BARRIERS AND PARKING MANAGEMENT SYSTEMS

NEW. Parking management system Park NFC, number plate recognition with HCAM Basic

HÖRMANN


HÖRMANN
CAUTION

4

Good reasons to try Hörmann perimeter protection systems.

8

Hörmann barriers.

46

Hörmann parking management systems.

Brand quality
Made in Germany

The family-owned company Hörmann offers all important construction components for building and renovating projects from a single source. We manufacture in highly specialised factories using state-of-the-art production technologies. Our employees work intensively on new products, continual further developments and improvements to details. The results are patents and unique products on the market.










WE THINK AND ACT GREEN. As a family business, we are very conscious of our responsibility to future generations and will offer all products for construction projects as CO_2-neutral versions upon customer request. In this way, customers have the option to offset remaining emissions and make a contribution to climate protection when purchasing our products. The Hörmann sustainability strategy aims to reduce and avoid emissions. We cover 100% of our electrical power needs at all European production sites* with genuine green electricity from renewable sources. We also apply many other measures to reduce our consumption and save more than 75000 tonnes of CO_2 each year. We work with ClimatePartner to offset the remaining emissions by supporting certified climate protection projects.

* Except in France

You can find further information at
www.hoermann.com/sustainability

ClimatePartner certified product
climate-id.com/FYZNUF

CO_2 measure reduce contribute

Easy to fit and service

A refined concept and the high-quality workmanship of all components make installation and maintenance straightforward processes. This ensures maximum reliability and trouble-free perimeter protection.
OnlineControl-compliant Hörmann barriers can also be connected to our server-based remote maintenance access system. The remote malfunction analysis minimises repair times on location and prevents repeated deployment.

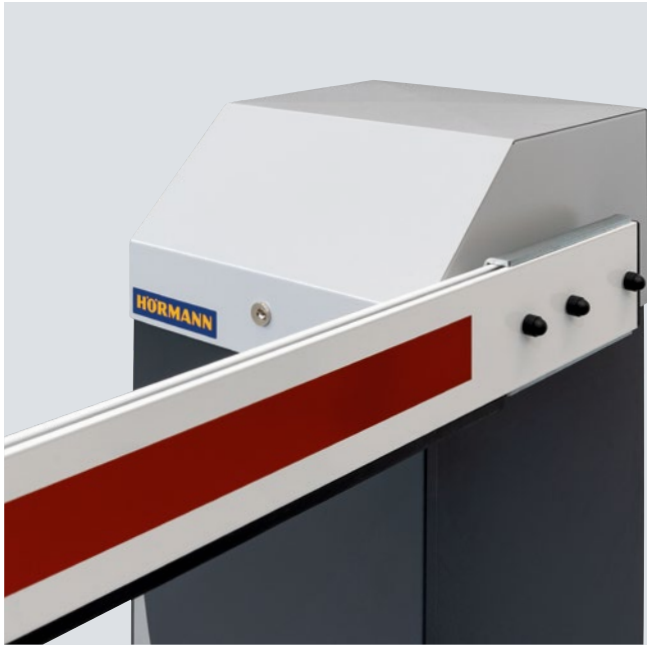
Round-the-clock service

FAST SERVICE. For all perimeter protection systems, we recommend regular maintenance in accordance with the manufacturer's specifications to ensure flawless operation at all times. Hörmann offers consulting, maintenance and repairs in many countries. Our extensive service network means that we are always nearby and at your service around the clock. Our customers can rely on us.

10-year guaranteed availability

HÖRMANN SPARE PARTS. It goes without saying that spare parts for all our components are original Hörmann parts that come with a 10-year guaranteed availability.

SERVICE-FRIENDLY COMPONENTS. The control unit is well protected and integrated directly into the barrier housing. The modular structure allows the convenient fitting or replacement of the individual components. This way, potential malfunctions can be quickly and easily recognised and resolved. Additional extensions, such as the module for the ID card management system, are directly integrated into the barrier housing.



Personal safety

Hörmann barrier systems are intended first and foremost to protect people. For this reason, our barriers are designed to fulfil the strict requirements of DIN EN 12453. The electronic power limit, the rubber profile on the underside of the barrier boom and the optional laser scanner ensure maximum protection for vehicles and people.

POWER LIMIT. On SH series barriers with 24 V DC drive (SH 50, SH 100 and SH 300), the microprocessor-controlled power limit ensures that the barrier boom stops when it hits an obstacle. The forces occurring are much lower than the maximum value specified by the standard. The rubber profile on the underside of the barrier boom enhances this protection. (minimum protection level 2)

PHOTOCELL. The use of additional photocells minimises the risk of contact with the barrier boom. (In combination with power limit minimum protection level 3)

LASER SCANNER. A laser scanner ensures that people and vehicles in the vicinity of the barrier are detected automatically, which further improves safety in the area below the barrier boom. (minimum protection level 4 – highest level)

PROTECTION AGAINST CRUSHING, SHEARING OR ENTANGLEMENT. By consistently applying our safety standards, we avoided practically all danger points in the design of our barriers that could lead to crushing, shearing or entanglement during operation of the barrier boom.

➔ Further information can be found starting on page 26.

Protection against damage caused by vandalism

Our SH series barriers are robust enough to overcome difficult operating conditions such as misuse or vandalism. The combination with a host of specialised accessory options guarantees maximum protection against damage.

ROBUST TECHNOLOGY. As early as the development of our barriers, close attention is paid to choosing installed components that will ensure maximum robustness. The aluminium barrier booms we use are set apart by their solid design.

SUPPORT POST OR STABILISER LINK. All our barrier booms can be equipped with either a support post or a stabiliser link. This prevents the barrier boom from being deliberately pushed down, causing damage to the gearbox as a result.

SUPPORT POST WITH MAGNET. The use of a support post with magnets additionally prevents the barrier boom from being pushed up with forces of up to 60 kN.

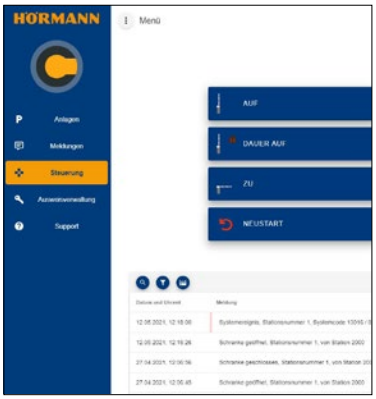
SAFETY COUPLING AND PLANETARY TRANSMISSION. The SH 300 is equipped with a planetary transmission on the 24 V DC motor as standard. This prevents damage if the barrier boom is deliberately pushed up or down.

PROTECTION AGAINST UNAUTHORISED ACCESS. You can use a suspended grille on the SH 600 to additionally protect the parking zone to be closed off from unauthorised access.

➔ Further information can be found starting on page 26.

Customised access authorisation

Discover the innovative world of Hörmann barriers that symbolise efficiency as well as safety. From the simplest operation with BiSecur hand transmitters through to our advanced ID card management system. This ensures precise control of access authorisations, complemented by various ID media. The web server-based OnlineControl interface allows users to manage these functions locally within the network.



INDIVIDUAL CONTROL AND MANAGEMENT CONCEPTS.
Barrier systems can be integrated into existing facility management systems as well as fire alarm systems without any problems. In addition, Hörmann offers a comprehensive ID card management system that provides individual entry and exit management. Access authorisation is granted via ID media such as QR code cards, RFID cards or number plates. User groups with different authorisation levels and time zones can also be managed.

CONTROL AND ADMINISTRATION VIA ONLINECONTROL.
The connection via OnlineControl means you can operate and manage barrier systems and the integrated ID card management system on any end device around the world. They can be simply accessed via a smartphone, tablet or web browser. The clearly structured web interface allows the complete operation and status query of the barrier system as well as comprehensive administration. Malfunctions are displayed directly. The OnlineControl feature makes it possible to monitor, manage and control bollard systems and collective garage doors, as well as barriers.

NUMBER PLATE RECOGNITION. NEW. The HCAM Basic camera scans the vehicle's number plate and opens the barrier if access authorisation is valid. A separate ID medium is not required.

➔ Further information can be found starting on page 40.

Only from Hörmann
BiSecur radio system

BiSecur

STATE-OF-THE-ART RADIO SYSTEM FOR DOOR CONTROL AND PERIMETER PROTECTION SYSTEMS. The bi-directional radio system BiSecur is based on future-oriented technology for convenient and secure operation. 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.

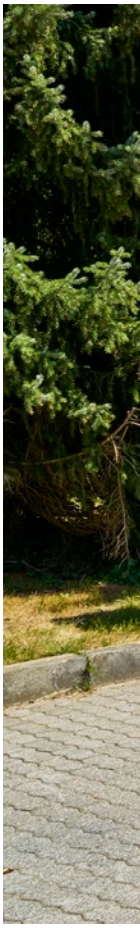
Barriers for housing complexes and blocks of flats

SH Basic. The two basic barriers in the SH series offer excellent value for money and are the ideal solution for all common perimeter protection applications.

Barrier SH 50. For access to blocks of flats or garages of housing complexes we recommend the SH 50. This barrier can be optionally equipped with the BiSecur radio system, allowing the user to operate the barrier and garage door with just one control element, e.g. a hand transmitter.

Barrier SH 100. The SH 100 is the ideal choice for highly frequented accesses (e.g. larger apartment complexes). Straightforward user management, even with frequently changing tenant / user, can be achieved with the HCAM Basic camera for number plate recognition. The user's number plate replaces conventional control elements such as hand transmitters or ID cards.

➔ Further information on the SH 50 and SH 100 can be found starting on page 25.
➔ Further information on number plate recognition can be found starting on page 40.



TOP LEFT. SH 100 with oval boom, LED lighting strips, barrier cover with warning light

TOP RIGHT. SH 50 with oval boom, LED lighting strips, barrier cover with warning light

BOTTOM. SH 50 with oval boom, LED lighting strips, barrier cover with warning light, photocell and support post

Employee parking spaces and company premises

When selecting the barrier model for perimeter protection to employee car parks or company premises, the user group and frequency of use are decisive.

SH Basic – SH 100. The SH 100 in combination with the HCAM Basic camera is recommended for the perimeter protection of employee-only car parks with a maximum usage frequency of 1000 cycles per day. Perimeter protection by number plate recognition using the HCAM Basic camera is a user-friendly solution that requires little administration.

➔ Further information on the SH 300 can be found starting on page 30.

TOP LEFT. SH 300 with flat boom

TOP RIGHT. SH 300 with flat boom and LED lighting strips

BOTTOM. SH 100 with flat boom in synchronised operation for closing off wide accesses

SH Professional. Thanks to their durability and integrated ID card management, the professional SH series barriers are the ideal solution for the perimeter protection of highly frequented car parks with regularly changing user groups.

SH 300. The SH 300 with integrated ID card management is the ideal choice for accesses that are used by both employees and customers. Employees can be authorised to enter and exit using special ID media. Customers can request authorisation to enter and exit at the entry station intercom.

SH 600. The SH 600 barrier with suspended grille is recommended for the perimeter protection of secured company premises and large barrier widths of up to 6.2 m. This extremely robust and durable combination reliably controls traffic via the integrated ID card management system, providing effective protection against unauthorised access to the premises at the same time.

➔ Further information on the SH 300 can be found starting on page 30.
➔ Further information on the SH 600 can be found starting on page 32.

TOP. SH 300 with flat boom for entry and exit

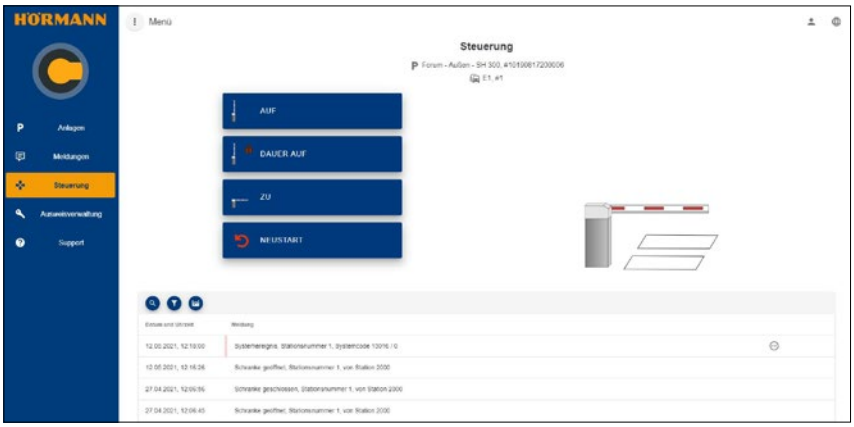
TOP RIGHT. SH 600 with round boom

Hotel parking areas and campsites

An individual ID card management system allows hotel guests to use the underground garage or the hotel parking area for a defined period of time. For long-term users of recreational areas and campsites, the authorisations for entry and exit are managed by timer-operated ID card management. At specific times, e.g. unattended times or outside the opening hours, access can be blocked by the system.

➔ Further information on the SH 300 and SH 600 can be found starting on page 30.

OnlineControl. Our OnlineControl ID card management software is ideal for managing access to hotel parking areas or campsite pitches.
Access authorisation for guests can be granted using various ID media that can be conveniently created ahead of the visit, limited in time and sent by e-mail as an e-ticket, for example. Not only does the guest experience optimum comfort, the operator's administrative effort is minimised too. The access authorisation of employees or long-term users can likewise be individually controlled by this smart ID card management solution. OnlineControl is also able to permanently block the access (unattended times) or permanently open it (in an emergency). OnlineControl is integrated into the control system of our SH 300 and SH 600 barriers as standard.



The OnlineControl software interface is clearly arranged. The intuitive operation this achieves minimises the administrative effort required.

➔ Further information on the OnlineControl can be found starting on page 38.

Versions. Accessories. Technology.

SH barrier series

Product comparison SH barrier series

Practical overview

SH Basic

	Standard SH 50	Comfort SH 100
		
Typical application areas	Parking areas for blocks of flats, private accesses	All-round barrier for all applications
Personal safety according to DIN EN 12453	★ ★ ★ ★	★ ★ ★ ★
Individual control concepts	★ ★ ★	★ ★ ★
Protection against damage caused by vandalism	★ ★ ★	★ ★ ★
Attractive design	★ ★ ★	★ ★ ★ ★
Convenience extras	★ ★	★ ★ ★
Easy to fit and service	★ ★	★ ★ ★
Barrier boom length	3 – 5 m	2 – 6 m
Opening / closing phase (depending on barrier boom length)	3 – 6 s	3 – 6 s
Intensity of use Cycles per day	500	1000
DC drive with power limit according to DIN EN 12453	●	●
OnlineControl with ID card management	–	–
Product features	Steel housing Barrier oval boom Barrier cover with lighting	Steel housing Barrier oval boom Barrier cover with lighting
BiSecur radio system	○	●
Special equipment	Number plate recognition	RAL to choose, emergency battery, number plate recognition

● = Standard equipment ○ = Optional equipment

SH Professional

	Pro SH 300	Industrial SH 600
		
Typical application areas	Highly frequented accesses, intelligent perimeter protection with ID card management	Perimeter protection of secured company premises with average frequency of use and large barrier widths
Personal safety according to DIN EN 12453	★ ★ ★ ★	★ ★ ★ ★
Individual control concepts	★ ★ ★ ★	★ ★ ★ ★
Protection against damage caused by vandalism	★ ★ ★ ★	★ ★ ★
Attractive design	★ ★ ★	★ ★ ★
Convenience extras	★ ★ ★ ★	★ ★ ★ ★
Easy to fit and service	★ ★ ★ ★	★ ★ ★ ★
Barrier boom length	2 – 4 m	2 – 6 m
Opening / closing phase (depending on barrier boom length)	2.4 s	7.8 s
Intensity of use Cycles per day	5000	1600
DC drive with power limit according to DIN EN 12453	●	–
OnlineControl with ID card management	●	●
Product features	Stainless steel housing Barrier flat boom Folding boom Round boom	Stainless steel housing Barrier round boom
BiSecur radio system	○	○
Special equipment	RAL to choose, network-capable OnlineControl with ID card management, number plate recognition, RFID short / long range QR code processing	RAL to choose, suspended grille, network-capable OnlineControl with ID card management, number plate recognition, RFID short / long range QR code processing

Automatic barrier SH 50

Good-value starter version for standard applications

1 Barrier oval boom

1

Watch the short film on YouTube or at
www.hormann.co.uk/media-centre

Barrier boom with optional
LED lighting strip shown

SH 50

Product description

Barrier width max.	4710 mm
Opening / closing phase	3 – 6 s depending on boom length
Cycles per day	up to 500
Overall cycles (service life)	up to 1 million
Motor with control	24 V DC
Temperature range	–25°C to +50°C
Version	Barrier boom stop left / right
Barrier housing dimensions (width × height × depth)	220 × 1170 × 390 mm

2

3

4

Standard equipment

Power limit 2
The electronic power limit stops the barrier boom when it hits an obstacle. This means vehicles and people are protected in accordance with DIN EN 12453.

Barrier cover warning light
The LED lighting integrated in the cover is used for visual signalling of the barrier status. (green: open 3, red: closed 4,).

➔ Information on further standard equipment and further optional equipment can be found on pages 34 – 37.

Optional equipment

Support post 5
The floor-mounted support post made of powder-coated steel prevents damage to the barrier caused by pushing down the barrier boom. It can be adjusted in height to match the terrain.

LED lighting strips 6
For better visibility at night and signalling of the opening status (red: closed, green: open), the barrier boom can be equipped with LED lighting strips.

Photocell 7
The optional photocell can be either wired or battery-powered.

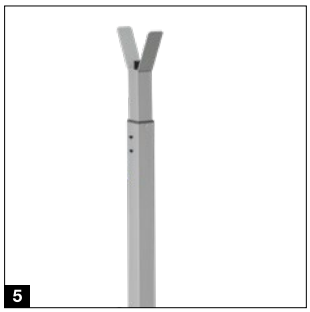
Induction loop detector 8
The induction loop detector is supplied together with a prefabricated induction loop and detects obstacles.

Key switch STAP 50 9
The optional STAP 50 key switch can be ordered to ensure safe operation.

LED warning light SLK, yellow 10
The signal lamp SLK is suitable for additional signalling.

Hörmann BiSecur radio 11
The modern BiSecur radio system ensures convenient and safe operation. All Hörmann BiSecur control elements can be used with the barriers (Fig. hand transmitter HS 4 BS).

Industrial hand transmitter 12
The industrial hand transmitter allows you to conveniently operate the barrier system even when wearing work gloves.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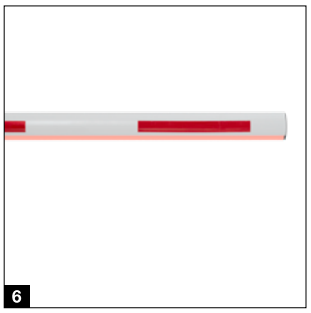
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Automatic barrier SH 100

Comfort barrier for all applications

1 Barrier oval boom

1

Watch the short film on YouTube or at
www.hormann.co.uk/media-centre

Figure shows barrier boom
with optional LED lighting strips

	SH 100
Product description	
Barrier width max.	5750 mm
Opening / closing phase	3 – 6 s depending on boom length
Cycles per day	up to 1000
Overall cycles (service life)	up to 2 million
Motor with control	24 V DC
Temperature range	–20°C to +60°C
Version	Barrier boom stop left / right
Barrier housing dimensions (width × height × depth)	320 × 1120 × 405 mm

2

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Standard equipment

Power limit 2
The electronic power limit stops the barrier boom when it hits an obstacle. This means vehicles and people are protected in accordance with DIN EN 12453.

Barrier cover warning light 3
The LED lighting integrated in the cover is used for visual signalling of the barrier status (red: closed, green: open).

Hörmann BiSecur radio 4
The modern BiSecur radio system ensures convenient and safe operation. All Hörmann BiSecur control elements can be used with the barriers (Fig. hand transmitter HS 4 BS).

➔ Information on further standard equipment and further optional equipment can be found on pages 34 – 37.

Optional equipment

Support post 5
The floor-mounted support post made of powder-coated steel prevents damage to the barrier caused by pushing down the barrier boom. It can be adjusted in height to match the terrain. It can also be supplied with a magnet.

LED lighting strips 6
For optimum visibility at night and for signalling of the opening status (red: closed, green: open), the barrier boom can be equipped with LED lighting strips.

Photocell 7
The optional photocell is attached on the housing for a harmonious appearance.

Induction loop detector (not shown)
The induction loop detector is supplied together with a prefabricated induction loop and detects obstacles.

Key switches, fire brigade switches 8
To ensure safe operation, both the optional key switch and a fire brigade switch can be attached to the housing.

Orange warning light 9
The warning light is suitable for additional signalling.

Emergency battery 10
The emergency battery can enable temporary further operation to ensure operation in the event of a power failure (integrated in the barrier housing).

Industrial hand transmitter 11
The industrial hand transmitter allows you to conveniently operate the barrier system even when wearing work gloves.

Stabiliser link 12
The aluminium support that is firmly attached to the barrier boom is equipped with spring damping and rubber end buffers for quiet and gentle closing.


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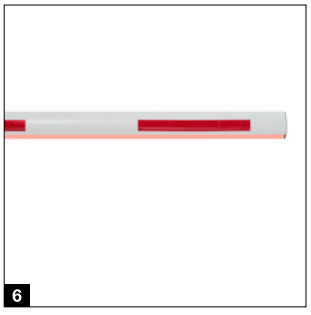
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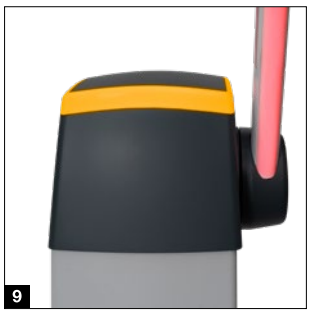
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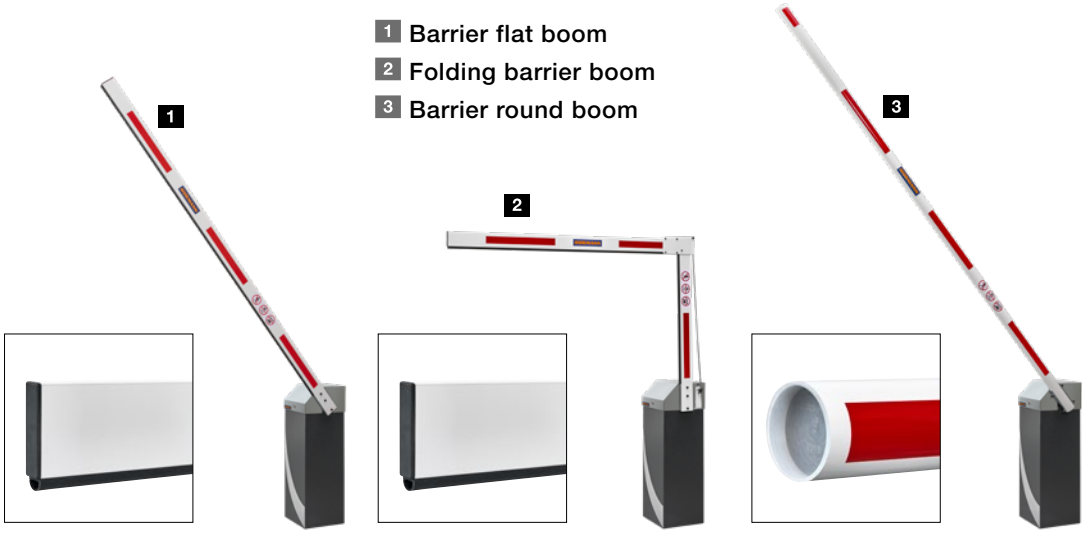
Automatic barrier SH 300

The barrier for pay station systems



SH 300

Product description	
Barrier width max.	3750 mm
Opening / closing phase	2.4 s (depending on boom length)
Cycles per day	up to 5000
Overall cycles (service life)	up to 10 million
Motor with control	24 V DC
Temperature range	–25°C to +65°C
Version	“Right-hand” or “left-hand” hinged
Barrier housing dimensions (width × height × depth)	360 × 1130 × 360 mm

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Standard equipment

Vandalism protection 4
The planetary transmission prevents damage to the barriers in case of illegal barrier boom manipulation.

Power limit 5
The electronic power limit stops the barrier boom when it hits an obstacle. This means vehicles and people are protected in accordance with DIN EN 12453.

Integrated control 6
The control integrated in the barrier housing offers connections for induction loops as well as different ID card readers and control elements as standard. The control is prepared for OnlineControl as standard.

Optional equipment

LED lighting strips 7
For optimum visibility at night and for signalling of the opening status (red: closed, green: open), the barrier boom can be equipped with LED lighting strips (not possible with folding boom).

➔ Information on further standard equipment and further optional equipment can be found on pages 34 – 37.


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7

Automatic barrier SH 600

The barrier for recreational areas and campsites

1 Barrier round boom

1

SH 600

Product description

Barrier width max.	6140 mm
Opening / closing phase	7.8 s (depending on boom length)
Cycles per day	up to 1600
Overall cycles (service life)	up to 4 million
Motor with control	230 V AC
Temperature range	–25°C to +65°C
Version	Boom holder on both sides
Barrier housing dimensions (width × height × depth)	360 × 1130 × 360 mm

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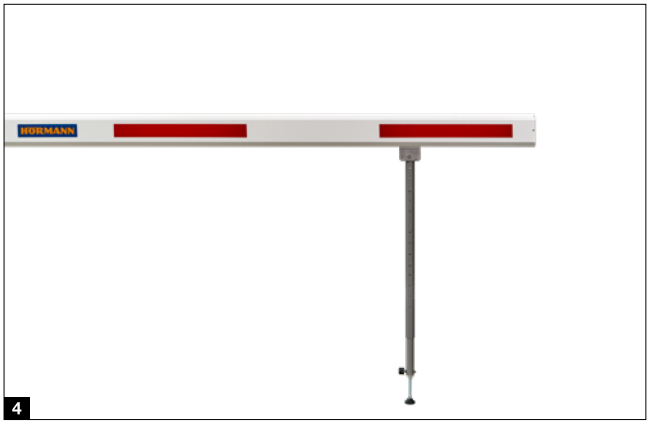

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Standard equipment

Integrated control 3
The control integrated in the barrier housing offers connections for induction loops as well as different ID card readers and control elements as standard.

Optional equipment

Stabiliser link* 4
The aluminium support that is firmly attached to the barrier boom is equipped with spring damping and rubber end buffers for quiet and gentle closing.

Support post* 5
The floor-mounted support post made of powder-coated steel prevents damage to the barrier caused by pushing down the barrier boom. It can be adjusted in height to match the terrain. Optionally, the post can be ordered with a magnet. This makes unauthorised opening of the barrier boom more difficult.

Suspended grille 6
The area underneath the barrier boom can be secured by a 750 mm high, red and white grille (painted aluminium).

LED lighting strips 7
For optimum visibility at night and for signalling of the opening status (red: closed, green: open), the barrier boom can be equipped with LED lighting strips.

➔ Information on further standard equipment and further optional equipment can be found on pages 34 – 37.

* Recommended from a barrier boom length of more than 4000 mm.


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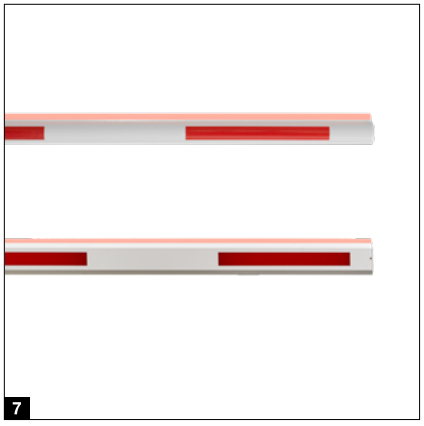
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Further standard equipment SH 50 and SH 100

For a long service life and easy service

LEFT. Barrier SH 50 detail
RIGHT. Barrier SH 100 detail

1 Barrier boom

The barrier boom of the SH 50 and SH 100 owes its durability to its refined profile and the use of aluminium. This ensures maximum stability together with low weight.

2 Barrier cover

The barrier cover of the SH 50 made of powder-coated die-cast aluminium is supplied in RAL 7016 Anthracite grey as standard. The cover of the SH 100 is made of high-quality, impact-resistant plastic, also in RAL 7016 Anthracite grey. Both covers are fitted with lighting as standard.

3 Barrier housing

The housing of the SH 50 and SH 100 is available in powder-coated steel in RAL 9006 White aluminium. The barrier housing of the SH 100 is also optionally available in RAL to choose.

4 Control

The integrated control of the SH 50 and SH 100 has a 7-segment display for status display and control buttons for menu selection.

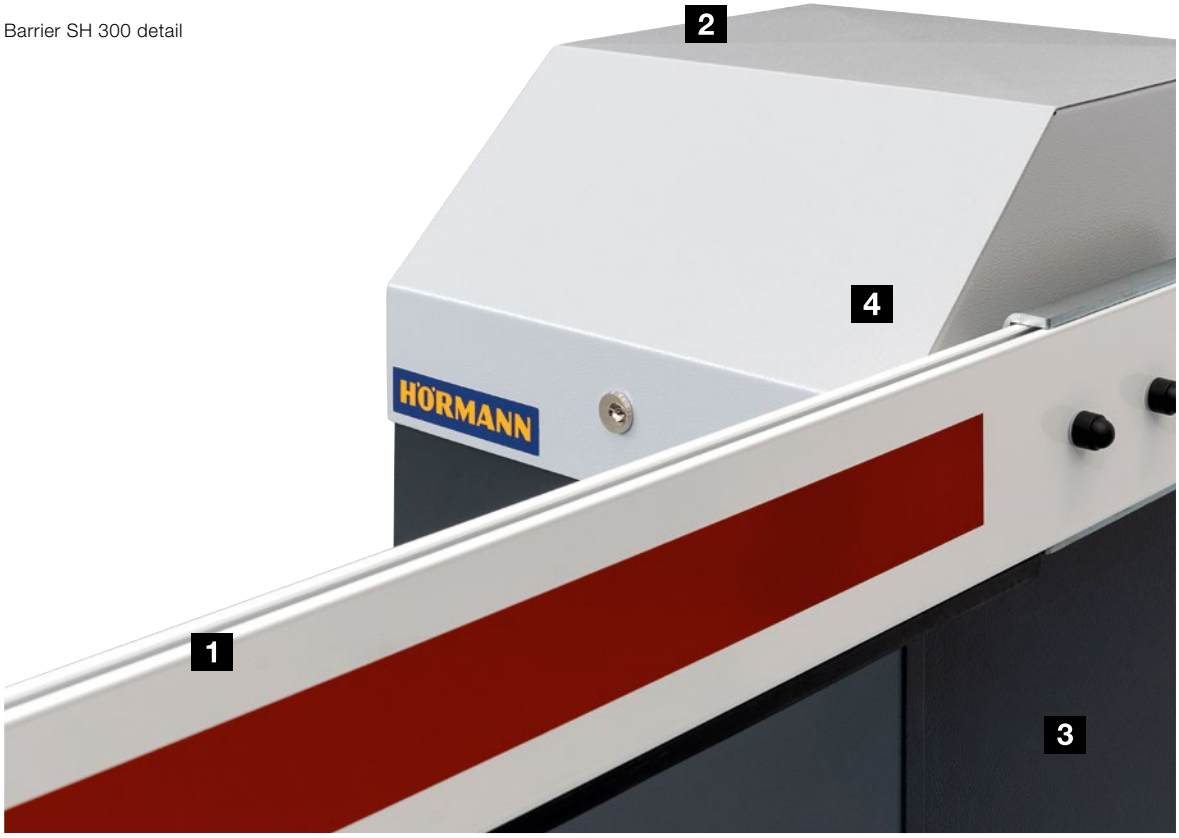
Service switch for service and maintenance

The service switch prevents the movement of mechanical components when the housing is open.

Further standard equipment SH 300 and SH 600

For a long service life and easy service

Barrier SH 300 detail



1 Barrier boom

The durable aluminium profile is supplied powder-coated in RAL 9010 Pure white with red reflection strips. On SH 300 barriers with flat boom or folding boom, a rubber profile on the bottom side of the barrier boom protects vehicles and people in case of impact.

2 Barrier cover

The barrier cover of the SH 300 and SH 600 is supplied in powder-coated stainless steel in RAL 9006 White aluminium as standard. Optionally the cover of the SH 300 and SH 600 is also available powder-coated in RAL to choose. The chamfered design reduces the risk of crushing.

3 Barrier housing

The robust stainless steel housing of the SH 300 and SH 600 barriers is powder-coated in RAL 7016 Anthracite grey as standard. For individual designs, this housing is also optionally available in RAL to choose.

4 Control

The control of the SH 300 and SH 600 barriers has an OLED display for status display and control buttons for menu selection. The OnlineControl ID card management system is also integrated into the control.

Service and subsequent expansion

The service switch prevents the movement of mechanical components when the housing is open.

Further optional equipment

The right accessories for your requirements

1 Prefabricated induction loop
The prefabricated induction loop allows quick and simple fitting under pavement, screed, concrete or asphalt.

2 Induction loop detector [1]
The induction loop detector (fig. for SH 300 and SH 600) offers connections for up to two induction loops with four sensitivity levels and two frequency levels.

3 Photocell
For the additional protection of the area underneath the barrier boom we recommend a photocell with a transmitter and opposite receiver.

4 Laser scanner
The laser scanner allows automatic detection of people and vehicles and increases safety in the area underneath the barrier boom. You do not require an additional induction loop for automated barrier opening with a laser scanner. For barriers without power limit (SH 600), the laser scanner is mandatory for compliance with DIN EN 12453.

[1] Also available for SH 50 and SH 100 (not shown).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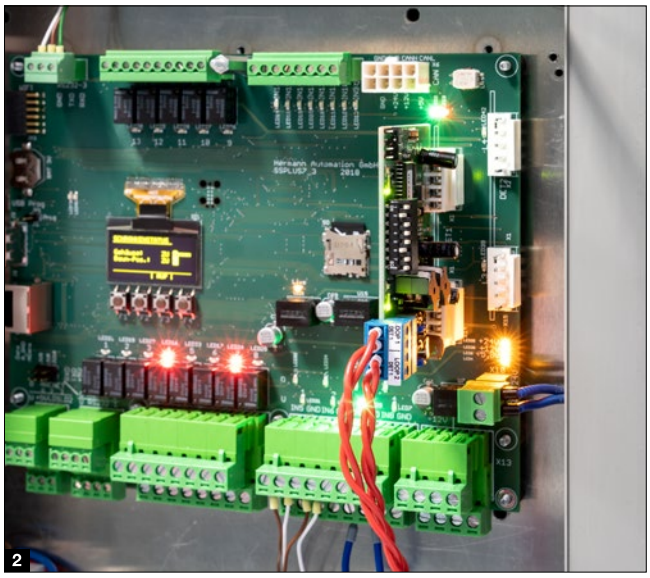
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5 Fire brigade switch
The switch allows quick manual opening of the barrier by the fire brigade using a triangular key.

6 Key switch
The key switch allows for convenient opening of the barrier via the building technology (e.g. an on-site or separate closing system).

7 LED lighting strips
For optimum visibility at night and for signalling the opening status (red: closed, green: open), all the SH series barrier booms can be equipped with LED lighting strips.

8 LED warning lights
The warning light signals the imminent barrier boom movement before every opening and closing operation.

9 Crash protection
For fitting in front of barriers, entry / exit stations or automatic pay stations. Available in three diameters, five different designs and the painted steel or stainless steel versions. For details, see the “Crash protection and impact absorber profile” brochure.

For more information, see the “Crash protection and impact absorber profile” brochure.

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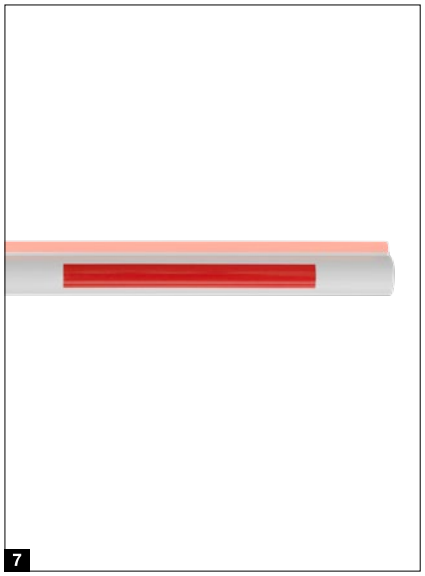
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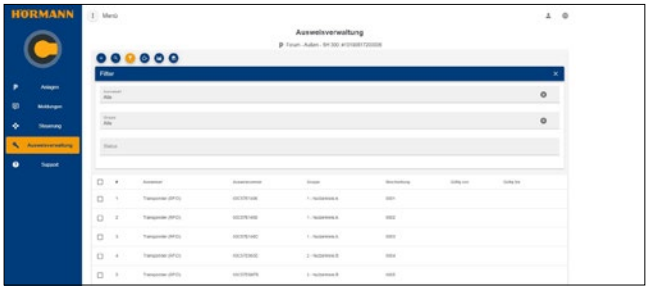
Customised access authorisation

Solutions with simple control elements, system solutions with ID card management

Flexible ID card management with OnlineControl management



OnlineControl

The OnlineControl system developed by Hörmann in-house offers you a flexible entry and exit management system that is, of course, individually configured on-site or by the Hörmann partner according to customer requirements. Therefore, the ID card management defines

- which users or user groups
- using which ID media
- may pass which barriers
- at which times.

For this purpose, a mobile or stationary end device is connected to the IP address of the barrier via a web browser – either directly with the barrier or with LAN or WiFi access to the local network. Access is allowed via the ID media found on page 39.

* Not for SH 50 and SH 100 barriers

OnlineControl Live

OnlineControl Live allows several barrier systems around the world to be centrally controlled from a single location. Besides the configuration and administration of the ID card management, this solution additionally offers the remote control of the barrier incl. the status query, without the need for staff on location to supervise the barrier. In addition, the system monitors the functioning of the barrier and automatically generates malfunction notifications. These can be forwarded to the service technician. The advantages for you? The remote malfunction analysis minimises repair times on location and prevents repeated deployment as our service technicians will bring all required spare parts along with them.

NEW. Bollard systems and collective garage doors can also be controlled using OnlineControl.

Watch the short film on YouTube or at www.hormann.co.uk/media-centre

Tip

The controls of the SH 300 and SH 600 barriers are equipped with OnlineControl as standard.

Advantages and potentials of OnlineControl and OnlineControl Live

- Integrated ID card management for up to 2000 parking IDs
- Up to 8 different ID card groups can be defined
- Access restrictions for groups or individual IDs
- Combination of different ID types possible (RFID, number plate, bar or QR codes)
- User management with authorisation profiles for controlling access authorisations
- Message database for traceability of system events
- Stations in the local network can be controlled via integrated web server
- Local networking of up to 16 stations (host-client operation)
- Also possible to network and manage multiple systems via the Internet (OnlineControl.live Service)
- Configuration options via web interface
- REST-API interface for interaction with third-party services or on-site solutions

ID card media

1 QR, barcode or RFID transponder card
The ID medium is read by the respective ID card reader and the access authorisation is checked. QR, barcode or RFID transponder cards can be created in your own design on request. Ideal ID medium for small residential complexes and employee car parks.

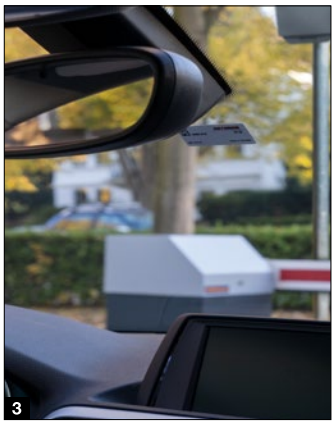
2 E-ticket (sent by e-mail via OnlineControl)
The car park user receives a QR code by e-mail (electronic ticket) and can use this as access authorisation. QR codes are sent via the OnlineControl web interface. Ideal for hotels, youth hostels and campsites.

3 RFID tag
The RFID tag (small sticker on the windscreen) is detected by the RFID far-range reader and opens the barrier if the access authorisation is valid.
This ID medium ensures rapid perimeter protection and is ideal for small to medium-sized companies, e.g. in the logistics sector.

4 Vehicle number plate
The number plate recognition camera scans the vehicle's number plate and opens the barrier if access authorisation is granted.
A separate ID medium is not required. Ideal ID medium for small residential complexes and large employee car parks / company premises.


1


2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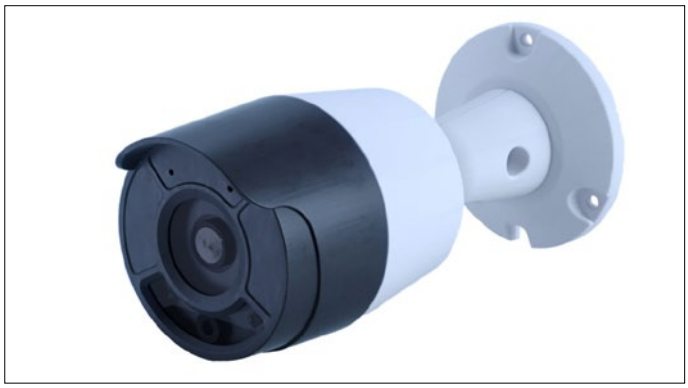
Stationary control elements
The barrier is opened via code entry, fingerprint or a transponder card (radio code switch FCT 3 BS shown).

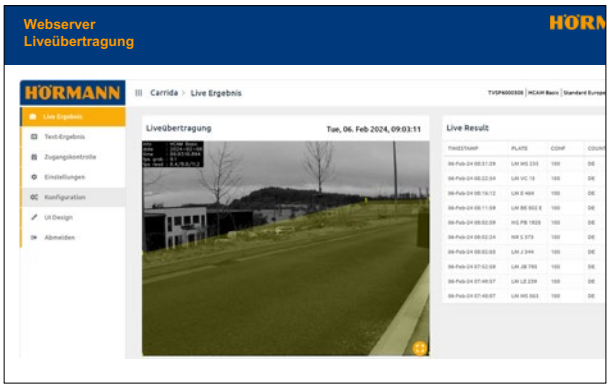
Mobile control elements
Various hand transmitter versions enable convenient opening of the barriers from within the vehicle (hand transmitter HS 4 BS shown).

➔ Further information can be found on page 44.

NEW. HCAM Basic

Low-cost camera for smart number plate recognition





LEFT. HCAM Basic
BOTTOM LEFT. HCAM Basic on barrier housing
TOP RIGHT. HCAM Basic with optional post
BOTTOM RIGHT. Web server with live view

INEXPENSIVE AND SMART. The HCAM Basic is a low-cost, user-friendly camera for recognising and managing vehicle number plates. The camera achieves a very good recognition rate even in difficult approach situations, e.g. when vehicles enter the detection range from the side and vehicles have international number plates.

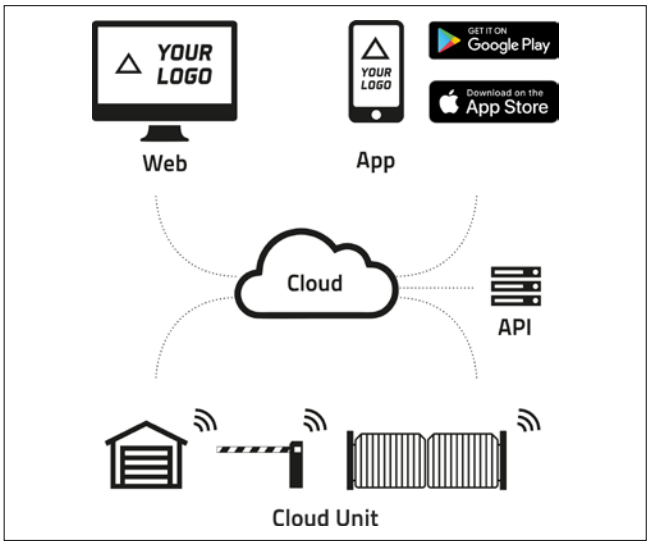
The HCAM Basic has an integrated web server with built-in number plate management. This can be operated either via a local network or on the camera itself. The detection range can be set and number plates conveniently managed via the camera's user interface. In addition, time-limited access authorisations for thousands of number plates can be flexibly assigned.

The camera's data management function complies with the requirements of the General Data Protection Regulation (GDPR). This means that the data collected can be analysed for an appropriate period of time to check its relevance. At the end of this period, the data are securely deleted.

The HCAM Basic is compatible with all SH series barriers.

ADVANTAGES OF THE HCAM BASIC

- Reliable international number plate recognition
- Low-cost camera for smart perimeter protection systems
- Simple fitting and initial start-up
- Perfect for all Hörmann ZKS products and doors
- Simple integration of number plate recognition into existing perimeter protection systems
- Standalone operation with integrated web server including number plate management
- Configurable interfaces and actions (TCP / IP, MQTT, potential-free output)



SIMPLE MODERNISATION. The Hörmann Cloud Unit W5-B offers a reliable, fast and simple solution for your barrier management. The Hörmann Cloud Unit allows you to connect SH series barriers to the cloud. This plug-and-play IoT solution offers a host of advantages and permits easy barrier management via the app. You get remote access to the barriers either via the app or the web browser.

The Cloud Unit also acts as a yearly timer: Automatically recurring actions and authorised access times can therefore be scheduled. You can keep an eye on the live status of your barriers around the clock and access event logs.
You also receive push notifications about certain events – always customised to individual users and internal regulations.

The automatic forecast function provides you with a customised service based on actual usage and service intervals.

ADVANTAGES OF THE CLOUD UNIT W5-B

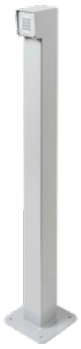
- Plug-and-play IoT solution: Simplest installation and initial start-up of the Hörmann Cloud Unit W5-B on site in under 30 minutes.
- Benefit from instant connectivity – you receive the Hörmann Cloud Unit W5-B with a SIM card as standard
- Network of your choice: The Hörmann Cloud Unit W5 gives you the freedom to choose the network you want.
- The Cloud Unit W5-B is also compatible with Hörmann bollards and Hörmann garage doors

Control housing

The optimal solution for any requirement

● Standard equipment
○ Optional equipment

Shown with optional ID card readers



	STN 1	KGG	KGU	Car / lorry
Dimensions / technical data				
Dimensions (W × H × D):	90 × 1050 × 90 mm	300 × 1100 × 260 mm	425 × 1205 × 410 mm	395 × 2060 × 380 mm
max. cut-out area (W × H)	80 × 80 mm	205 × 400 mm	300 × 530 mm	(2 ×) 300 × 415 mm
Preparation for intercom	–	○	●	●
max. number of command units	1	2	3	(2 ×) 3
Command unit options	Code switch CTR 1 – 1b, finger-scan FL 150, key switch STUP 50	Transponder reader, QR code reader, code switch	On-site intercom, on-site reader, transponder reader, QR code reader Code switch	On-site intercom, on-site reader, transponder reader, QR code reader Code switch
Typical application	Private parking space with a barrier	Perimeter protection via ID medium for entry / exit	Perimeter protection via ID medium for entry / exit	Perimeter protection via ID medium for entry / exit, higher housing for operation by lorry drivers

● = Standard equipment ○ = Optional equipment – = Not available

Standard equipment

1 Housing
The housing made of stainless steel is delivered powder-coated in RAL 7016 Anthracite grey as standard. It is also optionally available in RAL to choose.

2 Front panel
The stainless steel panel is powder-coated in RAL 9006 White aluminium as standard. This panel is also optionally available in RAL to choose.

3 Intercom
The mesh grille for the intercom is already integrated into the front panels of the KGU and car / lorry control housing. This way, the intercom unit can be conveniently fitted or retrofitted. Intercoms can be optionally integrated into the KGM and KGG control housings.

4 ID card reader
The housing provides sufficient space for system-specific or on-site reader and additional components.

Accessories

Operation via radio, receiver

HS 5 BS
Four button functions
plus query button,
high-gloss surface
black or white

HS 5 BS
Four button functions
plus query button,
textured surface
matt black

HS 4 BS
Four button functions,
textured surface
matt black

HS 1 BS
One button function,
textured surface
matt black

HSE 1 BS
One button function,
including eyelet for key ring,
textured surface
matt black

HSE 4 BS
Four button functions, incl. eyelet
for key ring, textured surface matt
black with chrome or plastic caps

HSS 4 BS
4-button security hand transmitter,
Additional function: copy
protection for hand transmitter
coding with chrome caps

2-channel relay receiver
HET-E2 MCX BS
With 2 volt-free relay outputs for
choosing the direction, one 2-pin
input for volt-free Open / Close limit
switch reporting, external antenna

BiSecur

Only from Hörmann

Modern radio system

The bi-directional radio system BiSecur is based on future-oriented technology for convenient and secure operation. 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
- Compatible with Hörmann door control and perimeter protection systems
- Backwards compatible, i.e. radio receivers with the frequency 868 MHz (2005 to June 2012) can also be operated with BiSecur control elements

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

Radio code switch
FCT 10 BS
Ten functions, with illuminated buttons and hinged cover, recessed or surface-mounted fitting possible, plastic housing painted in RAL 9006 White aluminium

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

Finger-scan
FL 150
For two functions, up to 150 fingerprints can be saved

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

Code switch
CTR 1b-1, CTR 3b-1
For one (CTR 1b-1) or three (CTR 3b-1) functions, with illuminated buttons

Dimensions:
80 × 80 × 15 mm (W × H × D)

Code switch
CTV 3-1
For three functions, with particularly robust metal keypad

Dimensions:
80 × 80 × 15 mm (W × H × D)

Code switch
CTP 3
For three functions, with illuminated lettering and touch-sensitive surface

Dimensions:
80 × 80 × 15 mm (W × H × D)

Key switch
ESU 30
With three keys, recessed version, Impulse or Open / Close functions selectable;

Dimensions of the switch box:
60 mm (d), 58 mm (D),
Dimensions of the panel:
90 × 100 mm (W × H),

brickwork recess:
65 mm (d), 60 mm (D);

Protection category: IP 54
Surface-mounted version ESA 30

Dimensions:
73 × 73 × 50 mm (W × H × D)

Key switch
STUP / STAP 50
With three keys

Dimensions:
80 × 80 mm (W × H),
Protection category:
IP 54

Key switch UPB
With three keys, recessed version, push-to-lock open, press-and-hold closed function

Fire brigade switch
With fire brigade triangular key for emergency opening, push-to-lock open

Warning lights
Red / green
As a visual indicator of authorised or blocked passage, not in combination with stainless steel key switch posts

Dimensions:
170 × 467 × 200 mm
(W × H × D),
contact load:
250 V AC: 2.5 A / 500 W,
Protection category: IP 65


Ausgang Exit Sortie
Münstergasse
Kassenautomat
1
Parkticket stecken
TICKET
HÖRMANN
3
Neuenburg am Rhein

Secure payment and ease of use

All components of our Hörmann parking management systems are designed for ease of use. In addition to secure payment processing, GDPR-compliant handling of customer data is also guaranteed.

HIGHEST STANDARD OF DATA PROTECTION.
GDPR-compliant handling of customer data is guaranteed both when using the vehicle number plate as a parking ticket and when paying by parking / credit card.

SIMPLE OPERABILITY. Our parking management systems were developed with maximum customer convenience in mind. The Park LIVA systems, for example, guarantee fast ticket processing.

CUSTOMISED SYSTEMS. Thanks to their modular design, our parking management systems can be adapted to any size of car park. You can also choose between systems with and without paper tickets. A large number of software modules also enable customised system configuration.

Smart car park management

NEW. The parking management system Park NFC allows customers to use their bank / credit card (with NFC chip) or smartphone as both a parking ID and a means of payment.

➔ Further information on Park NFC can be found from page 56.

Top. Contactless entry with debit / credit card as ID medium

Top right. Contactless exit with debit / credit card as ID medium

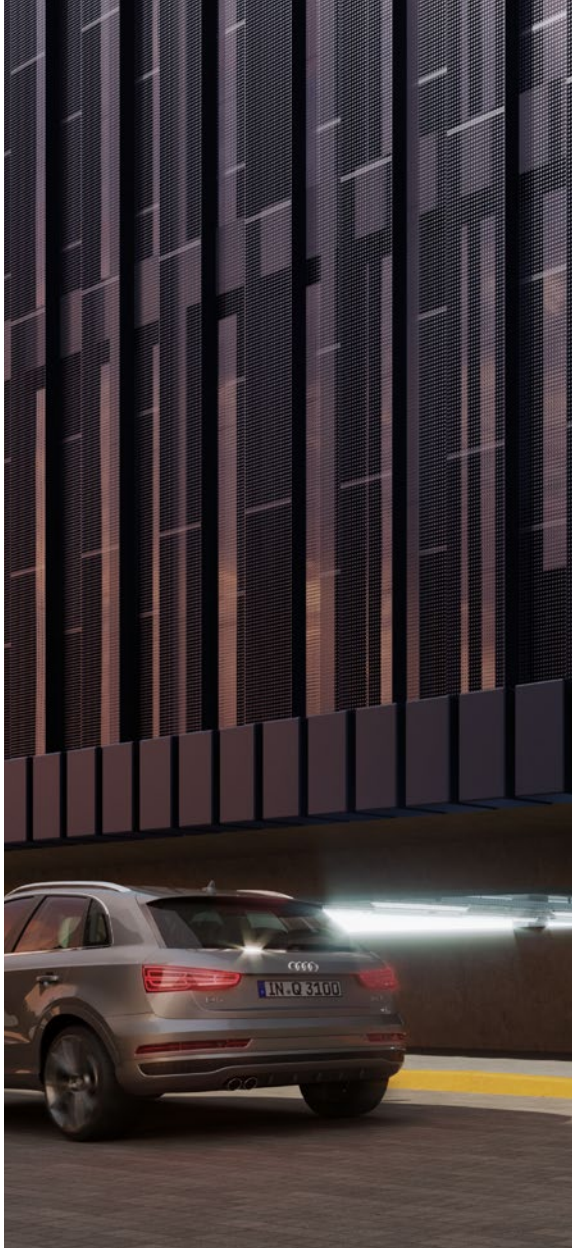
Bottom right. Entry and exit station Park NFC with SH 300-OSR


HÖRMANN
Bankkarte wurde gelesen...
Bankkarte entfernen


ZUFAHRT
HÖRMANN

Public parking spaces

A future-oriented parking management system increases the profitability of city centre parking areas. Individual payment options offer customers maximum convenience and increase the usage rate of the parking areas.



Car parks in shopping centres

Parking management with concession rate system enhances the appeal of shopping centres. We offer different solutions that allow the participating shops to reduce the parking fees for their customers and thus increase customer loyalty.

➔ Further information on the SH 300 can be found starting on page 30.
➔ Further information on automatic pay stations can be found starting on page 60.

TOP LEFT. Automatic pay station HK 300

TOP RIGHT. SH 300 with folding boom, HK 500

LEFT. SH 300 with flat boom

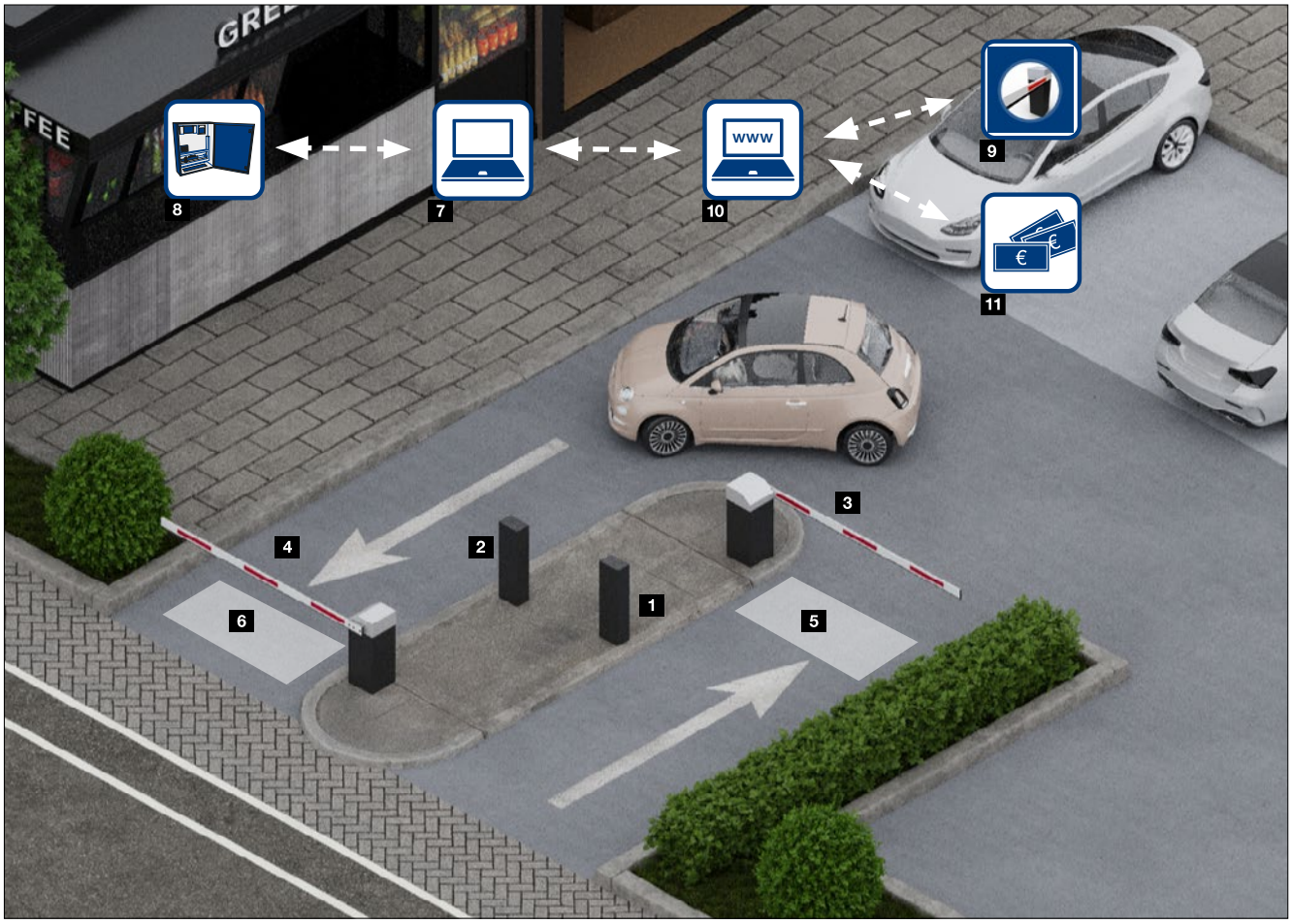

Ausgang Exit Sortie
Münstergasse
Kassenautomat
2
Parkticket stecken
TICKET
HÖRMANN
2
Neuenburg am Rhein

Versions. Accessories. Technology.

Pay station system

NEW. Park NFC

Parking management system



1 Entry station
2 Exit station
3 Entry barrier
4 Exit barrier
5 Presence loop
6 Closing loop
7 Local network
8 Control box with central unit
9 Internet
10 Operating software Park NFC
11 Payment service provider

Park NFC – parking management system with bank / credit card as both a parking ID and a means of payment

Parking with Park NFC is so easy: Simply hold the payment medium in front of the card reader at the entry station and drive in. After a brief check of the relevant data, the entry barrier opens. To exit the car park, drive directly to the exit station and present the payment medium.
The parking fee due is displayed and the payment is confirmed by presenting the payment medium again. A SEPA-compliant debit is made from the corresponding account of the car park user.

Advantages

- No parking ticket required
- No automatic pay station required, time-efficient and customer-friendly check-in / check-out solution
- Cost savings thanks to low-maintenance system technology
- Ideal for car parks without on-site staff – a fully functional “standalone” parking management system
- Mobile management via web browser with smartphone, tablet or PC via WebControl

Entry station
- For short- and long-term users

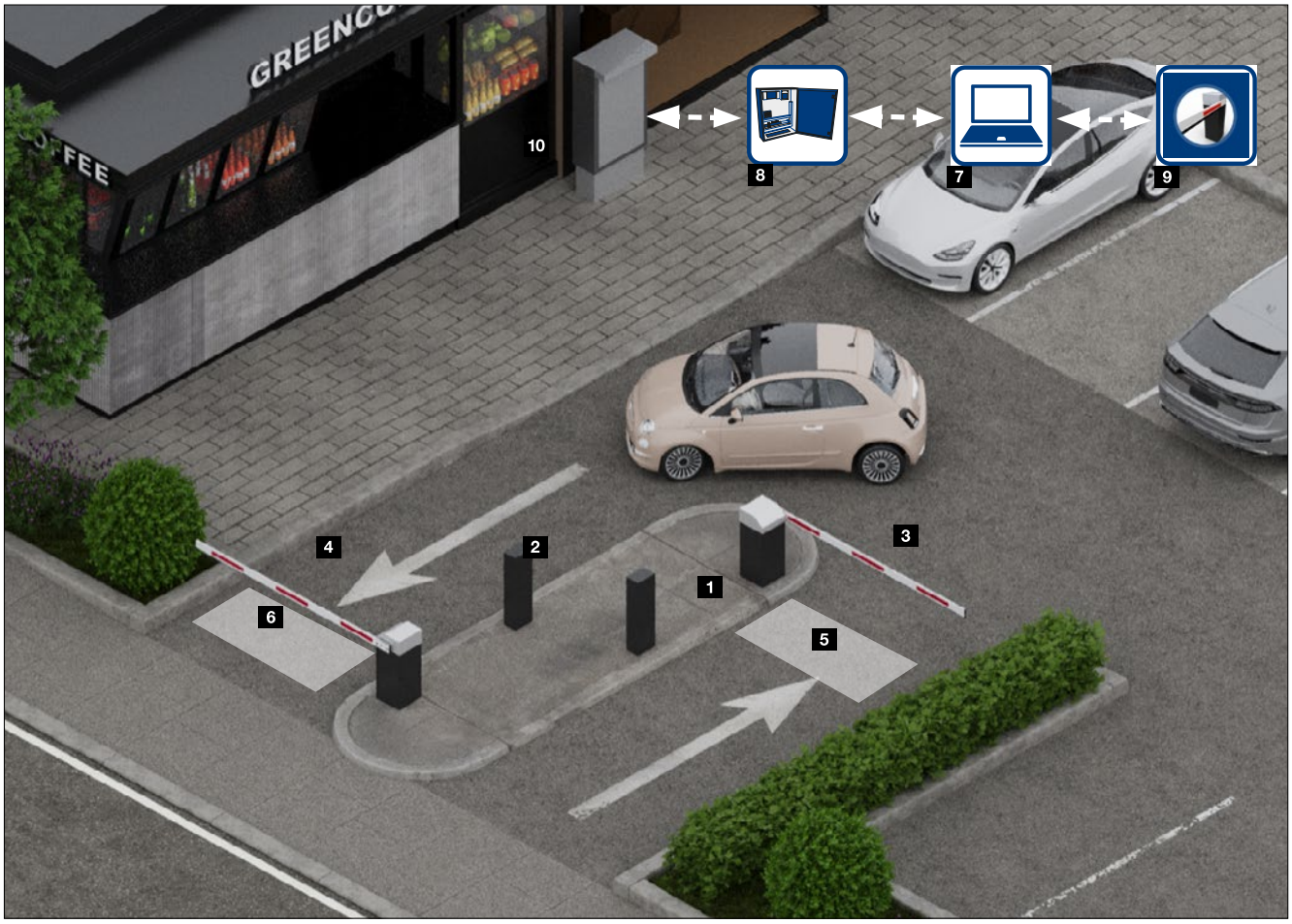
Exit station
- For short- and long-term users

	Entry station Park NFC	Exit station Park NFC
Dimensions / technical data		
Dimensions (W × H × D):	425 × 1205 × 410 mm	425 × 1205 × 410 mm
TFT colour display	5.7”	5.7”
Payment terminal cVEND plug	●	●
Integrated receipt printer	–	●
Concession rate reader	–	●
Integrated barrier control	●	●
Integrated heating	●	●
Intercom	○	○

● = Standard equipment ○ = Optional equipment – = Not available

Park LIVA

Parking management system



1 **Entry station**
2 **Exit station**
3 **Entry barrier**
4 **Exit barrier**
5 **Presence loop**
6 **Closing loop**
7 **Local network**
8 **Control box with central unit**
9 **Operating software WebControl**
10 **Automatic pay station**

Park LIVA

Park LIVA is a classic parking management system with entry / exit station, barrier and automatic pay station. Thanks to the modular design, even large car parks / multi-storey car parks can be equipped.

Due to the fast ticket processing at the entry and exit stations and the optional use of the vehicle number plate as a parking ticket, Park LIVA is particularly suitable for high usage frequencies.

The optional WebControl management software and the option of remote access to all system components offer the operator a high level of service convenience.

Advantages

- Parking management system for high usage frequency and any car park size
- The right automatic pay station for every customer requirement
- Fast ticket processing at all stations and automatic pay stations
- Simple management with WebControl
- Convenient service thanks to remote maintenance capability

Entry station
- For short- and long-term users
- Issue of coded barcode tickets for short-term users
- Barcode reading unit for long-term users

Exit station
- For short- and long-term users
- Collection unit for coded barcode tickets
- Barcode reading unit for long-term users

Entry and exit stations equipment

High-contrast colour display 1
The 5.7" TFT colour screen displays informational texts to facilitate operation.

Animated ticket request button 2
The ticket request button at the entry station begins flashing in green when a vehicle is detected driving through the induction loop.

Animated ticket collection 3
A flashing arrow at the entry station prompts the customer to insert the parking ticket. The ticket collection function can also be used for long-term parking tickets.

Optional QR / RFID transponder reader 4
For long-term parking with QR or RFID cards, the entry and exit stations can be equipped with a corresponding barcode reading unit.

Entry station Park LIVA

Exit station Park LIVA

Dimensions / technical data	Entry station Park LIVA	Exit station Park LIVA
Dimensions (W × H × D):	425 × 1205 × 410 mm	425 × 1205 × 410 mm
TFT colour display	5.7”	5.7”
Control buttons	1	–
Animated ticket request	●	–
Animated ticket collection	–	●
Integrated barrier control	●	●
Integrated heating	●	●
Intercom	○	○

● = Standard equipment ○ = Optional equipment – = Not available

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Park LIVA
Automatic pay stations

Automatic pay station
- Barcode reading unit for billing the parking fees via a barcode ticket
- Issue of receipts

	Automatic pay station HK 200 “Cashless”	Automatic pay station HK 300	Automatic pay station HK 500
Dimensions / technical data			
Dimensions (W × H × D):	425 × 1805 × 415 mm	650 × 1780 × 300 mm	860 × 1905 × 500 mm
TFT colour display	5.7”	5.7”	12.1” touch display
Control buttons	3	3	Touch operation
Card payment terminals	●	○	○
Animated ticket collection	●	●	●
Coin and banknote processing	–	●	●
Integrated heating	●	●	●
Intercom	○	○	○

● = Standard equipment ○ = Optional equipment – = Not available

Automatic pay station equipment

High-contrast colour display 1
The high-contrast 5.7” TFT colour display is operated via three buttons on the side. Optionally, a 12.1" touch display can be installed (e.g. for applications with number plate recognition).

Easy-to-understand operator guidance 2
Easily recognisable pictograms, e.g. for coins and banknotes, facilitate the use.

Animated ticket collection 3
A flashing arrow prompts the customer to insert the parking ticket.

Coins and banknotes 4
As standard, the HK 300 and HK 500 automatic pay stations are supplied with a coin slot and banknote insertion, as well as intelligent cash processing.

Credit cards (optional) 5
The payment terminal allows payment by debit or credit card.

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Park LIVA

Parking management system with optional number plate recognition

Number plate recognition for paid parking

The digital parking ticket with vehicle number plate recognition enables fast and contactless parking management at entry and exit stations. The vehicle number plate is recognized by the camera upon entry 1. After paying the parking charge at the automatic pay station, the car park user proceeds to the exit and leaves the parking area via the automatically opening barrier thanks to number plate recognition. Once the parking process is complete, the encrypted vehicle number plate is deleted from the database in compliance with the GDPR.

Parking fee payment at the automatic pay station 2

The number plate can be entered conveniently and easily at the automatic pay station via the 12.1" TFT colour touch display. Clear and self-explanatory menu navigation makes it easier for the car park user to complete the payment process.

Car park user guidance at all stations

The entry and exit stations serve as information panels for your car park users and as a fallback solution in case the licence plate cannot be recognized due to external influences such as dirt, snow or damage. In this case, short-term users then receive a parking ticket while long-term users fall back on their parking ID, e.g. barcode or RFID card. This customer-friendly system ensures controlled access to the parking area.

Watch the short film on YouTube or at www.hormann.co.uk/media-centre

1

2

Advantages of number plate recognition for Park LIVA

- Number plate used as parking ticket
- Short-term users only need a parking ticket if the number plate is not recognised (e.g. in case of heavy soiling)
- Secure data recording through encrypted transmission
- Cost reduction and environmentally conscious processing by doing away with parking tickets
- Fast processing of short-term and long-term users at entry and exit stations
- Reduced maintenance and follow-up costs
- Convenient parking processing for your customers
- Payment at the automatic pay station by entering the number plate via touch display
- Convenient and simple evaluation via WebControl
- Retrofitting into an existing Hörmann Park LIVA system possible

Optional concession rate system

Parking ticket hole puncher 1
The parking ticket is perforated once for a discount or tariff change.

Remuneration printer “online” 3
The online remuneration printer allows any number of discounts or tariff changes.

Remuneration printer “offline” 2
Two discounts or tariff changes can be made by printing barcodes.

Bonus ticket 4
A bonus ticket is a coupon for the parking fee. The bonus ticket can be used for a discount or tariff change.


1


2


3

4

Everything from a single source for construction and industry

Our large product range offers the right solution for any requirement. All products are optimally adjusted to work together, ensuring high functional safety. This makes us a strong, future-oriented partner for industrial and public construction projects.

INDUSTRIAL DOORS. LOADING TECHNOLOGY. SLIDING DOORS.
CONSTRUCTION PROJECT DOORS. PERIMETER PROTECTION SYSTEMS

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