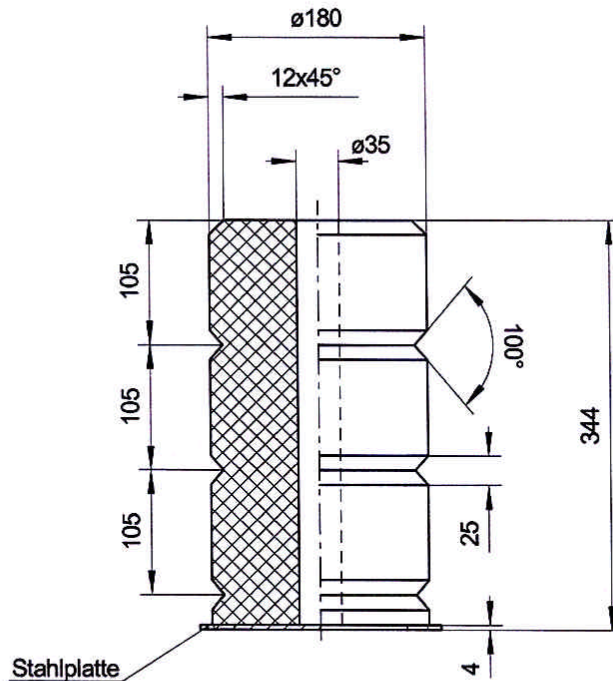
2 Additional remarks

- Deceleration peaks by the single tests to the EC type-examination have appeared no more than 3,0 g_n.
- The details of the operating instructions for ETN-lift buffers are must be noted.
- The EC type-examination certificate and their annex is to be enclosed the drawing no. 05-133 of 2005-08-17.
- The EC type-examination certificate may be used in connection with the pertinent annex only.

Bankverbindung
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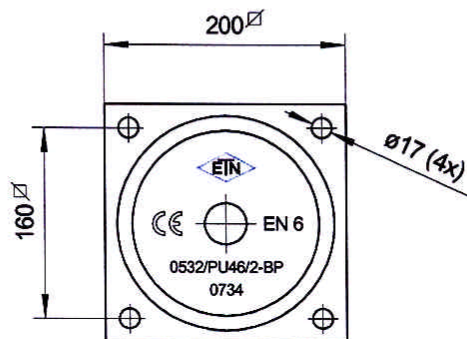
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DI Th. Meyer
 Leiter Prüflaboratorium

13. SEP. 2005



Elastomer-Technik Nürnberg GmbH
 An der Kaufleite 20
 D-90562 Kalchreuth



Maßstab 1 : 5

Artikel-Nr. 320206

	Datum	Name
Bearb.	17.08.05	J. Sperber
Gepr.		
Norm		
Zust.	Änderung	Datum/Name
		Ursprung

Aufsetzpuffer EN 6
ø 180 x 340 mm

Zeichnung-Nr. 05-133

Blatt
 Blätter

Ersatz für: Ersatz durch:



Operating instructions for ETN-lift buffers

ETN lift buffers are used as springs and damping elements for lifts. Depending on the type of lift (with or without choke or choke non-return valve), **ETN** lift buffers are available in a range of sizes for different max. and min. loads. The load ranges for **ETN** lift buffers are recorded in the EC type examination certificates.

ETN lift buffers are manufactured with a square steel mounting plate with four holes for screw fitting.

ETN lift buffers can be arranged side-by-side or in line, but the following must be noted when fitting the units:

Side-by-side mounting of the lift buffers

The distance between the outer surfaces of the buffer must be at least **40%** of the buffer diameter
(e.g. buffer \varnothing 100 mm, distance 40 mm)

In line mounting of the lift buffers

With this type of mounting the buffer attachment must not be offset from the centre by more than **10%** of the buffer- \varnothing . If the offset is greater, the buckling resistance and therefore the power absorption of the lift buffer can no longer be guaranteed. The contact faces (on underside of the lift cage, counter-weight and buffer attachment) should be flat and parallel to each other.

30/09/2005



Operating instructions for ETN-lift buffers

Ambient conditions

Temperature range:	-40°C to +80°C, continuous use up to 50°C
Humidity:	70% relative humidity at room temperature Avoid continuous contact with water
Contamination:	Oil and grease compatible, but protect against acids and cleaning agents.

Life, maintenance

ETN lift buffers have a minimum life of at least 5 years, but we cannot guarantee this. They are maintenance-free, but they should be subjected to regular visual checks when inspecting and maintaining safety components. Should the shape of the buffer have undergone considerable visible change, it must be exchanged for a new item. The buffer must also be changed after the lift cage has dropped hard on to the buffer. Changes in colour of the buffer from white to brown relate to the material and have no influence on the technical and physical characteristics of **ETN** lift buffers.

Note

ETN lift buffer may only be used when it has been determined that the lift installation conforms to the **Lift Directive 95/16/EU**. **ETN** lift buffers must not be subjected to a continuous load and therefore must not be used as resting point during repair and maintenance work.

30/09/2005