

**DICTATOR**



*The Driving Force in Motion Control*

## **OUR COMPANY**

About DICTATOR	4
Production sites	6
Customer service	7

## **OUR PRODUCT PORTFOLIO**

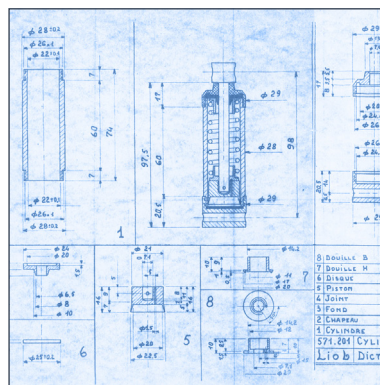
Door closing solutions	9
Hydraulic dampers	11
Gas springs	12
Lift equipment	13
Door and gate operators	14
Door interlock systems	15
Fire door solutions	16

## **OUR SOLUTIONS**

Secure opening and closing outdoors	18
Solutions for exclusive architecture	20
Fitting solutions for historic buildings	22
Durable solutions for the industry	24
Sustainable solutions for public buildings	26



# COMPANY



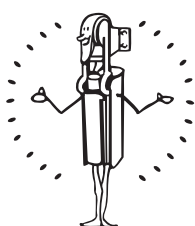
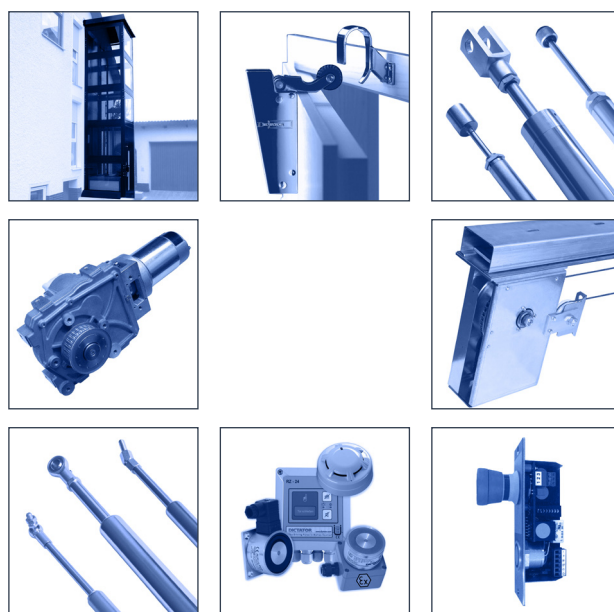
# DICTATOR Technik Quality and Experience since 1932

DICTATOR is a family-run, medium-sized company with its headquarters in Neusäß near Augsburg, Germany, and several own production sites in Western Europe.

Our wide range of products offers innumerable possibilities for the controlled movement of doors, gates, windows, flaps and more.

## DICTATOR at a glance

- Headquarters: Neusäß near Augsburg, Germany
- Product range: Lift equipment, door closing solutions, door interlock systems, door & gate operators, fire door operators, fire door solutions, gas springs and hydraulic dampers
- Founded in 1932
- Family-owned since 1971
- Sales offices in 22 countries
- 130 employees
- Production sites in Germany, the Netherlands, Spain and England



## 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.



# *The DICTATOR Family: We're here to help!*

## Company philosophy

Despite all technological progress, people are still the core of our company. They are the key to our success, because only by working together with our customers can we find the best solution for each and every requirement.

DICTATOR stands for a family business in which the family is made up of all employees. Personal relationships within the company as well as with our customers and suppliers are of utmost importance to us.



## DICTATOR international

International cooperation within the DICTATOR Group is also highly important. We hold meetings on a regular basis to foster exchange and cooperation within the group and thereby help to grow the company together.

# DICTATOR production sites



All DICTATOR production sites are located in Western Europe



Each site is specialized in specific segments of our product range



State-of-the-art technology assures highest quality standards



Custom solutions possible even on short term to fulfill customer needs

## DICTATOR Productie Emmeloord, the Netherlands

- ✓ Door dampers
- ✓ Lift door dampers
- ✓ Swing door hinges
- ✓ Door holders
- ✓ etc.

## DICTATOR Berlin Bernau, Germany

- ✓ Gas springs
- ✓ Hydraulic dampers
- ✓ Door closers
- ✓ Back checks
- ✓ Many custom solutions

## DICTATOR Engineering Lenham, UK

- ✓ Gas springs
- ✓ Oil dampers for the British market

## WaCo Gerätetechnik Dresden, Germany

- ✓ Electromagnets
- ✓ Counter plates
- ✓ Components for interlock control systems (power packs, central units, terminals, etc.)



## DICTATOR Española Barcelona, Spain

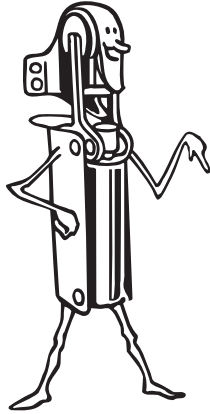
- ✓ Homelifts
- ✓ DHE lifts
- ✓ Lift shaft system

## HAUG Antriebssysteme Bitz, Germany

- ✓ Door & gate operators
- ✓ Operators for fire doors
- ✓ Spring rope pulleys
- ✓ Sliding door closers
- ✓ Radial dampers

## DICTATOR service:

*We don't just supply products, we offer an "all-round carefree package"*



**What drives us?** We are committed to providing our customers with the right solution for their individual needs - no matter whether it is just a single gas spring or a highly complex automation solution.

We like to think outside the box and we like to give free rein to our imagination until we find the perfect solution. This, of course, only paired with expert know-how, extensive experience and clearly structured processes. This work style inspires us and brings us joy.



### 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

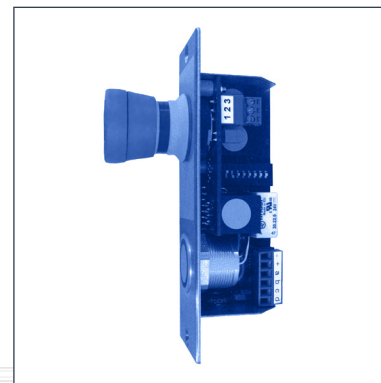
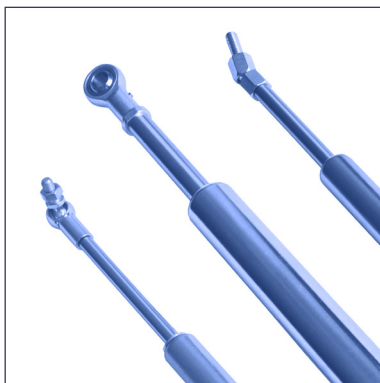
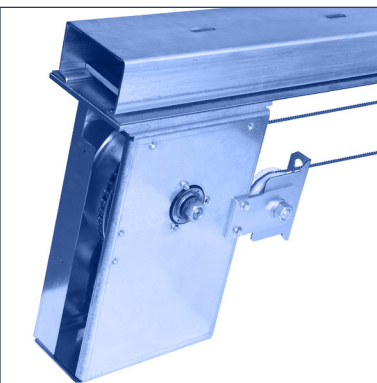
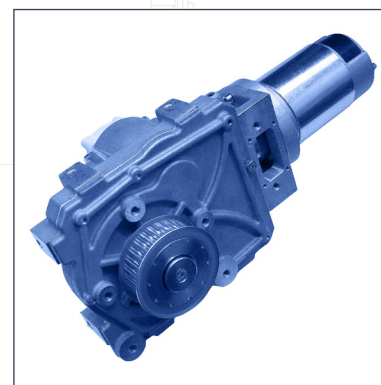
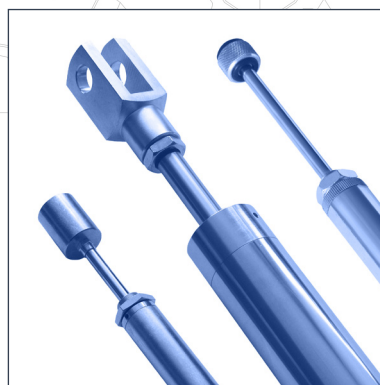
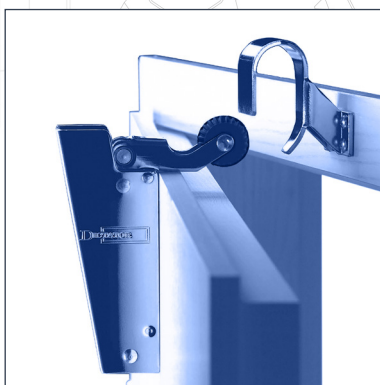


### As partner by your side

we support you from the initial planning to post-purchase



# PRODUCTS



# DOOR CLOSING SOLUTIONS

Since 1932 the name DICTATOR has been synonymous with reliable mechanical hardware solutions for closing and/or damping the movement of a wide variety of doors: from hinged to sliding doors, also including swing doors and pivoting doors.



## DOOR DAMPERS

Slow down closing doors, pull them securely shut and keep them closed

- ✓ The original from DICTATOR - since 1932
- ✓ Large variety of models for almost every installation situation



## BACK CHECKS

Prevent hinged doors and windows from being thrown open

- ✓ For doors and windows that can slam open due to carelessness or when caught by gusts of wind. By damping the opening they help avoid damage to walls and hinges and prevent accidents
- ✓ Also available with hold-open function
- ✓ Can be combined with overhead door closers



## DOOR HOLDERS

Keep doors secure in any position, with compact dimensions despite stroke lengths up to 200 mm

- ✓ Robust construction paired with elegant design. Ideal for outdoor use or humid environment thanks to its rustproof material





## SWING DOOR HINGES

Double action spring door hinges for swift movement of swing doors

- ✓ After swinging briefly, the door quickly closes again, keeping noise to a minimum
- ✓ Different size options suitable for lightweight partition doors up to large, heavy industrial doors
- ✓ Available with hold-open function to keep swing doors open at 90° when desired

## Door closers for hinged doors & gates



## HYDRAULIC GATE CLOSER DIREKT

- ✓ Especially suitable for outdoor pedestrian gates, but also used on arched doors and wherever there is not enough space for a conventional door closer above the door. It delivers steady closing speed and provides secure self-closing access control.

## FLOOR SPRING

for heavy doors up to 600 kg



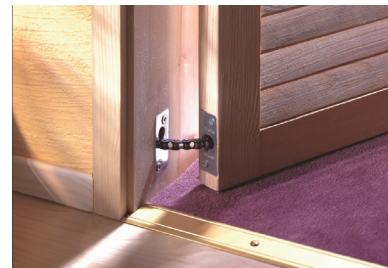
## TUBE DOOR CLOSER RTS

for built-in installation



## CLOSING SPRINGS

simple door closers



## Door closers for sliding doors



## DICTAMAT 50

- ✓ Modular, flexible closing system for sliding doors with adjustable closing speed



# HYDRAULIC DAMPERS

DICTATOR's hydraulic damper product line offers a wide spectrum of different linear dampers as well as radial dampers.

In addition to the extensive standard range, we also manufacture custom-made hydraulic dampers –even in small quantities or single units.



## FINAL DAMPERS

**Slow down movement shortly before reaching the final position**

- ✓ Continuously adjustable speed and thus optimally adjustable to the respective requirements
- ✓ There are different diameter ranges for different masses to be damped
- ✓ Can also be manufactured to customer specifications

## OIL DAMPERS

**Ensure that a flap/door is slowed down all the way and moved at a controlled speed**

- ✓ Manufactured to customer specifications to deliver the optimal solution for each application
- ✓ Free calculation and consultation service
- ✓ Preset and adjustable oil dampers–also for hinged gates with rising hinges

## RADIAL DAMPERS

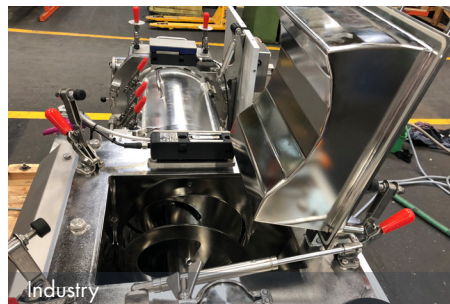
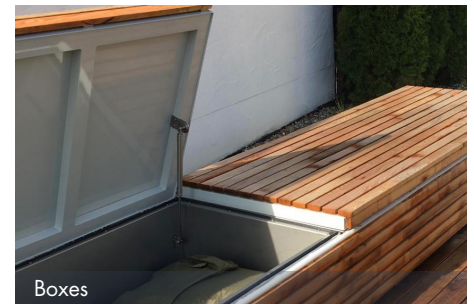
**Ensure damped opening and closing of sliding doors and gates**

- ✓ Steady speed control over long distances
- ✓ Ideal to avoid high inertial forces
- ✓ Continuously adjustable damping
- ✓ Also approved models for sliding fire doors

Decades of experience together with our flexible and highly efficient production put us in a position to manufacture high-quality gas springs, exactly tailored to customer needs, even for small delivery lots or individual items.

## Our service makes the difference

We, at DICTATOR, attach great importance to individual advice. After all, a good gas spring on its own is not enough for a safe and fully functional solution. Numerous other factors should also be taken into account for a perfect function, such as an accurate calculation of its fixing points. This is included as a service with our gas springs, regardless of whether it's a large amount or just one.



## PUSH TYPE GAS SPRINGS

Provide controlled movement of flaps, hatches, windows, covers or other movable components, such as for opening and closing them.

## PULL TYPE GAS SPRINGS

Used whenever it's not possible to use a normal push type gas spring, for example, due to lack of space or difficulty in finding suitable mounting points.

## GAS SPRINGS WITH FLOATING PISTON

Designed for applications which require slow and controlled operating speed. Useful, among others, for sensitive equipment.

## LOCKING GAS SPRINGS

Offer, in addition to the normal function of the gas spring, the possibility to fix the moving object in any position.

## VARIABLE SPEED GAS SPRINGS

Combine the function of a gas spring with a hydraulic damper. Perfect for applications which require the extending speed of the gas spring to be adjustable.



# LIFT EQUIPMENT

For decades the name DICTATOR has been associated with lift accessories, especially due to our Standard lift door dampers.

Today, however, the lift equipment range programme not only includes door closers and other products for hinged and sliding lift doors, but also complete lift systems such as the Homelift DHM 500 and the DHE lift, as well as shaft systems.

## Lift systems



### HOMELIFT DHM 500

Custom solutions – even for very small spaces



### DHE LIFT

Exceptionally compact dimensions for shaft pit and shaft head



### LIFT SHAFT SYSTEM

Modular, completely screwable solution for inside and outside, not just for DICTATOR lifts

## Accessories for lift doors

- Lift door dampers
- Landing door damper
- Door closers for hinged and sliding lift doors
- Closing springs for lift doors
- Tube door closers





DICTATOR is a specialist supplier of operators for doors, gates or other applications requiring automated movement. Thanks to the modular nature of our systems, it is possible to cover a great range of applications.

We also develop custom solutions of all kinds for specific customer requirements. We work out a complete concept for each application, taking into account all relevant standards and regulations as well as the detailed specifications of our customers.

## OPERATORS FOR HINGED DOORS



- ✓ In addition to our standard programme, also custom solutions are possible
- ✓ Suitable for complex applications
- ✓ Solutions also for large or heavy hinged doors even with strong wind load

## OPERATORS FOR SLIDING DOORS



- ✓ Solutions with both three-phase and direct current motors
- ✓ Large standard product range
- ✓ Custom solutions for complex requirements
- ✓ Technical advice included

## OPERATORS FOR FIRE DOORS



- ✓ For hinged and sliding doors
- ✓ From individual components to fully automatic operator systems
- ✓ Large, modular and very flexible product range

# DOOR INTERLOCK SYSTEMS

In places where controlled environmental conditions or cleanrooms are required, such as in certain research labs or in the food, pharma or biotech industries, it is necessary to have an interlock control system. With it, access to certain rooms can be regulated in relation to other doors.



## Advantages

- ✓ No programming knowledge required
- ✓ Easy installation
- ✓ Integrated access control
- ✓ Flexible adaptation thanks to its modular nature
- ✓ Integration in complex building control systems possible
- ✓ Approved for doors in escape routes

## Common applications



## Additional components



### BAR MAGNETS

For locking escape and access doors. Also suitable for retrofitting



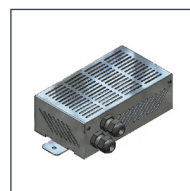
### ACCESS CONTROL

Separate access control system for individual doors



### DOOR LOCKS

Electrical door locks as an alternative to bar magnets



### POWER PACKS

For power supply to the components of the interlock control system

Hold-open systems provide safety and, at the same time, make life easier. They keep fire and smoke protection doors in fire protection closures open during normal operation and ensure that they close automatically in case of an alarm. This ensures that a fire cannot spread unhindered throughout the building. Of course also for hazardous areas.

## Components



### CENTRAL UNITS FOR HOLD-OPEN SYSTEMS

The heart of the hold-open system. Covers all essential functions: power supply, command and manual switch



### SMOKE OR HEAT DETECTORS

Report a fire to the central unit and thus ensure that the hold-open system is triggered



### ELECTROMAGNETS & COUNTER PLATES

Keep fire doors open. The holding force of the electromagnets can only be guaranteed in combination with the fitting counter plates



## Accessories for fire protection doors



### DOOR DAMPERS FOR FIRE DOORS

Often fire doors do not close completely despite closing devices or they close with a loud bang. The door damper quietly intercepts the closing door, dampens it gently, pulls it into the lock and keeps it reliably closed.

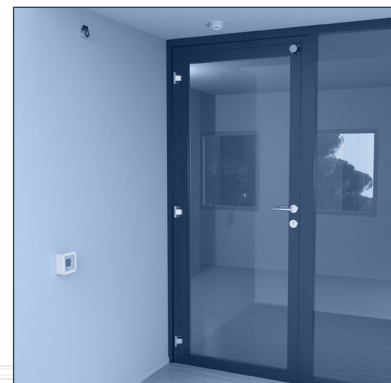
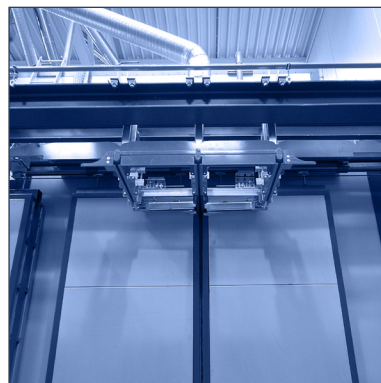
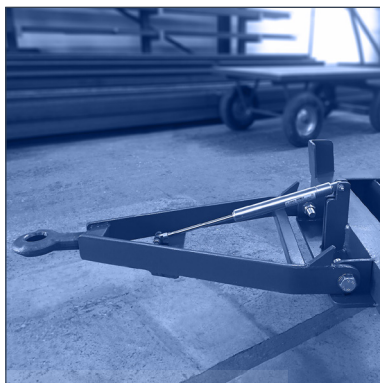


### HLS THERMAL BOLT

In case of fire, the high heat and pressure differences can distort the door, breaking the integrity of the fire seal. The HLS thermal bolt prevents this by securely and automatically locking the door into the door frame.



# SOLUTIONS



# SAFE OPENING & CLOSING OUTDOORS

DICTATOR products for outdoor use are weather-resistant and can operate in a very wide temperature range. We provide models with different surfaces and finishes to ensure a long operational life, even under harsh conditions.

## HYDRAULIC GATE CLOSER DIREKT

**Ensures securely closed doors and gates everywhere**



Whether on garden doors or pedestrian access gates to private or commercial property, the hydraulic gate closer DIREKT is used to securely close gates—and also doors—in a wide variety of locations. A key feature is its continuously adjustable, steady closing speed without latching action. Additionally, its speed can be adjusted according to user's needs also after installation.



## GAS SPRINGS

**For an easy and safe operation of hatches and flaps**

Many buildings have hatchways as an escape route from the basement, like this café in Cologne, Germany. In case of emergency, the hatch has to be able to open on its own after unlocking and remain open.

However, these requirements may vary from one case to another. That is why DICTATOR takes each application into consideration individually. Based on information about dimensions and weights, frequency of operation, ambient temperature, etc., we determine the perfect gas springs for each application, including exact fixing points to ensure perfect function.



# SAFE OPENING & CLOSING OUTDOORS



## ADJUSTABLE OIL DAMPERS

### **For controlled movement of access gates on slopes**

Entrance gates on slopes can pose a great danger if they close too fast due to the incline. Not only can the entire gate construction suffer from this, there is also a considerable risk of people getting injured by a gate that closes too quickly.

The adjustable oil damper is specially developed for outdoor use. It is available with different stroke lengths, its damping force is continuously adjustable and, in consequence, the damper can be accurately adapted to the gate even after installation.



## TUBE DOOR CLOSER RTS

### **Built-in door closer for secure closing without risk of vandalism**

The tube door closer is used when it is necessary to close access gates automatically, but there should be no visible door closer that could be tampered with. This is particularly important in places where security may be an issue.

Its key features: flexible plastic joint, adjustable damping force and a clean look. These features result in a long-lasting and reliable solution.



# SOLUTIONS FOR EXCLUSIVE ARCHITECTURE

High-end architecture often has special and sometimes unusual requirements that in many cases cannot be solved with standard products.

We like to take on this challenge. After all, our strength is to find a suitable solution even for special cases.

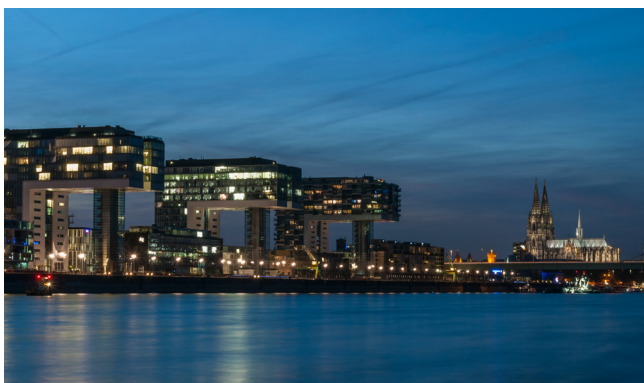


## ADJUSTABLE OIL DAMPER ÖDR

### **Controlled opening of custom-made access gate**

Architecturally, an eye-catcher: an access gate that looks like a continuation of the facade of the house. Technically, however, a challenge due to its 200 kg. As the door is exposed to a high wind load, it has to be slowed down during opening in order to prevent a potentially dangerous impact.

Two adjustable oil dampers make sure that the door opens slowly and is easy to operate, even under strong winds.



## BACK CHECK

### **Protects entrance door to exclusive store**

Strong winds can turn many large entrance doors into a safety hazard for pedestrians and cause damage to the walls, the hardware and the door itself, as is the case of the Kranhaus Nord, a Cologne landmark.

Now the back check always reliably slows the opening of the door down, which results in considerable savings on repair costs and prevents injury of passers-by.



# SOLUTIONS FOR EXCLUSIVE ARCHITECTURE



## GAS SPRINGS

### **Custom windows for the London City Hall**

The windows of the London City Hall, which make up a large part of its façade, are fitted with more than 3,600 DICTATOR gas springs.

Due to the unusual shape of the building, each gas spring had to be calculated individually for each window to achieve a perfect function. Of course, this was no problem for the DICTATOR calculation service.

The custom gas springs were then manufactured for every single window and packed and labelled in such a way that each gas spring could be easily assigned to its respective window during installation.

## FLOOR SPRING WAB 180

### **Suitable for heavy pivoting doors**

The floor spring is here used on a 160 kg pivoting door in the Haarlemmermeer crematorium near Amsterdam.

It can close doors up to 600 kg safely and reliably without a problem, even when subjected to frequent operation or when exposed to fluctuating temperatures.

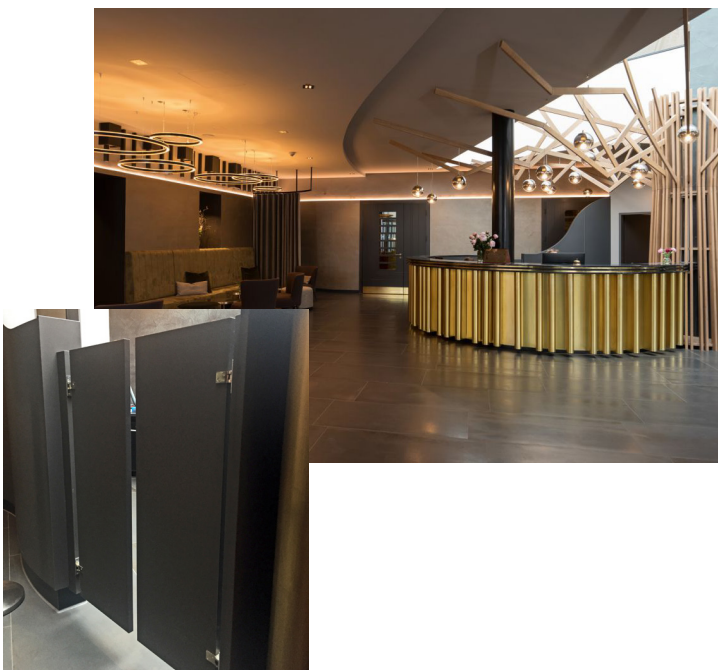


## SWING DOOR HINGES

### **Close swing doors quietly and without long swinging action**

DICTATOR swing door hinges ensure safe and controlled closing of small to large swing doors, as in the reception area of this hotel lobby.

They can be used for a wide variety of applications, from partition doors in restaurant kitchens or counters in stores, up to heavy-duty industrial doors. With them, swing doors close swiftly and without making much noise. They can also hold the door open at 90°.





# SUITABLE SOLUTIONS FOR HISTORICAL BUILDINGS

Historical buildings have their own rules: Their character should be preserved and many structural elements do not meet today's standards. And that is exactly what gives them their charm.

DICTATOR products help to preserve this character while also adapting them for today's needs.



## GAS SPRINGS

### **Safe operation of floor hatch in a historical landmark**

This hatchway is located in a half-timbered house built in the 1760s. The hatch should open effortlessly from both the basement and the ground floor and it should be able to stay open without falling. And this required a custom solution. In addition, the fixing points for installation had to be carefully chosen so that the gas springs would not obstruct the already narrow stairway even more – a challenge that DICTATOR takes on gladly.



## DOOR CLOSER DIREKT

### **Closes gothic lancet door slowly and reliably**

Ordinary overhead door closers are very difficult to install on arched doors. This lancet church door needed to close automatically, but its aesthetic shouldn't be spoiled by a door closer.

The door closer DIREKT is perfect for this door, not only for aesthetic reasons, but also because its closing speed can be set to a very slow speed. After all, every churchgoer should be able to go through the door at their own pace. And, even at a slow speed, the DIREKT closes the door completely and securely.





# SUITABLE SOLUTIONS FOR HISTORICAL BUILDINGS

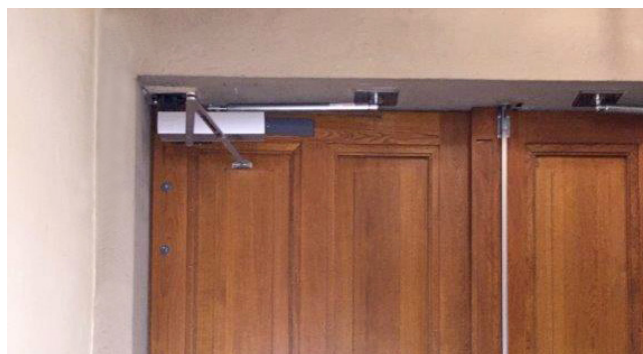


## TUBE DOOR CLOSER RTS

## 'Invisible' installation to preserve the look

The entrance area of this city hall from the 1800s was modernized and furnished with a glass door to make it more open and visitor-friendly. However, all hardware should be invisible and hidden in the door.

The DICTATOR tube door closer RTS is built into the steel mid-section of the glass door. The closer is practically invisible to visitors to the city hall and doesn't disrupt the stunning appearance of the building.



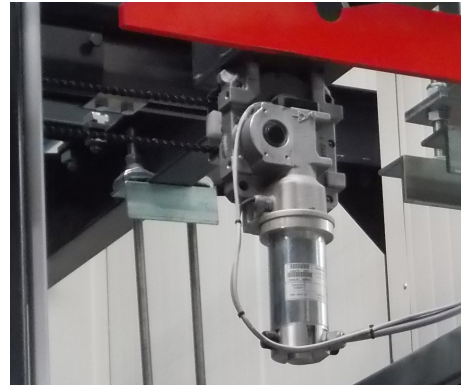
## BACK CHECK

## Effective protection against gusts of wind

The door leaf of this pilgrimage church was caught by a gust of wind and opened so violently that it pushed a visitor down the stairs in front of the entrance. The door hinges were also bent by the impact. Now, the retrofitted back check not only prevents the door from opening too fast, it can also be held open at 90 degrees. This wouldn't be possible in any other way, as a floor stopper cannot be installed here due to the potential tripping hazard.

# DURABLE SOLUTIONS FOR THE INDUSTRY

Products used in manufacturing facilities must be absolutely reliable and fit exactly to the respective application for operations to run seamlessly. That's why we always take into account the conditions on site and develop solutions together with our customers to maximize productivity.



## MODULAR DRIVE SYSTEM

### **Custom automation solution for drying ovens in industrial paint shop**

This paint shop needed an operator for the doors to the drying ovens. The functionality of the door operator had to be tailored exactly to the customer's requirements so that the door movement perfectly coordinates with the processes in the paint shop. Additionally, high levels of safety had to be taken into consideration in order to prevent safety hazards for the staff.

The automation system MultiMove is especially designed for complex applications. Thanks to its highly versatile control unit, it was even possible to easily re-program certain specifications during its installation directly on site.



## GAS SPRINGS

### **Reliable support to workflows in industrial applications**

In industrial complexes there are numerous flaps that are difficult to operate due to their weight. Gas springs provide help for this strenuous work. And when used on machines, they ensure smooth motion in a wide variety of applications.

A defective gas spring can quickly result in high repair costs. That's why we attach great importance to manufacturing high-quality gas springs as well as to providing great customer support and fast delivery to contribute to keeping the business up and running.





## OIL DAMPERS

### **Contribute to a smooth operation and prevent accidents on tugger trains**

Oil dampers are used for many different applications to facilitate work with heavy elements.

Here, an oil damper on a towing bar keeps it upwards to save space and cushions the lowering movement steadily to avoid potential accidents.



## DOOR INTERLOCK CONTROL

### **Customized interlock solutions for people and goods**

DICTATOR interlock control systems feature much more than just user-friendly programming via DIP switches—they also offer great flexibility in their configuration and their functionality.

The interlock for this pharmaceutical company was configured to keep the doors wide open for the transportation of goods, so that it can also be passed through with a lift truck.





# SUSTAINABLE SOLUTIONS FOR PUBLIC BUILDINGS

Doors in public buildings are used very often and are usually subject to considerable wear and tear. Additionally, regulations normally impose high demands on the hardware installed here.

Our products provide sustainable solutions for frequently used doors thanks to their sturdiness and long service life.



## HOLD-OPEN SYSTEMS

### **Robust and resistant—fire safety in school buildings to protect students and staff**

Reliably functioning hold-open systems are vital for fire safety. In case of fire, they guarantee that fire doors close automatically and that the fire cannot spread unhindered throughout the building.

In this school in Quickborn, door closers had integrated hold-open systems in them, which, unfortunately, could not handle the heavy strain put on them by the students. Now, thanks to the DICTATOR hold-open system with external electromagnets, the school can rely on robust hardware that can easily resist high forces. Plus, the new system has led to drastic savings in repair costs.

## BACK CHECKS

### **School doors and windows require heavy-duty damping systems**

School doors and their hardware are subject to very heavy use, especially if the door is opened with a lot of “energy”. This often results in damage to the hardware, the door itself and potential risk of accident for the children.

Back checks prevent the doors from reaching high speeds when opening and limit the maximum opening angle without the need to install a door stop on the floor, which could be a dangerous tripping hazard.

Back checks are also used on windows to prevent them from opening too violently.



# SUSTAINABLE SOLUTIONS FOR PUBLIC BUILDINGS



## DOOR DAMPERS

### **Make sure that doors close gently and securely, and keep them closed**

Many entrance doors, especially those with a door closer, can slam shut very loudly. Others may not close completely even if they do have an overhead door closer and they leave a small gap that can be a security threat. Door dampers catch the doors right before closing, pull them slowly into the lock and hold them securely closed.



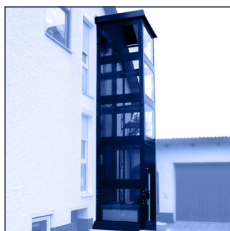
## FIRE DOOR OPERATOR

### **In action on 375 kg theater doors**

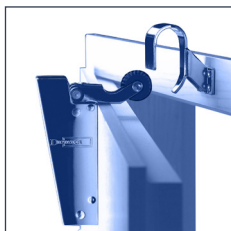
These fire doors integrated into the wood-paneled wall of a theater in the Netherlands required a customized automation solution, as it is not allowed to install anything on the outside of the doors. Therefore, neither a standard door closer nor a standard door operator could be installed here. Together with the door manufacturer, DICTATOR developed a custom operator system for the seven special doors in order to fulfill both fire safety regulations as well as the high demands for the protection of the visitors.



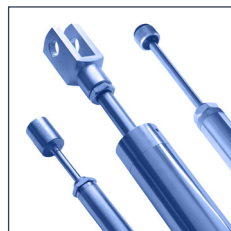
## *The Driving Force in Motion Control*



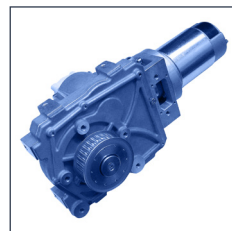
Lift Equipment



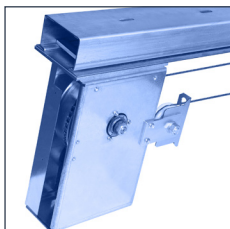
Door Closing  
Solutions



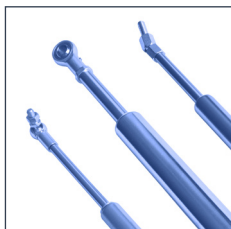
Hydraulic Dampers



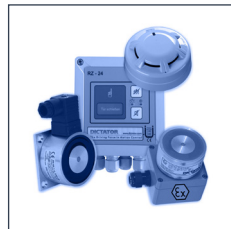
Door & Gate Drives



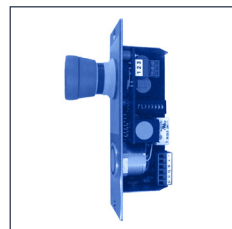
Fire Door Operators



Gas Springs



Fire Door Control  
Solutions



Door Interlock  
Systems



+49 (0)821 246730



[www.dictator.com](http://www.dictator.com)



[info@dictator.de](mailto:info@dictator.de)