Roller shutter systems

MADE FROM STEEL AND ALUMINIUM – INNOVATIVE, RELIABLE, ECONOMICAL

ROLLER SHUTTERS
ROLLER GRILLES
HIGH-SPEED SCREEN DOORS

WE OPEN THE DOORS FOR PROGRESS
Impressive hall openings

STRONG, ARCHITECTURALLY CONVINCING
The flexible door concept

Technically flawless, highly versatile

Roller shutters ThermoTeck
Heat insulated, with micro-profiled surface.

Roller shutters ThermoTeck “easy”
Innovative door design for standard application – approx. 40% quicker installation.

Roller grilles
Highly translucent and air-permeable.

High-speed roller shutters ThermoTeck
For fast opening and closing.

High-speed screen doors
With break-away protection.

Teckentrup roller shutters – a tailor-made door concept for economical solutions

The well-developed door system is characterized by its cost-effectiveness, robustness and simple design. Due to the space-saving roller technology and the hard-wearing roller door curtain, Teckentrup roller shutters are particularly suitable for use in high and especially wide door openings which have to withstand harsh conditions. Roller grilles are used when high transparency, theft protection and also good ventilation is needed. High-speed screen doors allow fast drive through, e.g. of forklifts and also helps reduce energy loss.

State-of-the-art drives and control systems are available for all door types.

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Future-proof developments and the continuous improvement of existing systems are standard procedure at Teckentrup. Innovative solutions and creative technologies allow us to achieve groundbreaking advances in door production. Excellent examples are the problem areas of fire, smoke, noise protection, security and heat insulation. First class materials, precise processing and continuous quality checks in accordance with DIN ISO 9001 guarantee perfect safety, reliability and long service life. This ensures that every Teckentrup product is a worthwhile investment.

All Teckentrup roller shutters and roller grilles comply with the safety requirements of current European standards.

Teckentrup roller shutters meet all the safety requirements and provisions of EN 13241-1
- Mechanical aspects
- Safety in use
- Heat insulation
- Sound insulation
- Watertightness
- Resistance to wind
**Stable and flexible**
Teckentrup roller shutters are suitable for most constructional application. The flexible door design with an extremely stable, double-skinned profile allows precise-fit solutions for a variety of door openings. In particular the innovative, micro-profiled special profile ThermoTeck impresses with its high functionality and appearance.

**Unique assembly benefits**
Using creative ideas Teckentrup frequently develop technologies which perfect their products and installations: e.g. the new “easy” roller shutter design. In comparison to conventional door systems, installation times of up to 40% can be saved. Even one-person installation is possible.

**Comfortable operation**
Powerful drive and control systems are optimally matched together, which can be assembled and programmed easily. Modern operating elements ensure additional ease of operation.

**Individual solutions**
For difficult installation situations or special requirements, we develop in collaboration with our partners individual, customized solutions.
Flexibility

FOR OPTIMUM SOLUTIONS

For any architectural style
This simple, robust and flexible design featuring a roller curtain that winds up very tightly, is suitable for use in a wide range of applications, whether as an outside roller shutter or installed inside. Teckentrup roller shutters are suitable for most constructional applications.

The optimum solution even at extreme heights.

Roller door with glazing in a car wash.
As an outer roller in an underground garage – the optimum solution when space is restricted.

Particularly suited for agricultural holdings.

As an outer roller in a hazardous substances container.

Safeguarding of production machines.

Special solution for kiosks at a football stadium.

Roller grilles in retail businesses for shop security.
Roller Shutter ThermoTeck

- **Special Roller Sections**
- **In Lightweight Steel Construction**
- **Galvanized Finish and Heat Insulated**

**High-grade steel**
Galvanized finish with transparent protective top coat.
- Modern high-tech optics
- More economical than coated doors
- High load resistance and durability

Optional double-sided coil coating, see page 13.

**Innovative micro-sections**
In attractive optical design, highly robust and resistant to wear.

**Double-skinned section**
With high strength PU rigid foam core for high robustness and heat insulation at the same time.

**Special section contour**
Made of one continuous length of material for even greater strength and quiet operation.

**Tightly rolled shutter curtain**
Owing to the section geometry, the individual sections are wound up very tightly. Due to this, the surface is protected and less headroom is required than in conventional door systems.

**Extremely durable thanks to the multi-layer design**

Profile ThermoTeck with glazing.
Profile ThermoTeck with ventilation grille.
Flexible sections
Stress, the pressure of deadlines or simple human carelessness – in the “heat of the moment” collisions between transport equipment and roller shutters can easily occur. With Teckentrup doors, however, such accidents seldom end in disaster as the flexible roller door sections can yield and spring back. And since the door sections are very robust, the sections seldom are damaged or have to be replaced.

Door opening in an industrial premises.
Roller Shutter ThermoTeck "easy"

THE NEW AND INNOVATIVE ROLLER SHUTTER
DESIGN FOR STANDARD APPLICATIONS

Easy and trouble-free installation!
• Compact design
• Save up to 40% installation time
• Space-saving console for all door sizes
• Consoles connected to guide rails – no
time-consuming measuring and marking required
(Teckentrup property rights)
• Winding shaft position determined automatically
• High-strength connection system between the shutter
curtain and the shaft (Teckentrup property rights)

Huge savings by reducing the installation time by approx. 40%!
Can be installed by just 1 person!

3 versions available

Roller shutter profile
ThermoTeck “easy”
Roller shutter profile
6010-visio “easy”
Roller grille
TG-X “easy”
Simple, practical and safe

The new Teckentrup roller shutter system “easy” is characterized by its simple and robust design. Individual components have been intelligently designed and perfectly harmonized to deliver real added value.

Time-consuming measuring tasks, e.g. for attaching the console and determining the winding shaft position, are a thing of the past.

Furthermore, installation is facilitated by the pre-wired control unit and drive.

The required installation time can be reduced by up to 40% in comparison to conventional roller shutter systems.

The roller shutter curtain is pre-assembled on the winding shaft and can be simply fitted into the console. The space-saving console is bolted to the runner rail – no time-consuming measuring and marking required.

Durable and high-strength connection system between the shutter curtain and the shaft (Teckentrup property rights). The octagonal winding shaft, incl. shaft journal, is fully galvanized.

The floor seal is integrated in the bottom profile and ensures a harmonious appearance inside and outside.

Pre-punched runner rails facilitate installation. The floor seal is integrated in the bottom profile and ensures a harmonious appearance inside and outside.

The pre-wired control unit is integrated in the reliable brand-name drive. Comfortable shutter control occurs via a plug-in, pre-wired button with 3 options (open-stop-close).
Roller door sections...

...FUNCTIONAL AND STYLISH

Insulated sections – provide effective heat insulation and resistance to high wind pressure

Profile ThermoTeck with protective top coat or with double-skinned coil coating.
Profile ThermoTeck with glazing.
Profile ThermoTeck with ventilation grille.

The alternative – the aluminium profile 4020

Profile 4020.
Profile 4020 with glazing.
Profile 4020 stucco design.
Profile 4020 stucco design with glazing.

Stucco design: Robust aluminium surface for uncoated sections

Optimum light solutions
Glazing not only lets light into the hall, but is also a stylish design element. All double-skinned Teckentrup sections are also available with transparent, insulated and shock-resistant polycarbonate double glazing.
Designed with colour

MAKE INDIVIDUALITY VISIBLE

All the colours of the rainbow
The optical impression given by the doors of production halls is of great importance and can even be seen as the perfect medium for communicating a company’s corporate design. The wide range of colours available from Teckentrup allows for a whole host of different door designs. Planning engineers have unlimited resources to draw on, enabling them to create a design that meets your individual style requirements. Teckentrup roller shutters ThermoTeck are galvanized with a transparent protective film, as well as coil coated on both sides in a wide range of colours:

Roller shutter ThermoTeck with glazing and upper casing.

4 standard colours following RAL

<table>
<thead>
<tr>
<th>RAL</th>
<th>Colour</th>
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<tbody>
<tr>
<td>8014</td>
<td>Sepia brown</td>
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<tr>
<td>9002</td>
<td>Grey white</td>
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<tr>
<td>9006</td>
<td>White aluminium</td>
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<tr>
<td>9016</td>
<td>Traffic white</td>
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</table>

Optional preferred colours in RAL

<table>
<thead>
<tr>
<th>RAL</th>
<th>Colour</th>
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</thead>
<tbody>
<tr>
<td>3000</td>
<td>Flame red</td>
</tr>
<tr>
<td>5010</td>
<td>Gentian blue</td>
</tr>
<tr>
<td>9007</td>
<td>Grey aluminium</td>
</tr>
</tbody>
</table>

Further colours based on RAL and NCS

All colour images may differ from actual product. Simply ask your authorized dealer for more details.
Roller grilles

GOOD VENTILATION, GOOD VISIBILITY
AND OPTIMUM LIGHT PERMEABILITY

Teckentrup roller grilles are available in different designs, providing optimum ventilation, security and good visibility. The grille section 6010 visio, which features a very fine mesh-like design, also keeps out leaves, foliage and refuse. These grilles are recommended for use in shopping arcades for stores with large shop fronts, underground garages and indoor car parks. All of the roller grilles come with an automatic anti-lift device.

Roller grilles in diamond design
TG-X (aluminium)

Roller grilles in honeycomb design
TG-A (aluminium), see figure
TG-S (steel)
TG-E (stainless steel)

Roller grilles TG-X (aluminium).
Roller door section 6010-visio
Stable fine-hole profile

Roller Shutter Profile 6010-visio.
... AND STILL SECURELY PROTECTED

Complying with wide-ranging requirements, Teckentrup roller shutters help to keep out litter as well as uninvited visitors. At the same time, they provide good visibility and optimum ventilation.

Roller grille TG-A in an underground car park.

Vehicle fleet protection.

Roller grille TG-X as protection and separator grille in a shopping centre.

Roller grille 6010-visio for store safety with visibility.
Perfect Design

MATCHING SIDE DOOR

If necessary, different types of threshold-free side doors are available for access for persons to the building/hall. Regardless of whether you opt for a fixed or rotating side element, security and functionality are always our top priority.

Roller door with fixed side door.

Door and side door with identical glazing.
INDIVIDUAL CUSTOMIZED SOLUTIONS

Pressure shaft
For extremely wide doors the additional shaft minimizes the deflection of the profile and ensures an optimum seal around the lintel area.

Sound decoupling
If residential housing or offices are located adjacent to an underground garage, the specified sound insulation of 30 or 35 dB must be ensured. The door system is then decoupled from the main building structure. For this purpose Teckentrup provides tried and tested solutions.

Curtain cladding
If there is no interior space available, roller shutters are externally mounted. The roller enclosures are available in different materials and colours.

Inclined bottom seal retainer
Roller grilles receive an individually adapted bottom seal retainer to compensate for floors with an incline.
High-speed roller door ThermoTeck

FOR TIME AND ENERGY SAVINGS

Uninterrupted operation
The ThermoTeck high-speed roller door from Teckentrup is intended for continuous operation in industrial applications. The high quality materials used and the standard safety features guarantee uninterrupted traffic flow. Thanks to high-speed opening and closing, as well as insulated ThermoTeck sections, heat loss from the hall is reduced, thus saving energy.

Powerful system
- High-power drive for continuous use.
- Frequency converter control with ‘soft’ start/stop functions. Protects the material and guarantees long service life of the door.
- Greater protection against personal injury or material damage thanks to standard, integrated light barriers and safety edge.

- Average opening speed of up to 550 mm/sec.
- With max. dimensions of 6000 x 8000 mm.
Secure protection against intrusion

**NO CHANCE FOR BURGLARS**

Burglary-resistant security
Stable and robust components as well as additional mechanical locking elements provide effective protection against break-ins.

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**Sliding bolt**
Optional mechanical lock which is electrically operated on doors with a drive.

**Lockable bottom profile**
Lockable bottom profiles ensure additional protection against theft; this is electrically operated on doors with a drive.

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![Outside view](image1)

![Inside view](image2)
EXCELLENT DESIGN FEATURES

Reliable technology

Wind hooks guarantee safety even in high wind loads.

Direct mount drive TAR with integrated anti-drop drive.

The anti-drop drive prevents the door curtain from falling in an emergency.

Quickly and easily installed.

As well as the installation manual, individual, order-relevant assembly drawings are included for each roller door.

Compactly packaged, the roller shutter curtain can easily be loaded onto the pre-assembled brackets using a forklift.
**ENSURE LONG-LIFE FUNCTION**

**Doubly secured winding shaft**
The intelligent construction with the fixed interior circular blanks ensures that the weld seams of the exterior circular blanks are put under less stress. This in turn ensures that the door curtain can be rolled up and down safely.

**Guide rail**
Functional and stable guide rail system with plastic slide profile to improve running and sliding properties.

**End profile**
The end profile with a seal made from a rot-proof, elastic and anti-freeze EPDM rubber profile, helps to level out unevenness in the floor and protects against cold and moisture.

**Safety edge mechanism**
Stops the door automatically when it encounters a obstacle.
Powerful drive technology

ROBUST AND RELIABLE

Depending on the requirements different solutions are available to choose from for most constructional applications.

Direct mount drive
Compact and assembly-friendly. With integrated, maintenance free anti-drop drive. Optionally available with emergency hand crank...

...or emergency hand chain.

Tubular motor
Suitable for small doors, limited space and with lower loads. (Emergency operation e.g. via the winding pole).
Innovative control systems

HIGH PERFORMANCE WITH MICROPROCESSOR TECHNOLOGY

Depending on the area of application different systems assume the control of the door system.

Comfort control unit CS 300
(Dead man or pulse)
Microprocessor control with absolute transmitter evaluation. Simple, secure programming using the LED module or the 3 button navigation system on the LCD monitor with multi-language clear text display, optional red-green light to show door status, with visual warning messages (can be used in e.g. underground garages, car repair shops).

Frequency converter CS 300 pulse control unit
With frequency converter control unit, soft start-up and soft stop (application: e.g. high-speed sectional doors).

Comfort control unit CS 400
Microprocessor control unit with absolute encoder evaluation. Programming via 3-button navigation at the LCD monitor with multi language plain text display. (Application: e.g. underground car parks with two-way traffic control and roller grilles with roll-up safety device.)
The control units CS 300 and CS 400 have two potential-free end position indicators.

Easy programming carried out by trained personnel.

The controls are factory prepared and are ready to plug in.

Mobile programming unit with LCD monitor.

Programming should only be carried out by an authorised technician.

Light barriers
To further increase safety, an additional light barrier can be installed which will stop the door automatically. Under certain conditions the use of such a light barrier is required by law.

The roller grille doors have additional light barriers in the lintel area to prevent personal injury.
Comfortable Operation

**INDIVIDUAL EQUIPMENT**

Modern operating elements provide additional comfort for electrically controlled door systems. The door is simply operated via a handheld transmitter. Triggering can also occur via a safety photocell, induction loops, radar motion detectors, etc.

**2-channel handheld transmitter**

**4-channel handheld transmitter**

**10-channel handheld transmitter**

**99-channel handheld transmitter**

**Attractive radio-controlled number code lock**

Convenient operation of up to 3 doors by entering personal numeric passwords which prevent unauthorized access. Simple, wireless wall attachment.

**Surface mounted key operated switch**

**Flush mounted key-operated switch**

**Surface mounted key operated switch with stop button**

**Flush mounted key operated switch with stop button**

**Column**

Made of anodized aluminium with an integrated key-operated switch.
Numerous accessories facilitate daily tasks due to convenient operation and provide additional safety.

ACCESSORIES/ADDITIONAL EQUIPMENT

Radio-controlled receiver

Internal radio controlled receiver for CS 300 or CS 400, pluggable

External radio controlled receiver for CS 300 or CS 400, pre-wired with plug and cord

Radar motion sensor with programming device

Push buttons

Emergency stop switch

Push buttons “Up-Stop-Down”

Lockable push buttons “Up-Stop-Down”

Push buttons “Up – Emergency Stop – Down”

Lockable push buttons “Up – Emergency Stop – Down”

Photocells

Lockable push buttons “Up-Stop-Down”

One-way photocell

Reflection photocell
Teckentrup high-speed doors are made for robust, permanent indoor and outdoor use. They guarantee an uninterrupted flow of traffic and reduce unwelcome heat loss to a minimum during cold winter months. They also keep dirt out and prevent drafts. In combination with Teckentrup sectional doors and roller shutters they are the ideal day/night barrier for outdoor areas. The numerous Teckentrup doors are characterized by their high-quality components and well-conceived design:
• Self-supporting, hot dip galvanized lateral parts.
• High-tensile, fabric-reinforced roller shutter curtain with PVC vision panel.
• Curtain tensioning with the aid of a special anti crash edge.
• Special brush strips form the seal between lateral parts and curtain.
• High performance worm gear motor, with digital end limit switches as standard.

Colours to catch the eye
Many distinct standard colours for the curtain are available to choose from. These vibrant colours are attractive, easily seen and increase security. Other colours are available on request.

Standard colours following RAL:

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Colour Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 2004</td>
<td>Orange</td>
</tr>
<tr>
<td>RAL 1001</td>
<td>Beige</td>
</tr>
<tr>
<td>RAL 1003</td>
<td>Signal yellow</td>
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<tr>
<td>RAL 1018</td>
<td>Zinc yellow</td>
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<tr>
<td>RAL 3002</td>
<td>Carmine red</td>
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<tr>
<td>RAL 5010</td>
<td>Gentian blue</td>
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<tr>
<td>RAL 5012</td>
<td>Light blue</td>
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<td>RAL 6024</td>
<td>Traffic green</td>
</tr>
<tr>
<td>RAL 7038</td>
<td>Agate grey</td>
</tr>
<tr>
<td>RAL 9005</td>
<td>Jet black</td>
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<tr>
<td>RAL 9010</td>
<td>Pure white</td>
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</tbody>
</table>
The integrated anti crash system increases the door’s safety and efficiency.
• Protects people and objects.
• Prevents damages and downtimes.
• Ensures rapid return to normal operation.
• Ensures crashes are without serious consequences.

If there is a collision between a vehicle and the anti crash edge, the retaining mechanism automatically opens.

The crash end pieces automatically recoil in the anti-crash edge – and the curtain remains intact.

The end pieces are manually engaged in the guide. They remain unstressed and therefore have a very long service life.
### Types of doors and technical data

<table>
<thead>
<tr>
<th>Roller shutters/ roller grilles</th>
<th>ThermoTeck</th>
<th>4020</th>
<th>TG-S</th>
<th>TG-A</th>
<th>TG-V</th>
<th>TG-E</th>
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<tr>
<td><img src="image" alt="Roller shutters" /></td>
<td><img src="image" alt="4020" /></td>
<td><img src="image" alt="TG-S" /></td>
<td><img src="image" alt="TG-A" /></td>
<td><img src="image" alt="TG-V" /></td>
<td><img src="image" alt="TG-E" /></td>
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<tr>
<td><strong>Door dimensions</strong></td>
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<tr>
<td>Max width in mm</td>
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<tr>
<td>Max. height in mm</td>
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<td><strong>Spatial requirements</strong></td>
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<td>See installation data</td>
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<tr>
<td><strong>Roller door curtain, material design</strong></td>
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<td>Aluminium, single-skinned</td>
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<td>Aluminium, double-skinned</td>
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<td><strong>Door leaf, surface design</strong></td>
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<td>Steel, galvanized</td>
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<td>Steel, coil coating</td>
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<td>Steel, powder coating</td>
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<td>Stainless steel</td>
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<td><strong>Glazing</strong></td>
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<td>Floor seal</td>
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<tr>
<td><strong>Locking systems</strong></td>
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<tr>
<td>Anti-lift device</td>
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<td>Slide bolt</td>
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<tr>
<td>Lockable floor section</td>
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<tr>
<td><strong>Drive</strong></td>
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<td>Chain drive</td>
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<tr>
<td>Tubular drive (dimensions on request)</td>
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<tr>
<td><strong>Safety features</strong></td>
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<tr>
<td>Safety catch</td>
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<tr>
<td>Safety edge</td>
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<tr>
<td>Light barrier for entrapment protection</td>
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<tr>
<td><strong>Installation basis</strong></td>
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<tr>
<td>Concrete</td>
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<tr>
<td>Steel</td>
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<tr>
<td>Masonry</td>
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<tr>
<td>Others upon request</td>
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</table>

- **= standard**  
- **= optional**
## High-speed screen doors

<table>
<thead>
<tr>
<th></th>
<th>SLT 07</th>
<th>SLT 07 FU</th>
<th>SLT 08</th>
<th>SLT 08 FU</th>
<th>SLT 25 FU</th>
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<tbody>
<tr>
<td><strong>Door sizes</strong></td>
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<tr>
<td>Max width in mm</td>
<td>4600</td>
<td>4600</td>
<td>6000</td>
<td>6000</td>
<td>6000</td>
</tr>
<tr>
<td>Max height in mm</td>
<td>4600</td>
<td>4600</td>
<td>6000</td>
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<tr>
<td><strong>Opening speed</strong></td>
<td>0,8</td>
<td>1,2 – 1,5</td>
<td>0,8</td>
<td>1,5</td>
<td>1,5 – 2,5</td>
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<tr>
<td>m/sec</td>
<td></td>
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<tr>
<td><strong>Closing speed</strong></td>
<td>0,8</td>
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<td>0,8</td>
<td>0,8</td>
</tr>
<tr>
<td>m/sec</td>
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<tr>
<td><strong>Usage</strong></td>
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<tr>
<td>Internal door</td>
<td>■</td>
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<td>■</td>
<td>■</td>
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<tr>
<td>External door</td>
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<tr>
<td><strong>Performance characteristics</strong></td>
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<tr>
<td>Safety equipment in accordance with EN 13241-1</td>
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<td>Wind class in accordance with EN 12424</td>
<td>1</td>
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<td>2</td>
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<td><strong>Drive and control unit</strong></td>
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<td>CS 300</td>
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<tr>
<td>CS 300 FU</td>
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<td>CS 300</td>
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<td>CS 300 FU</td>
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<tr>
<td>CS 300 FU</td>
<td></td>
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<tr>
<td><strong>Emergency opening</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Crank (in drive height)</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Crank (from ground level)</td>
<td>▲  ▲</td>
<td>▲  ▲</td>
<td>▲  ▲</td>
<td>▲  ▲</td>
<td>▲  ▲</td>
</tr>
<tr>
<td>Counterbalance technology, manual emergency opening in the event of a power failure.</td>
<td>■  ■  ■  ■  ■  ■</td>
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<tr>
<td>Spring break protection.</td>
<td></td>
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<tr>
<td>Up to a maximum of 5000 mm clear width</td>
<td>▲  ▲  ▲  ▲  ▲  ▲</td>
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<tr>
<td><strong>Safety devices</strong></td>
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<tr>
<td>The door area is monitored by a safety light barrier with reflector.</td>
<td>■</td>
<td>■</td>
<td>■</td>
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<td>■</td>
</tr>
<tr>
<td>The anti-crash edge is equipped with a self-monitoring contact strip to prevent personal injury.</td>
<td>■</td>
<td>■</td>
<td>■</td>
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<td>■</td>
</tr>
<tr>
<td>Permitted for escape and rescue routes with declaration of conformity.</td>
<td>–</td>
<td>▲  ▲</td>
<td>–</td>
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</tr>
</tbody>
</table>

*depending on the size of the door
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Besides guaranteeing innovative, unique developments, first-rate product quality and flexibility during the realization of special technical solutions, we also provide a comprehensive bespoke customer service.

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- On-site support from our field team
- Quick and efficient delivery
- Inspection and maintenance
- Support thanks to product and installation training courses

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European Scope...

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