Rolling shutters and rolling grilles

SSG DD for combination of 2 or 3 rolling shutters / rolling grilles for openings up to 36 m width and 9 m height
4 Hörmann brand quality
6 Sustainably produced
7 Simple and sustainable planning
8 Good reasons to try Hörmann
12 Application areas

14 Rolling shutter / rolling grille SB
   Underground garage rolling shutter / rolling grille TGT
26 Rolling shutter / rolling grille DD
32 Rolling shutter / rolling grille combination with SSG DD
34 Rolling shutter DD S6
38 Rolling shutter laths
40 Rolling grille curtains
41 Shop doors
42 Wind lock and break-in resistance
44 Side doors
46 Colours
48 Safety features and performance characteristics
49 Compatible system solutions
50 Controls
52 Accessories
60 Performance characteristics
62 Hörmann product range
Hörmann brand quality
Reliable and oriented towards the future

In-house product development
At Hörmann, innovation is produced in-house – highly qualified employees of the development department are in charge of product optimisation and new developments. This results in market-ready, high-quality products that are very popular around the globe.

Modern manufacturing
All the essential door components, such as profiles, side guides, and support brackets are developed and produced by Hörmann – not bought in from here, there and everywhere. This guarantees a high degree of compatibility between the door, operator and controls. The certified Management System guarantees the highest level of quality from development, through production to shipping. This is Hörmann quality – Made in Germany.
As Europe’s leading manufacturer of doors, hinged doors, frames and operators, we are committed to high product and service quality. This is how we set standards on an international scale.

Highly-specialised factories develop and manufacture construction components that are marked by excellent quality, functional safety and a long service life.

Our presence in the global economy’s key regions makes us a strong, future-oriented partner for industrial and public construction projects.

Competent advice

Experienced specialists within our customer-oriented sales organisation accompany you from the planning stage, through technical clarification up to the final building inspection. Complete working documentation, such as, e.g. technical manuals, is not only available in printed form, but is always accessible and up-to-date at www.hoermann.com.

Fast service

Our extensive service network means that we are always nearby and at your service around the clock. This is a great advantage for testing, maintenance and repairs.
Sustainability documented and approved by the ift in Rosenheim

Hörmann has received confirmation of the sustainability of all its rolling shutters and rolling grilles through an environmental product declaration (EPD) in accordance with ISO 14025 and EN 15804 from the Institut für Fenstertechnik (ift – Institute of window technology) in Rosenheim. The inspection was based on the Product Category Rules (PCR) “Doors and Gates”. Environmentally-friendly production was confirmed by a life-cycle analysis in accordance with DIN ISO 14040 / 14044 for all rolling shutters and rolling grilles.

Sustainably produced rolling shutters and rolling grilles from Hörmann

**Ecological quality**
Environmentally-friendly production through a comprehensive energy management system

**Economical quality**
A long service life and low maintenance costs thanks to the use of high-quality materials

**Process quality**
Sustainable production processes through optimised material use

Sustainable construction with Hörmann’s expertise

Hörmann has been able to gain great expertise in sustainable construction through various projects. We also apply this know-how to support your projects.
Simple and sustainable planning
With the Hörmann Architects’ Program and energy savings compass

The Architects’ Program
More than 9000 drawings for over 850 products
Planning with Hörmann products is now even easier thanks to a modern, user-friendly interface. Clearly structured navigation via drop-down menus and symbols, as well as a search function, provide faster access to texts for invitation to tenders and drawings (in DWG and PDF format) of over 850 Hörmann products. In addition, BIM data can be provided for many products for the Building Information Modelling process, enabling efficient planning, drafting, construction and management of buildings. Photos and photo-realistic presentations provide additional information on many products.

The energy savings compass for sustainable planning
Hörmann’s energy savings compass shows how industrial door systems and loading technology are planned with energy-efficiency and sustainability in mind. An integrated calculation module estimates the amortisation period for door and loading technology systems. The energy savings compass is available as a web-based interface for PC / MAC and mobile end devices.

Plan with the energy savings compass at:
https://www.hormann.co.uk/fileadmin/_country/UK/Energiesparkompass/Energy_savings_compass/ml_eskSCALEframe.html

The Architects’ Program is available to you as a web version at www.hoermann.co.uk/forums/architects-forum/architects-program or can be downloaded free-of-charge from the Hörmann Architects’ Forum.

We are a member of the professional association for digital building products in the Federal Association of Building Systems e.V.
Good reasons to try Hörmann
The market leader has all the innovations

Only from Hörmann

1 Innovative tension spring assembly

All rolling shutters / rolling grilles SB and underground garage rolling shutters / rolling grilles TGT are equipped with tension spring assembly. Thanks to this technology the door opens and closes particularly easily and the door and operator mechanism is protected. The custom-dimensioned springs enable long service intervals.

For further information, see pages 16 – 17.

2 Easy manual operation

Rolling shutters / rolling grilles SB can be easily opened and closed by hand as the weight of the door curtain is compensated thanks to the tension spring assembly. This inexpensive solution is ideal for doors that are rarely used. If the frequency of the door use changes, an electric operator can be easily retrofitted.

For further information, see pages 18 – 19.
Thanks to the standard power limit of operators WA 300 R S4 and WA 300 AR S4, the rolling shutters/rolling grilles SB and TGT offer particularly high safety during opening and closing. For many curtain variants and size ranges, the installation of a closing edge and lintel trap guard can therefore be dispensed with.

For further information, see page 17.
Specifically for collective garages

The underground garage rolling shutters / rolling grilles TGT were developed to meet the special requirements of underground and collective garages. The compact design with low required headroom allows for an installation even in very tight spaces. In combination with the standard soft start and soft stop function of the operators, the doors are particularly characterised by their smooth-running characteristics.

For further information, see pages 22 – 25.

Quick door opening

Optimise your operations and minimise heat loss with the optional accessory package S6 for the rolling shutter DD with Decotherm curtain. The door opens at up to 1.1 m/s – and thus almost as fast as a high-speed door. Fitting dimensions as well as procurement and operating costs are significantly lower than for a high-speed door. Thanks to the soft start and soft stop function, the door runs particularly gently – this takes stress off the door mechanism, thus extending the service life of the door. A light grille in the travel area ensures high safety and is also reliably protected against damage.

For further information, see pages 34 – 37.
Rolling shutter / rolling grille combination

With the SSG DD you can combine up to 3 doors with a movable mullion and thus close door openings of up to 36 m wide and 9 m high. The standard rolling shutters / rolling grilles can be operated individually or simultaneously. In order to release the complete openings, the coupling elements are simply pushed to the side. The rolling shutter / rolling grille combination with SSG DD is a particularly economical solution – from transport and fitting to service.

For further information, see pages 32 – 33.

Long service life

All rolling shutter / rolling grille components are designed to have a long service life. For this purpose, the support brackets and barrels are supplied galvanized as standard and the guide rails are made of high-quality aluminium. Long-lasting components are used down to the last detail. For example, the well thought-out design of the guide channel with particularly wide sliding surfaces on the rolling shutter DD, which also reduces wear of the door curtain.

For further information, see page 29.
Compact and space-saving night door for shopping centres
Rolling shutter / rolling grille SB
Rolling shutter / rolling grille DD

You can find additional door solutions for store entrances in the "RollMatic rolling grille" brochure.

Optimised door systems for logistics
Rolling shutter SB
Rolling shutter DD
Rolling shutter DD S6

Easy operation for commercial buildings, warehouses and agriculture
Rolling shutter SB (manually operated)
Rolling shutter SB (with operator)
Secure night door for collective garages and multi-storey car parks
Rolling shutter / rolling grille TGT
Rolling shutter / rolling grille DD

You can find additional door solutions for underground and collective garages in the “Door systems for collective garages” brochure.

Economic design for industrial and production halls
Rolling shutter / rolling grille SB
Rolling shutter / rolling grille DD

Ideal solution for large openings up to 36 m width and 9 m height
Rolling shutter / rolling grille DD with SSG DD
Rolling shutter / rolling grille SB
The economic door solution with tension spring assembly, either with manually operated or power-driven operation

The manual rolling shutter allows for a simple operation of doors up to $5000 \times 4500$ mm.
This door features space-saving design and high operational safety in all situations, e.g. with emergency opening from the outside, which is especially suited for store entrances without a separate entrance.

The convenient operation via operator is the best solution for doors with a high opening frequency.

This robust, inexpensive solution with steel or aluminium rolling shutter curtains is available for door widths up to 5000 mm.
Rolling shutter / rolling grille SB
and underground garage rolling shutter / rolling grille TGT
With tension spring assembly for comfort and safety
Safe and reliable thanks to innovative tension spring assembly

The rolling shutters / rolling grilles SB and TGT are characterised by a **low-maintenance and economical** operation, as the curtain weight is ideally compensated by the tension spring assembly. For manually operated doors, the tension spring assembly provides support during **easy opening and closing of the door**. For power-driven doors, the tension spring assembly reduces operator load and **extends the service life of operator components**.

Well thought-out door construction

The entire door construction, including support brackets and side guides, is fitted as a frame unit to the building structure. This reduces fitting time and thus costs. Thanks to the optional fitting gearbox, fitting is also possible in difficult fitting situations without a forklift. Thanks to the low sideroom of only 165 mm, the door can also be fitted easily in tight spaces. Plastic runners and brushes in the aluminium side guides ensure **quiet door travel**.

See the fitting video at: http://www.hormann.co.uk/videos

Operator variants as standard with soft start and soft stop as well as power limit

The standard power limit in the “Open” and “Close” directions **ensures safe operation**, as the door stops reliably when encountering an obstacle. In addition, it is particularly easy to fit, because most curtains and door sizes do not require a closing edge and lintel trap guard at the door. Due to the lack of sensors with a wear-resistant spiral cable on the door curtain, this door / operator construction is also very **low-maintenance and cost-effective**. Thanks to the soft start and soft stop function of the door curtain, all door and operator components are protected from wear.
Manually operated door solution
The manually operated rolling shutter / rolling grille SB is the optimum solution for low-frequency building openings and allows for easy opening and closing even without an operator.

Simple operation
Thanks to the patented tension spring assembly, the door can be opened and closed manually with very little effort. The door is operated via the interior or exterior handle or optionally via a pull rod or a chain hoist.

Optional operator retrofitting
If an automatic door opening is subsequently required, an operator can be easily retrofitted to the rolling shutter / rolling grille SB (see page 21).

Maximum door sizes
Rolling shutter up to 5000 × 4500 mm
Rolling grille up to 6000 × 4500 mm

Curtain variants rolling shutter / rolling grille SB
Size range (W × H, max.)

Decotherm S, steel
5000 × 4500 mm

HR 120 A, aluminium
5000 × 4500 mm

All curtains with wind locks or pull-out protection as standard!
For further information, see page 42.
Curtain overview from page 38
Actuation types
- Interior handle 1
- Exterior handle 2
- Pull rod (optional) 3
- Chain hoist (optional) 4

Break-in-resistant locks
- Shootbolt 5
- Lockable bottom profile 6
Rolling shutter / rolling grille SB
The convenient solution with optimally matched operators

Tailored operator and control systems

The rolling shutter / rolling grille SB can also be equipped with an electronic operator for particularly convenient door operation. These operator and control systems, which are optimally matched to the door technology, are characterised by the standard soft start and soft stop function of the door curtain, which protects all door and operator components from wear.

Reliable power limit

With the operators WA 300 R S4 and WA 300 AR S4, you also benefit from the standard power limit in the “Open” and “Close” directions, which means that no additional safety systems such as closing edge safety devices and lintel trap guards are required for most curtains and door sizes. In the event of emergency operation, e.g. during a power failure, all operators can simply be switched to manual operation.

Optional cover

For effective protection against accidental reaching into the door barrel as well as against dirt and adverse effects of the weather, optional cladding is available for the door barrel and operator.

Maximum door sizes

Rolling shutter up to 5000 x 4500 mm
Rolling grille up to 6000 x 4500 mm

Curtain variants rolling shutter / rolling grille SB

Size range (W x H, max.)

Decotherm S, steel
5000 x 4500 mm

HR 120 A, aluminium
5000 x 4500 mm

All curtains with wind locks or pull-out protection as standard!
For further information, see page 42.
Curtain overview from page 38
Operator variants

1. **WA 250 R S4**
The inexpensive operator with press-and-hold operation
- Ideally suited for doors with low operating frequency
- Opening and closing when button is pressed (press-and-hold operation)
- Integrated operator control with push button DTH-R
- Limit switch reporting or start warning with traffic lights can be optionally connected via additional prints

2. **WA 300 R S4**
The convenient operator with impulse operation
- Automatic opening and closing after pressing the button (impulse operation)
- Integrated operator control with push button DTH-R
- Automatic timer can be selected after 30, 60 or 90 seconds
- Low power consumption in standby of approx. 1 watt (if no other electrical accessories are connected)
- Functional extension possible with external control 360 (see page 50): second opening height, traffic control (in combination with activating kit for warning light and photocell)

3. **WA 300 AR S4**
The compact and convenient operator with impulse operation
- Optionally for fitting situations with suspended ceiling (stores, etc.), as no operator components are fitted beneath the door barrel
- Only 100 mm additional sideroom is required on the operator side
- Automatic opening and closing after pressing the button (impulse operation)
- Control unit 300 can be installed separately
- Quick and convenient setting of the travel limits and control parameters from the floor
- Automatic timer can be selected after 30, 60 or 90 seconds
- Low power consumption in standby of approx. 1 watt (if no other electrical accessories are connected)
- Functional extension possible with external control 360 (see page 50): second opening height, traffic control (in combination with activating kit for warning light and photocell)
- Activating emergency operation via standard “secured release” next to the side guide
- For indoor and outdoor use
Underground garage rolling shutter / rolling grille TGT
The compact door solution for collective garages thanks to quiet door travel and wear-free safety technology.

The compact construction is ideal for fitting situations with limited space.
Thanks to the standard soft start and soft stop function and the barrel-optimised profile technology, the underground garage rolling shutter / rolling grille is particularly smooth-running.

The standard power limit offers a high level of safety when opening and closing without sensors on the door curtain which are prone to malfunctions (underground garage rolling grille TGT with WA 300 AR S4 shown).
Underground garage rolling shutter / rolling grille TGT
The compact door solution for collective garages thanks to quiet door travel and wear-free safety technology

Compact design
The door construction specifically developed for the requirements of underground and collective garages with standard curtain cover is designed for an overall service life of 200000 door cycles* (Open / Close). Due to this compact design, the rolling grille, for example, needs a required headroom of only 350 mm. For further information, please see page 17.

Optimised operator systems
The operators, which are designed for 300 door cycles (Open / Close) per day, are particularly smooth-running. Due to the standard power limit in “Open” and “Close” directions, no safety systems susceptible to wear have to be fitted, e.g. closing edge safety devices and lintel trap guards for impulse operation. In the event of malfunctions, the underground garage rolling shutter / rolling grille TGT can be opened quickly and easily by hand.

Permanent protection
The galvanized sheet steel claddings are fitted directly to the door construction and protect the operator as well as the curtain. The optional 640 mm high marten protection on the rolling grille TGT keeps litter and small animals out. With all versions, the spring chambers at the side guides can be closed with robust aluminium covers in order to prevent accidental reaching into the door barrel.

Maximum door sizes
Rolling shutter up to 5000 × 2400 mm
Rolling grille up to 6000 × 2400 mm

* With regular maintenance replacement of wearing parts, e.g. springs

Curtain variants rolling shutter / rolling grille TGT

<table>
<thead>
<tr>
<th>Size range (W × H, max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decotherm S, steel</td>
</tr>
<tr>
<td>5000 × 2400 mm</td>
</tr>
<tr>
<td>HG-L, aluminium</td>
</tr>
<tr>
<td>6000 × 2400 mm</td>
</tr>
</tbody>
</table>

All curtains with wind locks or pull-out protection as standard! For further information, see page 42. Curtain overview from page 38
Operator variants

WA 300 R S4
The convenient operator with impulse operation
- Automatic opening and closing after pressing the button (impulse operation)
- Low power consumption in standby of approx. 1 watt (if no other electrical accessories are connected)
- Automatic timer can be selected after 30, 60 or 90 seconds
- Integrated operator control with push button DTH-R
- Functional extension with external control 360 (see page 50): second opening height, traffic control (in combination with activating kit for warning light and photocell)

WA 300 AR S4
The compact and convenient operator with impulse operation
- Optionally for fitting situations with driveways in front of the door, as no operator components are fitted beneath the door barrel
- Only 100 mm additional sideroom is required on the operator side
- Automatic opening and closing after pressing the button (impulse operation)
- Control unit 300 can be installed separately
- Quick and convenient setting of the travel limits and control parameters from the floor
- Automatic timer can be selected after 30, 60 or 90 seconds
- Low power consumption in standby of approx. 1 watt (if no other electrical accessories are connected)
- Functional extension possible with external control 360 (see page 50): second opening height, traffic control (in combination with activating kit for warning light and photocell)

Emergency release
- Easy and quick manual door opening
- Use of entrances and exits ensured even during power failures
- Optionally with tensioning system or operated from the exterior of the building

Notice: Compliance with the acoustic rating requirements in accordance with DIN 4109 depends on the acoustic planning and design of the building structure.
Rolling shutter / rolling grille DD
Innovative rolling shutter generation
For door openings up to 12000 mm wide and 9000 mm high

The **robust construction** is suitable for industry, trade and commerce.
The rolling grille DD is the ideal choice for secure night doors of large openings.

Thanks to the combination of multiple rolling shutters / rolling grilles DD with movable mullions SSG DD, openings up to a width of 36 m and height of 9 m can be closed.

The rolling grille DD is the ideal choice for secure night doors of large openings.
Rolling shutter / rolling grille DD
Small fitting dimensions and convenient fitting
Narrow aluminium side guide
The side guides require a sideroom of only 80 mm for all door sizes. They are fitted quickly and easily directly to the building structure. For better handling during transport and fitting, the side guides are delivered as a 2-part version from a door height of 6000 mm. The support profiles made of aluminium form an elegant unit with side guides. The optional steel bracket fastening allows fitting to insulated building openings or fitting by welding in steel construction.

Compact support brackets
The support brackets only require a sideroom of max. 180 mm (bearing side) or max. 280 mm (operator side).

Minimum wear guide channel
The standard guide channel with polyamide sliding surfaces reduces wear of the door curtain. In case of maintenance, the metal holder can be replaced in a particularly service-friendly way.

Easy fitting
The door construction is supplied as a ready-to-fit unit consisting of curtain, barrel and support bracket. The door components can easily be positioned on the building structure using the metre line and console template. Side guide markings ensure quick adjustment of the door’s end-of-travel positions. The stackable packaging units also optimise transport and logistics to the construction site.

See the fitting video at: http://www.hormann.co.uk/videos
Rolling shutter / rolling grille DD
More flexibility and simple fitting with the direct drive operator

Powerful operator and control system
This door solution for medium to large openings is characterised by a powerful direct drive operator and variable operator fitting as standard.

Flexible fitting
The fitting position of the operator can be freely selected during fitting and thus optimally adapted to the respective fitting situation on-site.

Optional cladding
An optional curtain and operator cover is available for effective protection against dirt and adverse effects of the weather.

Maximum door sizes
Rolling shutter up to 12000 × 9000 mm
Rolling grille up to 12000 × 8000 mm

Curtain variant rolling shutter DD
Size range (W × H, max.)

- Decotherm S, steel
  12000 × 9000 mm

- HR 120 A, aluminium;
  12000 × 8000 mm

- HG-L, aluminium
  9000 × 5500 mm

- HG-V, aluminium (reinforced);
  HG-S, steel
  12000 × 8000 mm
Direct drive operator

- Powerful direct drive operator with absolute encoder (AWG) for a reliable door operation
- Integrated position-independent catch safety device prevents the door curtain from falling
- Variable operator fitting
  1. Towards bottom
  2. Horizontal
  3. Towards top
- With the horizontal or upward alignment, no operator technology is visible underneath the barrel

Curtain and operator cover

- Protection of the door barrel from dirt and adverse effects of the weather with curtain cover PVDD
- Trap guard for doors less than 2500 mm high (required according to EN 13241-1)
- Can be extended by the VDD operator cover (closed unit: support brackets, curtain and operator)
- Made of galvanized sheet steel
- Quick and easy fitting thanks to fitting to door brackets

All curtains with wind locks or pull-out protection as standard!
Door versions for increased wind loads on request.
For further information, see page 42.

Curtain overview from page 38
Rolling shutter / rolling grille combination SSG DD
For large openings of up to 36 m width and 9 m height

Economical combination
This door combination allows for particularly large openings to be closed conveniently and economically by coupling two or three standard rolling shutters DD or rolling grilles DD. This door combination is especially economical during transport, fitting and service.

Variable door openings
For total opening, the doors are opened and then the mullion SSG DD is unlocked and pushed to the side. The doors can also be opened independently so that the opening can also be done in segments.

Higher wind loads
By locking the coupling elements on the building lintel and in the hall floor, this combination solution can withstand significantly higher wind loads compared to a large individual door.

Maximum opening sizes
- Widths up to 36 m
- Heights up to 9 m
Details

- Can be quickly and easily moved sideways thanks to a light track behind the lintel 1
- No components swivelling inwards or outwards
- Narrow mullion made of aluminium with a width of only 375 mm
- Swivel mechanism 2 with function monitoring prevents door movements when SSG DD is unlocked
- Robust bolts at the lintel and floor for secure closing and reliable transmission of wind loads 3
- Viewed from outside in bright-rolled aluminium with line design 4 as standard, optionally with profile configuration matching the door curtain 5

375 mm
Rolling shutter DD S6
Fast and secure with soft start and soft stop

The rolling shutter DD S6 is characterised by fast door opening for doors up to 7500 mm width and 8500 mm height.
The standard light grille at the side guides reduces the risk of collisions with forklifts.

High opening and closing speeds of up to 1.1 m/s optimise door operation and reduce heat loss.
Quick door opening
With the optional accessory package S6, the rolling shutter DD with Decotherm curtain opens at up to 1.1 m/s – almost as fast as a high-speed door.

Economical door system
This door/operator solution is characterised by significantly smaller fitting dimensions as well as lower procurement and operating costs compared to a high-speed door. For a longer overall service life, the door construction is designed for 200000 door cycles* (Open / Close).

Secure monitoring
The operator with soft start and soft stop function ensures gentle door travel. The standard safety light grille monitors the closing zone of the door up to a height of 2500 mm and stops the door without contact in the event of obstacles.

* With regular maintenance replacement of wearing parts

Curtain variant rolling shutter DD
Size range

- Curtain with wind locks as standard.
  For further information, see page 42.
- Curtain overview from page 38

Decotherm S, steel
Maximum door width 7500 mm,
Maximum door height 8500 mm,
Minimum door height 2750 mm
Optional accessory package S6
Fast, secure and reliable with soft start and soft stop

- For rolling shutter DD with Decotherm S curtain
- Powerful 1-phase FU operator (230 V 1-phase current, 50 Hz) with soft start and soft stop for gentle door travel
- Up to 30 door cycles per hour or 300 per day
- Light grilles in the side guides safeguard the door area even with high closing speeds
- Wear-free monitoring of the door operation as no sensors are required on the curtain
- L-Pads on the inside of the curtain to minimise noise and wear
- Space-saving design with only 100 mm of additional required headroom compared to a standard version rolling shutter DD
- Optionally with window profiles
Rolling shutter laths
Double- and single-skinned
### Decotherm S, steel
The profile made of galvanized special steel with barrel-optimised geometry is especially resistant to damage caused by transport, fitting and operation. The curtain is optionally available with or without colour coating. Lined profile view on interior and exterior, optionally with colour coating in RAL to choose on both sides.

### HR 120 A, aluminium
The HR 120 A profile is the ideal solution for unheated buildings. The bright-rolled version is the standard surface finish for this profile. The profile exterior of the aluminium coil-coated surface finish features high-quality colour coating. Interior in Basalt grey, RAL 7012, if colour-coated to choose.

### HR 120 aero, aluminium
This finely perforated profile permits the entry of adequate light and air. Dust, paper and other contaminants remain outside. The bright-rolled surface finish is particularly well-suited for simple applications without requirements to appearance. The exterior of the coil-coated surface finish features a high-quality colour coating. Interior in Basalt grey, RAL 7012, if colour-coated to choose.

### Profile type

<table>
<thead>
<tr>
<th>Material</th>
<th>Decotherm S</th>
<th>HR 120 A</th>
<th>HR 120 aero</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surfaces</td>
<td>Galvanized</td>
<td>Bright-rolled</td>
<td>Bright-rolled</td>
</tr>
<tr>
<td>without colour coating</td>
<td>without protective paint</td>
<td>without protective paint</td>
<td>without protective paint</td>
</tr>
<tr>
<td>Surfaces</td>
<td>Exterior and interior</td>
<td>Colour coating to choose</td>
<td>Colour coating to choose</td>
</tr>
<tr>
<td>with colour coating</td>
<td>with identical colour coating to choose</td>
<td>Interior: Basalt grey protective paint, RAL 7012</td>
<td>Interior: Basalt grey protective paint, RAL 7012</td>
</tr>
</tbody>
</table>

### Standard colours

<table>
<thead>
<tr>
<th>RAL 9002</th>
<th>RAL 9006</th>
<th>RAL 9002</th>
<th>RAL 9006</th>
</tr>
</thead>
</table>

### Preferred colours**

- **
- —

### Special colours

- •
- —

### Profile height

- 109 mm
- 119 mm
- 119 mm

### Curtain weight

- Approx. 10.3 kg/m²
- Approx. 6.0 kg/m²
- Approx. 5.5 kg/m²

### Wind load class 2 up to a door width of

- 12000 mm
- 7500 mm
- 5500 mm

### Heat transmission EN 12428 (single profiles)

- 3.9 W/(m²·K)
- —
- —

### Ventilation cross section

- —
- —
- Approx. 30 %

### Door type

<table>
<thead>
<tr>
<th>Rolling shutter SB</th>
<th>Rolling shutter SB</th>
<th>Rolling shutter SB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolling shutter TGT</td>
<td>Rolling shutter DD</td>
<td>Rolling shutter DD</td>
</tr>
<tr>
<td>Rolling shutter DD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Windows

- •
- —

### Ventilation laths

- •
- —

---

* Differences in appearance between two doors may occur for technical reasons
** For preferred colours see page 46
***Ventilation laths HR 120 aero

- Optionally available
- Not available

All colours based on RAL.

---

All SB, TGT, DD rolling shutter curtains are supplied as standard with wind locks or pull-out protection. For further information, see page 42.
HG-V, aluminium (reinforced)
The aluminium curtain reinforced with V2A stainless steel honeycomb connections is ideal for wide openings in underground garages or multi-storey car parks where high numbers of opening / closing cycles are required.

HG-S, steel
The galvanized steel version is robust and inexpensive. The curtain is also available with colour coating to choose.

HG-L, aluminium
The elegant and space-saving aluminium version is particularly suitable for use in collective garages and shopping arcades. Grille and honeycomb connections with aluminium crossbars provide protection to exclude the possibility of reaching through.

<table>
<thead>
<tr>
<th>Curtain type</th>
<th>HG-V</th>
<th>HG-S</th>
<th>HG-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Aluminium</td>
<td>Steel</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Surfaces without colour coating</td>
<td>Bright-rolled</td>
<td>Galvanized</td>
<td>Bright-rolled</td>
</tr>
<tr>
<td>Surfaces with colour coating</td>
<td>-</td>
<td>Colour coating to choose</td>
<td>Colour coating to choose or anodised in a natural finish (E6 / EV 1)</td>
</tr>
<tr>
<td>Weight of curtain</td>
<td>Approx. 7 kg/m²</td>
<td>Approx. 14 kg/m²</td>
<td>Approx. 6.5 kg/m²</td>
</tr>
<tr>
<td>Ventilation cross section</td>
<td>Approx. 85 %</td>
<td>Approx. 85 %</td>
<td>Approx. 77 %</td>
</tr>
<tr>
<td>Door type</td>
<td>Rolling grille DD</td>
<td>Rolling grille DD</td>
<td>Rolling grille SB, TGT, DD</td>
</tr>
</tbody>
</table>
Sliding door RC 2 security combination with rolling grille HG 75 TD
The combination of the rolling grille HG 75 TD with the sliding door AD 100 combines the requirements of a convenient automated daytime entrance door and escape route as well as a secure night door. This combination meets the RC 2 requirement (tested and approved) when the door and grille are closed.

Shop door ShopRoller SR
The elegant shop door with curtain, side guide and bottom profile made of anodised aluminium E6/EV 1 fits unobtrusively into the fitting environment. Four curtain versions and tested RC 2/RC 3 curtain variants offer an individual view and break-in-resistant security.

Rolling grille RollMatic
Thanks to its compact design, the new rolling grille is the ideal solution for store entrances in tight spaces.
Wind lock and break-in resistance
For a sturdy and safe operation
Wind locks and pull-out protection

All rolling shutter and rolling grille curtains for door types SB, TGT and DD are supplied as standard with wind lock or pull-out protection. These prevent the curtain from being pushed out of the side guides by wind loads or burglars.

Shootbolt for rolling shutter / rolling grille SB

The shootbolts are fitted on the interior on the right and left end of the bottom profile (not suitable for external rolling shutters).

Shootbolt for rolling shutter / rolling grille DD

The shootbolt can be fitted to the right or left of the side guide. The lock can be secured with a padlock (not suitable for external rolling shutters).

Lockable bottom profile with profile cylinder for all door types

Actuation either from the interior and exterior or only from the interior.
Side door NT 60 R
- For all rolling shutter and rolling grille curtains
- 60 mm aluminium frame construction
- As standard with all-round seals made of long-lasting, weather-resistant EPDM
- Two-part hinges, three-way adjustable
- Curtains fixed by glazing beads
- Also available with a fascia panel

Fittings
- Mortice lock with profile cylinder
- Offset lever handle set with oval rose escutcheons, made of black plastic
- On request also available as lever / knob handle sets
- Optionally available in natural finish cast aluminium, polished stainless steel or brushed stainless steel

Optional equipment
- Stainless steel push bar 38-2, brushed, 1000 mm high, outside, additionally with stainless steel lever handle set, inside
- Overhead door closer with hold-open device
- Push bar for escape door, inside (panic lock required)
- Multiple-point locking
- Window section with synthetic double pane
Steel side doors with thermal break

Multi-purpose door MZ Thermo 65
- 65-mm-thick door leaf with thermal break and PU rigid foam infill
- Aluminium block frame with thermal break and threshold with thermal break
- High thermal insulation with a U value = 0.82 W/(m²·K)
- Optionally available in a RC 2 KSI Thermo version with 42-mm-thick door leaf

For further information, see the “Steel doors” brochure
Coloured rolling shutters and rolling grilles
Create attractive accents
Matching door colours for the facade

Coloured doors are increasingly used as design elements in modern industrial and commercial architecture. Due to their size alone, industrial rolling shutters and rolling grilles already play a key role in determining the visual appearance of the facade. This is why Hörmann offers you high-quality curtain coatings in more than 1000 RAL colours.

High-grade colour coating

Coil-coated rolling shutter laths provide long-term protection against adverse weather effects for surface finishes. Additional protective paint with polyamide particles reduces abrasion and noise.

All curtain and door types feature a bright-rolled bottom profile.

Special colours according to RAL

The colours shown are subject to the limitations of the printing process and cannot be regarded as binding.

All colours based on RAL. Slight colour variations are permissible.

---

High-quality colour coating for a long-lasting and beautiful door appearance

---

Standard colours

<table>
<thead>
<tr>
<th>Colour</th>
<th>RAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grey white</td>
<td>9002</td>
</tr>
<tr>
<td>White aluminium*</td>
<td>9006</td>
</tr>
</tbody>
</table>

Preferred colours**

<table>
<thead>
<tr>
<th>Colour</th>
<th>RAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic white***</td>
<td>9016</td>
</tr>
<tr>
<td>Grey aluminium</td>
<td>9007</td>
</tr>
<tr>
<td>Terra brown</td>
<td>8028</td>
</tr>
<tr>
<td>Anthracite grey</td>
<td>7016</td>
</tr>
<tr>
<td>Moss green</td>
<td>6005</td>
</tr>
<tr>
<td>Gentian blue</td>
<td>5010</td>
</tr>
<tr>
<td>Flame red</td>
<td>3000</td>
</tr>
<tr>
<td>Grey white RAL 9002</td>
<td></td>
</tr>
<tr>
<td>White aluminium* RAL 9006</td>
<td></td>
</tr>
</tbody>
</table>

---

* Not for HR 116
** Not for HR 120 aero and HR 116
*** For Decoherm S
Rolling shutters and rolling grilles
At Hörmann, security is certified for:

Safety features in accordance with European standard 13241-1
Hörmann products are tested and certified for:

- Anti-fall safeguard
- Trap protection
- Trap guard

Hörmann rolling shutters and rolling grilles work safely during all opening and closing phases – whether manually-operated or power-driven. In doors with an impulse control, the specified dynamic closing forces are reliably maintained through monitoring systems with an integrated self-test function.

At Hörmann, the door and operator are perfectly matched to each other, tested by independent organisations for your safety and in compliance with the relevant standards.

It pays to compare!

Rolling grilles in public, easily accessible areas

Special safety equipment is required in areas frequented by children, who may hang on the rolling grille.

Lintel trap guards always need to be fitted on rolling grilles DD with impulse control.

With rolling grille TGT with operators WA 300 R S4 and WA 300 AR S4, the safety requirements according to DIN 13241-1 are fulfilled by the standard power limit in the “Open” direction.

Performance characteristics according to European standard 13241-1
Hörmann products are tested and certified for:

- Thermal insulation
- Acoustic insulation
- Sealing
- Wind load
Compatible system solutions
For high functional door safety

**Better with a system**

This means the components have been optimally adjusted to work together, ensuring the door's functional safety.

The uniform operating concept of the control components and the 7-segment display facilitate everyday use. Fitting is also simplified thanks to uniform housing and cable sets. This way, all Hörmann products work together optimally and efficiently:

- Industrial doors
- Loading technology
- Operators
- Controls
- Accessories
## Controls
### Compatible system solutions

<table>
<thead>
<tr>
<th>Door type / operators</th>
<th>Internal control WA 250 R S4</th>
<th>Internal control WA 300 R S4</th>
<th>External control 300</th>
<th>External control 360</th>
<th>Impulse control 445 R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolling shutter / rolling grille SB with WA 250 R S4</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Rolling shutter / rolling grille SB / TGT with WA 300 R S4</td>
<td>–</td>
<td>●</td>
<td>–</td>
<td>○</td>
<td>–</td>
</tr>
<tr>
<td>Rolling shutter / rolling grille SB / TGT with WA 300 AR S4</td>
<td>–</td>
<td>–</td>
<td>●</td>
<td>○</td>
<td>–</td>
</tr>
<tr>
<td>Rolling shutter / rolling grille DD with direct drive operator</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>●</td>
</tr>
<tr>
<td>Rolling shutter DD with accessory package S6</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### Functions / features

| Control and operator can be mounted separately | – | – | ● | ● | ● |
| Adjustments made conveniently directly on the control | – | – | ● | ● | ● |
| Soft start and soft stop for quiet door travel | ● | ● | ● | – | – |
| Power limit in “Open” / “Close” directions ⁴ | – | ● | ● | ● | – |
| Second opening height with additional button on the housing cover | – | ○ ² | ○ ² | ● | – |
| Status and error display via LED | ● | ● | ● | – | – |
| Menu reading from outside with an integrated double 7-segment display (maintenance, cycle and operating hours counter as well as error analysis) | – | – | – | ● | ● |
| Collective malfunction signaling with on-site individual display (acoustic, visual, or e.g. via mobile phone) | – | – | – | ○ | ○ |
| Extension possible with external radio receiver | – | ● | ● | ● | ● |
| Automatic timer ¹ | – | ● | ● | ● | – |
| Traffic control ³ | – | ● | ● | ● | – |
| Integrated connecting terminals for additional command units | – | ● | ● | ● | ● |
| Function lock via miniature lock | ○ | ○ | ● | ● | ● |
| Standard accessory DTH-R push button | ● | ● | – | – | – |

### Power supply

<table>
<thead>
<tr>
<th>230 V</th>
<th>230 V</th>
<th>230 V</th>
<th>230 V</th>
<th>400 / 230 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main switch integrated into control housing</td>
<td>○ ¹</td>
<td>○ ¹</td>
<td>○ ¹</td>
<td>○ ¹</td>
</tr>
<tr>
<td>Protection category IP 65 (jet-water protected) for control and door leaf components</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- ● As standard
- ○ With corresponding equipment possibly with additional control
- – Not available

¹ Only in combination with an activating kit for warning light and photocell or light grille
² Possible in combination with UAP1-300 and DTH I or DTH IM
³ In combination with push button control 300 U
⁴ In the “Close” direction, the power limit is only possible in the indicated curtain variants and size ranges
⁵ See “Impulse operation without closing edge safety device”, see page 17
⁶ Convertible to profile half cylinder
### Comfort control
460 R

### FU control
B 971 R S6

---

#### Optional: Profile half cylinder
For all external controls (except control 300)

#### Optional: Main switch
For all external controls

---

#### Combination control 420 Si / 420 Ti
This solution combines door operation with operator WA 300 R S4 / WA 300 AR S4 with a standard dock leveller control in a housing.

The advantages:
- Easy to fit
- Inexpensive
- Compact
- Suitable for hinged lip (420 Si) and telescopic lip dock levellers (420 Ti)
- Optionally: Integration of “Open” limit switch reporting for dock leveller release

---

#### Optionally: Key switch post STI 1
For fitting a maximum of 2 controls with additional housing, colour: White aluminium, RAL 9006, dimensions: 200 × 60 mm, height: 1660 mm

---

#### Radio transmission unit
Optional equipment for transmission of signals from the door curtain to the control via Bluetooth – instead of a coiled cable. Power supply via a high-performance battery. For controls: 445 R / 460 R
Hörmann BiSecur (BS)
The modern radio system for industrial door operators

The bi-directional radio system BiSecur is based on future-oriented technology for the convenient and secure operation of industrial doors. The extremely secure BiSecur encryption protocol makes sure that no-one can copy your radio signal. It was tested and certified by security experts at Bochum university.

Your advantages
- 128-bit encryption with the same high security level as online banking
- Interference-resistant radio signal with a stable range
- Convenient inquiry of the door position*
- Backwards compatible, i.e. radio receivers with the frequency 868 MHz (2005 to June 2012) can also be operated with BiSecur control elements.

52
<table>
<thead>
<tr>
<th>Device Type</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial hand transmitter</td>
<td>HSI BS</td>
<td>To control up to 6 doors (HSI 6 BS) or 15 doors (HSI 15 BS), with extra-large buttons for easier operation with work gloves, impact-resistant housing. Protection category: IP 65.</td>
</tr>
<tr>
<td>Radio code switch</td>
<td>FCT 3 BS</td>
<td>With illuminated buttons. 3 function codes.</td>
</tr>
<tr>
<td>Radio code switch</td>
<td>FCT 10 BS</td>
<td>With illuminated buttons and protective cover. 10 function codes.</td>
</tr>
<tr>
<td>Radio code switch</td>
<td>FCT 3 BS</td>
<td>With illuminated buttons. 3 function codes.</td>
</tr>
<tr>
<td>Radio finger-scan</td>
<td>FFL 12 BS</td>
<td>2 function codes and up to 12 fingerprints.</td>
</tr>
<tr>
<td>Bi-directional receiver</td>
<td>ESEI BS</td>
<td>For querying the door position.</td>
</tr>
<tr>
<td>1-channel relay receiver</td>
<td>HER 1 BS</td>
<td>With volt-free relay output with status query.</td>
</tr>
<tr>
<td>2-channel relay receiver</td>
<td>HER 2 BS</td>
<td>With 2 volt-free relay outputs with status query and external antenna.</td>
</tr>
<tr>
<td>2-channel relay receiver</td>
<td>HER 4 BS</td>
<td>With 4 volt-free relay outputs with status query.</td>
</tr>
<tr>
<td>3-channel receiver</td>
<td>HEI 3 BS</td>
<td>For controlling 3 functions.</td>
</tr>
<tr>
<td>4-channel relay receiver</td>
<td>HER 4 BS</td>
<td>With 4 volt-free relay outputs with status query.</td>
</tr>
<tr>
<td>2-channel relay receiver</td>
<td>HER 2 BS</td>
<td>With 2 volt-free relay outputs for choosing the direction, a 2-pin input for volt-free “Open” and “Close” limit switch reporting (for querying the door position).</td>
</tr>
<tr>
<td>Bi-directional receiver</td>
<td>ESEI BS</td>
<td>For querying the door position.</td>
</tr>
</tbody>
</table>
### Accessories

#### Push buttons

<table>
<thead>
<tr>
<th>Push button</th>
<th>Description</th>
<th>Dimensions</th>
<th>Controls</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTH R</td>
<td>For separate control of both operational directions, with separate stop button, protection category: IP 65, dimensions: 90 × 160 × 55 mm (W × H × D)</td>
<td>90 × 160 × 55 mm (W × H × D)</td>
<td>300, 360, 445 R, 460 R</td>
<td>WA 250 R S4, WA 300 R S4</td>
</tr>
<tr>
<td>DTH RM</td>
<td>For separate control of both operational directions, with separate stop button, with miniature lock: operator control is deactivated. (2 keys included in the scope of delivery). Protection category: IP 65, dimensions: 90 × 160 × 55 mm (W × H × D)</td>
<td>90 × 160 × 55 mm (W × H × D)</td>
<td>300, 360, 445 R, 460 R</td>
<td>WA 250 R S4, WA 300 R S4</td>
</tr>
<tr>
<td>DTH I</td>
<td>To move the door into the Open / Close positions, separate stop button to stop door travel, 1/2-Open button* to open the door up to the programmed intermediate travel limit, protection category: IP 65, dimensions: 90 × 160 × 55 mm (W × H × D)</td>
<td>90 × 160 × 55 mm (W × H × D)</td>
<td>300, 360, 460 R and integrated controls</td>
<td>WA 300 R S4</td>
</tr>
<tr>
<td>DTH IM</td>
<td>To move the door into the Open / Close positions, separate stop button to stop door travel, 1/2-Open button to open the door up to the programmed intermediate travel limit, with miniature lock: operator control is deactivated. The operator can no longer be actuated (2 keys included in the scope of delivery). Protection category: IP 65, dimensions: 90 × 160 × 55 mm (W × H × D)</td>
<td>90 × 160 × 55 mm (W × H × D)</td>
<td>300, 360, 460 R and integrated controls</td>
<td>WA 300 R S4</td>
</tr>
</tbody>
</table>

* The function of the controls 300 and WA 300 R is only possible in conjunction with a UAP 1-300
### Accessories

#### Push buttons, key switches, key switch posts

<table>
<thead>
<tr>
<th>Push button DTP 02</th>
<th>Push button DTP 03</th>
<th>Emergency-off button DTN 10</th>
<th>Emergency-off button DTNG 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open or close via a command button, separate stop button and operation control light for control voltage, lockable with profile half cylinder (available as an accessory), dimensions: 77 x 235 x 70 mm (W x H x D), protection category: IP 44</td>
<td>For separate control of both operational directions, separate stop button and operation control light for control voltage, lockable with profile half cylinder (available as an accessory), dimensions: 77 x 270 x 70 mm (W x H x D), protection category: IP 44</td>
<td>To quickly immobilise the door system, push-to-lock button (mushroom button), surface-mounted, dimensions: 93 x 93 x 95 mm (W x H x D), protection category: IP 65</td>
<td>To quickly immobilise the door system, push-to-lock mushroom button, surface-mounted, dimensions: 93 x 93 x 95 mm (W x H x D), protection category: IP 65</td>
</tr>
<tr>
<td>For controls: 300, 360, 445 R, 460 R and integrated controls WA 300 R S4</td>
<td>For controls: 300, 360, 445 R, 460 R and integrated controls WA 250 R S4, WA 300 R S4</td>
<td>For controls: 300, 360, 445 R, 460 R and integrated controls WA 250 R S4, WA 300 R S4</td>
<td>For controls: 300, 360, 445 R, 460 R and integrated controls WA 250 R S4, WA 300 R S4</td>
</tr>
</tbody>
</table>

The lockable function serves to isolate the control voltage and immobilises the control units. Profile half cylinders are not included in the scope of delivery for the push buttons.

<table>
<thead>
<tr>
<th>Key switch ESU 30 with 3 keys</th>
<th>Key switch STAP 50 with 3 keys</th>
<th>Pull switch ZT 2 with cord</th>
<th>Key switch posts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed version, impulse or “Open / Close” function selectable, Dimensions of the switch box: 60 mm (d), 58 mm (D) Dimensions of the cover: 90 x 100 mm (W x H), Brickwork recess: 65 mm (d), 60 mm (D), Protection category: IP 54</td>
<td>Surface-mounted version, dimensions: 80 x 80 x 63 mm (W x H x D) Protection category: IP 54</td>
<td>Impulse transmission to open or close the door, dimensions: 60 x 90 x 55 mm (W x H x D), pull cord length: 3.2 m, protection category: IP 65</td>
<td>With a screw base for fitting to the floor, surface in White aluminium RAL 9006, 90 x 90 mm tube, also available as a set-in-concrete version</td>
</tr>
<tr>
<td>Surface-mounted version ESA 30 (not shown) dimensions: 73 x 73 x 50 mm (W x H x D)</td>
<td>(not shown) dimensions: 80 x 80 mm (W x H), protection category: IP 54</td>
<td>Cantilever arm KA1 (not shown) Extension 1680 – 3080 mm, can be used with ZT 2</td>
<td>Key switch post STN 1 To hold 1 command unit on the surface, height 1050 mm</td>
</tr>
<tr>
<td>Key switch STUP 50 with 3 keys</td>
<td>Pull switch ZT 2 with cord</td>
<td>Key switch post STN 1-1 To hold 2 command units or 1 command unit and 1 warning light, height 1200 mm</td>
<td>Key switch post STN 1-1</td>
</tr>
<tr>
<td>Recessed version, (not shown) Dimensions of the cover: 80 x 80 mm (W x H), Protection category: IP 54</td>
<td></td>
<td></td>
<td>To hold 2 command units or 1 command unit and 1 warning light, height 1200 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For command units: CTR 1b-1, CTR 3b-1, CTV 3-1, CTP 3-1, TTR 1000-1, FL 150, STUP 50, HLA 1, double LED warning lights red/green</td>
</tr>
</tbody>
</table>
## Accessories

### Code switches

**Code switch CTR 1b-1, CTR 3b-1**
- For 1 (CTR 1b-1) or 3 (CTR 3b-1) functions, with illuminated buttons
- Dimensions: 80 × 80 × 15 mm (W × H × D)

**Code switch CTV 3-1**
- For 3 functions, with particularly robust metal keypad
- Dimensions: 80 × 80 × 15 mm (W × H × D)

**Code switch CTP 3**
- For 3 functions, with illuminated lettering and touch-sensitive surface
- Dimensions: 80 × 80 × 15 mm (W × H × D)

**Decoder housing**
- For code switch CTR 1b-1, CTR 3b-1, CTV 3-1, CTP 3
- Dimensions: 140 × 130 × 50 mm (W × H × D), switching capacity: 2.5 A / 30 V DC, 500 W / 250 V AC

**Finger-scan FL 150**
- For 2 functions
- Can store up to 150 fingerprints
- Dimensions: 80 × 80 × 13 mm (W × H × D), decoder housing: 70 × 275 × 50 mm (W × H × D), switching capacity: 2.0 A / 30 V DC

**Transponder key switch TTR 1000-1**
- For 1 function, via transponder key or transponder card, up to 1000 keys or cards can be saved
- Dimensions: 80 × 80 × 15 mm (W × H × D), decoder housing: 140 × 130 × 50 mm (W × H × D), switching capacity: 2.5 A / 30 V DC, 500 W / 250 V AC
## Accessories

### Photocells, light grilles, key switch posts

#### Reflection photocell RL 50 / RL 300
Photocell with transmitter / receiver unit and reflector
The photocell is tested by the control prior to each closing cycle.
Connected via a system cable (RL 50, length 2 m) or a 2-wire cable (RL 300, length 10 m).

Dimensions: 45 × 86 × 39 mm (W × H × D),
protection category: IP 65,
reflector range up 8 m
(Standard): 30 × 60 mm (W × H),
reflector range up to 12 m (not shown): 80 mm diameter
Optional: weather protective cover (not shown), anti-fog coating

#### One-way photocell EL 51
Photocell with separate transmitter and receiver
The photocell is tested by the control prior to each closing cycle.
Connected via a system cable
Max. range 8.0 m,

Dimensions with fitting bracket:
45 × 85 × 31 mm (W × H × D),
protection category: IP 65,
optional: weather protective cover (not shown)

#### Light grille HLG-V as advance protection
The light grille additionally monitors the main closing edge of the door at a height of 2500 mm.
Fitting is possible both on the outside of the facade and in the reveal as well as to the guide rail.
Optionally, the HLG-V can also be integrated into the key switch post set STL made of weather-resistant anodised aluminium.

Max. range: max. 10 m,
protection category: IP 65,
operating temperature: −20 °C to +60 °C,
resolution: < 50 mm (under 500 mm); < 200 mm (over 500 mm),
increased security with cross-beam sensor technology,
Easy alignment possible, connecting leads included in the scope of delivery

---

Fitting in the reveal  Fitting to the guide rail  Fitting with key switch post set STL
Activating kits, LED warning lights

**Warning lights with bright, long-lasting LEDs**

---

**Multi-function circuit board to be fitted in an existing housing or optionally in a separate extension housing (shown)**
Limit switch reporting, momentary impulse, collective malfunction signaling, extension unit for controls 360, 445 R, 460 R
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65
A circuit board can be optionally mounted in the control.

---

**Digital weekly timer in a separate additional housing**
The timer can switch command units on and off via a volt-free contact. Extension unit for controls 360, 445 R, 460 R (no additional housing, for fitting in an existing housing), switching capacity: 230 V AC 2.5 A / 500 W, can be switched over to summer / winter time, Manual switching: automatic operation, switching preselection permanently ON / OFF
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Summer / winter activating kit in additional housing**
Function for full door opening and individually programmable intermediate travel limit, extension unit for controls 360, 445 R, 460 R
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Activating kit for warning lights for fitting in an existing housing or optionally in a separate extension housing (shown), incl. 2 yellow warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator during door travel (weekly timer, optionally for 360, 445 R, 460 R), Applications: approach warning (for 360, 445 R, 460 R), automatic timer (for 360, 460 R).
After the set hold-open phase has elapsed (0 – 480 s), the warning lights flash during the set pre-warning phase (0 – 70 s).
Traffic light dimensions: 180 × 250 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Traffic control in a separate additional housing (460 R) or for fitting in an existing housing (360) incl. 2 red / green warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator for regulating the entrance and exit (optional weekly timer).
Duration of the green phase: adjustable 0 – 480 s
Duration of the clearance phase: adjustable 0 – 70 s
Traffic light dimensions: 180 × 410 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Accessories**

---

**Activating kits, LED warning lights**

---

**Digital weekly timer in a separate additional housing**
The timer can switch command units on and off via a volt-free contact. Extension unit for controls 360, 445 R, 460 R (no additional housing, for fitting in an existing housing), switching capacity: 230 V AC 2.5 A / 500 W, can be switched over to summer / winter time, Manual switching: automatic operation, switching preselection permanently ON / OFF
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Summer / winter activating kit in additional housing**
Function for full door opening and individually programmable intermediate travel limit, extension unit for controls 360, 445 R, 460 R
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Activating kit for warning lights for fitting in an existing housing or optionally in a separate extension housing (shown), incl. 2 yellow warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator during door travel (weekly timer, optionally for 360, 445 R, 460 R), Applications: approach warning (for 360, 445 R, 460 R), automatic timer (for 360, 460 R).
After the set hold-open phase has elapsed (0 – 480 s), the warning lights flash during the set pre-warning phase (0 – 70 s).
Traffic light dimensions: 180 × 250 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Traffic control in a separate additional housing (460 R) or for fitting in an existing housing (360) incl. 2 red / green warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator for regulating the entrance and exit (optional weekly timer).
Duration of the green phase: adjustable 0 – 480 s
Duration of the clearance phase: adjustable 0 – 70 s
Traffic light dimensions: 180 × 410 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Accessories**

---

**Activating kits, LED warning lights**

---

**Digital weekly timer in a separate additional housing**
The timer can switch command units on and off via a volt-free contact. Extension unit for controls 360, 445 R, 460 R (no additional housing, for fitting in an existing housing), switching capacity: 230 V AC 2.5 A / 500 W, can be switched over to summer / winter time, Manual switching: automatic operation, switching preselection permanently ON / OFF
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Summer / winter activating kit in additional housing**
Function for full door opening and individually programmable intermediate travel limit, extension unit for controls 360, 445 R, 460 R
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), protection category: IP 65

---

**Activating kit for warning lights for fitting in an existing housing or optionally in a separate extension housing (shown), incl. 2 yellow warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator during door travel (weekly timer, optionally for 360, 445 R, 460 R), Applications: approach warning (for 360, 445 R, 460 R), automatic timer (for 360, 460 R).
After the set hold-open phase has elapsed (0 – 480 s), the warning lights flash during the set pre-warning phase (0 – 70 s).
Traffic light dimensions: 180 × 250 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Traffic control in a separate additional housing (460 R) or for fitting in an existing housing (360) incl. 2 red / green warning lights**
Extension unit for controls 360, 445 R, 460 R.
The activating kit for warning lights serves as a visual indicator for regulating the entrance and exit (optional weekly timer).
Duration of the green phase: adjustable 0 – 480 s
Duration of the clearance phase: adjustable 0 – 70 s
Traffic light dimensions: 180 × 410 × 290 mm (W × H × D), dimensions of additional housing: 202 × 164 × 130 mm (W × H × D), contact load: 250 V AC: 2.5 A / 500 W, protection category: IP 65

---

**Accessories**

---

**Activating kits, LED warning lights**
**UAP 1-300**
For WA 300 R S4 or control 300
For impulse selection, partial opening function, limit switch reporting and activating kit for warning light with 2 m system cable, protection category: IP 65
Max. switching capacity:
- 30 V DC / 2.5 A (resistivity),
- 250 V AC / 500 W (resistivity),
dimensions:
- 150 × 70 × 52 mm (W × H × D)

**HOR 1-300**
For WA 250 R S4, WA 300 R S4 or control 300
To control limit switch reporting or warning lights with 2 m connecting lead, protection category: IP 44
Max. switching capacity:
- 30 V DC / 2.5 A (resistivity),
- 250 V AC / 500 W (resistivity),
dimensions:
- 110 × 45 × 40 mm (W × H × D)

Also optionally available for integration into the push button control 300 U (not shown)

---

**DI 1 induction loop in a separate additional housing**
Suitable for one induction loop. The detector has a normally open contact and a change-over contact.

**DI 2 induction loop** (not shown) in a separate additional housing, suitable for two separate induction loops.
The detector has two volt-free normally open contacts.
Can be set for impulse or permanent contact, directional recognition possible.
Dimensions of additional housing:
- 202 × 164 × 130 mm (W × H × D),
switching capacity:
- DI 1: low voltage 2 A, 125 V A/60 W,
- DI 2: 250 V AC, 4 A, 1000 VA (resistive load AC),
supplied without loop cable

Loop cable for induction loop
Roll of 50 m,
cable designation: SIAF,
cross-section: 1.5 mm²,
colour: brown

**Radar movement detector RBM 2**
For “Open door” impulse with directional recognition
Max. fitting height: 6 m
Dimensions:
- 155 × 132 × 58 mm (W × H × D),
contact load:
- 24 AC/DC , 1 A (resistivity),
protection category: IP 65

Optional remote control for radar movement detector
### Performance characteristics

<table>
<thead>
<tr>
<th>Performance characteristic</th>
<th>Rolling shutter SB</th>
<th>Rolling grille SB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Decotherm</td>
<td>HR 120</td>
</tr>
<tr>
<td>Wind load EN 12424</td>
<td>S</td>
<td>A</td>
</tr>
<tr>
<td>Class 2 up to door width in mm</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Higher wind loads on request</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Wind lock</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Water tightness EN 12425</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Thermal insulation</td>
<td>Appendix B EN 12428 Individual door section (U = W/(m²·K))</td>
<td>3,9</td>
</tr>
<tr>
<td>Shutter 4 × 4 m, fitted (U = W/(m²·K))</td>
<td>4,1</td>
<td>–</td>
</tr>
<tr>
<td>Acoustic rating</td>
<td>Shutter 3.5 × 2 m, fitted (R_W = dB)</td>
<td>18</td>
</tr>
<tr>
<td>Door sizes</td>
<td>Max. width mm</td>
<td>5000</td>
</tr>
<tr>
<td>Max. height mm</td>
<td>4500</td>
<td>4500</td>
</tr>
<tr>
<td>Space requirements</td>
<td>See the technical manual</td>
<td></td>
</tr>
<tr>
<td>Curtain material</td>
<td>Single-skinned steel</td>
<td>–</td>
</tr>
<tr>
<td>Double-skinned steel</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>Single-skinned aluminium</td>
<td>–</td>
<td>●</td>
</tr>
<tr>
<td>Double-skinned aluminium</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Curtain surface</td>
<td>Galvanized steel</td>
<td>●</td>
</tr>
<tr>
<td>Galvanized steel coated in RAL 9002</td>
<td>○</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel coated in RAL 9006</td>
<td>○</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel coated in RAL to choose</td>
<td>○</td>
<td>–</td>
</tr>
<tr>
<td>Bright-rolled aluminium</td>
<td>–</td>
<td>●</td>
</tr>
<tr>
<td>Stucco-textured aluminium</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Aluminium coated in RAL 9002</td>
<td>–</td>
<td>○</td>
</tr>
<tr>
<td>Aluminium coated in RAL 9006</td>
<td>–</td>
<td>○</td>
</tr>
<tr>
<td>Aluminium coated in RAL to choose</td>
<td>–</td>
<td>○</td>
</tr>
<tr>
<td>Anodised aluminium E6 / EV 1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Mill-finished aluminium</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Weight of curtain</td>
<td>approx. kg/m²</td>
<td>10,3</td>
</tr>
<tr>
<td>Side door</td>
<td>matching the door</td>
<td>○</td>
</tr>
<tr>
<td>Glazing</td>
<td>Standard arrangement</td>
<td>○</td>
</tr>
<tr>
<td>Logistics arrangement</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Seals</td>
<td>All-round on 4 sides</td>
<td>○</td>
</tr>
<tr>
<td>Break-in resistance</td>
<td>WK 2 DIN V ENV 1627:1999</td>
<td>–</td>
</tr>
<tr>
<td>Pull-out protection</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Internal locking</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Internal / external locking</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Security equipment</td>
<td>Finger trap protection</td>
<td>●</td>
</tr>
<tr>
<td>Side trap guard</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Safety catch</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Fastening options</td>
<td>Concrete</td>
<td>●</td>
</tr>
<tr>
<td>Steel</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Brickwork</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Timber</td>
<td>●</td>
<td>–</td>
</tr>
</tbody>
</table>

- RAL 9016, RAL 7035, RAL 9006, RAL 5011, RAL 8028, RAL 7016, RAL 9005
- Shutter 4 × 2.4 m, fitted
<table>
<thead>
<tr>
<th>Rolling shutter / rolling grille TGT</th>
<th>Decotherm</th>
<th>HG-L</th>
<th>Decotherm</th>
<th>Rolling shutter DD</th>
<th>HR 120</th>
<th>Rolling grille DD</th>
<th>hg-v</th>
<th>hg-s</th>
<th>hg-l</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>S</td>
<td>A</td>
<td>aero</td>
<td>S</td>
<td>12000</td>
<td>7500</td>
<td>4500</td>
<td>4500</td>
<td>3900</td>
</tr>
<tr>
<td>5000</td>
<td>–</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3,9</td>
<td>–</td>
<td>3,9</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>4,2**</td>
<td>–</td>
<td>4,1</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>18</td>
<td>–</td>
<td>18</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>5000</td>
<td>6000</td>
<td>12000</td>
<td>12000</td>
<td>12000</td>
<td>12000</td>
<td>12000</td>
<td>9000</td>
<td>5500</td>
<td></td>
</tr>
<tr>
<td>2400</td>
<td>2400</td>
<td>9000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>5500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curtain material</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-skinned steel</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Double-skinned steel</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Single-skinned aluminium</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Double-skinned aluminium</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Curtain surface</td>
<td>●</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel</td>
<td>●</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel coated in RAL 9002</td>
<td>○</td>
<td>–</td>
<td>○</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel coated in RAL 9006</td>
<td>○</td>
<td>–</td>
<td>○</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Galvanized steel coated to choose</td>
<td>○</td>
<td>–</td>
<td>○</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Bright-rolled aluminium</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Stucco-textured aluminium</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Aluminium coated in RAL 9002</td>
<td>–</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Aluminium coated in RAL 9006</td>
<td>–</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Aluminium coated to choose</td>
<td>–</td>
<td>○</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Anodised aluminium</td>
<td>E6 / EV 1</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Mill-finished aluminium</td>
<td>–</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

| Weight of curtain approx. kg/m²   |            |      |           |                  |        |                  |      |      |      |
| 10,3                              | 6,5        | 10,3 | 6,0       | 5,5              | 7,5    | 15               | 6,5  |      |      |
| 6,5                               | –          | –    | –         | –                | –      | –                | –    | –    | –    |
| 5,5                               | –          | –    | –         | –                | –      | –                | –    | –    | –    |
| 7,5                               | –          | –    | –         | –                | –      | –                | –    | –    | –    |
| 15                                | –          | –    | –         | –                | –      | –                | –    | –    | –    |
| 6,5                               | –          | –    | –         | –                | –      | –                | –    | –    | –    |

| Security equipment                |            |      |           |                  |        |                  |      |      |      |
| Finger trap protection            |●            | –    | ●         | ●                | –      | –                | –    | –    | –    |
| Side trap guard                   |○            | ○    | ○         | ○                | –      | –                | –    | –    | –    |
| Safety catch                      |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
| Pull-out protection               |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
| Internal locking                  |○            | ○    | ○         | ○                | –      | –                | –    | –    | –    |
| Internal / external locking       |○            | ○    | ○         | ○                | –      | –                | –    | –    | –    |

| Fastening options                |            |      |           |                  |        |                  |      |      |      |
| Concrete                          |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
| Steel                             |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
| Brickwork                         |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
| Timber                            |●            | ●    | ●         | ●                | –      | –                | –    | –    | –    |
Quick service with testing, maintenance and repairs.

Our extensive service network means that we are always nearby and at your service around the clock.

Hörmann Product Range
Everything from a single source for your construction project.

- Sectional doors
- Rolling shutters and rolling grilles
- High-speed doors
- Loading technology
- Steel and stainless steel sliding doors
- Steel and stainless steel construction project doors
- Steel frames with high-quality timber function doors from Schörghuber
- Tubular frame construction project doors
- Automatic sliding doors
- Visibility window
- Collective garage doors
- Bollards and road blockers
- Barrier and pay station systems
Quick service with testing, maintenance and repairs

Our extensive service network means that we are always nearby and at your service around the clock.

Sectional doors

Rolling shutters and rolling grilles

High-speed doors

Loading technology

Steel and stainless steel sliding doors

Steel and stainless steel construction project doors

Steel frames with high-quality timber function doors from Schörghuber

Tubular frame construction project doors

Automatic sliding doors

Visibility window

Collective garage doors

Bollards and road blockers

Barrier and pay station systems
Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We manufacture in highly-specialised factories using the latest production technologies. The close-meshed network of sales and service companies throughout Europe, and activities in the USA and Asia, make Hörmann your strong partner for first-class building products, offering “Quality without Compromise”.

Hörmann KG Amshausen, Germany
Hörmann KG Antriebstechnik, Germany
Hörmann KG Brandis, Germany
Hörmann KG Brockhagen, Germany

Hörmann KG Dissen, Germany
Hörmann KG Eckelhausen, Germany
Hörmann KG Freisen, Germany
Hörmann KG Ichtershausen, Germany

Hörmann KG Werne, Germany
Hörmann Alkmaar B.V., Netherlands
Hörmann Legnica Sp. z o.o., Poland
Hörmann Beijing, China

Hörmann Tianjin, China
Hörmann LLC, Montgomery IL, USA
Hörmann Flexon LLC, Burgettstown PA, USA
Shakti Hörmann Pvt. Ltd., India

HÖRMANN

GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES