

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

Your quick way to more information.



TECHNICALLY FLAWLESS, HIGHLY VERSATILE



Roller shutters ThermoTeck

Heat insulated, with micro-profiled surface.



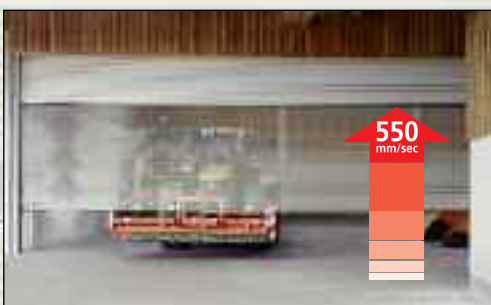
Roller shutters ThermoTeck "easy"

Innovative door design for standard application – approx. 40% quicker installation.



Roller grilles

Highly transparent 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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Teckentrup high-quality doors

MADE IN
GERMANY



RELIABLY BUILT

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



FUNCTIONAL, ASSEMBLY-FRIENDLY, RELIABLE



Stable and flexible

Teckentrup roller shutters are suitable for most building applications. 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.



High-tech finish: special profile ThermoTeck, micro-profiled, galvanised with transparent protective film.



Flexibility

FOR OPTIMUM SOLUTIONS

For any architectural style

This simple, robust and flexible design featuring a roller curtain which 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.



Roller door with glazing in a car wash.

The optimum solution even at extreme heights.



...IN INDUSTRIAL AND COMMERCIAL BUILDINGS



Particularly suited for agricultural holdings.



Special solution for kiosks at a football stadium.



As an outer roller in a hazardous substances container.



Doors for very large openings of up to 18 metres.



As an outer roller in an underground garage – the optimum solution when space is restricted.



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.

Special section contour

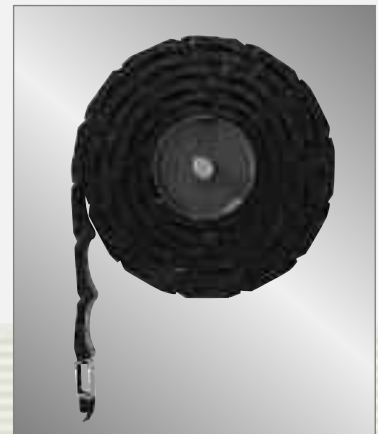
Made of one continuous length of material for even greater strength and quiet operation.

Double-skinned section

With high strength PU rigid foam core for high robustness and heat insulation at the same time.

Tightly rolled shutter curtain

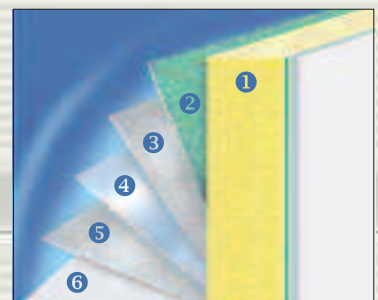
Owing to the section geometry, the individual sections are wound up very tightly. Due to this, the surface is protected and less headroom is required than in conventional door systems.



Innovative micro-sections

In attractive optical design, highly robust and resistant to wear.

Extremely durable thanks to the multi-layer design



- 1 High strength PU rigid foam
- 2 Primer
- 3 Galvanized
- 4 High strength steel
- 5 Galvanized
- 6 Finished surface



Profile ThermoTeck with glazing.



Profile ThermoTeck with ventilation grille.

...HIGHLY ECONOMICAL

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

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

- 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)



2 versions available



Roller shutter profile ThermoTeck "easy"



Roller grille TG-X "easy"



Your quick way to more information.

INNOVATIVE DETAILS – FAST INSTALLATION

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 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).



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 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.



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



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

Stucco design: Roboust aluminium surface for uncoated sections



4020.



Profile 4020 with glazing.



Profile 4020 stucco design.



Profile 4020 stucco design with glazing.



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

RAL 8014 Sepia brown

RAL 9002 Grey white

RAL 9006 White aluminium

RAL 9016 Traffic white

Optional preferred colours in RAL

RAL 3000 Flame red

RAL 5010 Gentian blue

RAL 6005 Moss green

RAL 7016 Anthracite grey
(available from 08/2014)

RAL 9007 Grey aluminium

Other colours according to RAL and NCS



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



The profile 4020 can also be designed powder-coated with a RAL colour of your choice.

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.

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).

...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 grilles protect entrances to shopping centres.



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.



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.



Reliable technology

EXCELLENT DESIGN FEATURES



Direct mount drive TAR with integrated anti-drop drive.

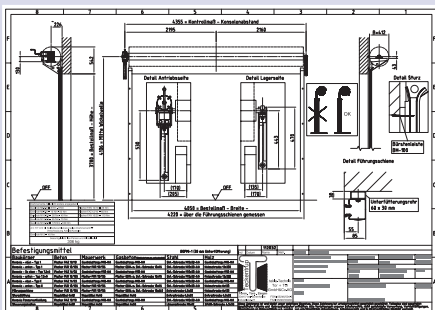


The anti-drop drive prevents the door curtain from falling unexpectedly.



Wind hooks guarantee safety even in high wind loads.

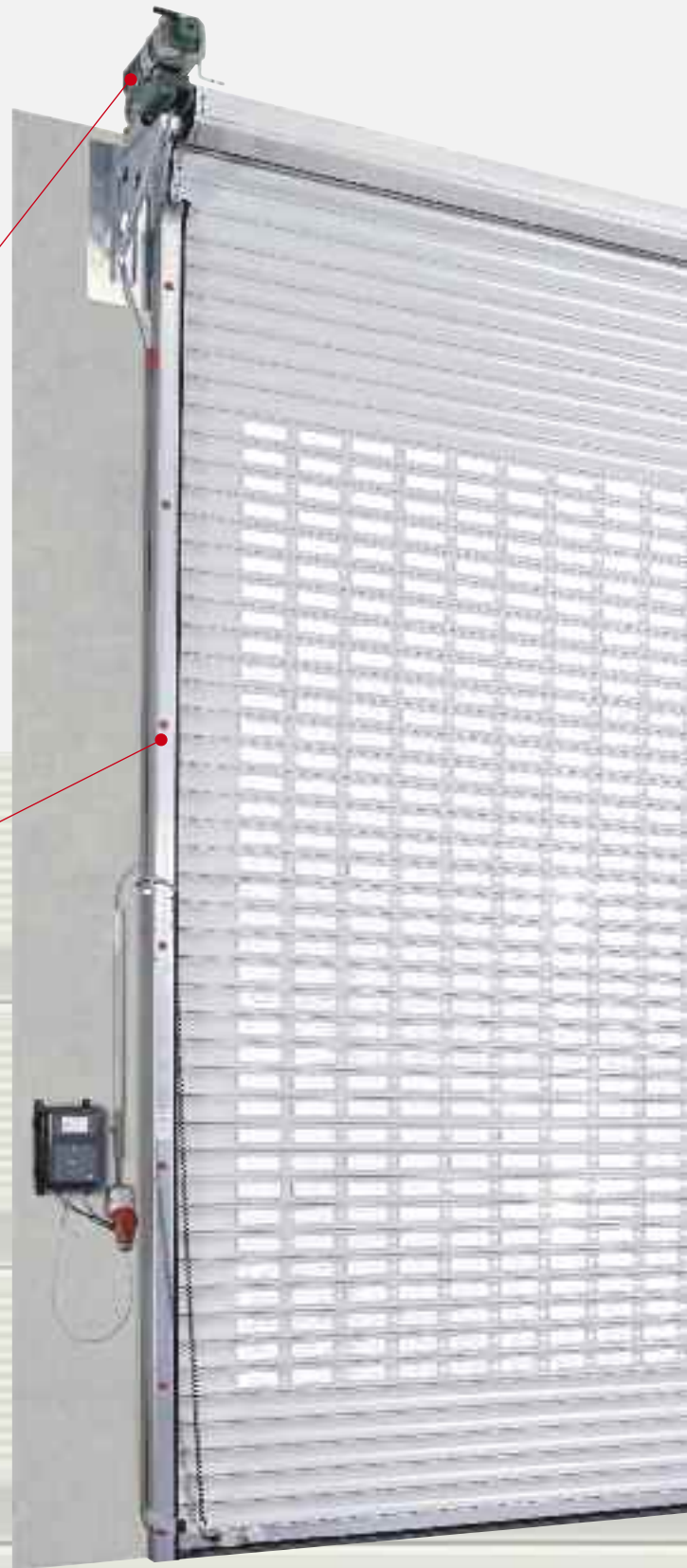
Quickly and easily installed.



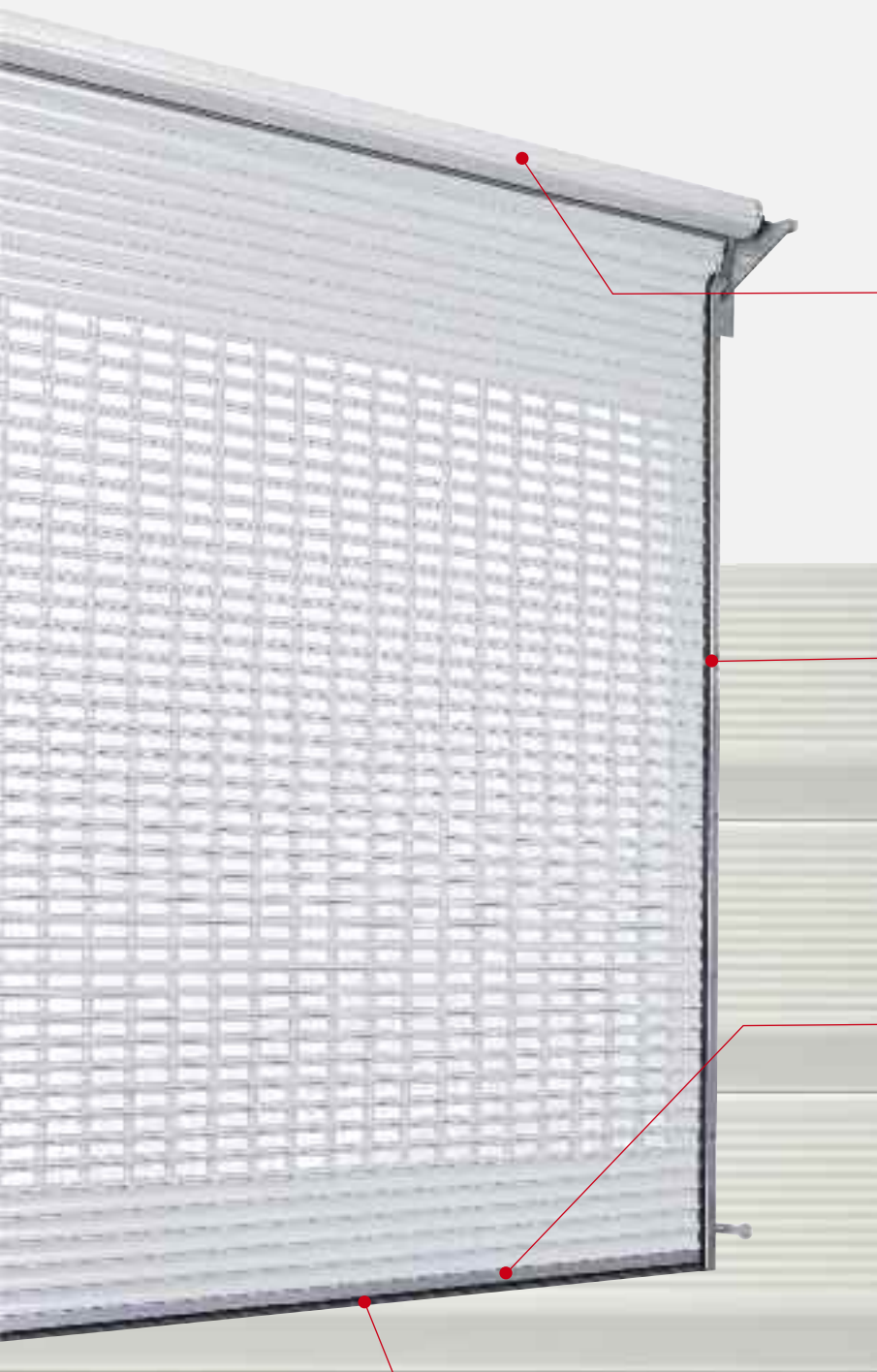
As well as the installation manual, individual, order-relevant assembly drawings are included for each roller door.



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 an obstacle.

Powerful drive technology

ROBUST AND RELIABLE

Depending on the requirements different solutions are available to choose from for most construction 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 310 (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 310 pulse control unit

With frequency converter control unit, soft start-up and soft stop (application: e.g. high-speed roller shutters).

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

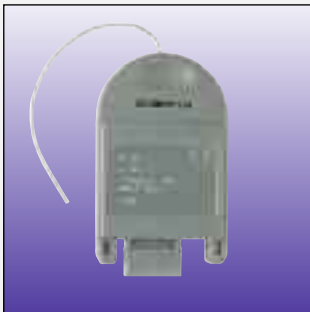


Column
Made of anodized aluminium with an integrated key-operated switch.

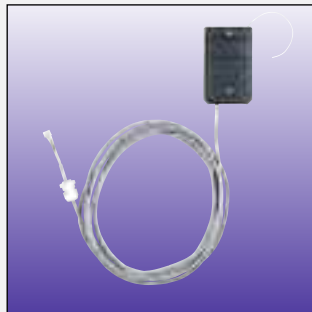
ACCESSORIES/ADDITIONAL EQUIPMENT

Numerous accessories facilitate daily tasks due to convenient operation and provide additional safety.

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



Radar motion sensor with programming device

Push buttons



Emergency stop switch



Push buttons "Up-Stop-Down"



Push buttons "Up - Emergency Stop - Down"

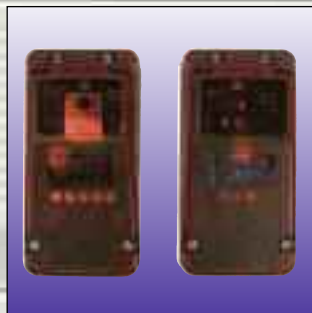


Lockable push buttons "Up - Emergency Stop - Down"

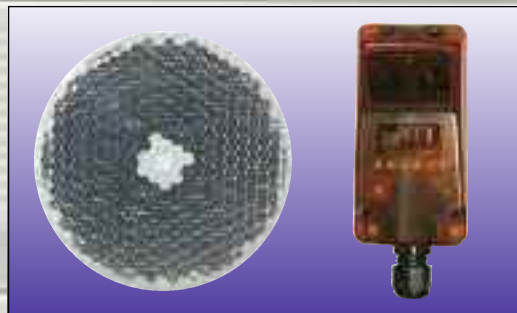
Photocells



Lockable push buttons "Up-Stop-Down"



One-way photocell



Reflection photocell

High-Speed Doors

FAST, SAFE AND ENERGY SAVING

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:

RAL 2004 Orange

RAL 1001 Beige

RAL 1003 Signal yellow

RAL 1018 Zinc yellow

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 5012 Light blue

RAL 6024 Traffic green

RAL 7038 Agate grey

RAL 9005 Jet black

RAL 9010 Pure white



...WITH ANTI CRASH SYSTEM

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

Roller shutters/ roller grilles	ThermoTeck	4020	TG-S	TG-A	TG-V	TG-E
						
Door dimensions						
Max width in mm	11000	11000	12000	12000	12000	12000
Max. height in mm	12000	12000	8000	8000	8000	8000
Spatial requirements						
See installation data	■	■	■	■	■	■
Roller door curtain, material design						
Steel, single-skinned	—	—	■	—	—	■
Steel, double-skinned	■	—	—	—	—	—
Aluminium, single-skinned	—	—	—	■	■	—
Aluminium, double-skinned	—	■	—	—	—	—
Door leaf, surface design						
Steel, galvanized	■	—	■	—	—	—
Steel, coil coating	■	—	—	—	—	—
Steel, powder coating	—	—	▲	—	—	—
Stainless steel	—	—	—	—	—	■
Aluminium, stucco design	—	■	—	—	—	—
Aluminium, natural finish	—	■	—	■	■	—
Aluminium, coil coating	—	■	—	—	—	—
Aluminium, powder coating	—	▲	—	▲	▲	—
Door leaf, weight						
kg/m ²	approx. 11	approx. 10	approx. 14	approx. 7	approx. 8	approx. 14
Side door						
Same design as door leaf	▲	▲	▲	▲	▲	▲
Glazing						
Rectangular glazing elements	▲	▲	—	—	—	—
Gaskets/seals						
Lintel seal	■	■	—	—	—	—
Floor seal	■	■	—	—	—	—
Locking systems						
Anti-lift device	▲	▲	■	■	■	■
Slide bolt	▲	▲	—	—	—	—
Lockable floor section	▲	▲	▲	▲	▲	▲
Drive						
Direct drive	■	■	■	■	■	■
Chain drive	▲	▲	▲	▲	▲	▲
Tubular drive (dimensions on request)	■	—	■	■	■	■
Safety features						
Safety catch	■	■	■	■	■	■
Safety edge	▲	▲	▲	▲	▲	▲
Light barrier for entrapment protection	▲	▲	▲	▲	▲	▲
Installation basis						
Concrete	■	■	■	■	■	■
Steel	■	■	■	■	■	■
Masonry	■	■	■	■	■	■
Others upon request	▲	▲	▲	▲	▲	▲

■ = standard

▲ = optional

TG-X



5500

4500



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approx. 4



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High-speed screen doors

SLT 07

SLT 07 FU

SLT 08

SLT 08 FU

SLT 25 FU

Door sizes

Max width in mm	4600	4600	6000	6000	6000
Max height in mm	4600	4600	6000	6000	6000

Opening speed

m/sec	0,8	1,2 – 1,5	0,8	1,5	1,5 – 2,5
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Closing speed

m/sec	0,8	0,8	0,8	0,8	0,8
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Usage

Internal door	■	■	■	■	■
External door	—	—	■	■	■

Performance characteristics

Safety equipment in accordance with EN 13241-1	■	■	■	■	■
Wind class in accordance with EN 12424	1	1	2	2	2

Drive and control unit

2 potential-free contacts	■	■	■	■	■
Single phase terminal voltage 400 V*	■	■	■	■	■
Degree of protection IP 54	■	■	■	■	■
Degree of protection IP 65	▲	▲	▲	▲	▲
Control using emergency stop switch	■	■	■	■	■
Digital end switch	■	■	■	■	■

Emergency opening

Crank (in drive height)	■	■	■	■	■
Crank (from ground level)	▲	▲	▲	▲	▲
Counterbalance technology, manual emergency opening in the event of a power failure.	■	■	—	—	—

Spring break protection.

Up to a maximum of 5000 mm clear width	■	■	■	■	■
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Safety devices

The door area is monitored by a safety light barrier with reflector.	■	■	■	■	■
The anti-crash edge is equipped with a self-monitoring contact strip to prevent personal injury.	■	■	■	■	■
Permitted for escape and rescue routes with declaration of conformity.	—	▲	—	—	—

*depending on the size of the door

Doors From One Source

● INNOVATIVE ● FLEXIBLE ● RELIABLE

Our customers come first

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.

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

At Teckentrup, customer satisfaction is a top priority.



Professional support on-site guarantees trouble-free projects.



Standard or individual concepts – we develop bespoke solutions to match our customers' demands.



State-of-the-art production facilities ensure constant high-quality.



High level of flexibility in logistics and transport ensures that delivery times are short.

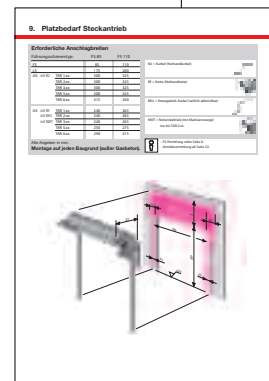
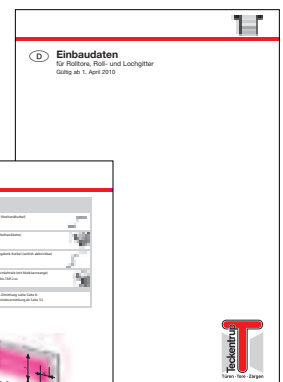
Our service for mandatory maintenance.
We inform you of any upcoming inspection dates.



Plan safely and quickly –
with our service programme for architects.
Technical data, drawings and tender texts can be downloaded online or are available in printed form.



Planning folder
with all the data and facts for the complete Teckentrup product range..



Planning assistance
Special installation data for roller shutters to enable detailed planning.

For the latest information, please visit:
www.teckentrup.biz

Teckentrup industrial doors for all your requirements

WE OPEN THE DOORS FOR PROGRESS

Teckentrup was established in 1932 and has since become one of the largest manufacturers of doors and door systems in Europe, with production plants in Verl-Sürenheide (Administrative HQ) and Großzöberitz.

The additional 10 subsidiaries in Germany as well as further partners in Europe and overseas create an economic infrastructure that satisfies all the requirements for flexibility and convenience to customers.

From the conceptual stage to innovation, the design stage to production, at Teckentrup, everything happens "under one roof".

Motivated and committed employees, the very latest CAD systems and computer-controlled production systems are the keys to a secure future.



Sectional doors



Roller shutters



Folding doors



Multi-purpose sliding doors



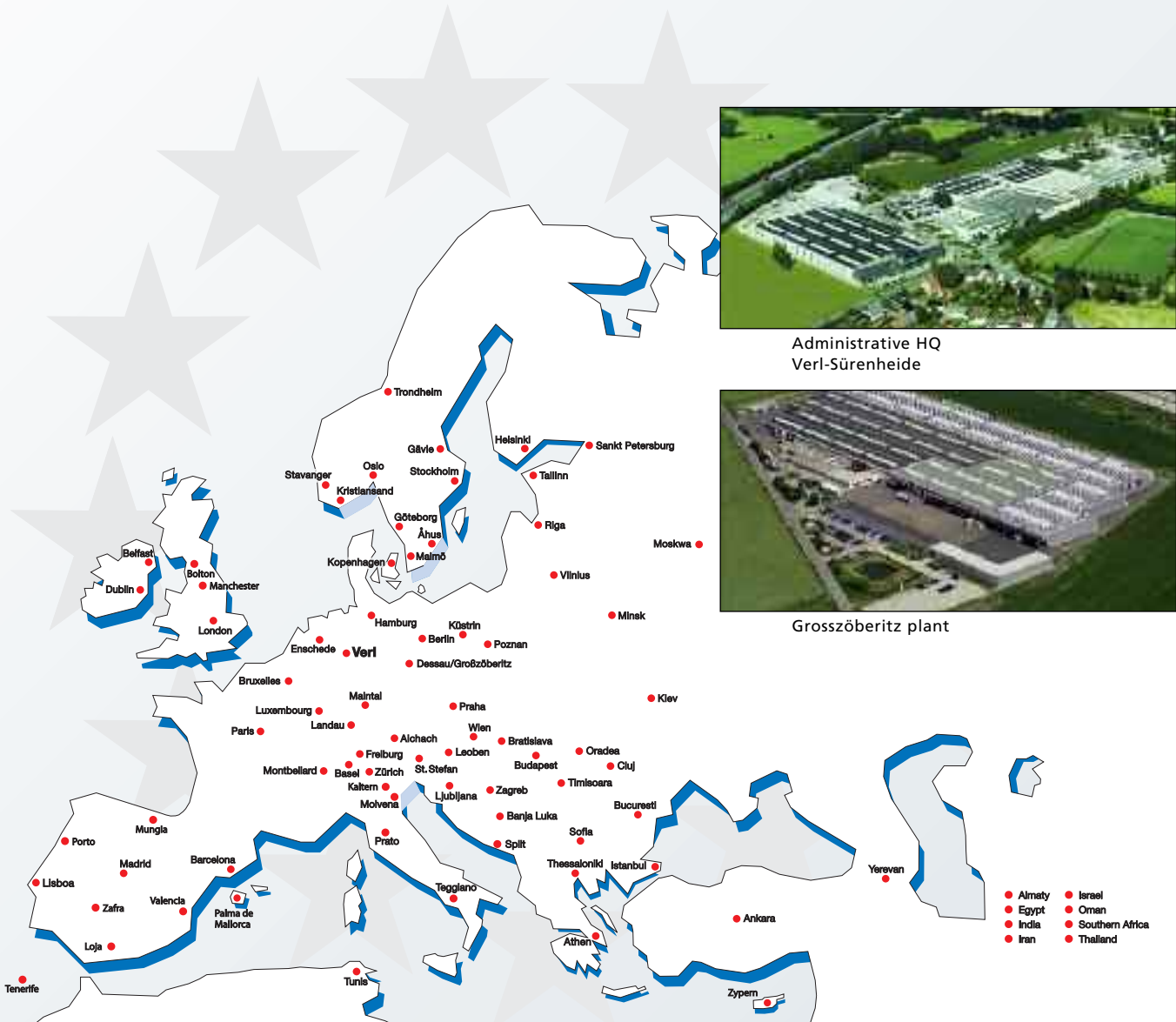
Fire doors



High-speed sheet doors

European Scope...

...WE DON'T LET OUR CUSTOMERS DOWN



Internet: www.teckentrup.biz



Subject to technical modifications.
2.5/03/15 (GB) 121.488
All illustrations contained in this brochure are solely intended to highlight individual product features and may therefore not necessarily be identical with the standard product version.

WE OPEN THE DOORS FOR PROGRESS

