Hörmann Steel Rolling Shutter DD
Innovative technology for heavy-duty applications

Made in Germany
Finest quality rolling shutter construction through know-how and competence

Hörmann has decisively improved its rolling shutters with the Decotherm profile. A combination of a thoroughly optimised profile geometry with a special steel alloy shows what is possible today in rolling shutter construction. All the essential shutter components, such as profiles, side guides, support brackets, fittings, and control technology are developed and produced by Hörmann - not bought in from here, there and everywhere. All the structural components and equipment for each shutter are calculated on a job-oriented basis.

At Hörmann, quality has a system!
Decotherm DD
Innovative profile technology
The concave interior and exterior surfaces of the Decotherm profiles ensure extremely good roll-up action. The inner profile face is identical to the microprofiled outer face; an attractive design that only Hörmann offers. Optimally designed hinges reduce heat loss and enable a connection between the curtain and barrel, without the usual pressure and wear marks.

Surface protection with a system for a permanently good appearance
All Decotherm profiles are coated with a protective paint, which makes them resistant to adverse weather effects. Polyamide particles embedded in the colour coating improve the sliding characteristics of the profiles and thus effectively reduce abrasion and noise.

Warehouses
Low siderooms and lintel fitting coupled with the flexible operator fitting allow for installation even in tight spaces.
Proven technology
Thanks to innovations and continuous further developments, rolling shutter construction at Hörmann has been ahead of its time for years. The performance criteria to the European Standard have been integrated into these developments with convincing results. It’s worthwhile making a comparison!

Narrow aluminium side guide
The side guides require a sideroom of only 80 mm for all door sizes 1. 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 2 form an elegant unit with side guides. The optional steel bracket fastening 3 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 4 reduces wear of the door curtain. In case of maintenance, the metal holder can be replaced in a very 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: www.hoermann.ae/videos

Stability
Wind lock end pieces, strong shutter profiles and bend-resistant bottom profiles ensure that the roller shutter resists windloads up to class 2.

Sealing
The rolling shutters have bristle seals down the side guides and an optional lintel seal is available. The flexible lip seal along the bottom edge adjusts to floor irregularities.

Thermal insulation
A combination of minimizing thermal bridges and use of fine-pored polyurethane rigid foam infill ensures good thermal insulation.

Acoustic rated
The curtain as well as the sealing techniques used around the entire shutter help to reduce noise from both outside and inside.
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 6000 x 5000 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
  - Towards bottom
  - Horizontal
  - 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
Window elements
In order to use the daylight, you may want to fit window elements. Our double-skinned window elements are made of transparent, impact-resistant polycarbonate with high-quality frames (similar to RAL 9006), covering the polyurethane foam and reducing noise and abrasion.
A perfect concept ensures maximum utility
Hörmann rolling shutters are a practice-orientated, cost-effective concept, geared to a diverse range of operating sequences and a long, reliable service life. All of our operators and controls are installation friendly, ready-to-plug-in individual components.

Specifications and options

Material
Double-skinned steel with polyurethane core

Surface finish
Galvanized with transparent protective paint, optionally available in RAL 9002 grey white

Profile height
109 mm

Profile thickness
20 mm

Curtain weight
Approx. 10 kg /m²

Door width
2250 – 6000 mm

Door height
2250 – 5000 mm

Wind load class 2 up to a door width of 6000 mm

Heat transmission
EN 12428 (single profiles) 3.9 W/(m²·K)

Windows
Available

Operator
Direct drive with integral safety device

Comfort control
460 R (400 V)

Additional features:
- Second opening height with additional button on the housing cover
- Automatic timer

Direct drive operator
Hörmann rolling shutters come with a direct drive operator that is equipped with an integral safety device.

Controls and operators

Impulse control 445 R (400 V)

- Control and operator can be mounted separately
- Control and door leaf components in protection class IP 65 (hose water protected), connection with a CEE phase-changer plug corresponds to protection class IP 44
- External menu readout via an integral double 7-segment display, so there’s no need to remove the housing cover
- Adjustments are no longer made at the motor but can be conveniently carried out from the control unit via digital limit switches
- Service menu with maintenance, cycles and operating hours counter as well as fault/error analysis
- Collective malfunction signalling with on-site individual display (acoustic, optical or, for example, via mobile phone)
- Function blocking via miniature lock (can be converted to profile half-cylinder)

Comfort control 460 R (400 V)

Additional features:
- Second opening height with additional button on the housing cover
- Automatic timer

Operating and control options

Pull switch
Push-buttons palm switch/mushroom push-button
Induction loops
Radar movement detector, Infrared movement and presence detector
Radio remote controls
Signal light, beacon, flashing light

Please refer to our main brochure for further door options and the full range of rolling shutters.
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
Perimeter Protection Systems
Barrier and pay station systems
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Hörmann: 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 Ltd., India

Hörmann Middle East & Africa FZE, Dubai, UAE

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