



# Sectional garage doors DSU

Contemporary door design for added beauty, safety and convenience



# Benefit from numerous advantages

Sectional doors open vertically upwards and are suspended under the ceiling to save space. This construction principle means you can make full use of the space inside and in front of the garage. Sectional garage doors can be fitted in any garage opening and offer up to 14 cm more passage width than up-and-over doors. They are also optimally sealed with flexible and weather-resistant seals on all four sides.

Treat yourself to this comfort and convenience.

Some of the doors shown are equipped with optional extras and do not always correspond to the standard versions.

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

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“A good reputation must be earned.”

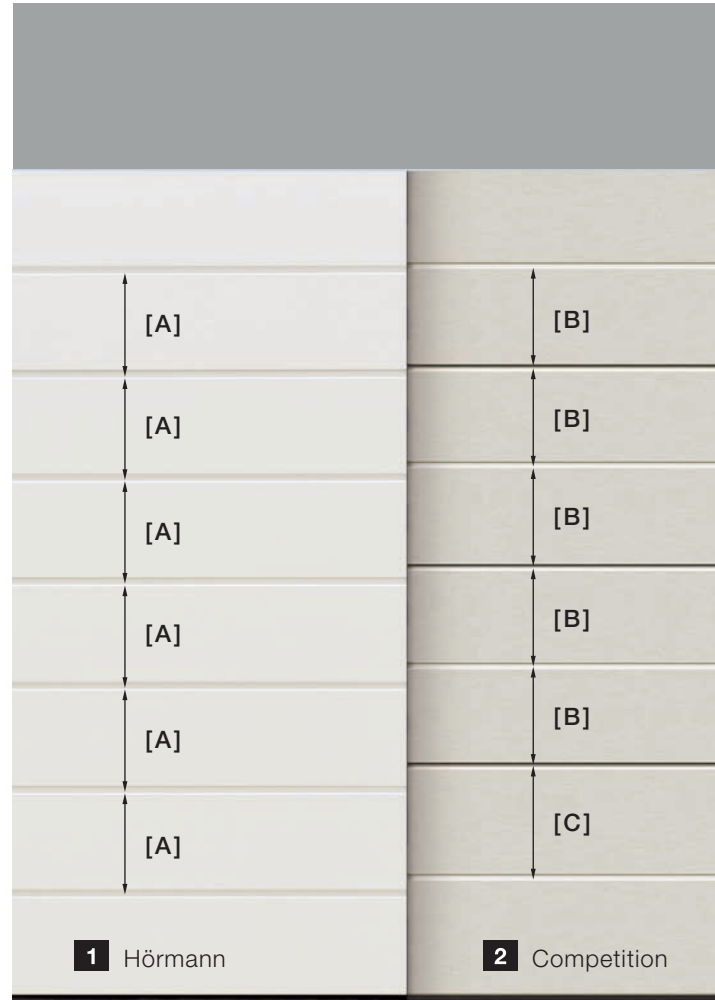
August Hörmann

In keeping with the tradition started by the company's founder, the Hörmann brand today is a true promise of quality. The family-owned company has over 80 years of experience in door and operator construction and, with sales of over 20 million doors, is no. 1 in Europe. This makes a Hörmann sectional door a reassuring purchase.



## 1 Made in Germany

All essential doors and operator components are developed and manufactured by Hörmann, are **perfectly matched to each other** and **tested and certified** by independent, recognised institutes to ensure your safety. They are manufactured in Germany according to the DIN ISO 9001 quality management system and meet the requirements of European standard 13241. Furthermore, our highly qualified employees work intensively on new products, continual further developments and improvements to details. The results are patents and unique products on the market.



## 2 Optimum long-term protection

**! Only from Hörmann**

A non-brittle, 4 cm **plastic frame shoe** covers the frame where it is prone to rusting and offers **long-term protection against corrosion**, even with waterlogging, which is unmatched by competitor solutions. Together with the door's bottom seal, the frame shoe makes for a bottom edge that is visually appealing.

## 3 A harmonious overall appearance

**! Only from Hörmann** in all door sizes

- 1 Even spacing and invisible section transitions for ribbed doors**  
Hörmann garage doors are distinguished by even, exact spacing of sections [A]. The sections are shaped so that the transitions are practically invisible when the door is closed. See for yourself!
- 2 Irregular spacing of sections [B], [C]** due to different section heights coupled with visible section transitions on competitor doors. This gives the door an uneven look.





## 4 Certified safety

 Only from Hörmann  BiSecur

The bi-directional BiSecur radio system is based on **future-oriented technology** for the convenient and secure operation of garage and entrance gate operators, door operators, lights and more. This extremely secure BiSecur encryption protocol, developed by Hörmann, with a stable, interference-free range makes sure that no one can copy your radio signal. It was tested and certified by security experts at Bochum university and independent test institutes.



Watch the video "BiSecur – the radio system with certified safety" at: [www.hoermann.com/videos](http://www.hoermann.com/videos)

## 5 Perfectly aligned

**All BiSecur operators, receivers and control elements are 100% compatible.** By simply pressing the button on your hand transmitter or radio switch, you can operate your garage door and entrance gate as well as entrance door locks, door operators or other devices with BiSecur receivers. The BiSecur control elements are suitable for the operation of all Hörmann operators with a radio frequency of 868 MHz (year of manufacture 2003 – 06/2012) / (querying the door position is not possible). **The standard HCP interface\* in every Hörmann operator provides you with even more options.** It makes it easy to network all Hörmann garage and entrance gate operators with external Smart Home systems.

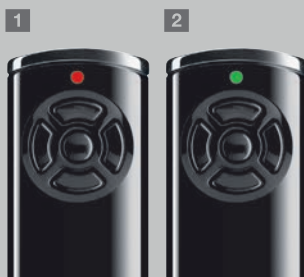
\* HCP = Hörmann Communication Protocol



## 6 Convenient door query

**You no longer have to go out in any wind and weather** to check if your door is closed. At the press of a button, the colour of the LED on the hand transmitter HS 5 BS or the internal push button FIT 5 BS indicates the position of the door. If required, another push of a button\* closes the door. It is the most convenient and secure way to control your door.

\* An additional photocell is required for operation without visual contact to the door.

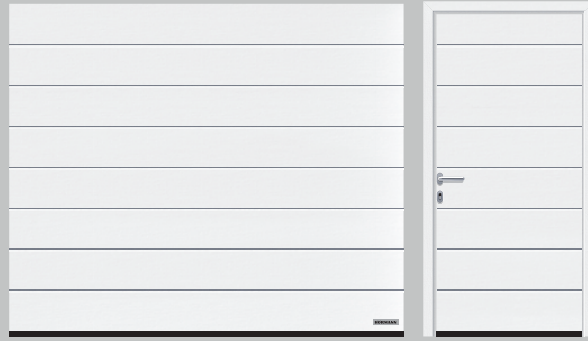


Display on hand transmitter HS 5 BS

- 1 Door is opened
- 2 Door is closed

# DSU

The double-skinned DSU door offers very good insulation with its 42 mm thick sections and is available with optional RC 2 security equipment.



M-ribbed, Traffic white RAL 9016



L-ribbed, Traffic white RAL 9016



	M-ribbed	L-ribbed
Woodgrain	Traffic white RAL 9016 15 preferred colours RAL to choose	Traffic white RAL 9016 15 preferred colours RAL to choose
Silkgrain	Traffic white RAL 9016 15 preferred colours RAL to choose	Traffic white RAL 9016 15 preferred colours RAL to choose
Max. width	6000 mm	6000 mm
Max. height	3000 mm	3000 mm





▲ L-ribbed in Silkgrain Light grey RAL 7035



▲ M-ribbed in Woodgrain Traffic white RAL 9016





# It's your choice

The Woodgrain and Silkgrain surface finishes are available as standard in Traffic white as well as in 15 inexpensive preferred colours and in around 200 colours from the RAL colour chart, as well as in many NCS and DB colours.

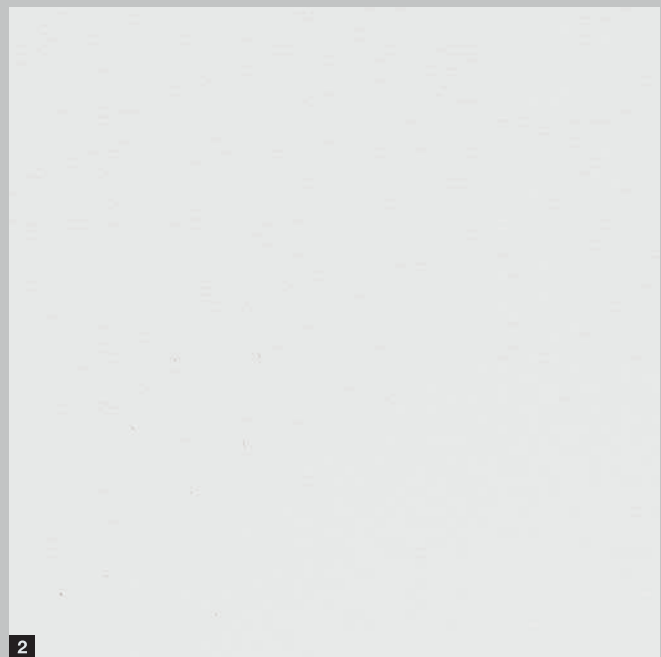
## 1 Woodgrain

On this inexpensive, robust surface with an authentic sawn timber look, minor scratches can be easily repaired.

## 2 Silkgrain

Thanks to its elegant door appearance, the silky smooth Silkgrain surface finish is the first choice for modern architecture. A 50% thicker exterior sheet on the sections also ensures higher stability and even smoother running.

## Standard colour



1 Woodgrain, RAL 9016 Traffic white

2 Silkgrain, RAL 9016 Traffic white

### Please note:

Sectional garage doors are generally supplied in Grey white, RAL 9002, on the inside of the door.

Dark colours should not be used for double-skinned steel doors that are exposed to the sun, as possible section deflection may damage the door.

All colours based on RAL.

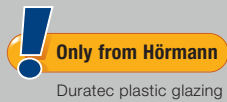
The colours and surfaces shown are subject to the limitations of the printing process and cannot be regarded as binding. Please consult with your local Hörmann specialised dealer.



## Colours to choose

Available in about 200 colours based on RAL.

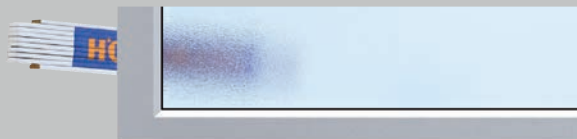
## More light, less energy consumption



Depending on the door type, you can select from various types of glazings with clear or textured panes. Clear synthetic glazing from Hörmann comes as standard with DURATEC glazing. It offers:

- Maximum scratch resistance
- A permanently clear view
- Improved thermal insulation

Your Hörmann partner would be pleased to advise you about the numerous glazing options. The glazing frames are supplied in a colour to match the decor with the Decograin surface finish.



Synthetic double pane, crystal texture



Classic glazing S0 (Individual arrangement of glazings is possible)



Classic glazing S2

Glazings correspond to a door width of 2500 mm

## Operating comfort with the highest security

Safety while operating the garage door is top priority for Hörmann. And Hörmann sets the standards for this with its innovative solutions. This has been proven time and time again through numerous Hörmann patents. Hörmann sectional doors are tested and certified in accordance with the high safety requirements of European standard 13241, not only on their own but also in combination with operators. It would be hard to find a safer sectional door. And this provides you and your family with safety during daily use.

It pays to compare!



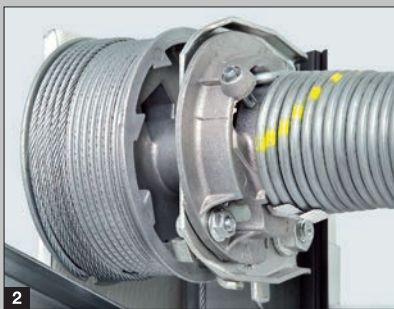




Hörmann patent

### 1 Tension spring assembly with multi-spring system

Double tension springs and cables on each side safeguard the door leaf against falling. Thanks to the patented spring-in-spring system, broken springs are prevented from flying out and causing injuries. Sectional doors up to 4000 mm wide or 2625 mm high include the proven tension spring technology as standard.



Hörmann patent

### 2 Torsion spring assembly with integrated spring safety device

Torsion springs on both sides feature a patented spring safety device. In the event of a spring breaking, they arrest the door travel immediately, thereby preventing the door leaf from falling. Larger sectional doors and doors with integrated wicket door or solid timber panels feature torsion spring technology.



Hörmann patent

### 3 Secure guidance of the door in safety tracks

Patented, adjustable rollers, sturdy roller holders and safety tracks ensure that there is no danger of the door "derailing". The door leaf is safely parked under the ceiling.



### 4 Finger trap protection on the inside, outside and on the hinges

The unique shape of the door sections eliminates trap points, both between the sections and on the hinges.



### 5 Trap guard on the side frame

With Hörmann, the frames are completely closed from top to bottom. There are no gaps between the door leaf and frame in which fingers could get trapped!



## GARAGE DOORS IN TIMBER DESIGN



▲ M-ribbed with solid timber panels in Hemlock  
(Please note a delivery time of approximately 8 - 10 weeks)



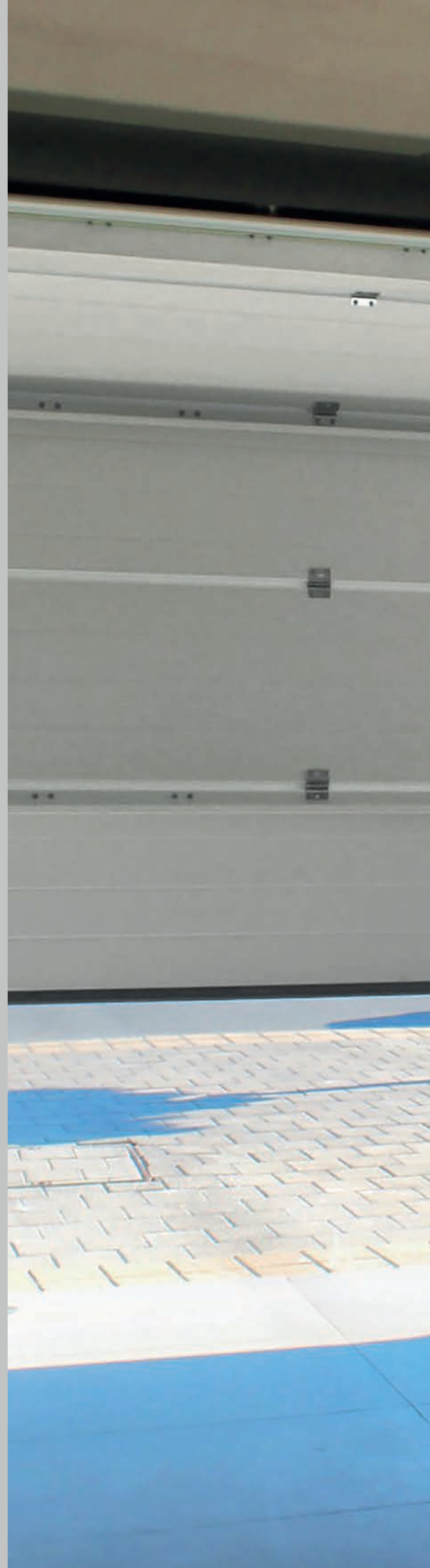




# Fast door opening, more convenience, smart functions

Hörmann garage door operators are perfectly matched to your Hörmann sectional door. The automatic safety cut-out stops the door securely and reliably if it encounters an obstacle. Your door opens and closes quietly and smoothly with the soft start and soft stop.

Our elegant hand transmitters allow you to open your gate from your car as easily as you would operate a TV. You can also operate your door using stationary control elements, such as a radio code switch or radio finger-scan.



More information can be found in the "Garage door and entrance gate operators" brochure.



# SupraMatic – the supra-fast operator with many additional functions

- As standard with one 5-button hand transmitter HS 5 BS
- Querying of the door position
- Low power consumption
- Easy to program
- 2x 7-segment display
- Separately switchable LED lighting with energy efficiency class A++
- Adjustable ventilation slot
- Automatic door locking
- Operator cover made of brushed aluminium



Standard hand transmitter HS 5 BS, textured surface black

Garage door operators	SupraMatic E	SupraMatic P
Special feature		For timber doors and doors with wicket doors
Equipment		Photocell
Cycles per day / hour	25 / 10	50 / 10
Pull and push force	650 N	750 N
Peak force	800 N	1000 N
Max. opening speed	22 cm/s	22 cm/s
Max. door width	5500 mm	6000 mm
Max. door surface	13.75 m <sup>2</sup>	15 m <sup>2</sup>



# ProMatic – the good-value starter model as an introduction to Hörmann’s premium quality

- As standard with 4-button hand transmitter HSE 4 BS
- Adjustable ventilation slot
- Automatic door locking
- LED lighting with energy efficiency class A++

# ProMatic Akku for garages without a power connection

- Standard hand transmitter and functions as with the ProMatic
- Optional solar module to recharge the battery



Standard hand transmitters HSE 4 BS, textured surface black with plastic caps



ProMatic Akku

Garage door operators	ProMatic	ProMatic Akku
Special feature		For garages without power connection
Cycles per day / hour	12 / 5	5 / 2
Pull and push force	600 N	350 N
Peak force	750 N	400 N
Max. opening speed	14 cm/s	13 cm/s
Max. door width	5000 mm	3000 mm
Max. door surface	11.25 m <sup>2</sup>	8 m <sup>2</sup>





**Hand transmitter HS 5 BS**

4 button functions, plus query button,

- 1 High-gloss surface black or white
- 2 Textured surface matt black

**Hand transmitter HS 4 BS**

4 button functions,

- 3 Textured surface matt black

**Hand transmitter HS 1 BS**

1 button function,

- 4 Textured surface matt black



**Hand transmitter HSE 1 BS**

1 button function, including eyelet for key ring

- 5 Textured surface matt black

**Hand transmitter HSE 4 BS**

4 button functions, incl. eyelet for key ring

- 6 Textured surface matt black with chrome or plastic caps



- 7 High-gloss surface with chrome caps in the colours:

Black, White, Anthracite Grey, Frozen Grey, Classic Grey, Carbon, Silver

(Shown from left)

**8 Hand transmitter HSD 2-A BS**

Aluminium look, 2 button functions, can also be used as a key ring

**9 Hand transmitter HSP 4 BS**

4 button functions, with button lock-out incl. key ring

**10 Hand transmitter HSZ 1 BS**

1 button function, for insertion in vehicle cigarette lighter





**Radio code switch FCT 3 BS**  
For 3 functions, with illuminated buttons, recessed and surface-mounted fitting possible, plastic housing in Light grey 7040 (also available with 10 functions and hinged cover, painted in White aluminium RAL 9006)



**Transponder key switch TTR 1000-1**  
For 1 function, for 1000 teachable keys, 1 key and 1 card in scope of delivery (more on request), zinc die-cast housing in White aluminium RAL 9006



**Radio finger-scan FFL 25 BS**  
For 2 functions and up to 25 fingerprints with hinged cover, recessed and surface-mounted fitting possible, plastic housing painted in White aluminium RAL 9006



**Code switch CTP 3-1**  
For 3 functions, with illuminated lettering and touch-sensitive black surface, zinc die-cast housing in White aluminium RAL 9006



**Radio internal push button FIT 5 BS**  
4 button functions plus query button, plastic housing in Pure white RAL 9010



**Code switch CTV 3-1**  
For 3 functions, particularly robust with metal keypad, zinc die-cast housing in White aluminium RAL 9006 with stainless steel panel



**Radio internal push button FIT 2-1 BS**  
For 2 functions, connection option for max. 2 control elements via cable, e.g. key switch, plastic housing in Pure white RAL 9010



**Finger-scan FL 150**  
For 2 functions, control via fingerprint, up to 150 savable fingerprints, zinc die-cast housing in White aluminium RAL 9006 with stainless steel panel



**Internal push button IT 1b-1**  
Large, illuminated button for convenient opening of the door, plastic housing in Pure white RAL 9010



**Key switch 1 STUP 50 2 STAP 50**  
In a recessed version and surface-mounted version, including 3 keys, zinc die-cast housing in White aluminium RAL 9006 with stainless steel panel

More control elements can be found in the "Garage door and entrance gate operators" brochure



## Optimum ventilation of the garage can effectively prevent mould

It is very important to ventilate the garage regularly; especially if insulated garage doors are fitted. Ventilation is achieved by folding down the top section (optional equipment) to prevent dirt, leaves or small animals from entering the garage. An additional climate sensor, which automatically regulates ventilation, is recommended for energy-efficient ventilation.





1

### Ventilation slot on the topmost section 1

The optional folding roller bracket means that you only open the top section of your door to ventilate the garage. The bottom door section remains sealed on the ground, thus offering protection against small animals or leaves. The ventilation slot is adjusted using the “ventilation” operator function on doors with an operator.

The folding roller bracket is optionally available on all sectional garage doors DSU with operator and can be retrofitted on all sectional garage doors with operator SupraMatic or ProMatic (from year of manufacture 2012).



2

### Climate sensor HKSI for automatic garage ventilation 2

The climate sensor monitors humidity in the garage and regulates the ventilation. If humidity is too high, the door is automatically opened using the “ventilation” operator function and then automatically closed again once humidity is adjusted.

For optimum operation, the temperature range in which the door does not open (e.g. if there is a risk of frost in the garage), the operating times (e.g. overnight shut-off) and opening times (e.g. max. 2 hours per ventilation) can be adjusted.



3

The optional external sensor HKSA 3 additionally measures the humidity outside and prevents the door from opening in case of high humidity levels. An on-site fan can also be installed for fast and effective ventilation.



Take a look at the video “Automatic garage ventilation” at: [www.hoermann.com/videos](http://www.hoermann.com/videos)



## Out with the old, in with the new

At some point it is simply time to modernise your garage door. Hörmann can provide you with an attractive and appropriate solution for any fitting situation. Inexpensive standard sizes, especially created for modernisation, will save you money and make it possible to install your new sectional door faster. Your Hörmann partner also provides you with a complete package of services:

- Qualified consultation
- Measurement on site
- Professional fitting
- Removal and environmentally-friendly disposal

Call **800-HORMANN** and your Hörmann partner would be pleased to advice you on-site.





HORMANN

HYGIENIC NON-CONTACT DOOR OPERATION





# Hygienic and Safe Touchless Set

## Door Operator PortaMatic <sup>1</sup>

At Hörmann, safety and convenience go hand in hand. The PortaMatic operator opens and closes your doors with **soft start and soft stop** and is **extremely quiet**. The door is moved with a minimum of force, offering you a high level of safety. Even a light touch is enough to stop the door from moving.

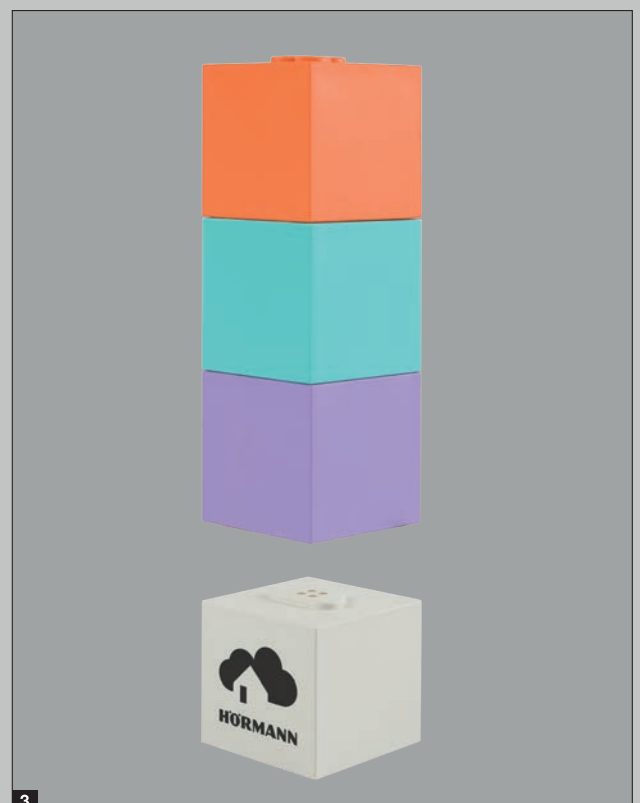
## Radio Door Lock Operator SmartKey <sup>2</sup>

Easily open your door lock at a press of a button with your hand transmitter, radio internal push button, BiSecur app on your smartphone or directly via the sensor field on the SmartKey.

No need to set down your groceries in order to open your entrance and apartment door. Even with a walker, wheelchair or pram, it is much easier to enter your house or apartment, because you can open the door from a distance. Locking takes place either by pressing a button or automatically after a specified period of time. This securely locks your door and provides protection against burglary.

## Hörmann homee <sup>3</sup>

With the Hörmann homee Brain Smart Home control centre, you can open and close your Hörmann doors and gates even more conveniently. At any time of day or night, from anywhere around the world – by simply using your smartphone, tablet or PC. In addition, the system is extremely safe, easy to use and can be extended with other compatible devices such as security cameras, weather stations, lighting, switches, heating thermostats, roller shutters and blinds, smoke and movement detectors, or window and door contacts.





# Experience Hörmann quality in new construction and modernisation

Hörmann provides an excellent basis for comprehensive planning. Carefully matched solutions offer you the very best in perfectly designed products for every area.

- **Garage doors**

Optimally match your personal architectural style: up-and-over or sectional doors made of steel or timber.

- **Gate and door operators**

Enjoy extra convenience and break-in-resistant security with Hörmann operators for garage doors and entrance gates. You can profit from the convenience of Hörmann door operators in your residential space as well.

- **Entrance doors**

Our comprehensive entrance door ranges include models that fit almost every need and requirement.

- **Residential internal doors**

Our high-quality timber and glass doors give your home an extra level of comfort and integrate harmoniously into the overall appearance of your home.

- **Steel doors**

Sturdy doors for your entire home, from basement to roof.

- **Frames**

Choose from our comprehensive range of products for new construction, expansion and modernisation.



Garage doors and entrance gate operators



Residential internal doors and door operators



Steel doors



# 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 Ichttershausen, 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

**GARAGE DOORS**  
**OPERATORS**  
**INDUSTRIAL DOORS**  
**LOADING EQUIPMENT**  
**HINGED DOORS**  
**DOOR FRAMES**

## **Hörmann Middle East and Africa FZE** Doors for Home and Industry

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