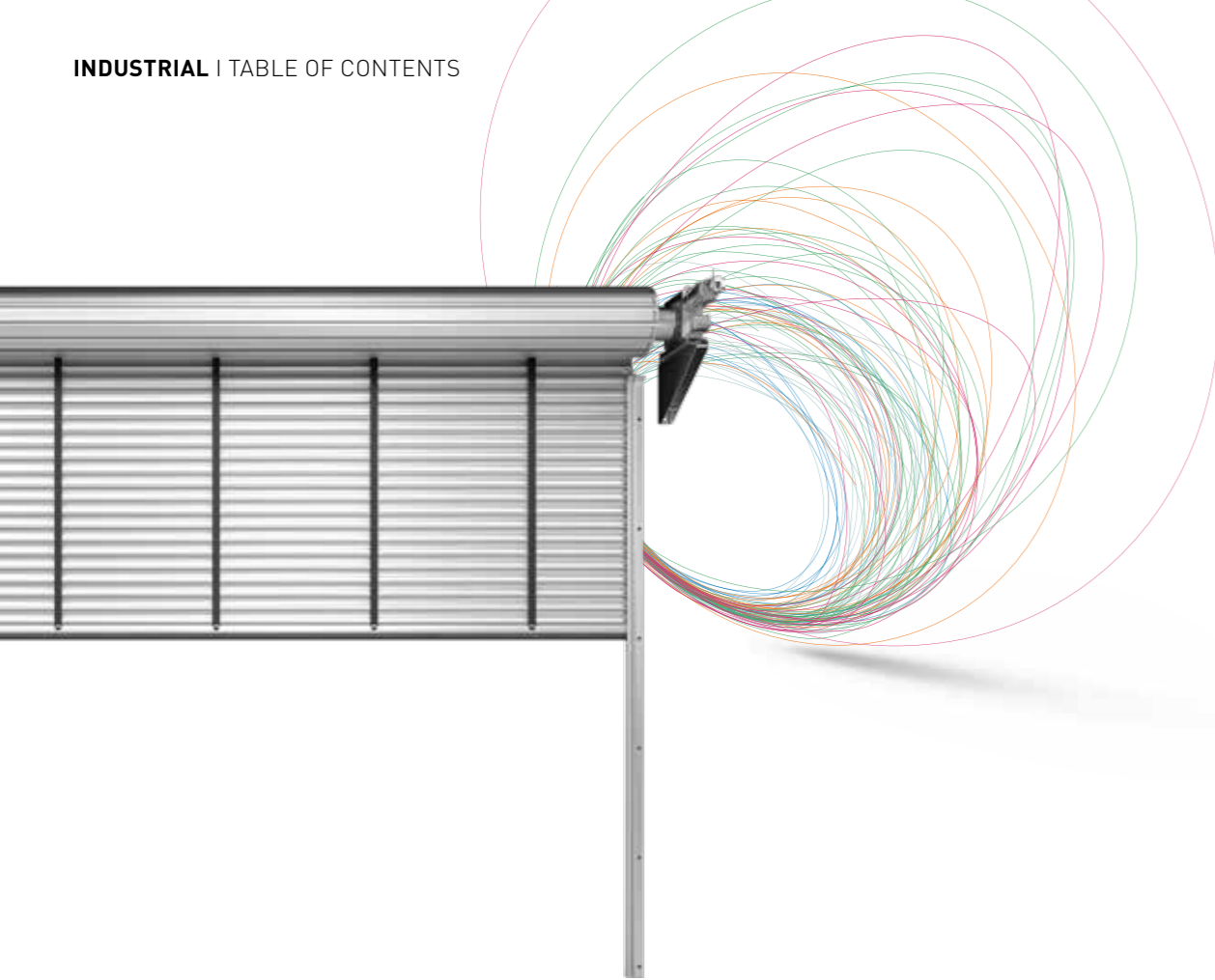


THE TRAFFIC GENERATOR.

Flexible and fast roller shutters and roller grilles





Performance promise and service standards

Design | Security | Service

Pages 4 - 9

Our roller shutter systems

- Overview Pages 10 - 11
- ThermoTeck roller shutter Pages 12 - 13
- ThermoTeck Easy roller shutter Pages 14 - 15
- Roller grilles Pages 16 - 17
- XXL roller shutter Pages 18 - 19
- ThermoTeck Speed high-speed roller shutter Pages 20 - 21
- High-speed screen doors Pages 22 - 23

Design variety

For your individual demands Pages 24 - 29

Safety aspects

Technology, convenience, operation Pages 30 - 37
Technical data Pages 38 - 39

MADE
IN
GERMANY



TECKENTRUP DOOR SOLUTIONS

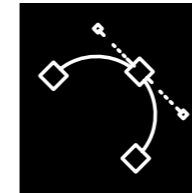
Whether it's development, production or distribution, whether it's about the entire whole or about a small detail, for us, everything revolves around the decisive question: **WHAT IS THE SOLUTION FOR YOU?**

Because we are the specialist for fire protection, smoke protection, sound insulation and security doors, for industrial sectional doors, roller shutters, folding doors, sliding doors and garage doors.

And we are **"Made in Germany"**. For more than 80 years, we have developed and produced our products exclusively in Germany. More than 900 employees at our locations in Verl and Großzöberitz create our high-quality products for you. All processes, from supply to production to commissioning and delivery, are based on the DIN EN ISO 9001 quality management system.

DESIGN SECURITY SERVICE

Teckentrup produces more than doors and gates: Teckentrup delivers solutions. Which is why we have applied three new standards to our company and our products that meet your needs: Design. Security. Service.



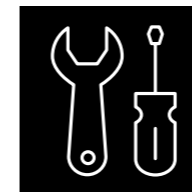
Design: We link functionality and aesthetics.

Because good design represents innovative technology that meets the needs of the user. Our products are opening new worlds and offer many individual design options. With us, designers and engineers work hand-in-hand from the beginning. So that intelligent ideas are just as convincing at a second glance and sophisticated designs prove themselves day after day.



Security: We link systems to protection.

Our doors meet the highest requirements and are certified accordingly. We are happy to advise you on necessary standards and develop comprehensive needs-oriented safety approaches in order to protect people and valuables.



Service: We link speed to reliability.

Short paths, clear structures, everything from one source. This is the service advantage of Teckentrup. Because, from product development to installation, from the committed support of our expert advisers to professional servicing: We will be there for you right away. We are happy to make the time.



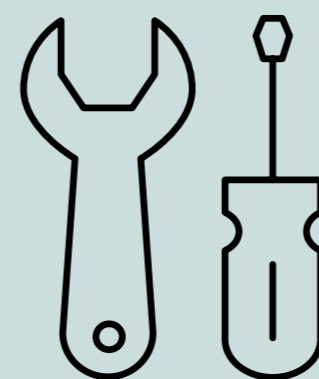
BUILDING EXPERTISE FROM ONE SOURCE

Large construction projects are faced with enormous cost pressure. This is why all of our products are embedded in an approach for process optimisation. We count on holistic service — from planning to installation to operating our industrial roller shutters. We can support you with consultation and planning services, we provide just-in-time deliveries if required, we place great emphasis on easy installation and we are also there to help you at any time during the construction phase by providing solutions at short notice. Therefore, you can rest assured that you receive the right solution for all of your property's requirements.

OUR SERVICES FOR YOU

Secure clear efficiency advantages for yourself in every project phase:

- Comprehensive property and project advising for each of your projects
- Standardised technological platform with sophisticated installation materials
- Tender documents and technical drawings to develop your tender



More information at www.teckentrup.co.uk

HOLISTIC SERVICE

We provide custom solutions and comprehensive service to our customers, from project planning to installation to operating our doors. Take a look for yourself.

ELVIS AG TRUCKPORT DOUBLE ROLLER SHUTTERS FOR XXL BUILDING ENTRANCES

Efficient and fast, even with small load volumes – that was the goal of Elvis AG when they planned their new staging warehouse. It was to be able to transfer not only pallets but also smaller partial loads as well. At the same time, the loading capacity of the lorries were to be used in an optimal manner. The result is a 10,000 square metre facility with two entrances and exits that the lorries are able to drive in and out with ease. They were planned oversized so that driving in and out of the hub did not create any obstacles: 15 metres wide, almost five metres tall. A special solution was needed for the doors. Teckentrup took on this challenge as an experienced door and gate specialist. The basic idea: Roller shutters were to be used despite the extreme width. Because lorry TRAFFIC requires extremely wide access points for the Elvis AG Truckport. Two Teckentrup roller shutters with a movable mullion solved this requirement and created sufficient room for lorries coming in and out, without burdensome manoeuvring.



TECHNICALLY PERFECT – VERSATILE USES

Teckentrup roller shutter systems

Thanks to the space-saving roller technology and the heavy-duty roller shutter curtain, Teckentrup roller shutters are particularly suited for tall and wide building openings that are subject to a great deal of use. **Roller grilles** are used anywhere where a high degree of transparency, anti-burglary protection or even ventilation is required. High-speed doors allow for the quick passage of, for example, forklifts, and reduce energy losses.



ThermoTeck roller shutter

Our double-walled, insulated ThermoTeck roller shutter consists of coated steel profiles. It is equipped with a top seal and a primed winding shaft as well as a direct-mount drive with 400 V of three-phase voltage.

ThermoTeck Easy roller shutters

The Teckentrup Easy roller shutter system distinguishes itself with a simple and robust design. Cumbersome measurement work is done away with via the components that are intelligently simplified and perfectly harmonised.

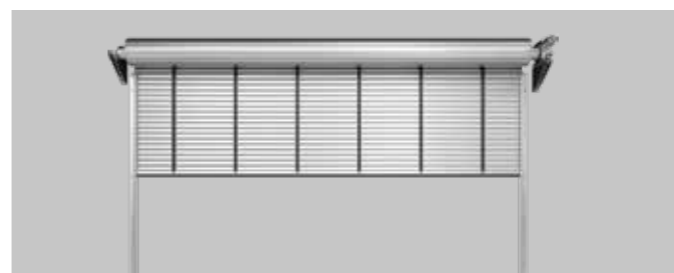


Roller grilles

The Teckentrup roller grilles in various grille shapes ensure optimal ventilation, visibility and protection. The preferred areas of use are shop passages with large window displays, underground garages and parking garages.

XXL roller shutters

Double roller shutters consist of at least two doors lying near one another with a height of up to 10 m, for which a round 50 cm wide centre support made of galvanised steel handles the lateral motion, allowing lifted doors to be moved to the side easily.



High-speed roller shutters

With high continuous operation rates of up to 1.5 m per second and a robust design, the high-speed roller shutter meets the necessary requirements for all areas of use, in particular, use as an outside door.

High-speed screen doors

Teckentrup high-speed screen doors are suited for demanding and continuous use inside and outside. They ensure a smooth traffic flow and reduce energy losses to a minimum during the cold season.

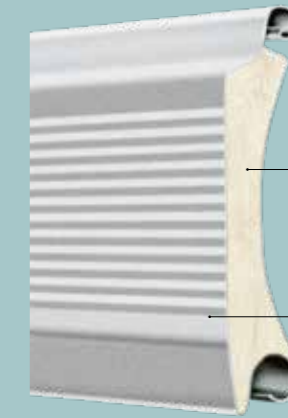




TECKENTRUP

THERMOTECK ROLLER SHUTTER

- GALVANISED AND HEAT-INSULATING
- SPECIAL PROFILE
- IN LIGHTWEIGHT STEEL DESIGN



Special profile contour
rolled from one piece, thus even higher resistance and quieter.

Double-walled profile
made of high-strength PU hard foam, exceptionally durable and also heat-insulating.

Innovative micro-profiling
in attractive look, especially stable and low-wear.

Installation in

- Masonry: min. 120 mm
- Concrete: min. 150 mm
- Steel
- Autoclaved aerated concrete walls: min. 200 mm (only with steel skirting)
- Wood: min. 240 mm

Size range/installation dimensions

Width: up to 18 000 mm
Height: up to 12 000 mm
(Additional dimensions upon request)

Door curtain

Consists of hinge-like profiles pushed into one another made of galvanised steel

Surface

- Profile made of double-walled steel, Partition 95 mm
- Galvanised steel or coil coating



Special solution (extreme door width) in a football stadium



Hall closure in industrial enterprise



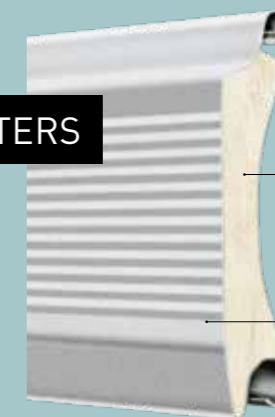
Simple, practical and secure

The new Teckentrup Easy roller shutter system distinguishes itself with a simple and robust design. The individual components were intelligently simplified and perfectly harmonised with one another. Cumbersome measurement work, for example for console attachment and wind shaft position, is done away with. In addition, installation is simplified with the pre-wired controller and drive. Compared to common door systems, this saves up to 40% of the installation time.

TECKENTRUP

THERMOTECK "EASY" ROLLER SHUTTERS

- 40% FASTER INSTALLATION
- 1-MAN INSTALLATION
- FOR STANDARD USE



Special profile contour
rolled from one piece, thus even higher resistance and quieter.

Double-walled profile
made of high-strength PU hard foam, exceptionally durable and also heat-insulating.

Innovative micro-profiling
in attractive look, especially stable and low-wear.

Installation in

- Masonry: min. 120 mm
- Concrete: min. 150 mm
- Steel
- Autoclaved aerated concrete walls: min. 200 mm (only with steel skirting)
- Wood: min. 240 mm

Size range/installation dimensions

Basic dimensions:
Width: up to 5000 mm
Height: up to 5000 mm
(Additional dimensions upon request)

Door curtain

- Consists of hinge-like profiles pushed into one another
- Available in 2 versions:
 - ThermoTeck Easy roller shutter
 - TG-X Easy roller shutter

Surface

- Galvanised steel
- Coil coated



The pre-wired controller is integrated into the reliable direct-mount drive. Conveniently operated via a plug-in-ready pre-wired 3 button switch.



Long service life and high-strength connection system between shaft and door curtain (Teckentrup property right). The 8-point winding shaft incl. pin is completely galvanised.



Pre-drilled guide rails simplify installation. The bottom seal is integrated into the last profile and thus ensures a harmonic look, inside and out.

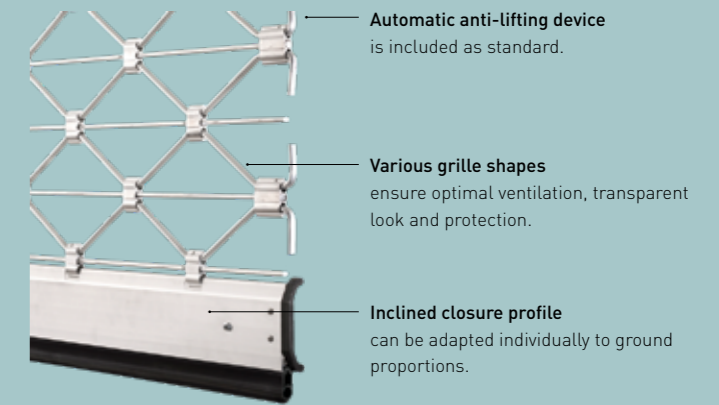


The roller shutter curtain is pre-installed on the winding shaft and can be installed into the console easily.



TECKENTRUP ROLLER GRILLES

- EXCELLENT AIR EXCHANGE
- GREAT DEAL OF LIGHT AND TRANSPARENCY
- SECURE PROTECTION



Installation in

- Masonry: min. 120 mm
- Concrete: min. 150 mm
- Steel
- Autoclaved aerated concrete walls: min. 200 mm (only with steel skirting)
- Wood: min. 240 mm

Size range/installation dimensions

Nominal dimensions:
Width: up to 11 500 mm
Height: up to 8 000 mm

Door curtain

Consists of galvanised steel hinge-like honeycombs connected to one another, made of stainless steel or aluminium

Surface

- Made of flat material: straight or bent honeycomb. Axial guide pieces made of wearproof plastic (TG-A, TG-S, TG-E)
- Made of flat-ground material: Straight honeycomb with crossbar (TG-X)
- Stainless steel (TG-E)
- Plate-finished aluminium



Roller grilles protect access to shopping centres



TG-A roller grille in an underground garage

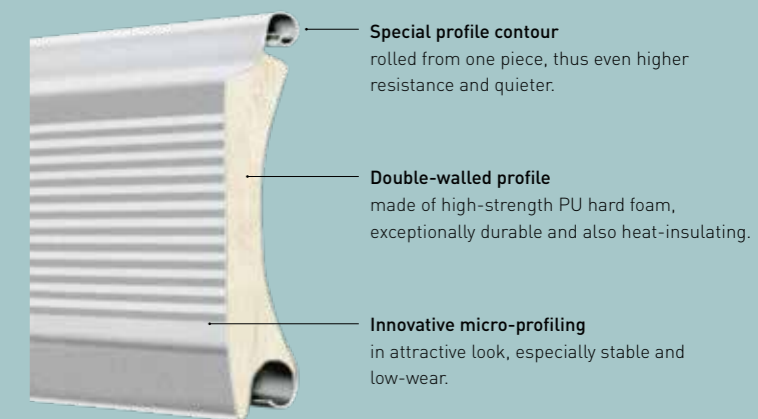


TG-X roller grille as protective/partition grille in a shop passage



TECKENTRUP XXL ROLLER SHUTTERS

- INDIVIDUAL DOORS UP TO 18 M WIDE
- DOUBLE ROLLER SHUTTERS UP TO 36 M WIDE



Installation in

- Masonry: min. 120 mm
- Concrete: min. 150 mm
- Steel
- Autoclaved aerated concrete walls: min. 200 mm (only with steel skirting)
- Wood: min. 240 mm

Size range/installation dimensions

LDB = door width = min. 2 x 1 000 mm
 LDB = door width = max. 2 x 18 000 mm
 LDH = door height = min. 2 500 mm
 LDH = door height = max. 10 000 mm
 Multi-dimensional doors also available (e. g. in 3x18 000 mm, 4x18 000 mm etc.)

Door curtain

Consists of hinge-like profiles pushed into one another made of galvanised steel

Double door features

- Open independent of one another
- Asymmetric separation possible
 - Separate drive
 - Centre supports with buffer insulation, movable

Surface

- Profile made of double-walled steel, Partition 95 mm
- Surface: galvanised steel or coil coated



With the special guide rail system, the unlocked centre post can be simply pushed to the edge by hand. Both doors are opened and an exit can take place with minimal manoeuvring.



Safe is safe: The door can only move when the post is securely locked. This prevents the door from accidentally dropping. A sensor detects if the post is correctly locked.

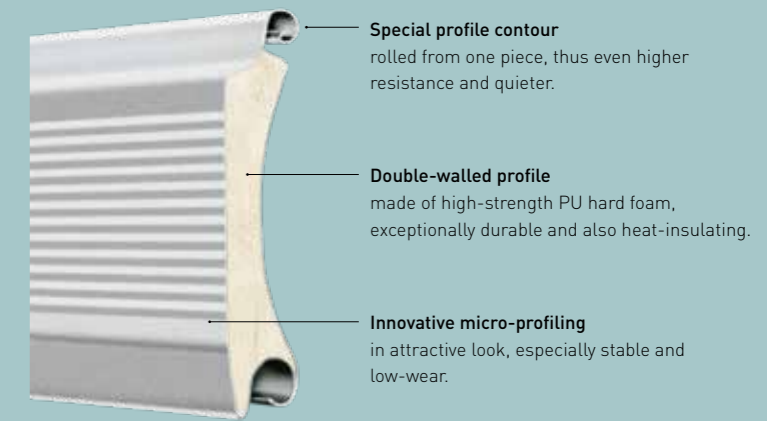


High-performance drive with high speed

- Frequency converter controller with soft start and soft stop. Protects the material and ensures a long service life of the door
- Dimensions of up to 8000 mm door width and 9000 mm door height
- More protection for people and material via series-standard integrated light curtain in protected interior area
- Maximum opening speed of up to 1.5 m/s

HIGH-SPEED ROLLER SHUTTER THERMOTECK SPEED

- HIGH RUN SPEED
- VERY LOW WEAR
- EXCELLENT VALUE FOR THE MONEY



Special profile contour
rolled from one piece, thus even higher resistance and quieter.

Double-walled profile
made of high-strength PU hard foam, exceptionally durable and also heat-insulating.

Innovative micro-profiling
in attractive look, especially stable and low-wear.

Installation in

- Masonry: min. 120 mm
- Concrete: min. 150 mm
- Steel
- Autoclaved aerated concrete walls: min. 200 mm (only with steel skirting)
- Wood: min. 240 mm

Size range/installation dimensions

Nominal dimensions:
Width: 2 000 - 8 000 mm,
height: 2 550 - 9 000 mm
Doors of wind load class 3/4 available upon request!

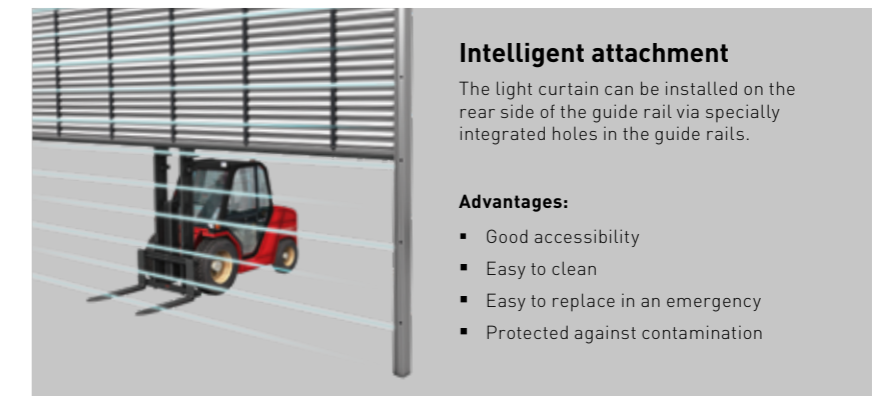
Door curtain

Consists of hinge-like profiles pushed into one another made of galvanised steel

Surface

- Profile made of double-walled steel, Partition 95 m
- Surface galvanised steel or coil coated

With its high endurance characteristics and robust design, the high-speed roller door meets the necessary requirements for all areas of use, especially for use as an outside door. At high motor speeds of up to 1.5 metres per second, our high-speed roller doors guarantee high energy efficiency by keeping heat losses to a minimum. The shorter the time a door stands open, the lower the heat losses while the door moves.

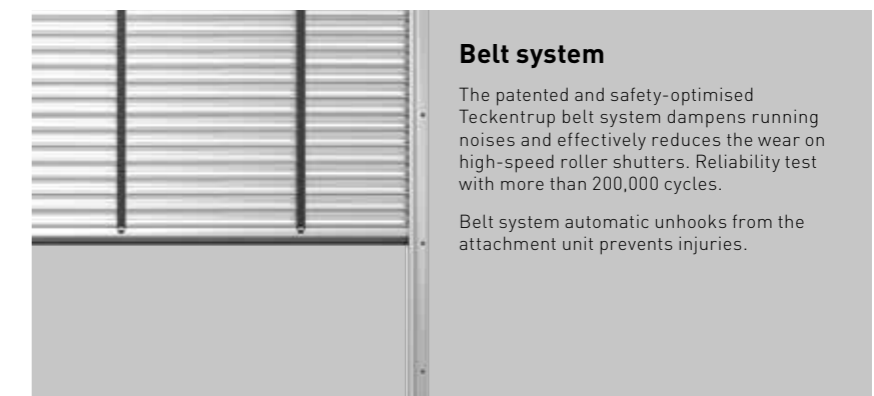


Intelligent attachment

The light curtain can be installed on the rear side of the guide rail via specially integrated holes in the guide rails.

Advantages:

- Good accessibility
- Easy to clean
- Easy to replace in an emergency
- Protected against contamination



Belt system

The patented and safety-optimised Teckentrup belt system dampens running noises and effectively reduces the wear on high-speed roller shutters. Reliability test with more than 200,000 cycles.

Belt system automatic unhooks from the attachment unit prevents injuries.



TECKENTRUP HIGH-SPEED SCREEN DOORS

- HIGHLY STABLE, ROLLER SHUTTER CURTAIN WITH PVC WINDOW
- WITH SPRING-TENSIONED ANTI-CRASH SYSTEM
- PERFECT FOR USE OUTSIDE IN COMBINATION WITH ROLLER OR SECTIONAL DOORS



The end pieces are manually coupled to the guide. This means that they are not stressed and have a very long service life.

The crash end pieces automatically jump back into the bottom centreboard, and the curtain remains undamaged.

The retainer mechanism opens automatically when the bottom centreboard is struck.

Size range/installation dimensions

- MSLT 06/06 FU:
up to 4 600 x 4 600 mm (W x H)
- SLT 09/09 FU:
up to 7 000 x 6 000 mm (W x H)
- SLT 25 FU:
up to 6 000 x 6 000 mm (W x H)

Standard colours follow

RAL 1003 signal yellow
RAL 1018 zinc yellow
RAL 2004 orange
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

Window

Roller curtain consists of one 1 200 mm view stripe made of transparent PVC 2 mm thick starting at approx 1 300 mm

Opening/closing speeds

- SLT 06 = ca. 0.8 m/sec.
SLT 06 FU = opens approx. 1.7 - 2.0 m/sec (depends on size) = closes approx. 0.8 m/sec
- SLT 09 = approx. 0.8 m/sec
SLT 09 FU = opens approx. 1.7 m/sec (faster door speeds upon request) = closes approx. 0.8 m/sec
- SLT 25 FU = opens approx. 2.5 m/sec = closes approx. 0.8 m/sec



High-speed screen door in RAL 7038 (agate grey)



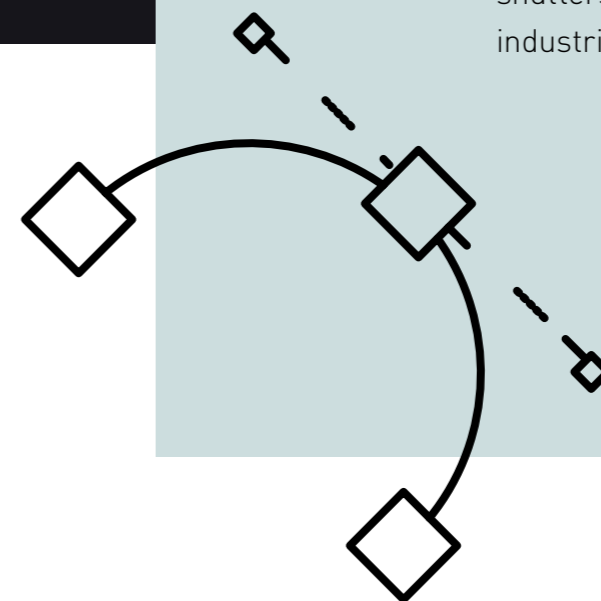
High-speed screen doors protect people and material via the integrated spring-tensioned anti-crash system

AESTHETIC APPEARANCE

There are no shortcomings in the design either: Our industrial roller shutters are available with a number of designs and furnishings and will match the architectural aesthetics of any building façade.

Choose from numerous design options: Whether it's colours, surfaces, glazing and looks, here you will find the right solution that fits your requirements.

Due to their appealing modern look, for example with chic glazing elements, our industrial roller shutters are true eye-catchers within the entire industrial area.



OUR DESIGN VARIETY CATERS TO EVERY DEMAND



The look of the door contributes significantly to the appearance of an industrial facility and also perfectly expresses the corporate design. The broad Teckentrup colour spectrum allows for countless door designs. Designers can draw inspiration and realize their individual style.

Teckentrup ThermoTeck roller shutters are available in galvanised steel with transparent protective film as well as coil coating on both sides with a large colour variety.

STANDARD COLOURS



Sepia brown
RAL 8014



White aluminium
RAL 9006



Grey white
RAL 9002



Traffic white
RAL 9016

OPTIONAL RECOMMENDED COLOURS



Flame red
RAL 3000



Gentian blue
RAL 5010



Moss green
RAL 6005



Window grey
RAL 7040



Grey aluminium
RAL 9007



Anthracite grey
RAL 7016

ROLLER SHUTTER PROFILE

Select the right profile for your roller shutter from our ThermoTeck or aluminium modules. All are exceptionally robust and visually appealing as well as optionally available with glazings or ventilation grilles. From our roller grille shapes, choose between diamond or honeycomb shapes that suit your desired overall impression.

The special insulated ThermoTeck profile made from steel



ThermoTeck profile with protective film or coil coating on both sides



ThermoTeck profile with glazing



ThermoTeck profile with ventilation grille

The alternative: the 4020 aluminium profile



4020 profile



4020 profile with glazing



4020 profile stucco-patterned



4020 profile stucco-patterned with glazing

The roller grille shapes



Roller grille in diamond shape TG-X (aluminium)



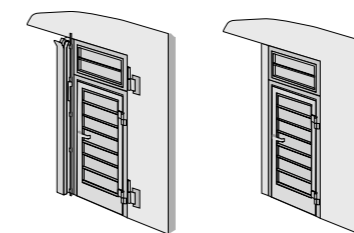
Roller grille in honeycomb shape as TG-A (aluminium), TG-S (steel), TG-E (stainless steel)



SUITABLE
SIDE DOORS
TYPE N 53

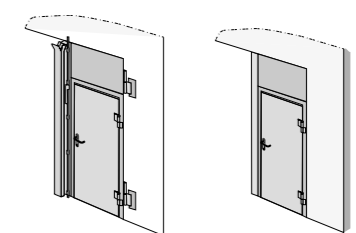
Where necessary, numerous threshold-free side doors ensure a smooth passage of people. Whether it's a fixed or rotatable side section, safety and functionality always stand in the foreground.

- Extruded anodised aluminium profile in E6/EV1
- 3-Sided double buffer seal, slide seal in threshold as bottom seal
- As standard, with mortice lock and aluminium lever set in E6/EV1
- Door element filling with roller shutter profile slats in door colour



Side section (fixed + rotatable)

As standard, consists of steel profile frame, construction primed grey white (similar to RAL 9002), integrated steel sheet side door and top light with sheet covering.

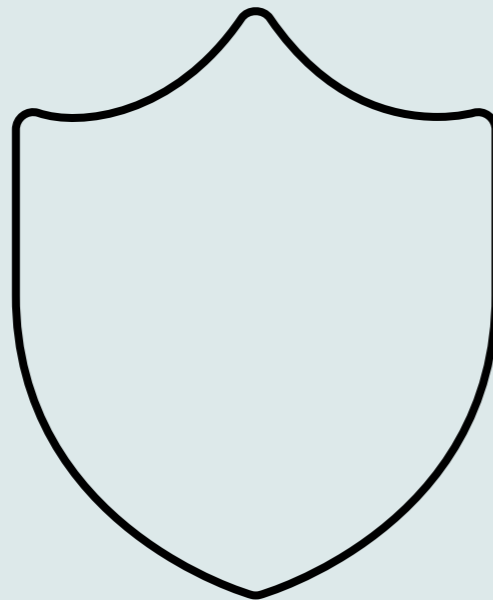


Type N53 side section (fixed + rotatable)

Consists of side door including side door upper section, frame in aluminium frame design, E6/EV1 surface, max. height: 8 000 mm, max. overall frame dimensions: 1 250 x 2 500 mm (W x H).

DOORS FOR MORE SECURITY

Our industrial roller shutters ensure a high degree of protection and security, regardless of whether they close off access to a vehicle fleet or to a warehouse. The flexible door construction and its exceptionally stable double-walled profiles allow precise solutions for various room closures. Stable and robust components as well as additional mechanical locking elements, such as the sliding bolt or a lockable bottom profile, ensure that effective anti-burglary protection is guaranteed at all times. The use of modern control elements ensures additional convenience for the daily opening and closing of doors.

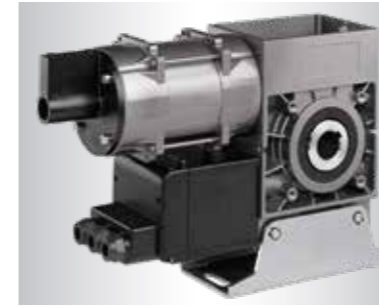




CONVINCING TECHNOLOGY

Teckentrup roller shutters meet all the safety requirements and specifications of EN 13241-1. This means that, for every door, mechanical aspects, safety of use, heat insulation, sound insulation, tightness and wind loads are considered in accordance with European standards. Roller shutters from Teckentrup are functional, easy to install and reliable. They are suitable for all spatial situations and are primarily used in commercial as well as agricultural applications.

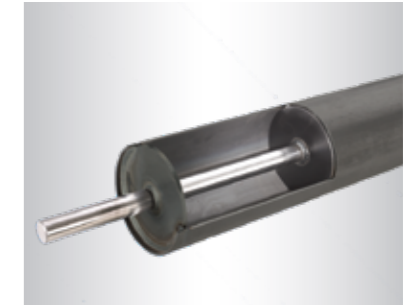
- Mechanical influences
- Heat insulation
- Seal
- Safety of use
- Sound insulation
- Wind load



1 Direct-mount drive with anti-drop device
TAR direct-mount drive with integrated anti-drop device. The anti-drop device prevents the door curtain from falling in an emergency.



2 Wind hooks
Wind hooks ensure safety even with high wind loads.



3 Winding shaft
The fixed inner circle guarantees low stress on the weld seams of the outer circle, and thus the safe winding up and down of the door curtain.



4 Guide rails
Functional and stable guide rail system with plastic slide profile to improve movement and slide characteristics.



5 Bottom profile with seal
The bottom profile with seal made of rot-proof elastic and non-freeze EPDM rubber profile smooths out floor unevenness and protects from cold and damp.



6 Closing edge mechanism
The door stops automatically when detecting an obstacle.



7 Photocells (roller shutters)
An additional photocell stops the door without contact. Under certain conditions, the use of such a photocell is legally required.



8 Photocells (roller grilles)
The roller grille gate has additional photocells around the lintel to prevent personal injury.

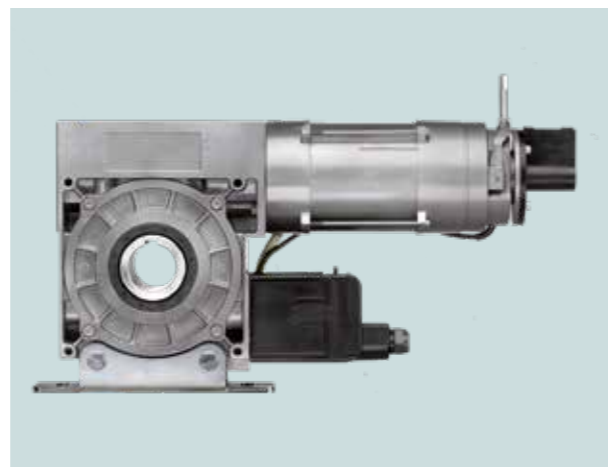


9 Burglar-resistant security
Stable, robust components and additional mechanical locking elements guarantee effective anti-burglary protection. Optional sliding bolt: mechanical lock or lockable bottom profile that is activated electrically.



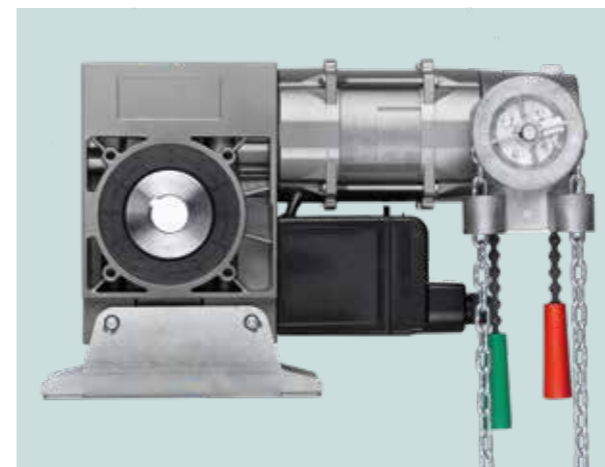
CONVENIENT OPERATION OF THE DRIVE SYSTEMS

Modern control elements ensure additional convenience with electrically operated door systems. The door is operated easily and conveniently using a durable handheld transmitter. Alternatively, the pulse can be generated by the photocells, induction loops, radar motion sensor, etc.

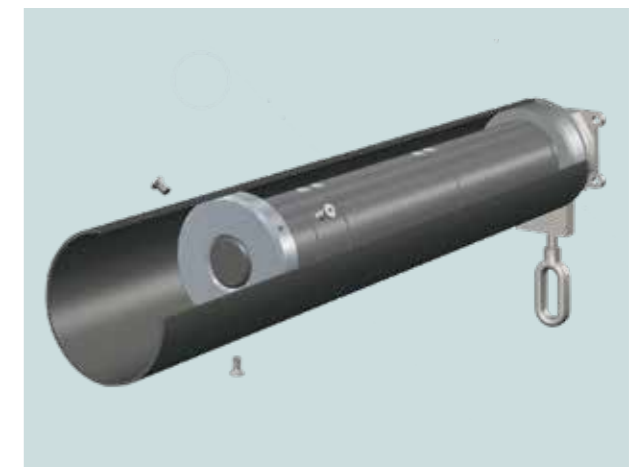


Direct-mount drive

Compact and easy to install. With integrated, maintenance-free anti-drop device. Optionally available with emergency hand crank ...



... or emergency chain



Tubular drive

Recommended for small doors, constrained spatial proportions, and small load cycles (emergency operation via awning road).



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 (for use in underground garages, car workshops). The CS 310 control system has two potential-free end position sensors.

Fast-running

CS 310 FU version with frequency converter. Soft start and stop for material-friendly door operation and secure function.



LED signal lamps



Internal radio receiver for CS 310, pluggable



Internal radio receiver for CS 310, plug-in



Radar motion detector with programming device



2-channel hand-held transmitter



4-channel hand-held transmitter



10-channel hand-held transmitter



99-channel hand-held transmitter



Push button "Open - Stop - Close"



Push button "Open - Emergency stop - Close"



Lockable push button "Open - Emergency stop - Close"



Lockable push button "Open - Stop - Close"



Exposed key-operated switch



Concealed key-operated switch



Radio code switch



Concealed key-operated switch with stop button



Emergency stop switch



One-way photocells



Reflective photocells

Industrial roller shutters						
	ThermoTeck profile	4020 profile	TG-S roller grille	TG-A roller grille	TG-E roller grille	TG-X roller grille
DOOR SIZES						
Width, maximum, in mm	18 000	18 000	11 500	11 500	11 500	11 500
Height, maximum, in mm	12 000 ¹⁾	12 000	8 000	8 000	8 000	8 000 ¹⁾
Door leaf weight, in kg/m ²	approx. 11	approx. 10	approx. 14	approx. 7	approx. 14	approx. 6
SPACE REQUIREMENTS						
See technical data sheet	■	■	■	■	■	■
DOOR CURTAIN, MATERIAL						
Steel, single-walled	-	-	■	-	-	-
Steel, double-walled	■	-	-	-	-	-
Stainless steel	-	-	-	-	■	-
Aluminium, single-walled	-	-	-	■	-	■
Aluminium, double-walled	-	■	-	-	-	-
DOOR LEAF, SURFACE						
Steel, galvanised	■	-	■	-	-	-
Steel, coil coated	■	-	-	-	-	-
Steel, powder coated	▲	-	▲	-	-	-
Stainless steel	-	-	-	-	■	-
Aluminium, stucco-patterned	-	■	-	-	-	-
Aluminium, plate-rolled	-	■	-	■	-	■
Aluminium, coil coated	-	■	-	-	-	-
Aluminium, powder coated	-	▲	-	▲	-	▲
Side door appearance matches door leaf	▲	▲	▲	▲	▲	▲
GLAZING OPTIONS						
Rectangular window	▲	▲	-	-	-	-
SEALS						
Top seal	■	■	-	-	-	-
Floor seal	■	■	-	-	-	-
LOCKING SYSTEMS²⁾						
Anti-lifting guard	-	-	■	■	■	■
Sliding bolt	▲	▲	-	-	-	-
Lockable bottom profile	▲	▲	▲	▲	▲	▲
SAFETY EQUIPMENT						
Anti-drop device	■	■	■	■	■	■
Closing edge mechanism	▲	▲	▲	▲	▲	▲
Roll-up safety	▲	▲	▲	▲	▲	▲
DRIVE¹⁾²⁾						
Direct-mount drive	■	■	■	■	■	■
Chain drive	▲	▲	▲	▲	▲	▲
Tubular drive (size upon request)	■	-	■	■	■	■
ATTACHES TO						
Concrete, steel, masonry	■	■	■	■	■	■
Others available upon request	▲	▲	▲	▲	▲	▲

¹⁾ For use as an easy door: max. door height/door width of this profile: 5000 mm; special equipment deviates from table.

²⁾ For use as an Speed high-speed roller shutter: max. door width of this profile: 8000 mm; special equipment deviates from table.

High-speed screen doors					
	SLT 07	SLT 07 FU	SLT 08	SLT 08	SLT 25 FU
DOOR SIZES					
Width, maximum, in mm	4 600	4 600	6 000	6 000	6 000
Height, maximum, in mm	4 600	4 600	6 000	6 000	6 000
OPENING SPEED					
m/sec	0.8	1.2 - 1.5	0.8	1.5	1.5 - 2.5
CLOSING SPEED					
m/sec	0.8	0.8	0.8	0.8	0.8
USE					
Internal doors	■	■	■	■	■
External doors	-	■	■	■	■
PERFORMANCE CHARACTERISTICS					
Safety equipment per EN 13241-1	■	■	■	■	■
Wind class per EN 12424	1	1	2	2	2
SPRING-TENSIONED ANTI-CRASH SYSTEM					
Up to max. 5 000 mm clear width	■	■	■	■	■
EMERGENCY OPENING					
Crank (at drive height)	■	■	■	■	■
Chain (from bottom up)	▲	▲	▲	▲	▲
Counterweighting technology, manual emergency opening if power fails.	■	■	-	-	-
SAFETY EQUIPMENT					
Safety photocells	■	■	■	■	■
Self-monitoring contact strip	■	■	■	■	■
Approved for escape or emergency routes	-	▲	-	-	-
DRIVE AND CONTROLLER					
2 potential-free contacts	■	■	■	■	■
Supply voltage, 1 phase, 400V*	■	■	■	■	■
Protection class IP 54	■	■	■	■	■
Protection class IP 65	▲	▲	▲	▲	▲
Controller with emergency stop switch	■	■	■	■	■
Digital limit switch	■	■	■	■	■

* Depends on door size.



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