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

Made in Germany, 1 week delivery within the UAE
Hörmann rolling shutters are engineered in Germany, and assembled in the UAE. It goes without saying that spare parts for shutters, operators and controls are original Hörmann parts that come with a guaranteed availability of 10 years.

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 DRU
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.

»Full hard« steel
The »full hard« steel in Decotherm profiles increases deflection resistance by three times and raises flexural strength by 10% when compared to profiles made of standard materials. This makes the door especially resistant to damage and stable under high wind loads.

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.
Proven technology
DRU
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!

**Support bracket**
Made of galvanized sheet steel, reduces the required sideroom on the bearing and operator side.

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

**The belt system**
In a special fibrous fabric, connects the shutter curtain to the galvanized, octagonal barrel and dispenses with shutter profiles where these are no longer needed. This is innovative rolling shutter technology!

**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.

**Steel side guides**
The robust construction in galvanized steel is mounted directly to the building structure. This saves both, space and installation time!

**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.
Window elements and ventilation grilles

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. For ventilation purposes you can choose to fit ventilation grilles, made of durable, long-lasting synthetic material.
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.

Controls and operators

Press-and-hold control 435R (400/230 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

Impulse control 445R (400/230 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)

Direct drive operator
Hörmann rolling shutters come with a direct drive operator that is equipped with an integral safety device. Depending on the door size, the operator comes as S 14, S 18 or S 25 model which are all IP 65 protected and 400 V 3-phase.

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

Specifications and options

Material
- Double-skinned steel with polyurethane core

Surface finish
- Galvanized with transparent protective paint

Profile height
- 109 mm

Profile thickness
- 20 mm

Curtain weight
- Approx. 10 kg /m²

Door width
- 2250 – 5000 mm

Door height
- 2250 – 4500 mm

Wind load class
- 2 up to a door width of 5000 mm

Heat transmission
- EN 12428 (single profiles) 3.8 W/m²K

Windows
- Available

Ventilation slots
- Available

Operator
- Direct drive with integral safety device

Control
- Press-and-hold control 435R / Impulse control 445R optional

Please refer to our main brochure for further door options and the full range of rolling shutters.
Hörmann: Quality without Compromise

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 China, make Hörmann your strong partner for first-class building products, offering “Quality without Compromise”.

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(Only within the U.A.E.)

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