

**NOT GETTING BENT OUT OF SHAPE.**

**High-speed doors with self - repairing zip-system  
and well-designed safety**

**Your advantages**

- ✓ Self-repairing
- ✓ Energy efficient
- ✓ Low wear
- ✓ Fast and simple installation



## Quickly open, quickly closed - and quickly ready for re- use again after every crash.

Quiet, fast and absolutely smooth -  
for maximum comfort and  
maximum economy.

Optimise your operational processes and reduce your energy consumption with our high-speed doors for indoor areas. These doors are ideal for use in industrial environments and logistics centres where they effectively separate different areas from each other while allowing smooth passage for industrial trucks. Thanks to their fast opening and closing mechanisms, these door make a significant contribution to increasing efficiency and reducing energy costs. The flexible curtain is self-tensioning and offers a maximum protection for employees and equipment. The sophisticated design ensures a virtually airtight seal, minimising draughts and illness-related staff absence.

Equipped with a self-repair system, high endurance properties and a robust design, our doors minimise downtimes and reduce maintenance costs.

**Thanks to the self-threading system, the simple installation and the low wear and tear, these doors offer a good cost-benefit ratio.**

See our efficient high-speed door for yourself now at [www.teckentrup.biz](http://www.teckentrup.biz)





Product video



### Attractive appearance

- Aesthetic and modern design
- Selection of vertical or horizontal positioning of the viewing windows
- Available in 5 RAL colours as standard, other colours on request
- Winding shaft and guide rails made of aluminium



### High safety and efficiency

- Improved traffic flow and less downtime
- Inner door tested as wind load class 1
- Integrated curtain inlet hopper in the rail system
- High-performance springs in guide rails guarantee optimum curtain tension
- Reduced risk of injury due to soft end profile
- Integrated light curtain with safety class E
- Plug and Play drive
- Special drive and control technology designed for continuous operation



### Strong service

- Simple and shortened installation with less time required thanks to delivery as a preassembled door
- Zip system with self-repair
- Easy to maintain thanks to 2-part aluminium rails
- Door running speeds variably adjustable
- Frequency inverter control ensures smooth door start and stop, guaranteeing a long service life
- Easy access when replacing spare parts
- Optionally with weight equalisation system combined with operator incl. operating current brake: door opens automatically in the event of a power failure
- Products can be easily configured online via TEO

# Technology that inspires: Door innovations for outstanding door performance

Our high-speed doors fulfill highest requirements in terms of safety and energy efficiency. As standard, the door offers a range of advanced functions that you would expect from a high-performance high-speed door, combined with an aesthetic and modern design. The standard light curtain with the highest security class covers the

entire door width up to a height of 2500 mm. If obstacles are detected, the door stops immediately and opens. The self-repair function ensures that the door curtain quickly adjusts the zipper and is working again properly.



## Crash protection: minimising repair costs

Despite all the precautions taken, accidents cannot always be avoided in hectic day-to-day operations - a forklift truck, for example, can quickly ram into the door. Our doors are therefore equipped with an integrated crash protection system that automatically absorbs the impact. The door curtain is released from the guide rails, preventing damage to the door. Thanks to an integrated curtain retraction funnel in the rail system, the door repairs itself by automatically retracting the zip system when it is raised. This ensures increased safety and at the same time improves the efficiency of the door system.

- Protects people and material
- Avoids damage and downtime
- Is quickly ready for operation again
- Crashes remain without consequences



## Reliable drive and control technology

Our high-speed doors open and close in just a few seconds. They owe this impressive speed to the lightweight material and a specially developed drive and control technology that is optimised for continuous use. The drive with frequency inverter guarantees maximum reliability. Smooth starting and stopping significantly extends the service life of the drive and other door com-

ponents. The frequency inverter control also increases productivity in areas such as logistics, manufacturing or retail. It ensures fast opening and smooth operation and reliably regulates the flow of traffic and goods.

# Our high-speed door - simply convincing!

The flexible, gravel-filled bottom profile prevents draughts from entering by levelling out uneven floors. It also minimises damage to people and doors. The bottom profile has been designed without a ground blade (made of steel or aluminium), which can bend in the event of a crash and may have to be replaced. Like the levelling springs, the bottom profile contributes to the curtain tension of the high-speed foil door.



Soft end profile without aluminium or steel blade

Light grids with the highest safety class (class E) are installed in the side guide rails as standard. They ensure that the closing process of the door is stopped if someone or something interrupts the light grid. The door then moves up again automatically.



Light curtain with the highest security class

## Strike the right tone in terms of colour:

- 5 standard colours for curtains
- More colours on request

### Standard colours



Carmine red  
(RAL 3002)



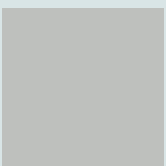
Gentian blue  
(RAL 5010)



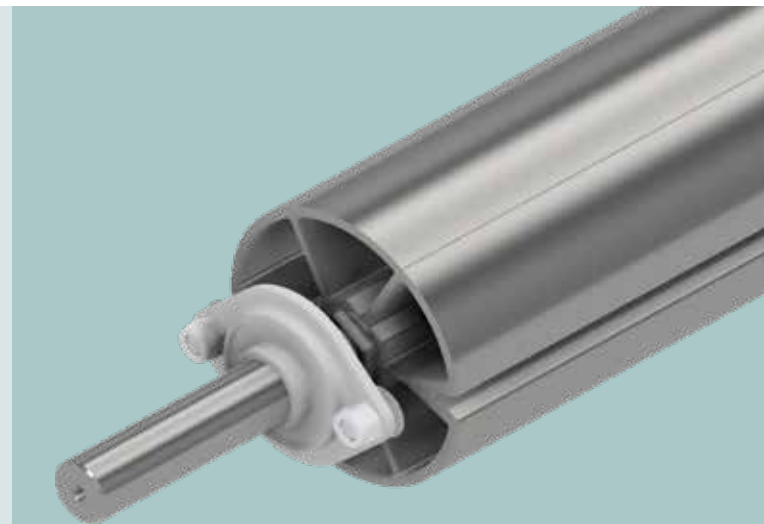
Signal yellow  
(RAL 1003)



Orange  
(RAL 2004)



Agate grey  
(RAL 7038)



### Lightweight aluminium winding shaft

The newly developed aluminium winding shaft enables precise rotation and therefore a low noise level when opening and closing the high-speed film door. The aluminium winding shaft is also lightweight, making installation easier and faster.



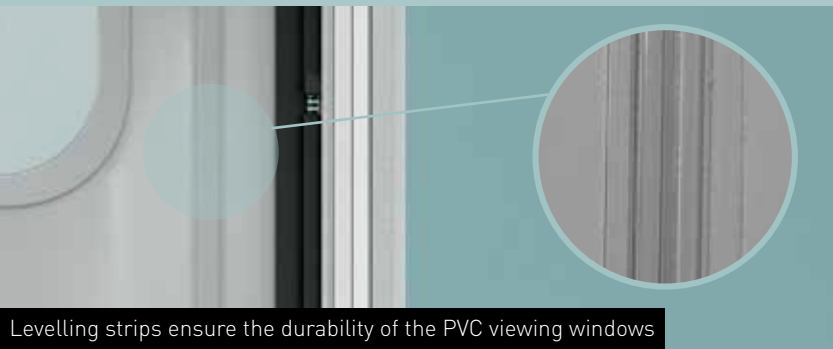
# Clever technology for maximum safety with minimum wear.

## Viewing window for a full view

The curtain of our high-speed foil doors is equipped with large viewing windows made of transparent PVC. This ensures a generous incidence of light and better visibility. The viewing windows can be arranged either horizontally (1200 x 500) or vertically (500 x 1200 mm).



PVC viewing windows provide a clear view



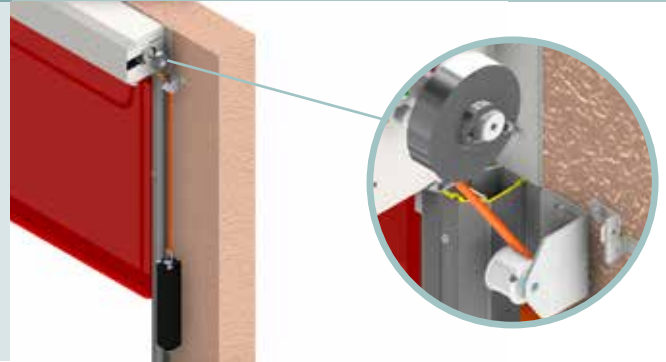
## Levelling strips for protection and smooth door operation

We have also fitted the curtain with levelling strips for optimum smooth door operation. These ensure that the curtain is guided in a targeted manner when it is rolled up. They also ensure that the viewing windows remain attractive for a long time by preventing the windows from becoming blind due to friction.

Levelling strips ensure the durability of the PVC viewing windows

## Counterweight

Our self-repairing high-speed foil doors can optionally be equipped with a counterweight for emergency openings in the event of a power failure. If the door is closed and the power remains off, the door opens automatically.



## Additional equipment options

For all door opening situations, we offer you further optional accessories for our doors, which optimise the use and make it more convenient, as well as increasing security.

With radar movement detector, pull switch, mushroom button or radio control, there are no limits to the possibilities. Customise your high-speed foil door according to your needs and wishes. According to our motto: Always the best solution. Your solution.



„easy2open“  
Radar motion detector with active infrared presence sensor



„basic2open“  
Radar motion detector with direction detection



„3d easyscan“  
Laser-assisted opening, presence and safeguarding sensor



10-channel hand-held transmitter



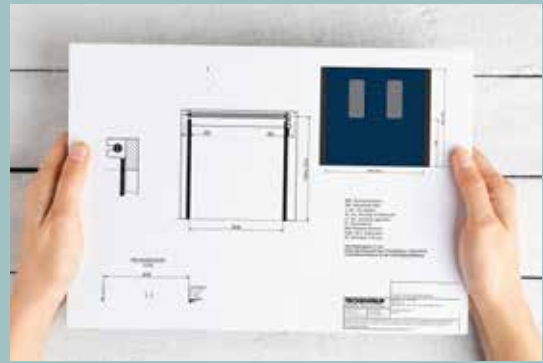
Mushroom pushbutton large operating surface, plastic housing, IP 65



Pull cord switch, IP 65, cable length 3.2 m

High-speed doors		
	HSD-I	HSD-I with counterweight
<b>DOOR SIZES</b>		
Width, maximum, in mm	4 600	4600
Height, maximum, in mm	4 600	4600
<b>OPENING SPEED*</b>		
m/sec	approx. 1,5 – 2,0	approx. 1,5 – 2,0
<b>CLOSING SPEED</b>		
m/sec	approx. 0,8	approx. 0,8
<b>USE</b>		
Internal doors	■	■
<b>PERFORMANCE CHARACTERISTICS</b>		
Safety equipment per EN 13241-1 1	■	■
Wind class per EN 12424	1	1
<b>CURTAIN (PVS)</b>		
Fabric thickness (mm)	1,0	1,0
Viewing window	■	■
<b>INTEGRATED CRASH-SYSTEM</b>		
Up to 4600 mm clear width	■	■
<b>EMERGENCY OPENING</b>		
Crank (at drive height)	■	■
Chain (from bottom up)	▲	▲
Counterweighting technology, manual emergency opening if power	–	■
<b>SAFETY EQUIPMENT</b>		
Class E safety light grid	■	■
Additional retro-reflective photocell	▲	▲
Electromechanical brake	■	■
Safety gear	■	■
<b>DRIVE AND CONTROLLER</b>		
CS 320 FU IP 65	■	■
3 potential-free contacts	■	■
Supply voltage, 1 phase 230 V (black earthed plug)	■	■
Drive protection class IP 54	■	■
Integrated 3-way pushbutton in the control cover	■	■
Digital limit switch	■	■

\*depending on size



## Configure products easily online

**Teckentrup. Easy. Online.** TEO, our configuration tool for steel doors and doors, supports commercial customers of our specialist partners and architects with product configuration and quotation preparation. It offers the option of configuring different steel doors and doors online and visualising them within a few minutes with the help of detailed technical drawings.

Register now:  
[teo.teckentrup.biz](https://teo.teckentrup.biz)

We are happy to help.