

NEW
**TGT underground garage door rolling shutters
and rolling grilles**

 **BiSecur**



Door Systems for Collective Garages

Doors, operators and controls from a single source







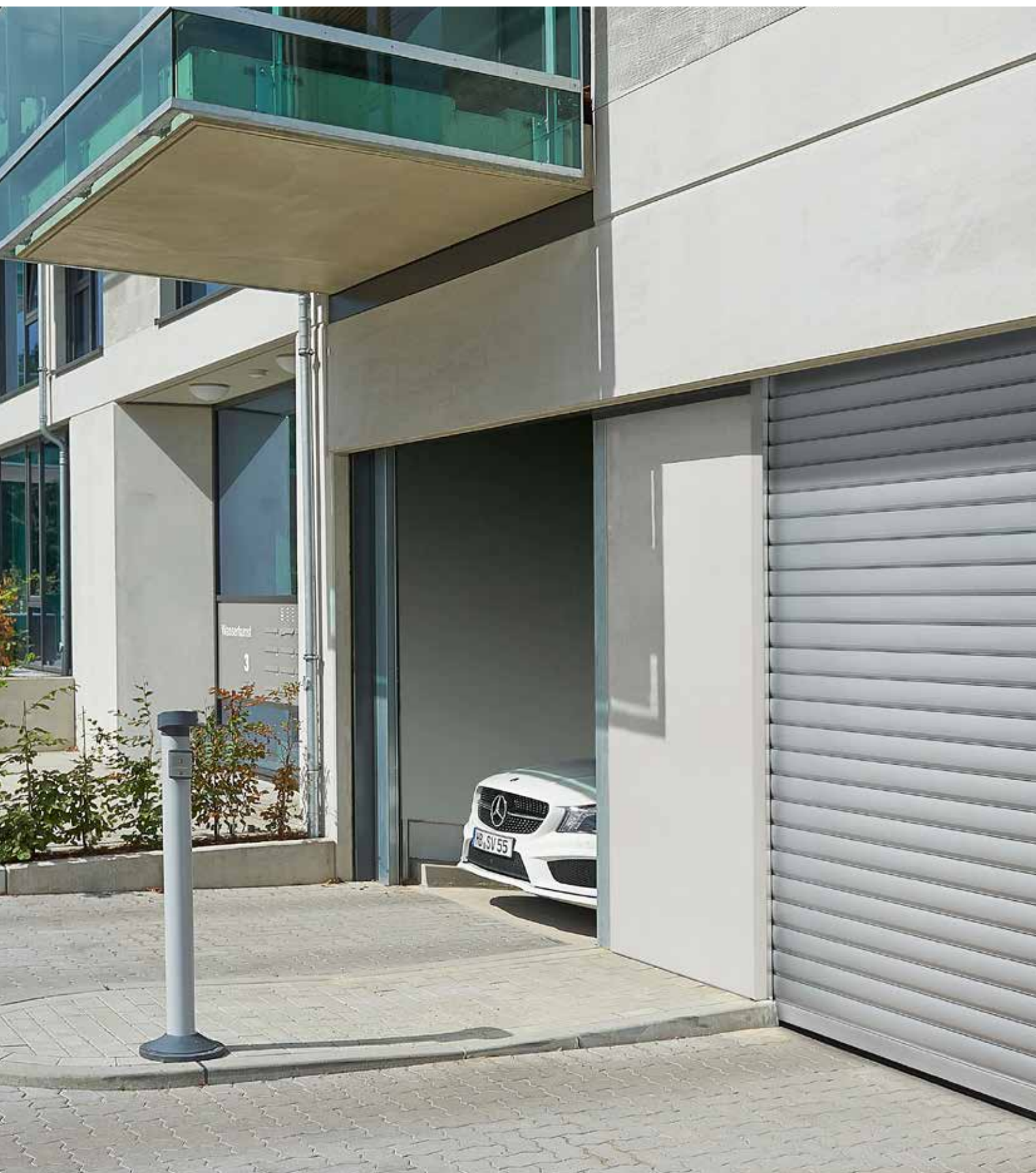
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Subject to changes. Some of the doors shown are special versions and may require approval in individual cases.

Image on left: Marthashof, Berlin

Door systems for collective garages

Hörmann quality doors and operators



Continued increase in mobility

As the need for parking space in cities and urban centres continues to increase, underground and collective garages are becoming more and more important. These garages are often built in mixed-use residential and commercial areas. This requires door systems that are particularly quiet. Compliance with the acoustic rating requirements in accordance with DIN 4109 depends on the acoustic planning and design of the building structure.

Quiet, dependable door travel

Hörmann collective garage door systems are equipped with soft start and soft stop as standard in SupraMatic HT, WA 300 S4 / WA 300 R S4 and frequency-controlled FU operators, making them extremely quiet in all phases of opening and closing.

Everything from a single source

Especially for this purpose, Hörmann offers perfectly matched systems consisting of door, operator and comprehensive accessory programme, which includes everything from key switch posts to warning light systems.

Tested safety unit

With Hörmann door systems, you will benefit from the valuable experience of Europe's leading manufacturer. At Hörmann, the door and operator are always tested and certified as a unit.

Which door and operator system best meets your requirements?

A suitable door, operator and control system is primarily designed by indicating the required cycle number per hour/day. Due to the different construction projects for collective garages (residential buildings, office buildings etc.), the required maximum cycle number must be indicated by the architect/planner during the planning stage. The table below serves as a planning aid for selecting a suitable door system.

Please note that using a timer can significantly reduce door cycles during peak times in particular. With these additional accessories, a more cost-effective system may be available for your requirements. In addition, the service life of your system increases, along with the cycle for wearing part replacement.

Planning aid for collective garages

Door type	Operator	Parking spaces*	Max. door cycles** per		Max. clear passage in mm	
			Day	Hour	Width	Height***
Non-protruding up-and-over door ET 500	SupraMatic HT	Up to 100	300	20	6000	2980
	ITO 400 FU	Over 100	450	30		
Sliding door ST 500	SupraMatic HT	Up to 100	300	20	6000	3000
	ITO 400 FU	Over 100	450	30		
Industrial sectional door	SupraMatic HT****	Up to 100	300	20	7000	3000
	WA 300 S4****	Up to 100	300	20	6000	
	ITO 400 FU	Over 100	450	30	8000	
	WA 400 FU	Over 100	450	30	8000	
TGT underground garage rolling shutter / rolling grille	WA 300 R S4	Up to 100	300	20	5000	2400
High-speed sectional door HS 5015 PU N	Direct drive operator	Over 100	450	50	5000	3000
Up-and-over garage door	Optional	Up to 2	–	–	4840	2660

* The parking spaces information relates to the assumption of 3 door cycles/parking space/day.

** The information refers to the max. passage height. One door cycle consists of one Open / Close phase.

*** Larger door heights on request.

**** A technical inspection is required for maximum door sizes.

Collective garage doors ET 500 and ST 500

Sturdy and dependable, with numerous design possibilities



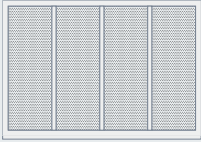
Non-protruding up-and-over door ET 500



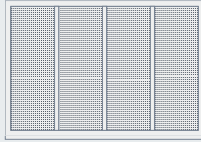
Sliding door ST 500

Design possibilities

Infills on the inside



Style 412 / 432
Round perforated sheet steel
Ventilation cross section:
45 % of infill surface



Style 413 / 433
Square perforated steel sheet
Ventilation cross section:
45 % of infill surface

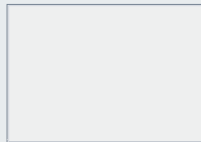


Style 420
Smooth aluminium sheet

Surface-mounted infills



Style 402
Ribbed sheet steel

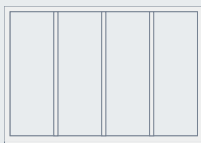


Style 422
Smooth aluminium sheet

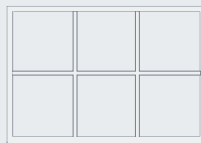


Style 414
Ribbed sheet steel with perforated sheet infill

On-site infills

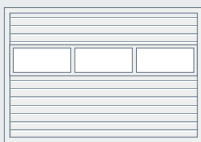


Style 400 (frame)
The frame for internal on-site infill offers endless design possibilities.



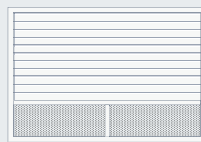
Style 405 (frame)
The frame for on-site surface-mounted cladding offers endless design possibilities.

Section infills on the inside



Style 480
Section infill with expanded mesh-filled aluminium frames
Ventilation cross section:
58 % of the infill surface per frame

Style combination



Style 499
Example with section and perforated sheet infill

Non-protruding up-and-over door ET 500

Quiet, smooth and virtually maintenance-free

Optimum efficiency, permanent functional and personal safety as well as extremely smooth operation, even at high usage frequencies – these are the outstanding features of the ET 500. The low headroom required is ideal for fitting situations with limited space.

Advantages at a glance

- Especially smooth, quiet door travel
- Tested unit of door and operator for a long service life, little wear on the operator, a high level of operational safety and low operating costs
- Door construction designed for over 250,000 door cycles
- No swinging out of the door leaf with fitting behind the opening or with subframe
- Low required headroom, ideal for tight spaces
- Narrow frame construction; the space directly next to the door can be used as a parking space
- Also available with a wicket door
- Integrated photocell in the frame (fitted at the factory)

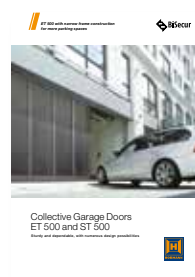
Sliding door ST 500

Suitable for fitting situations without a lintel

The construction of the ST 500 sliding door for collective garages features a low fitting depth and minimum overhead space requirements.

Advantages at a glance

- Particularly smooth, quiet door travel and virtually silent opening and closing
- Tested unit of door and operator for a long service life, little wear on the operator, a high level of operational safety and low operating costs
- Door construction designed for over 250,000 door cycles
- Virtually no loss of useful space near the door area, the garage ceiling is free of suspensions
- Integrated photocell in the frame (fitted at the factory)



For more detailed information about the collective garage doors ET 500 / ST 500, please see the special Hörmann brochure

Industrial sectional doors

Versatile and smooth-running



Space-saving and easy to service

Sectional doors open vertically. This creates space both in front of the door and behind it. With the frame fitted behind the opening, the clear passage of the garage opening can be fully used. This virtually eliminates the danger of damaging your car or the door. And, if damage does occur, sectional doors are very easy to repair. The individual door sections can be quickly and easily replaced. Doors and operators from Hörmann form a tested unit; optimally matched components subjected to long duration testing give you the assurance that your door will perform well in continued use.

Advantages at a glance

- **Smooth, quiet door travel**
- **Tested unit of door and operator for a long service life, little wear on the operator, a high level of operational safety and low operating costs**
- **200,000 door cycles with custom dimensioned torsion springs**
- Ideal if limited space is available
- No swivelling of the door leaf
- Low headroom track application with operator directly on the door and no disruptive elements in the middle of the room
- Very easy to repair thanks to replaceable door sections

Door types/infill variations



SPU F42 / APU F42
Combination of PU-foamed sections and aluminium frame infills



ALR F42
Aluminium frame construction for large ventilation areas



Expanded mesh
Stainless steel
Ventilation cross section: approx. 58 % of the infill surface



Perforated steel sheet
Stainless steel
Ventilation cross section: approx. 40 % of the infill surface



PU sandwich infill
Stucco-textured or smooth and anodised



For more detailed information about industrial sectional doors, please see the special Hörmann brochure

TGT underground garage rolling shutter / rolling grille

The complete solution including operator WA 300 R S4



Robust and space-saving

Rolling shutters and rolling grilles are particularly robust thanks to their simple design. The compact barrel requires little space near the lintel. Exterior fitting is also possible if space is very tight.

Advantages at a glance

- Smooth, quiet door travel
- Tested unit of door and operator for a long service life, little wear on the operator, a high level of operational safety and low operating costs
- Specially dimensioned tension spring assembly for quiet door travel and a long service life of over 200,000 door cycles
- Optional curtain cover prevents dangerous reaching into the barrel.
- Low required headroom
- Fast operator WA 300 R S4 with optimal gear ratio
- Standard power limit in “Open” and “Close” directions provides maximum safety during opening and closing; the installation of a closing edge safety device or lintel trap guard is not required
- Emergency release for simple, quick manual opening of the door. This ensures that entrances and exits can also be used when there is no power.

Reliable tension spring technology



Curtain and operator cover



Curtain variants

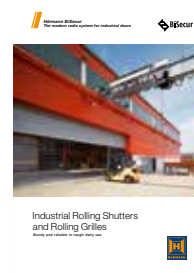


Decotherm A, aluminium
Decotherm S, steel



HG-L, aluminium
Ventilation cross section:
approx. 73 % of the door surface

All curtains are supplied as standard with wind locks or pull-out protection.



For more detailed information on rolling shutter/rolling grille solutions up to 11750 mm width, please see the Industrial rolling shutter and rolling grille brochure

High-speed sectional doors

Technology and design come together

For especially fast door opening



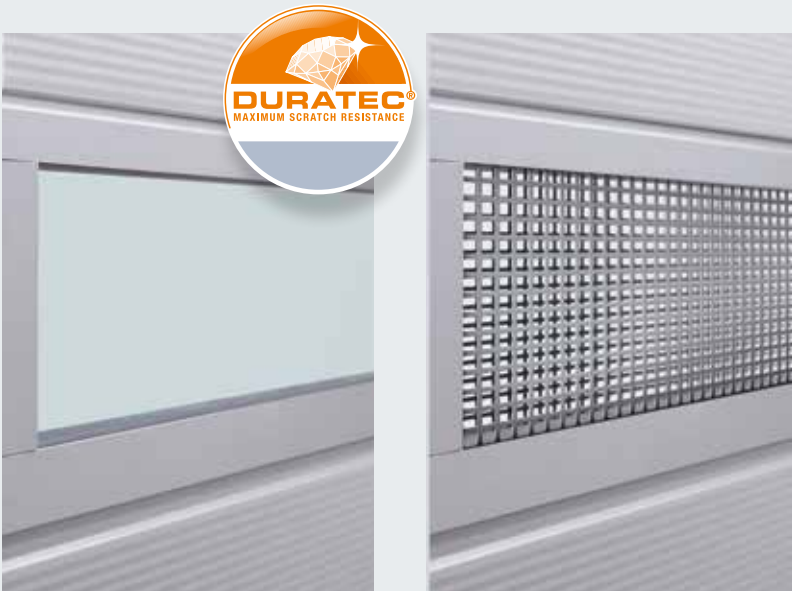
Speed with a top design

The high-speed sectional door with its microprofiled surface enhances the door opening and is also very fast. The combination with the powerful FU operator enables opening speeds of up to 1.5 m/s.

Advantages at a glance

- Smooth, quiet door travel
- Tested unit of door and operator for a long service life, little wear on the operator, a high level of operational safety and low operating costs
- Door construction designed for up to 1 million door cycles
- Elegant microprofiled surface
- No swivelling of the door leaf
- Safety light grille integrated in the frame as standard
- Very easy to fit and service

Curtain variants



High-speed sectional door HS 5015 PU N
Aluminium with synthetic panes

The high-speed sectional door comes in RAL 9006 as standard and optionally in one of over 200 RAL colours.

High-speed sectional door HS 5015 PU N
Aluminium with perforated sections

Ventilation cross section: approx. 30 % per section



For more detailed information about Hörmann high-speed doors, please see the special Hörmann brochure

Up-and-over garage doors

To reliably close off individual parking spaces



Securely locked and optimally ventilated

Up-and-over garage doors are ideally suited for reliably closing off parking spaces in collective garages, due to their sturdy construction. Varied ventilation slot sizes ensure optimum ventilation.

Advantages at a glance

- Optimum ventilation
- Sturdy construction
- Simple and reliable operation (optionally with an operator)

Infill variations



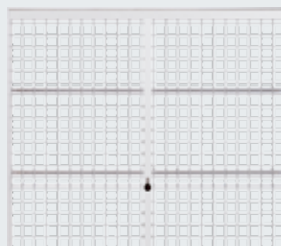
Style 913
Ribbed steel with micro perforated centre sheet
Ventilation cross section:
approx. 20 % of the door surface



Style 914
Ribbed steel with ventilation slots (50 x 50 mm)
Ventilation cross section:
approx. 30 % of the door surface



Style 988
Steel panel with ventilation slots (90 x 90 mm)
Ventilation cross section:
approx. 25 % of the door surface



Style 903 // NEW
Grille door (100 x 100 mm)
Ventilation cross section:
approx. 85 % of the door surface



For more detailed information about up-and-over garage doors, please see the special Hörmann brochure

Individual design options

To match the architectural style and facade





Non-protruding up-and-over door ET 500, style 405,
with on-site cladding, installed flush-fitting

Operator SupraMatic HT

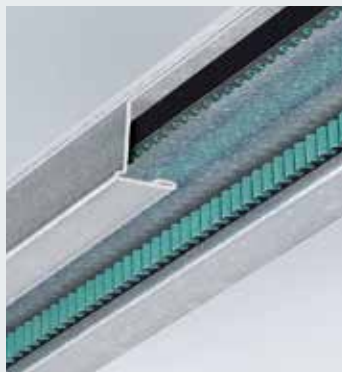
Suitable for up to 100 parking spaces



Operator SupraMatic HT

With the SupraMatic HT, Hörmann provides an operator system that is perfectly suited for collective garage doors. Suited to a maximum of 100 parking spaces, the operator is recommended for collective garages in rental units, hotels and office buildings.

- **Soft start and stop for gentle, quiet door travel**
- Pull and push force 1000 N, brief peak force 1200 N
- Patented door locking in the operator boom with emergency release from inside
- With integrated control electronics including double 7-segment display for simple adjustment of functions directly on the operator
- Optional external control 360 for connecting traffic control, warning lights or additional prints



Quiet toothed belt technology



Optional 360 control

Door types and applications

Non-protruding up-and-over door ET 500

Up to 100 parking spaces,
max. 300 door cycles* per day
Max. 20 door cycles* per hour
Max. door width 6000 mm
Max. door height 3000 mm

Sliding door ST 500

Up to 100 parking spaces,
max. 20 door cycles* per day
Max. door width 6000 mm
Max. door height 3000 mm

Industrial sectional door

Up to 100 parking spaces,
max. 300 door cycles* per day
Max. 20 door cycles* per hour
Max. door width 7000 mm
Max. door height 3000 mm
For normal track application (N) and
low headroom track application (L)

* The information refers to the max. passage height. One door cycle consists of one Open / Close phase.

Shaft operator WA 300 S4

Shaft operator WA 300 R S4

Suitable for up to 100 parking spaces



Door types and applications

Industrial sectional door WA 300 S4

Up to 100 parking spaces,
max. 300 door cycles* per day
Max. 20 door cycles* per hour
 Max. door width 6000 mm
 Max. door height 3000 mm

Underground garage rolling shutter WA 300 R S4

Up to 100 parking spaces,
max. 300 door cycles* per day
Max. 20 door cycles* per hour
 Max. door width 5000 mm
 Max. door height 2400 mm

Underground garage rolling grille WA 300 R S4

Up to 100 parking spaces,
max. 300 door cycles* per day
Max. 20 door cycles* per hour
 Max. door width 5000 mm
 Max. door height 2400 mm

Shaft operator WA 300 S4 / WA 300 R S4

The inexpensive shaft operator is equally suited for doors in underground garages as well as in commercial areas.

- **Soft start and soft stop for gentle and quiet door travel**
- Power limit in "Open" / "Close" directions
- Integrated control with push button DTH R
- No installations or cabling required on the door (except for doors with wicket door)
- Only approx. 1 watt power consumption in stand-by mode (if no other electrical accessories are connected)
- Optional external control 360 (prepared for traffic control)



The maintenance release directly on the operator saves time for statutory annual inspection work and can be converted to a fixed release at any time.

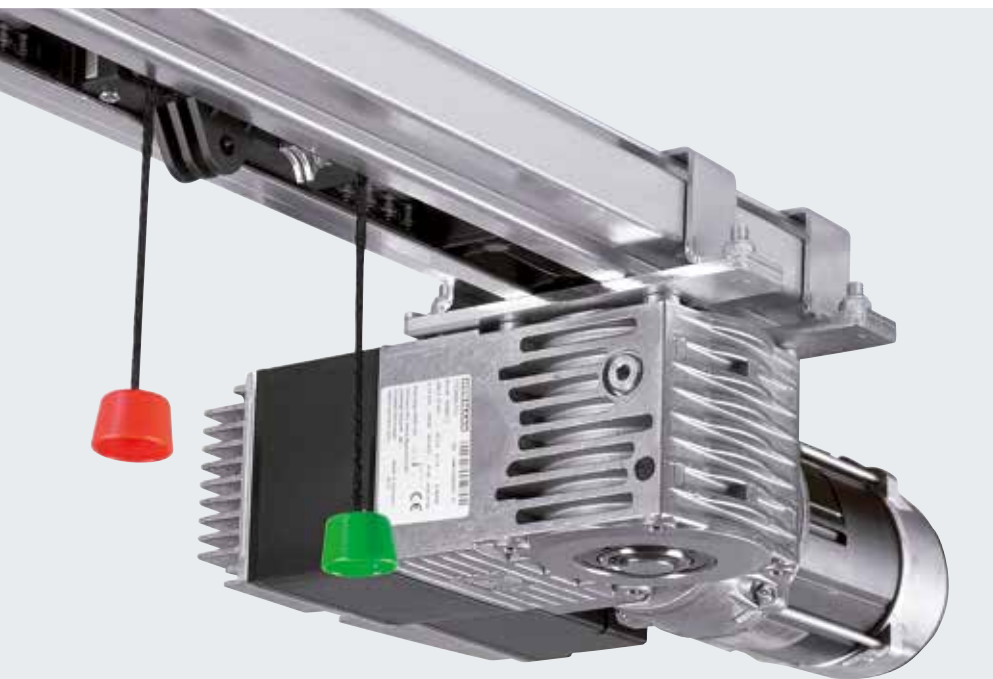


Optional emergency release
 The door can be easily manually opened via an emergency release during a power failure. It is available in versions for inside (see figure) and outside (in a lockable diecast housing).

* The information refers to the max. passage height. One door cycle consists of one Open/Close phase.

Chain drive operator ITO 400 FU

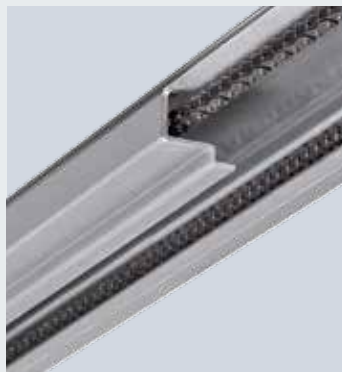
For over 100 parking spaces



Chain drive operator ITO 400 FU

The ITO 400 FU chain drive is particularly suited for doors in high-traffic underground and collective garages as well as in the commercial sector.

- **Soft start and stop for gentle, quiet door travel**
- Emergency release via Bowden cable
- Jet-water protection for operator and control (IP 65)
- Settings on a separate control B 460 FU via a control panel
- Expandable through additional units (activating kits for warning lights, traffic control)



Robust operator boom and control chain designed for high loads.



The menu for control B 460 FU allows you to quickly set, for example, hold-open phases and visual indicators for traffic lights.

Door types and applications

Non-protruding up-and-over door ET 500

**Over 100 parking spaces,
max. 450 door cycles* per day
Max. 30 door cycles* per hour**
Max. door width 6000 mm
Max. door height 3000 mm

Sliding door ST 500

**Over 100 parking spaces,
max. 450 door cycles* per day
Max. 30 door cycles* per hour**
Max. door width 6000 mm
Max. door height 3000 mm

Industrial sectional door

**Over 100 parking spaces,
max. 450 door cycles* per day
Max. 30 door cycles* per hour**
Max. door width 8000 mm
Max. door height 3000 mm
For normal track application (N) and
low headroom track application (L)

* The information refers to the max. passage height. One door cycle consists of one Open/Close phase.

Shaft operator WA 400 FU

For over 100 parking spaces



Door types and applications

Industrial sectional door

Over 100 parking spaces,
max. 450 door cycles* per day
Max. 30 door cycles* per hour
Max. door width 8000 mm
Max. door height 3000 mm

Shaft operator WA 400 FU

The powerful shaft operator is equally suited for doors in high-traffic underground and collective garages, as well as in commercial areas.

- **Soft start and soft stop for gentle and quiet door travel**
- Versions: for flanging, with chain box and for central mounting
- Standard maintenance release
- Optional fixed release for simple emergency release from the floor
- Control B 460 FU as standard
- Expandable through additional units (activating kits for warning lights, traffic control)



The maintenance release directly on the operator saves time for statutory annual inspection work and can be converted to a fixed release at any time.



The optional leading photocell provides maximum security according to DIN 12453.

* The information refers to the max. passage height. One door cycle consists of one Open / Close phase.

Accessories

Radio controls, receivers



Only from Hörmann

PATENT PENDING

Hörmann BiSecur (BS)

The modern radio system for collective garage door operators

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

Your advantages

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



5-button hand transmitter HS 5 BS
With additional button for querying the door position, high-gloss black or white, with chrome caps

5-button hand transmitter HS 5 BS
With additional button for querying the door position, black textured surface, with chrome caps

4-button hand transmitter HS 4 BS
High-gloss black, with chrome caps

1-button hand transmitter HS 1 BS
High-gloss black, with chrome caps



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

2-button hand transmitter HSE 2 BS
High-gloss black or white, with chrome caps

2-button hand transmitter HSE 2 BS
Black textured surface with chrome or plastic caps

1-button hand transmitter HSE 1 BS
High-gloss black, with chrome caps



**Industrial hand transmitter
HSI BS**

To control up to 1000 doors, with a display and extra-large quick selection buttons for easier operation with work gloves, transferring of hand transmitter coding to other devices possible.



**Radio code switch
FCT 3 BS**

With illuminated buttons
3 function codes



**Radio code switch
FCT 10 BS**

With illuminated buttons and protective cover,
10 function codes



**Radio finger-scan
FFL 12 BS**

2 function codes
and up to 12 fingerprints



**1-channel relay receiver
HER 1 BS**

With volt-free relay output



**2-channel relay receiver
HER 2 BS**

With 2 volt-free relay outputs
and external antenna



**4-channel relay receiver
HER 4 BS**

With 4 volt-free relay outputs



**3-channel receiver
HEI 3 BS**

For controlling 3 functions



Collective garage receiver SGE

Incl. PC software for easy management of coding for up to 1000 hand transmitters, with 2 volt-free relay outputs, incl. SD card, in separate housing, protection category IP 65, operating voltage 24 V DC, protected against incorrect polarity.

Accessories

Push buttons



Push button DTH R

For separate control of both operational directions, with separate stop button.

Dimensions:
90 × 160 × 55 mm (W × H × D)
Protection category: IP 65



Push button DTH RM

For separate control of both operational directions, with separate stop button and miniature lock: operator is deactivated. The operator can no longer be actuated (2 keys included in the scope of delivery).

Dimensions:
90 × 160 × 55 mm (W × H × D)
Protection category: IP 65



Push button DTH I

To move the door into the Open / Close positions, separate stop button to stop door travel, 1/2-open button to open the door up to the programmed intermediate travel limit.

Dimensions:
90 × 160 × 55 mm (W × H × D)
Protection category: IP 65



Push button DTH IM

To move the door into the Open / Close positions, separate stop button to stop door travel, 1/2-open button to open the door up to the programmed intermediate travel limit, with miniature lock: operator is deactivated. The operator can no longer be actuated (2 keys included in the scope of delivery).

Dimensions:
90 × 160 × 55 mm (W × H × D)
Protection category: IP 65



Push button DT 02

Open or close via a command button, separate stop button.

Dimensions:
65 × 112 × 68 mm (W × H × D)
Protection category: IP 65



Push button DT 03

For separate control of both operational directions, with separate stop button.

Dimensions:
66 × 155 × 85 mm (W × H × D)
Protection category: IP 65



Push button DT 04

For separate control of both operational directions, with separate stop button, full or partial door opening (via separate button).

Dimensions:
69 × 185 × 91 mm (W × H × D),
Protection category: IP 65



Push button DTN A 30

For separate control of both operational directions. The stop button is a push-to-lock button which, once pressed, stays depressed in order to prevent unauthorised operation. Subsequent operation is then only possible once the stop button has been unlocked with a key (2 keys included in the scope of delivery).

Dimensions:
66 × 145 × 85 mm (W × H × D)
Protection category: IP 65

Accessories

Push buttons, key switches, pull switch, key switch post



Push button DTP 02

Open or close via a command button, separate stop button and operation control light for control voltage, lockable with profile half cylinder (available as an accessory).

Dimensions:
86 × 260 × 85 mm (W × H × D)
Protection category: IP 44



Push button DTP 03

For separate control of both operational directions, separate stop button and operation control light for control voltage, lockable with profile half cylinder (available as an accessory).

Dimensions:
68 × 290 × 74 mm (W × H × D)
Protection category: IP 44



Emergency-off button DTN 10

To quickly immobilise the door, push-to-lock button (mushroom button), surface-mounted.

Dimensions:
93 × 93 × 95 mm (W × H × D)
Protection category: IP 65



Emergency-off button DTNG 10

To quickly immobilise the door, oversized push-to-lock mushroom button, surface-mounted.

Dimensions:
93 × 93 × 95 mm (W × H × D)
Protection category: IP 65

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



Key switch ESU 30 with 3 keys

Recessed version, Impulse or Open/Close function selectable. Dimensions of switch box: 60 mm (d), 58 mm (D) Dimensions of cover: 90 × 100 mm (W × H), Wall recess: 65 mm (d), 60 mm (D).

Dimensions:
73 × 73 × 50 mm (W × H × D)
Protection category: IP 54

Surface-mounted version ESA 30 (not shown).



Key switch STUP 30 with 3 keys

Recessed version, Impulse or Open/Close function selectable. Dimensions of switch box: 60 mm (d), 58 mm (D) Dimensions of cover: 80 × 110 mm (W × H) Wall recess: 65 mm (d), 60 mm (D).

Dimensions:
80 × 110 × 68 mm (W × H × D)
Protection category: IP 54

Surface-mounted version STAP 30 (not shown).



Pull switch ZT 2 with cord

Impulse generation to open or close the door. Dimensions: 60 × 90 × 55 mm (W × H × D) Pull cord length: 3.2 m Protection category: IP 65

Cantilever arm KA1 (not shown) Extension 1680 – 3080 mm. Can be used with ZT 2.



Key switch post STS 1

With adapter for fitting TTR 100, FCT 10 b, CTR 1b / CTR 3b or STUP. The command units must be ordered separately. The post is anodised aluminium (natural finish). Top and bottom end of post in Slate grey, RAL 7015.

Dimensions:
300 mm (d), 1250 mm (H)
Protection category: IP 44

Version with fitted key switch STUP 30 (accessory).

Accessories

Code switches



Code switch CTR 1b, CTR 3b

The code switches CTR 1b and CTR 3b offer a high level of security against unauthorised opening. Simply enter your personal code; a key is no longer required.

The CTR 3b comfort version allows you to open a second door and switch on the outside lighting or operate a door in your choice of direction.

Dimensions:

80 × 110 × 17 mm (W × H × D),

Decoder housing:

140 × 130 × 50 mm (W × H × D)

Keypad protection category: IP 65,

Decoder protection category: IP 54,

Switching capacity: 2.5 A / 30 V DC

500 W / 250 V AC



Code switch CTV 1, CTV 3

The code switches are especially robust and protected against vandalism. To operate, you enter your own personal code – no key is needed.

The CTV 3 comfort version allows you to open a second door and switch on the outside lighting or operate a door in your choice of direction.

Dimensions:

75 × 75 × 13 mm (W × H × D),

Decoder housing:

140 × 130 × 50 mm (W × H × D)

Keypad protection category: IP 65

Decoder housing protection category: IP 54

Switching capacity: 2.5 A / 30 V DC

500 W / 250 V AC



Finger-scan FL 12, FL 100

A fingerprint is enough to securely and conveniently open your industrial sectional door. The finger-scan is available in two versions, as an FL 12 or FL 100 to store 12 or 100 fingerprints, respectively.

Dimensions:

80 × 110 × 39 mm (W × H × D)

Decoder housing:

70 × 275 × 50 mm (W × H × D)

Reader protection category: IP 65

Decoder housing protection category: IP 56

Switching capacity: 2.0 A / 30 V DC



Transponder key switch TTR 100, TTR 1000

The convenient solution when several persons require access to the building. You simply hold the transponder key with your personal security code approx. 2 cm in front of the reader. A non-contact system!

A major benefit in the dark. 2 keys are included. Suitable for max.

100 transponder keys (TTR 100) or 1000 transponder keys (TTR 1000).

Dimensions:

80 × 110 × 17 mm (W × H × D),

Decoder housing:

140 × 130 × 50 mm (W × H × D)

Transponder pad protection category: IP 65

Decoder housing protection category: IP 54

Switching capacity: 2.5 A / 30 V DC

500 W / 250 V AC

Accessories

Activating kits, LED warning lights



Warning lights with bright, long-lasting LEDs



Multi-function circuit board for fitting in an existing housing or optionally in a separate extension housing (fig.)

Limit switch reporting, momentary impulse, collective malfunction signalling, extension unit for controls 360, A / B 445, A / B 460, B 460 FU.

Dimensions of additional housing:
202 × 164 × 130 mm (W × H × D)
Protection category: IP 65
A circuit board can be optionally mounted in the control.



Digital weekly timer in a separate additional housing

The timer can switch command units on and off via a volt-free contact. Extension unit for controls A / B 460, B 460 FU, 360 (without additional housing, for fitting in existing housing), switching capacity: 230 V AC 2.5 A / 500 W, can be switched over to summer/winter time, manual switching: automatic operation, switching preselection permanently ON/OFF.

Dimensions of additional housing:
202 × 164 × 130 mm (W × H × D)
Protection category: IP 65



Summer / winter activating kit in an additional housing

Function for full opening of door and individually programmable intermediate travel limit, extension unit for controls A / B 460, B 460 FU.

Dimensions of additional housing:
202 × 164 × 130 mm (W × H × D)
Protection category: IP 65



Activating kit for warning lights for fitting in an existing housing or optionally in a separate extension housing (fig.), incl. 2 yellow warning lights

Extension unit for controls 360, A / B 445, A / B 460, B 460 FU. The activating kit for warning lights serves as a visual indicator while the door is moving (weekly timer, optionally for 360, A / B 460, B 460 FU). Applications: approach warning (for 360, A / B 445, A / B 460, B 460 FU), automatic timer (for 360, A / B 460, B 460 FU). After the set hold-open phase has elapsed (0 – 480 s), the warning lights flash during the set pre-warning phase (0 – 70 s).

Traffic light dimensions: 180 × 250 × 290 mm (W × H × D)
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D)
Contact load: 250 V AC: 2.5 A / 500 W
Protection category: IP 65



Traffic control in a separate additional housing (A / B 460, B 460 FU) or for fitting in an existing housing (360) incl. 2 red / green warning lights

Extension unit for controls 360, A / B 460, B 460 FU The activating kit for warning lights serves as a visual indicator for regulating the entrance and exit (optional weekly timer). Duration of the green phase: Adjustable from 0 – 480 s
Duration of clearance phase: Adjustable from 0 – 70 s.

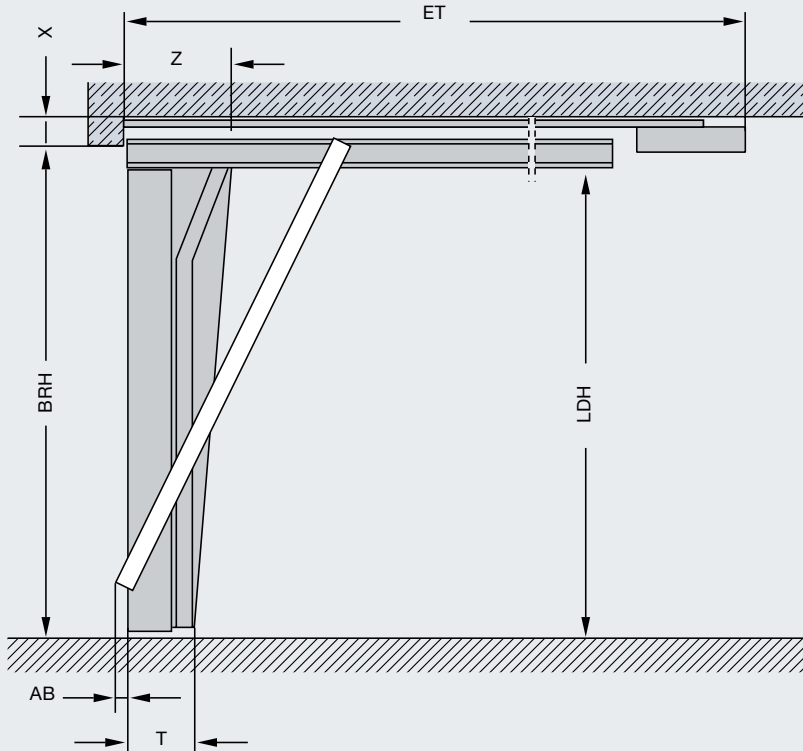
Traffic light dimensions: 180 × 410 × 290 mm (B × H × T)
Dimensions of additional housing: 202 × 164 × 130 mm (W × H × D)
Contact load: 250 V AC: 2.5 A / 500 W
Protection category: IP 65

Technical data

Non-protruding up-and-over door ET 500

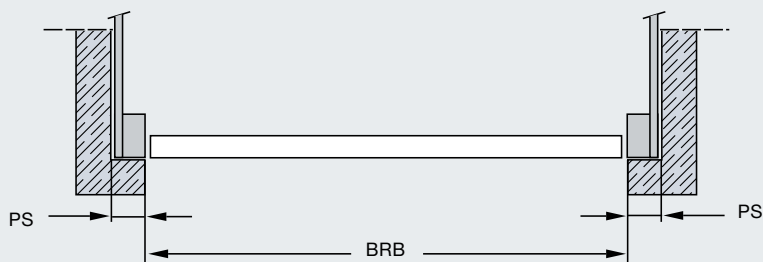
Vertical view

Fitting behind the opening



Horizontal view

Fitting behind the opening



Size range

Infills at the factory

Max. width	6000
Max. height	3000

On-site infills

Max. width	6000
Max. height	3000

Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
ET	Distance back with operator
X	Required headroom
PS	Side space requirement
Z/T	Frame depth
AB	Swinging range
BRB	Nominal width (ordering size)
BRH	Nominal height (ordering size)
AB	Swinging range

Clear passage width LDB = BRB

Clear passage height LDH

BRB < 4500	= BRH - 20
BRB ≥ 4500	= BRH - 60
with wicket door	= BRH - 70

Distance back with operator ET

SupraMatic HT

BRH 2000 - 2250	3200
BRH 2255 - 2500	3450
BRH 2505 - 3000	4125

ITO 400 FU

BRH 2000 - 2700	3840
BRH 2705 - 3000	4840

Required headroom X*

SupraMatic HT / ITO 400 FU

Fitting behind the opening	100 / 120
with wicket door	100 / 120
With surface-mounted infill	y + 100 / + 120
Fitting in the opening	120 / 140
with wicket door	120 / 140
With surface-mounted infill	y + 120 / + 140

Y = Thickness of surface-mounted infill

Side space requirement PS*

ET 500 L	> 140
ET 500 S	> 250

Frame depth Z / T

ET 500 L	450 / 295
ET 500 S	400 / 245

Swinging range AB with flush-fitting installation

ET 500 L	35
ET 500 S	40

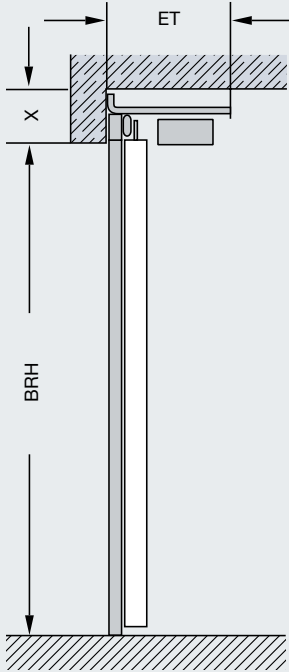
* An optional subframe is available for fitting situations without a lintel and/or sideroom.

Technical data

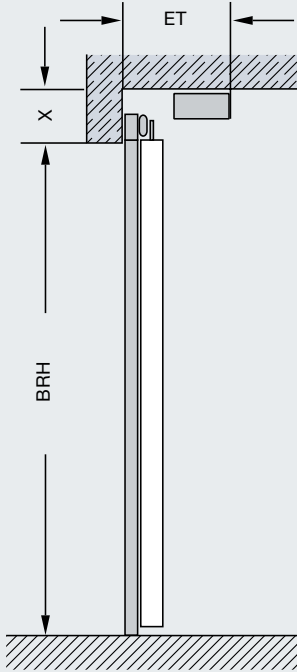
Sliding door ST 500

Vertical view

Fitting behind the opening
Lintel fixing



Ceiling fixing



Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
ET	Fitting depth
X	Required headroom
BRB	Nominal width (ordering size)
BRH	Nominal height (ordering size)

Clear passage width LDB = BRB - 60

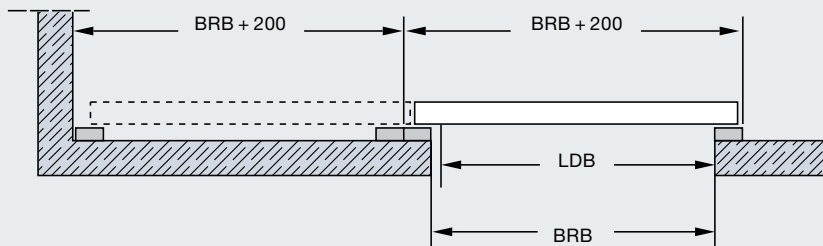
Clear passage height LDH = BRH

Fitting depth ET > 450

Required headroom X with lintel fixing > 200

Horizontal view

Fitting behind the opening



Size range

Infills at the factory

Max. width	6000
Max. height	3000

On-site infills

Max. width	6000
Max. height	3000

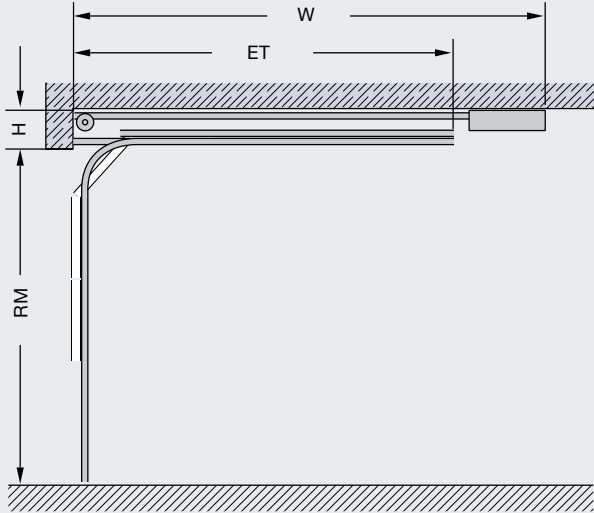
For additional sizes and equipment options, please see the product brochures and the technical manual.

Technical data

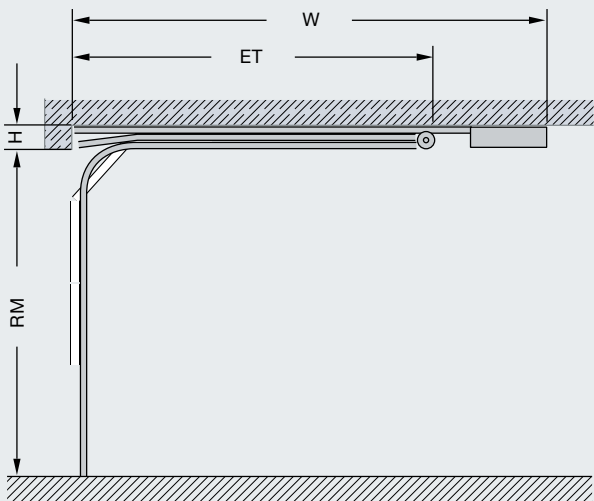
Industrial sectional doors

Vertical view

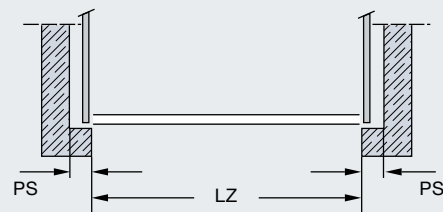
Sectional door with track application N



Sectional door with track application L



Horizontal view



Size range

Max. width	8000
Max. height	3000

Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
ET	Distance back
W	Distance back with operator
H	Required headroom
PS	Side space requirement
LZ	Clear frame dimensions (ordering size)
RM	Grid height (ordering size)

Clear passage width LDB = LZ

Clear passage height LDH

Track application N

LZ < 5500 = RM

LZ > 5500 = RM - 50

Track application L

LZ < 5500 = RM - 50

LZ > 5500 = RM - 100

Distance back with operator W

SupraMatic HT

Track application N

RM 3000 - 2500 4125

RM 2375 - 2250 3450

RM 2125 - 1875 3200

Track application L

RM 3000 - 2875 4375

RM 2750 - 2250 4125

RM 2125 - 1875 3450

ITO 400 FU

Track application

N/L

RM 3000 - 2625 4850

RM 2500 - 1875 3850

Required headroom H

SupraMatic HT / ITO 400 FU

Track application N 390

Track application L 260

WA 300 S4 / WA 400 FU

Track application N 390

Track application L 200

Side space requirement PS

> 125

With operator WA 300 S4 > 200

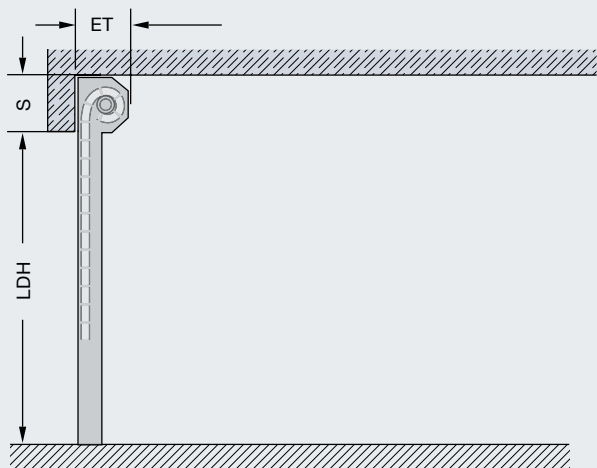
With operator WA 400 FU > 200

For additional sizes and equipment options, please see the product brochures and the technical manual.

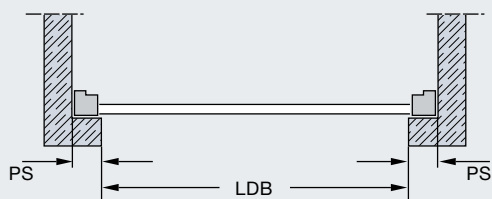
Technical data

Rolling shutters TGT / rolling grilles TGT

Vertical view



Horizontal view



Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
ET	Fitting depth
SB	Required headroom
PS	Side space requirement

Clear passage width LDB = door width (ordering size)

Clear passage height LDH = door height (ordering size)

Fitting depth ET

Decotherm 370
With PVTGT 620

HG-L 370
With PVTGT 600

Required headroom S for full passage height

Decotherm
Door height 2400 365
Door height 2250 360
Door height 2000 355
With PVTGT 380

HG-L

Door height 2400 335
Door height 2250 330
Door height 2000 325
With PVTGT 350

Side space requirement PS 165

All dimensions also apply to fitting as an external rolling shutter.

Size range

Max. width	5000
Max. height	2400

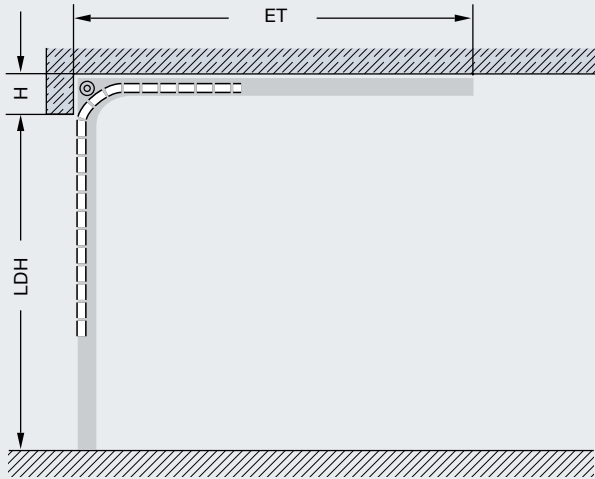
Dimensions in mm

For additional sizes and equipment options, please see the product brochures and the technical manual.

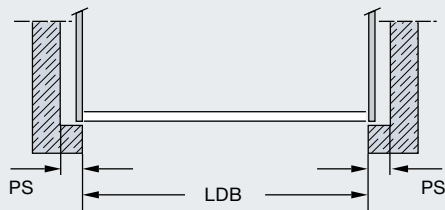
Technical data

High-speed sectional door HS 5015 PU N

Vertical view



Horizontal view



Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
ET	Distance back
H	Required headroom
PS	Side space requirement

Clear passage width LDB = door width (ordering size)

Clear passage height LDH = door height (ordering size)

Fitting depth ET
 $H = 480 > LDH + 520$
 $H = 750 > LDH + 250$

Required headroom H
 for full passage height 480 – 750

Side space requirement PS
 Bearing side 365
 Operator side 535

Size range

Max. width	5000
Max. height	3000

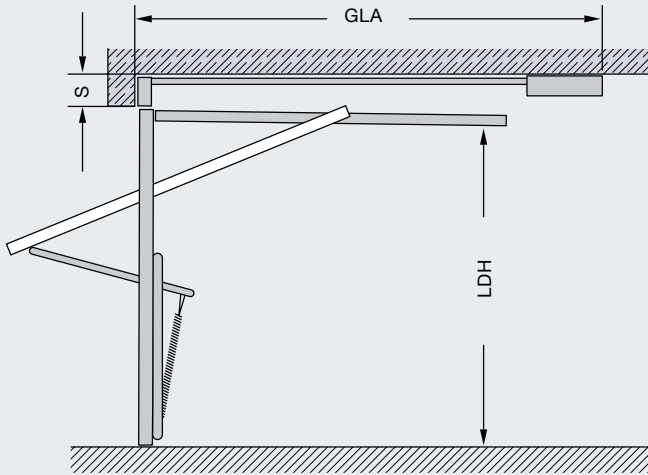
For additional sizes and equipment options, please see the product brochures and the technical manual.

Technical data

Up-and-over garage doors

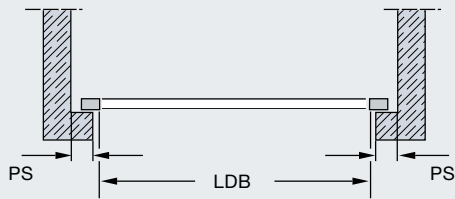
Vertical view

Fitting behind the opening



Horizontal view

Fitting behind the opening



Explanation of dimensions

LDB	Clear passage width
LDH	Clear passage height
GLA	Distance back with operator
S	Required headroom
PS	Side space requirement

Clear passage width LDB = BRB - 140

Clear passage height LDH = BRH - 90

Distance back with operator GLA

BRH < 2500 3200

BRH < 2750 3450

Required headroom S > 50

Side space requirement PS > 60

Size range

Max. width	5000
Max. height	2750

Dimensions in mm

For additional sizes and equipment options, please see the product brochures and the technical manual.

Hörmann product range

Everything from a single source for your construction project

1 Sectional doors

These space-saving door systems can be adapted to different industrial facilities using various track applications. Hörmann offers you tailored solutions for every application.

2 Rolling shutters and rolling grilles

Thanks to a simple construction with just a few components, rolling shutters are both economical and sturdy. Hörmann supplies rolling shutters in widths and heights of up to 11.75 m and 9 m respectively, or as special doors which are even larger.

3 High-speed doors

Hörmann high-speed doors are used both inside and as exterior doors to optimise the flow of traffic, improve room conditions and save energy. The Hörmann programme includes vertically and horizontally opening transparent doors with flexible curtains.

4 Loading technology

Hörmann offers you complete loading systems for the logistics sector. The advantages: reliable planning, dependable execution of construction work and high functionality thanks to precisely matched components.

5 Fire and multi-purpose sliding doors

Hörmann can provide you with single or double-leaf sliding door solutions suitable for all areas and required fire protection classes, or without fire protection.

6 Multi-function doors and reinforced internal doors

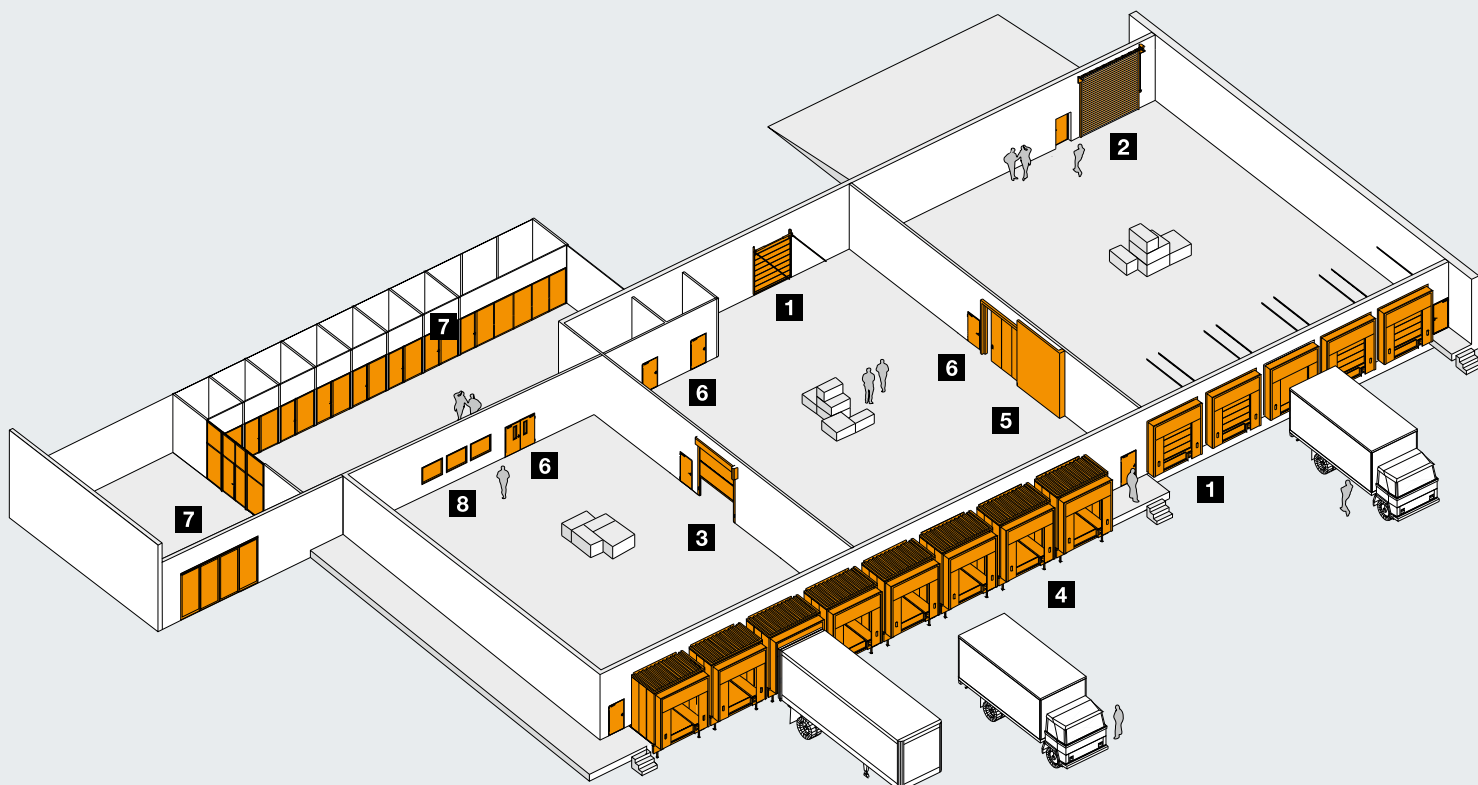
Hörmann multi-function doors and reinforced internal doors are suitable for indoor and outdoor use. Our single and double-leaf doors can be used wherever robust door elements are required. With numerous additional functions, such as fire and smoke protection, acoustic insulation or burglar protection.

7 Box frame parts

For areas in which appearance is important, such as administrative buildings, Hörmann offers you fire and smoke protection doors as well as steel and aluminium fixed glazing and automatic sliding doors, also suited for special fire protection requirements.

8 Visibility windows

Hörmann visibility glazings are used as windows or room-high elements to provide more light and better visibility.





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: 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 Ichtshausen, Germany



Hörmann KG Werne, Germany



Hörmann Genk NV, Belgium



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

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”.

GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES

