



BACK CHECKS

PREVENT UNCONTROLLED OPENING OF
HINGED DOORS AND WINDOWS

PROBLEMS DUE TO DOORS OPENING TOO FAST

THE PROBLEM:

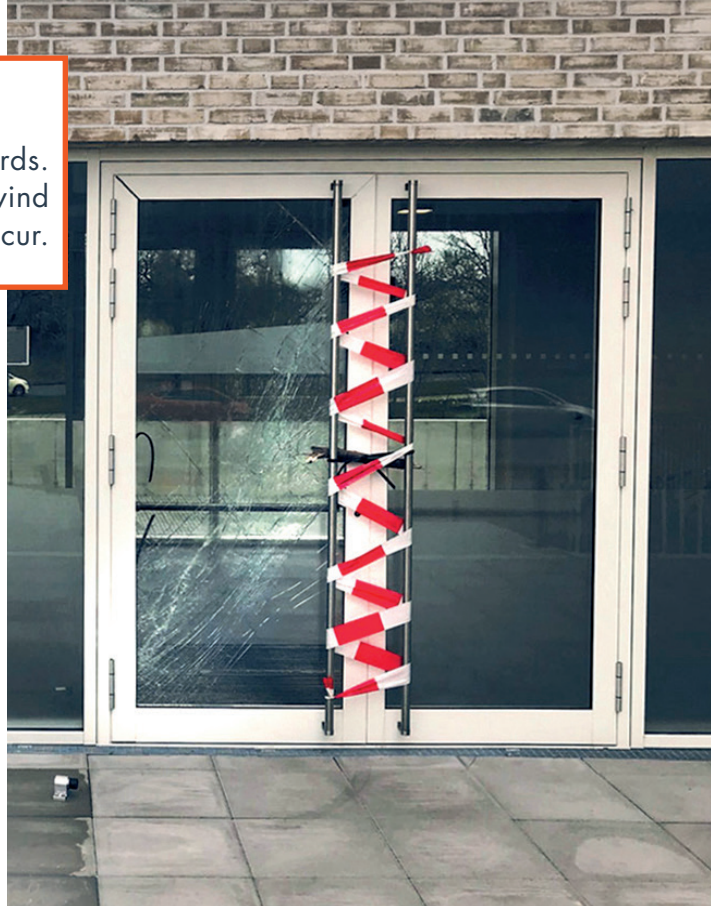
Many buildings have doors that open outwards. If these doors are thrown open by gusts of wind or careless operation, serious damage can occur.

Possible consequences of an uncontrolled door opening:

The door is blown open by the wind and hits against the façade of the building or against something near the door, like a car or even a person.

The result: torn-out hinges, damaged overhead door closer, broken glass panes in the case of glass doors, damaged house façades, etc.

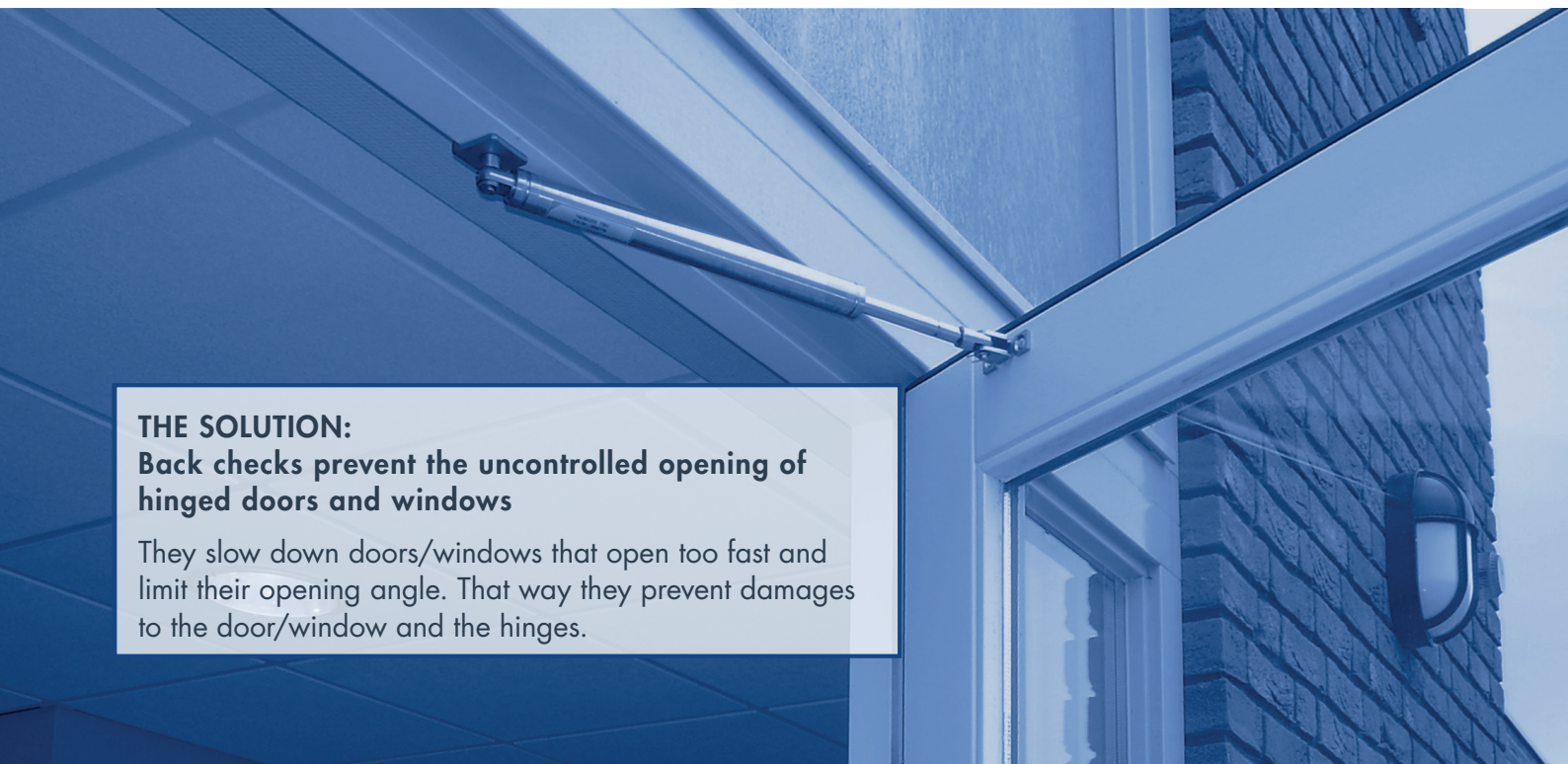
And, in worst-case scenario, the door could even hit someone that passes by or be torn out of the hand of the person opening it, which can lead to personal injury.



THE SOLUTION:

Back checks prevent the uncontrolled opening of hinged doors and windows

They slow down doors/windows that open too fast and limit their opening angle. That way they prevent damages to the door/window and the hinges.



BACK CHECKS TO PREVENT DAMAGES



For doors that get torn out of the hand by wind, drafts or even during normal opening



Ensure controlled and smooth opening of hinged doors and stop them from slamming open



Slow opening doors down and control the motion while opening



Limit the opening angle & keep doors from hitting anything without tripping hazards



Prevent damage to the door, the hinges and the walls



Protect passers-by from the risk of injury due to doors that open too quick

APPLICATION AREAS

ENTRANCE DOORS



Wind or draft may pull doors away from the hand and hit against the facade, the wall or, in worst-case scenario, someone that passes by. Back checks help prevent damages such as torn out hinges or broken overhead door closers, along with personal injury.

INDUSTRIAL BUILDINGS



Problems also often arise with exterior doors in industrial buildings. If these slam open due to the wind, it can pose a safety hazard. Back checks ensure safety by slowing down the door as soon as the speed of the door becomes too quick.

PUBLIC BUILDINGS



Highly frequented doors in public buildings (town halls, trade fairs, public toilets, etc.) can often open too far due to careless operation. Back checks are the perfect alternative to door stops here, as they do not pose a tripping hazard. They also protect the door and its hardware.

SCHOOLS & DAYCARES



Doors in schools and daycare facilities are often exposed to the rush of children who want to leave the building as fast as possible. Back check prevent an uncontrolled opening and damage to the door, together with possible injuries to the students and teachers.

SHOPS



Shops often have large glass entrance doors. These heavy doors can quickly become a danger to passers-by if the speed becomes too high due to wind, draft or careless operation.

WINDOWS



Especially in buildings where windows are operated frequently, wind, draft and carelessness may lead to damages, which often result in high repair costs. Back checks are also the ideal solution in this case, and can also be easily installed on tilt and turn windows.

INSTALLATION OPTIONS

Thanks to a wide variety of mounting brackets and plates, it is possible to install back checks on nearly every door:

- ✓ Doors with or without overhead door closer
- ✓ Single or double-leaf doors
- ✓ Doors that open outwards or inwards
- ✓ Also suitable for windows
- ✓ ...and many other applications




INSTALLATION OPTIONS FOR ALMOST EVERY APPLICATION

We will be happy to help you select the correct
model and installation accessories



Further mounting situations under www.dictator.com > Products >
Door closing solutions > Back checks > Installation situations

FEATURES OF THE PRODUCT



Models with either
preset or adjustable
damping force

Models in
different lengths
and with different
damping force
available

Cylinders available
painted in
RAL colors,
in AISI 304 and
AISI 316

Optional with
integrated hold-open
(no tripping hazard
with door stops
on the floor)

Fixing accessories
for a wide range of
installation options,
even together with
overhead door closers

FEATURES & ADVANTAGES

MODELS

- **Back check TB series** (non-adjustable models)
- **Back check TBR series** (with adjustable damping force)
- By reducing the oil quantity in the TB, it is possible to adjust the opening angle at which the damping begins
- Depending on door weight, opening angle and installation situation, different models are available in two diameter ranges:
 - TB: 10-23 mm and 14-28 mm
 - TBR: 10-28 mm and 14-35 mm

ACCESSORIES

We offer a wide range of mounting brackets and plates that make installation possible on nearly every door.

CYLINDER FINISH

- Standard paint finish (satin):
 -  RAL 9006
White aluminum
- Economic and fast painting also possible in the following colors:

 RAL 7040 Window grey	 RAL 7016 Anthracite grey	 RAL 9005 Jet black	 RAL 9007 Grey aluminum	 RAL 9016 Traffic white
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- Other RAL colors available on request
- Also options in stainless steel (AISI 304, AISI 316)

ADVANTAGES

- ✓ Many models for a wide range of doors
- ✓ Also available in special sizes - contact us to know more
- ✓ Optionally with integrated hold-open
- ✓ Can be used in combination with overhead door closers
- ✓ No tripping hazard due to door stoppers on the ground
- ✓ Products made in Germany, thus meeting the highest quality standards
- ✓ Our service: We'll be happy to help you choose the right model and calculate the fixing points for your application

APPLICATIONS

BACK CHECK PROTECTS EXCLUSIVE SHOP IN THE KRANHAUS NORD, COLOGNE

Wind turned the large glass entrance door into a danger for passers-by, the façade of the building and the door itself.

The ground floor of the Kranhaus Nord houses many exclusive shops. One of these shops has a large glass entrance door (approx. 1.45 x 2.4 m, weight around 140 kg), which repeatedly slammed open violently due to the frequent strong winds here.

The consequences: damages to the door, the door closer and the façade. And it was only a matter of time before the door possibly injured someone passing by.

The solution to this problem was quite simple:

The door was retrofitted with a stainless steel back check. The installation position was calculated by DICTATOR exactly for this application in order to achieve an perfect function and taking into account the existing overhead door closer.

Whenever the door begins to open too quickly, the back check enters into action and ensures a cushioned opening movement of the door.

And now, the door doesn't slam open any longer.



A landmark in Cologne's skyline: the 'crane houses' in the riverbank of the Rhine. The buildings are modelled after harbor cranes of the old Cologne docks.



You can find further application examples under
www.dictator.com > References > Door closing solutions

NO MORE BROKEN SCHOOL DOORS THANKS TO DICTATOR'S BACK CHECKS

The DICTATOR back checks ensure functioning school doors at the École Voltaire.

In the Franco-German school École Voltaire in Berlin, the heavy entrance doors of 2.2 x 1.3 m per leaf are constantly exposed to the force of many children who want to leave the school building as soon as possible.

The existing overhead door closers with integrated damping could not withstand this, which often resulted in damages to the door closers, the school door and a risk of personal injury for the children.

Robust school doors thanks to back checks

DICTATOR was then commissioned to install back checks on the school doors. These reliably prevent them from opening too quickly or from slamming open. They also limit the maximum opening angle without having to install bumpers on the floor, which could be a tripping hazard.



EFFECTIVE DAMAGE PREVENTION IN SCHOOL WINDOWS

Just like doors, windows in schools have to deal with more than just wind and drafts: the often careless use of the students.

To prevent consequences such as broken glass and damage to hinges or walls, DICTATOR back checks were installed during the renovation of this high school. Despite being mostly used on doors, back checks are also the perfect solution for windows. Thanks to their hydraulic damping, they gently slow down the opening of windows and limit their opening angle. This prevents them from being able to slam open and hit something or someone.

Back checks with adjustable damping force were chosen for the windows in nine different sizes. That way the damping force can be adjusted perfectly on the different windows directly on site. To ensure a perfect function, DICTATOR also calculated the fixing points for each window individually.





DICTATOR SERVICE

To make sure you get the ideal product for your application, we will be happy to help you choose the right model and to calculate the fixing points for it, of course, free of charge.

To do so, please scan the QR code, fill in the form and send it to us together with photos of the door from the inside and the outside at anfrage@dictator.de




Individual advice

A key service always included with our products



Many years of experience

in developing solutions for doors and gates



Custom solutions are our "standard"

Individual and complex system solutions, no matter whether for small or large projects



As partner by your side

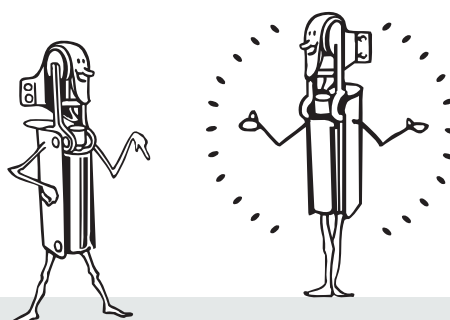
We support you from initial planning to post-purchase

THE NAME "DICTATOR"

We are often asked how we came up with the, admittedly somewhat unusual, name DICTATOR. The name has its roots in the invention of our first product:

A German and a Dutchman invented a "hydraulic shock absorber and door closer" in 1930. This special type of door closer dampens the door shortly before closing, quietly pulls it shut and keeps it closed.

Its inventors called this product 'dictator', because it dictates the door how to close.



DICTATOR – The Driving Force in Motion Control

ABOUT DICTATOR

DICTATOR is a worldwide group with its main focus of operation in Europe. The headquarters is located in Neusäß near Augsburg. Our products are manufactured in our own production facilities in Europe. This ensures the highest quality and allows us to provide custom solutions for every customer requirement at short notice.

HEADQUARTERS

DICTATOR Technik GmbH
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86356 Neusäß
Germany

PRODUCT RANGE

- Lift & Lift Equipment
- Door Closing Solutions
- Hydraulic Dampers
- Door & Gate Operators
- Fire Door Operators
- Fire Door Control Solutions
- Gas Springs
- Door Interlock Systems



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