



**BASF**

We create chemistry

**Cellasto®**  
The NVH Solution

# Elevated!

Cellasto® for Elevator Applications



# BASF—A Leader in Its Field

BASF is the leading supplier of polyurethane basic products, systems, and specialties. With its world-scale plants, BASF has secured the premier market position in the manufacture of polyurethane basic products in all regions of the world. Besides, BASF is both the market and the technology leader in the field of polyurethane systems and polyurethane specialty elastomers. At BASF, we want to improve, perfect, and prepare technical products for a long service life. And we do this very effectively thanks to the versatile material Cellasto®, a special microcellular polyurethane elastomer component made by BASF, and the know-how of our engineers that has evolved over the decades.

## Why settle for Good, when you can have Great

BASF is the preferred partner of its customers in the elevator industry. We develop solutions that are state of the art as well as economical. The units responsible for the development, design, production, and sales of components ensure that this motto is always observed through.



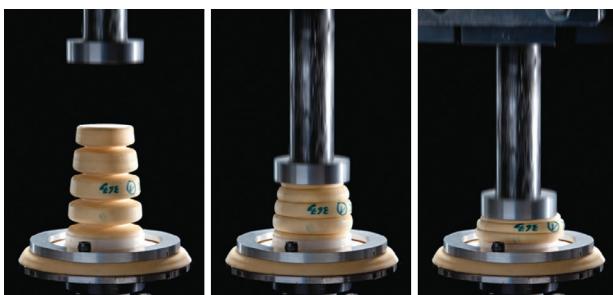


# This is Cellasto®

## Competence and Experience

For over half a century, BASF has developed and produced components made of microcellular polyurethane elastomers. The special physical properties distinguish Cellasto® as an outstanding engineering material that reduces noise, vibration, and harshness. Its premier product quality is based on our expert knowledge and has helped us achieve the status of global market leader in this application segment. That is why nine out of ten car manufacturers worldwide already use Cellasto® components.

Cellasto® is the Successful Synthesis of Modern High-tech Polyurethane and BASF Expertise.



High-volume compressibility by Cellasto®

# 90%

OF ALL CAR MANUFACTURERS  
USE CELLASTO® COMPONENTS  
WE PRODUCE WORLDWIDE

## Cellasto® Components Offer the Following Advantages:

- Excellent static and dynamic long-run behavior
- High-volume compressibility with minimal lateral expansion
- Low dynamic hardening and amplitude-selective damping
- Low compression set
- High-abrasion resistance
- Excellent for energy absorption
- Resistance to cold, heat, and moisture
- Resistance to oil, grease, ozone, and other important media



# New Cellasto® HD Elevator Overrun Buffers

BASF offers a new range of Cellasto® HD elevator overrun buffers. Thanks to the advanced formulation, the new elevator buffers have a significantly improved energy absorption, gain considerably more load range with the same buffer size, or have a lower buffer diameter at the same load range. Our premium brand Cellasto® impresses users with

its outstanding physical properties. The material is exceptionally resilient with high volume compressibility. Compared with similar materials, the polyurethane foam expands only slightly under compression. The buffers are certified according to EN 81-20/50, and we are happy to assist our customers with special country releases.



**450,000**

IN LEMFÖRDE, GERMANY, 450,000  
CELLASTO® PARTS ARE PRODUCED DAILY.



# +40%

INCREASED LOAD RANGE AT  
SAME BUFFER SIZE

# -20%

REDUCED BUFFER DIAMETER AT  
SAME LOAD RANGE

Cellasto® HD Elevator Overrun Buffer			Load range at nominal speed up to 1m/s		Load range at nominal speed up to 0.63 m/s		EU Type Examination Certificate Registered No.
Buffer Type	Dimensions [D x H]	BASF Prod.-Nr.	min Load [kg]	max Load [kg]	min Load [kg]	max Load [kg]	
80x80 - A	Ø 80x80 mm	45 2298 27	180	700	140	1650	44 208 120 827 24
80x80 - B	Ø 80x80 mm	45 2298 48	350	1400	250	3000	44 208 120 827 25
100x80	Ø 100x80 mm	45 2298 49	450	1700	330	3900	44 208 120 827 26
125x80	Ø 125x80 mm	45 2298 50	600	2000	350	4800	44 208 120 827 27
165x80	Ø 165x80 mm	45 2298 52	950	3600	700	9400	44 208 120 827 28
140x110	Ø 140x110 mm	45 2298 51	500	3200	400	6000	44 208 120 827 29





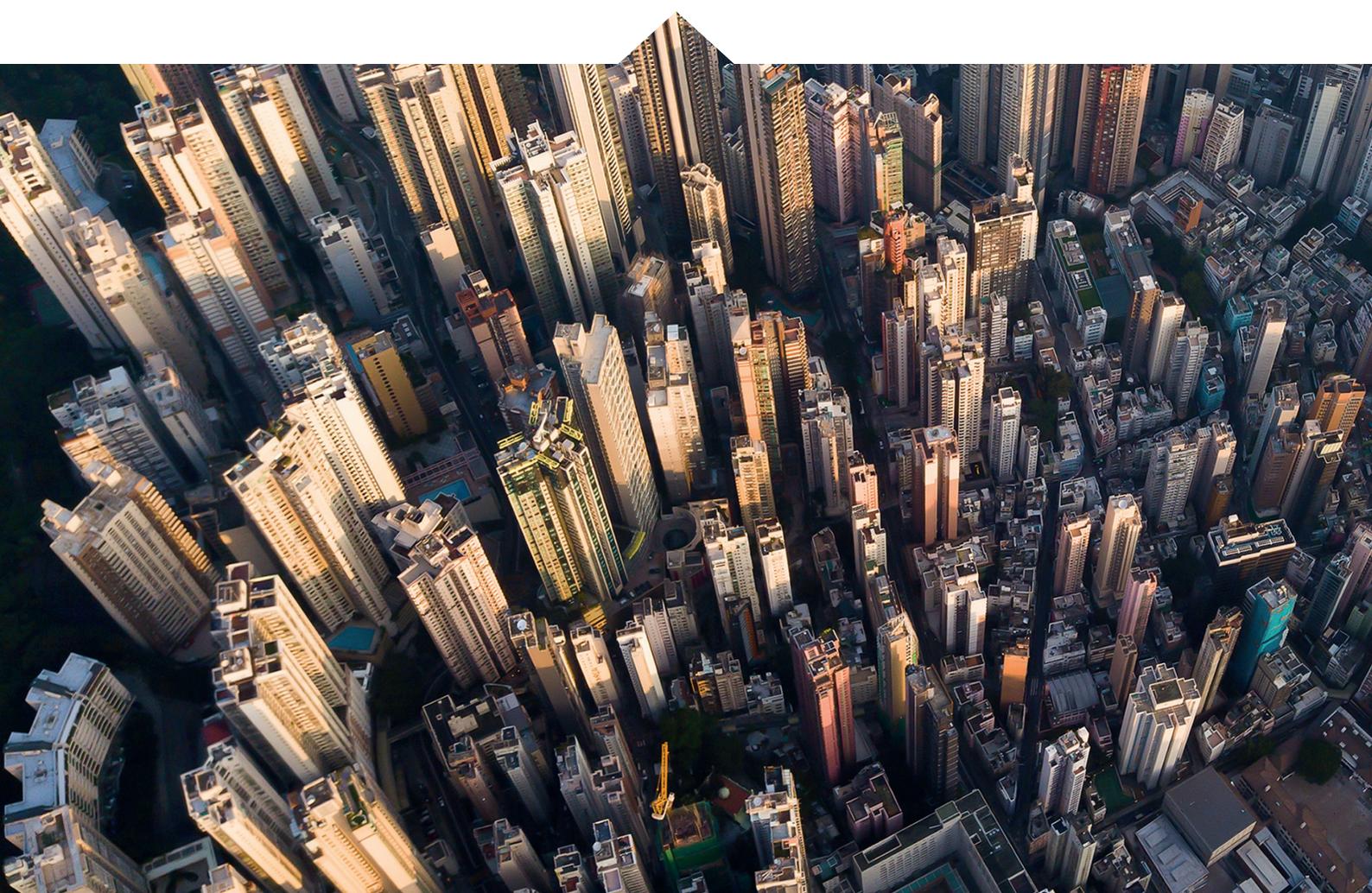
# Working Hand in Hand with Our Customers

We offer a wide range of customized Cellasto® NVH solutions for many applications in the elevator industry.

A dedicated global sales and engineering team develops, manufactures, and distributes tailor-made Cellasto® components to improve elevator's comfort and safety.

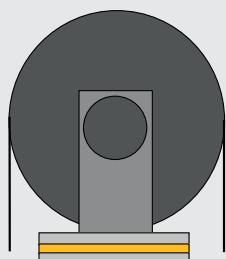
Discover the many uses of Cellasto® and get to know our global organization. We operate local production facilities worldwide and offer solutions tailored to meet your requirements. Learn more about the different applications of this fascinating material and challenge us to accompany you into the future.

Tailor-made Cellasto®  
Solutions for Special  
Requirements



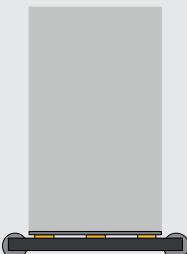


# The Customized World of Cellasto®



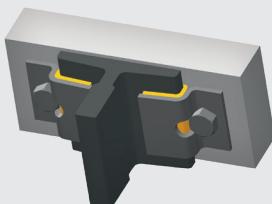
## Cellasto® Engine Bearing

Offers outstanding vibration isolation and long-term durability



## Cellasto® Cabin Isolator

Decouples cabin from pulley beam vibration



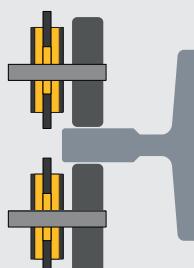
## Cellasto® Rail Isolator

Avoids transmission of operational vibration into elevator shaft



## Cellasto® Rope Buffer

Softens acceleration peaks at cabin and counterweight



## Cellasto® Roller Guide Mounts

Keeps wheels in position and isolates cabin from wheel vibration

# We Are Looking Forward To Your Message!

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