

NEW
*ET 500 with narrow frame construction
for more parking spaces*

 **BiSecur**



Collective Garage Doors ET 500 and ST 500

Sturdy and dependable, with numerous design possibilities







Made in Germany

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Quiet, smooth-running and maintenance-free

Optimum cost-effectiveness, long-term functional reliability as well as extremely quiet operation, even at high frequencies, are some of the most prominent features of these collective garage doors. The maintenance-free door construction opens and closes easily, quietly and safely.

Number of parking spaces

Up to 100 parking spaces and max. 300 door cycles (Open / Close) per day with the SupraMatic HT operator. For more parking spaces or door cycles, we recommend the ITO 400 FU operator.

Advantages at a glance

- **Smooth, very 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 at least 250,000 door cycles**
- **Low required headroom, ideal for tight spaces**
- **Galvanized, powder-coated door leaf in RAL 9006, in 16 preferred colours and over 200 RAL colours available on request**
- **Also available with wicket door and side door**
- **Non-protruding up-and-over door ET 500 and sliding door ST 500 in matching designs**

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Non-protruding up-and-over door ET 500 with wear-free counter weight technology



Selecting a Hörmann collective garage door ET 500 is a decision for the future. A decision for safety, durability and low maintenance costs for years to come.

NEW

ET 500 with narrow frame construction for more parking places



[1] No swinging out of the door leaf

- when fitting behind the opening
- when fitting with door frame

[2] Narrow frame construction

- Due to the limited frame depth of only 450 mm (ET 500 L) or max. 400 mm (ET 500 S), the room directly next to the door can also be used as a parking space.

[2] Compact fitting dimensions

- Only 100 mm required headroom in combination with the SupraMatic HT operator; only 120 mm required headroom in combination with the ITO 400 FU operator
- only 140 mm (ET 500 L) sideroom required or 250 mm (ET 500 S)
- minimum distance back for more ceiling space

[3] Sturdy construction

- Highly cost-effective thanks to long-lasting product quality
- Door construction designed for at least 250,000 door cycles
- Practically maintenance-free based on low-wear counter weight technology

[3] Quiet door travel

- Door opens and closes quietly
- Precise roller guiding in the track, no “wobbling” of the door leaf

[3] Exemplary safety

- Double cables prevent the door leaf from falling
- Finger trap protection on the side and bottom edges through a safety clearance between the door leaf and building structure
- Special EPDM bottom profile shape optimally seals the closing edge

[3] Integrated photocell in the frame

- Pre-assembled at the factory, 2-wire one-way photocell with pre-fitted cable for easy installation on the operator

Sliding door ST 500 for limited fitting depths



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



[1]



[1] Especially space saving

- Virtually no loss of useful space near the door area, the garage ceiling is free of suspensions
- Only approx. 450 mm fitting depth (incl. operator)
- Door frame included as standard
- Suitable for fitting situations without a lintel

[2] Quiet, safe door travel

- Double track rollers in the upper guide rail
- Guide rollers with ball-bearings at the floor
- Reliable stop in the parking area
- Smooth, quiet door travel and virtually silent opening and closing

[2]



[3] Exemplary safety

- Safety profiles at the inlet and the closing edge of the door as a standard feature
- Photocell in the door opening as a standard feature

[3]



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

Design possibilities

With internal infills

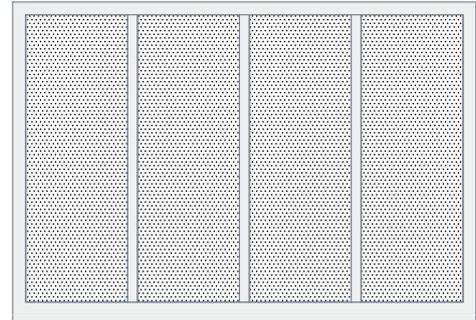
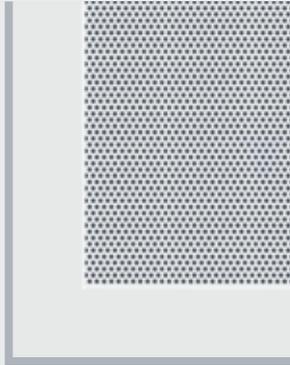
See page 13
for available colours



Styles 412 and 432 Perforated sheet infill with round recesses

The standard version with the best ventilation cross section is available in two versions, with perforated steel or aluminium sheet.

Max. door width 6000 mm
Max. door width with wicket door 6000 mm

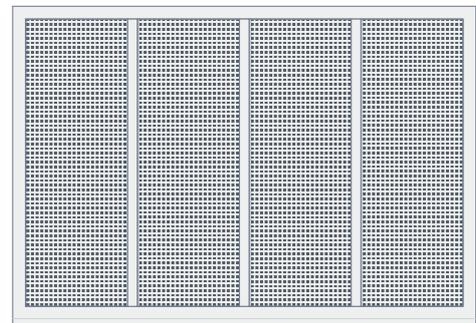
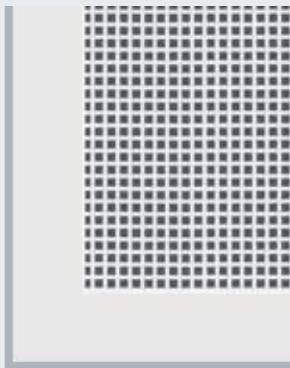


Style 412, perforated sheet steel, round
Ventilation cross section: 45% of infill surface

Styles 413 and 433 Perforated sheet infill with square recesses

Best ventilation cross section in two versions, with perforated steel or aluminium sheet.

Max. door width 6000 mm
Max. door width with wicket door 6000 mm

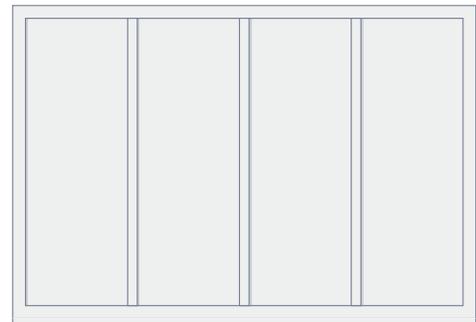
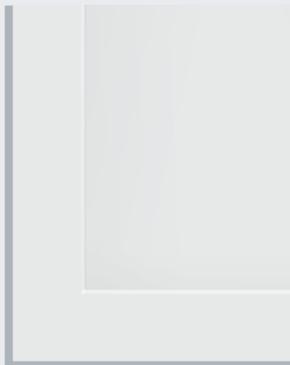


Style 413, perforated sheet steel, square
Ventilation cross section: 45% of infill surface

Style 420 Aluminium sheet infill inside the frame

The infill with smooth aluminium sheet is available in a sheet thickness of 2 mm.

Max. door width 6000 mm
Max. door width with wicket door 5500 mm

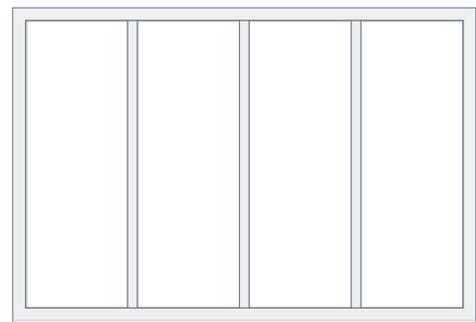


Style 420, smooth aluminium sheet

Style 400 Frames for on-site infill inside the frame

On-site infills offer endless individual design possibilities. This enables an optimum integration of the door in planned or existing facade designs. Information on max. infill weight can be found on page 25.

Max. door width 6000 mm
Max. door width with wicket door 6000 mm



Style 400, for on-site infill inside the frame, with vertical struts
Figure left shows example of on-site infill.

Design possibilities

With internal section infills

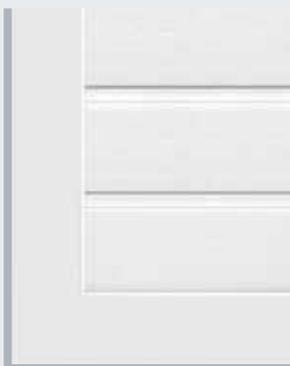
See page 13
for available colours



Style 480 Section infill

The section design (42 mm thick) matches Hörmann sectional doors.

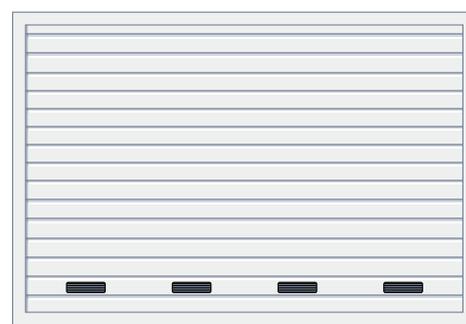
Max. door width 5500 mm
Max. door width with wicket door 5000 mm



Style 480, section infill

Style 480 Section infill with ventilation grilles

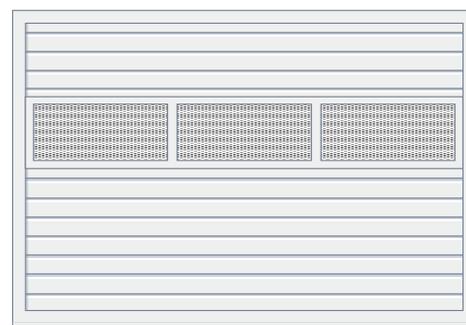
The sections can be provided with up to 18 plastic ventilation inserts.



Style 480, section infill with ventilation grilles
Ventilation cross section: 40 cm²/grille

Style 480 Section infill with aluminium frames and expanded mesh infill

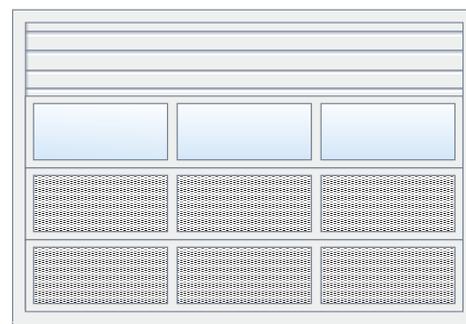
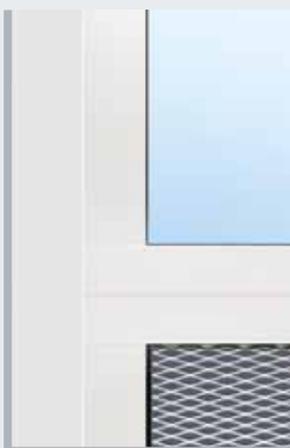
Perforated sheet infills or glazing infills can be used in the aluminium frames in addition to the expanded mesh.



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

Style 480 Section infill with three aluminium frames and expanded mesh infill

For better ventilation, you can also receive multiple expanded meshes. Or you can combine ventilation with a glazing frame.



Style 480, section infill with three frames, two with expanded mesh, one with glazing

Design possibilities

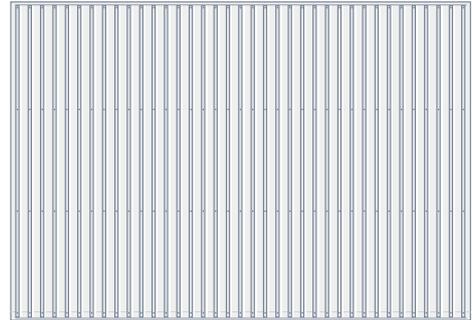
With surface-mounted infills

Style 402

Surface-mounted ribbed sheet steel

The surface-mounted ribbed sheet infill with 0.5 mm sheet thickness matches the up-and-over garage door style 902.

Max. door width 6000 mm



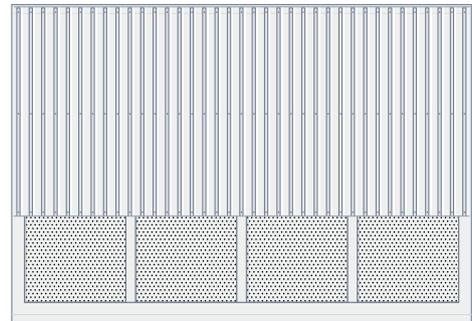
Style 402, ribbed sheet steel

Style 414 // NEW

Surface-mounted ribbed sheet steel with perforated sheet infill

The infill with surface-mounted steel sheet is available in a sheet thickness of 0.5 mm. The perforated sheet infill with round or square recesses is available at the top or bottom.

Max. door width 6000 mm



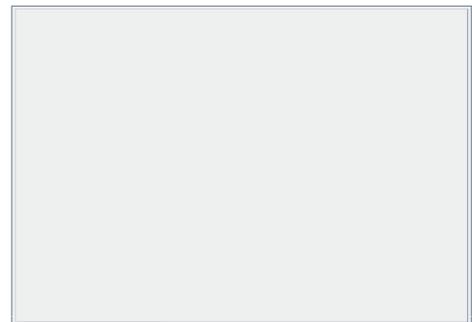
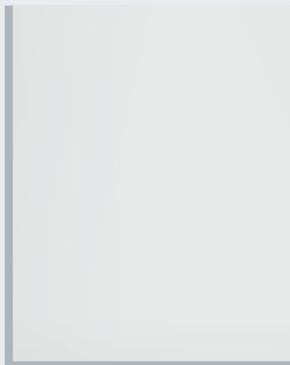
Style 414, ribbed sheet steel with perforated sheet infill

Style 422

Surface-mounted aluminium sheet covering the entire area

The infill with surface-mounted, smooth aluminium sheet is available in a sheet thickness of 2 mm.

Max. door width 6000 mm
Max. door width with wicket door 5500 mm



Style 422, smooth aluminium sheet

Style 405

Frames for on-site, surface-mounted cladding

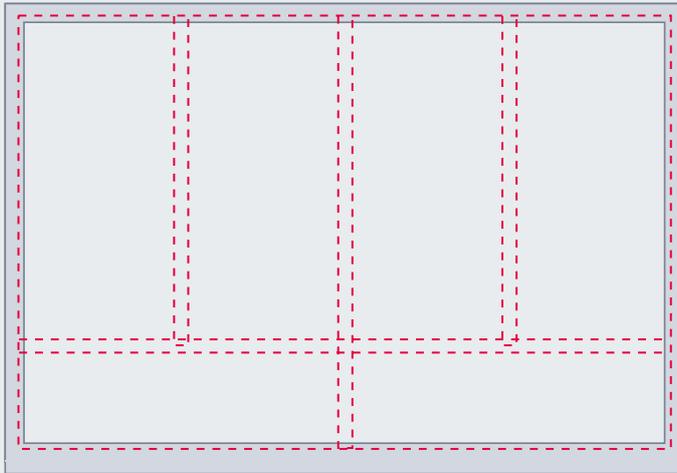
On-site infills offer endless individual design possibilities. This enables an optimum integration of the door in planned or existing facade designs. Information on max. infill weight can be found on page 25.

Max. door width 6000 mm
Max. door width with wicket door 5000 mm



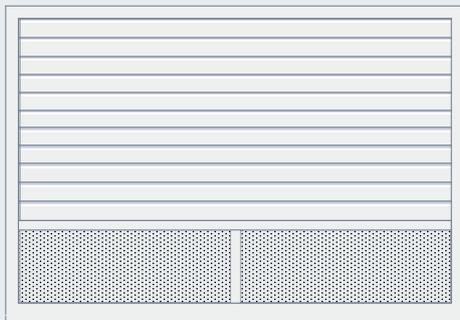
Style 405, frame for surface-mounted cladding
Figure left shows example of on-site infill.

Design possibilities by combining styles

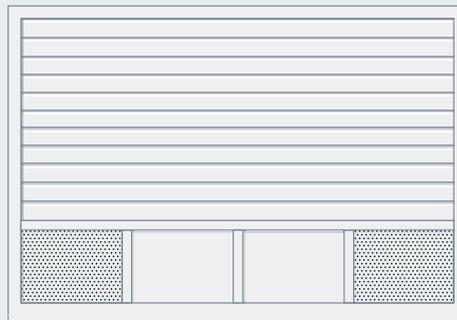


Style 499 Combined infill

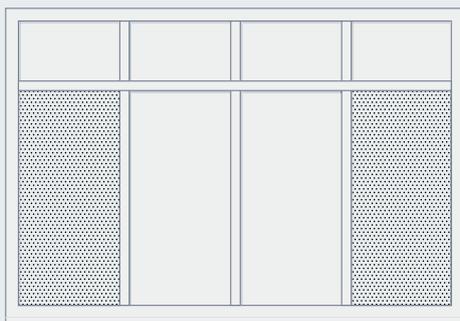
Design your own individual collective garage door. To do so, select Hörmann style variants, combining them as you like according to your tastes or the architecture of your building.



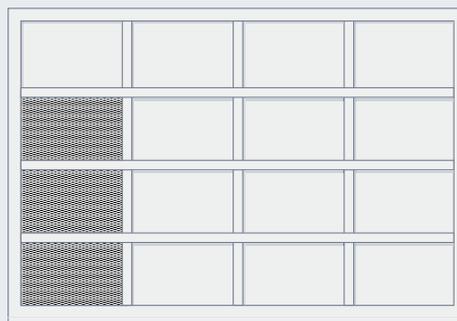
Style 499, example with section and perforated sheet infill



Style 499, example with section, perforated sheet and aluminium sheet infill



Style 499, example with perforated sheet and aluminium sheet infill



Style 499, example with aluminium sheet infill and expanded mesh infill arranged asymmetrically

16 preferred colours

Traffic white	RAL 9016
Grey aluminium	RAL 9007
Terra brown	RAL 8028
Clay brown	RAL 8003
Ochre brown	RAL 8001
Window grey	RAL 7040
Light grey	RAL 7035
Stone grey	RAL 7030
Anthracite grey	RAL 7016
Fir green	RAL 6009
Moss green	RAL 6005
Pigeon blue	RAL 5014
Steel blue	RAL 5011
Sapphire blue	RAL 5003
Ruby red	RAL 3003
Light ivory	RAL 1015

The door leaf and the frame profiles are available galvanized with powder-coated primer in White aluminium RAL 9006 as standard. You can choose from 16 preferred colours and the Hörmann colour CH 703 (Anthracite) as well as RAL to choose

Your Hörmann partner will be pleased to advise you further.

All colours based on RAL.

Wicket doors and side doors

For quick and convenient access



Wicket doors are particularly convenient because they do not require additional space next to the door. Left, right or centre fitting possible.



Wicket doors

On request, collective garage doors ET 500 and ST 500 are also available with a practical wicket door or with a respective side door matching the design.

With sliding door ST 500, concealed hinges are standard for the wicket door, optionally available for non-protruding up-and-over door ET 500. Overhead door closers are part of the standard scope of delivery for both door variations.

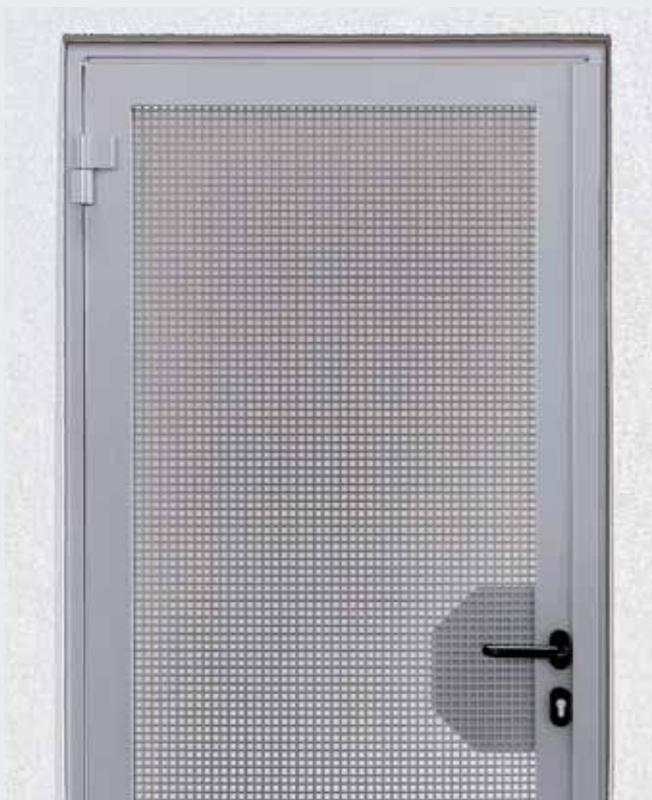


Side doors

Hörmann side doors always match the garage door design.

The side doors are available as standard with a black plastic lever handle set, prepared for profile cylinder, and a clear passage height of up to 2440 mm.

The fitting dimensions for wicket and side doors can be found on pages 28 and 29.



SupraMatic HT

for collective garages with up to 100 parking spaces



Operator SupraMatic HT

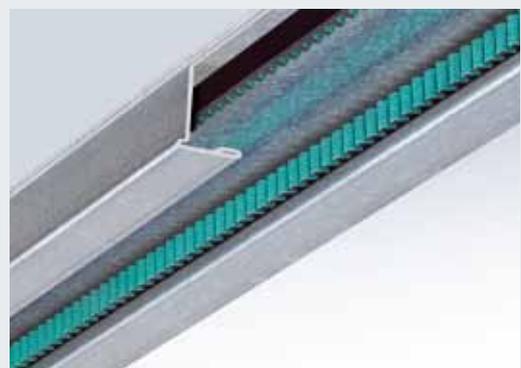
With the SupraMatic HT, Hörmann provides an operator system that is perfectly suited for collective garage doors. As it can accommodate up to 100 parking spaces, the operator is suited for blocks of flats, hotels and office buildings.

Application range

- Suitable for up to 100 parking spaces and max. 300 door cycles (Open / Close) per day
- With integrated control electronics including double 7-segment display for simple adjustment of the functions directly on the operator
- Optional external control 360 for connecting traffic control, warning lights or additional prints
- Pull and push force 1000 N (brief peak force 1200 N)

Function and safety

- Emergency release from inside
- Soft start and stop for gentle, quiet door travel
- Patented door locking in the operator boom



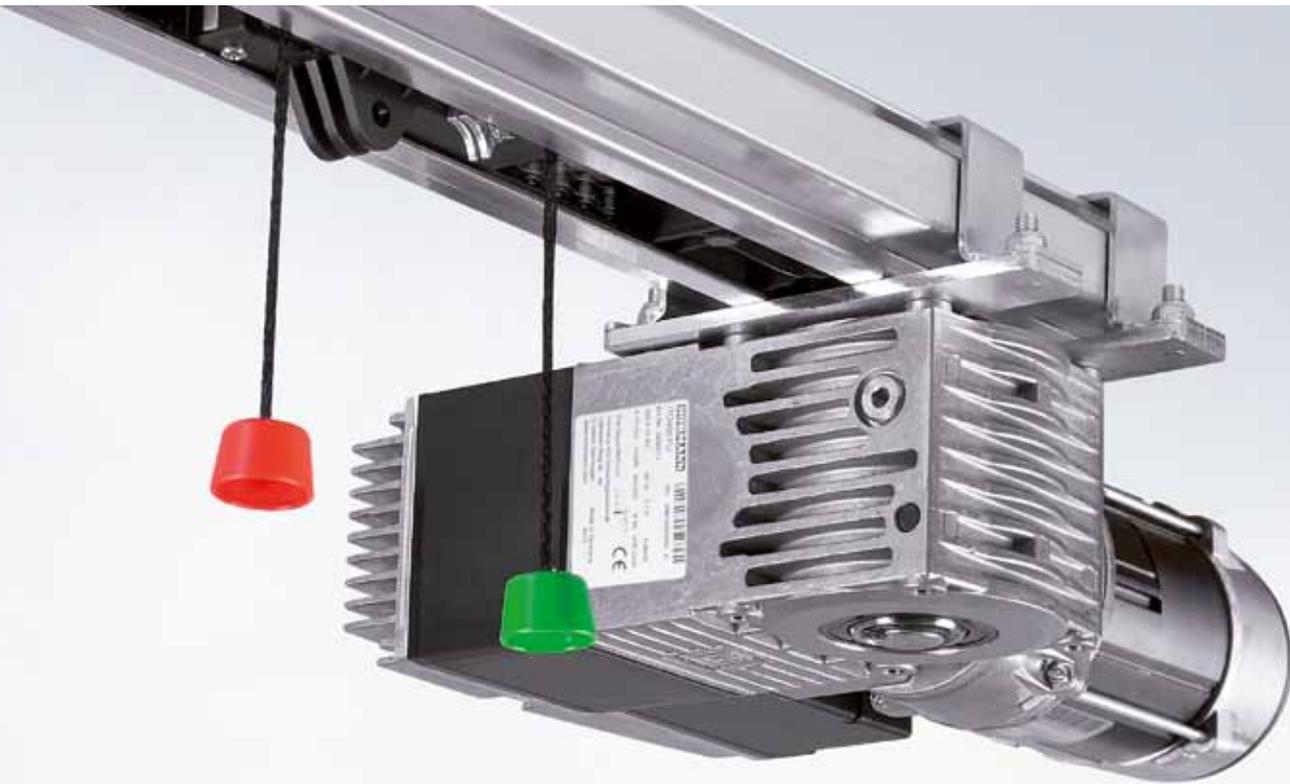
Maintenance-free SupraMatic operators, thanks to the patented toothed belt.



Optional external control 360 for connecting additional units such as warning lights

Chain drive operator ITO 400 FU

For collective garages with more than 100 parking spaces



High-quality Hörmann accessories ensure safe, convenient entry and exit.



The control for the operator
Using the menu on the optimally matched control for the ITO 400 FU, you can quickly and easily set, for example, desired hold-open times and visual indicators of warning lights.

Chain drive operator ITO 400 FU

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

Application range

- Suitable for more than 100 parking spaces
- Expandable through additional units such as warning lights, traffic control

Function and safety

- 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 via a control panel
- Standard safety accessories for ET 500: closing edge and side closing edge safety device, photocell

Accessories

Radio control, receiver



Only from Hörmann

Patent pending

Hörmann BiSecur (BS)

The modern radio system for industrial door operators

The bi-directional BiSecur radio system is based on future-oriented technology for the convenient and secure operation of industrial 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
- Convenient querying of the door position with optional bi-directional receiver HET-2 24 BS and end-of-travel feedback
- 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 // NEW

With additional button for querying the door position, black textured, 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 // NEW

Black textured surface with chrome or plastic caps

1-button hand transmitter HSE 1 BS // NEW

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



**2-channel
relay receiver
HET-E2 24 BS
// NEW**

With 2 volt-free relay outputs for choosing the direction and a 2-pin input for volt-free Open / Close limit switch reporting and for querying the door position



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

With 4 volt-free relay outputs



**3-channel receiver
HEI 3 BS**

For controlling 3 functions



**Bi-directional receiver
ESEi BS // NEW**

For querying door position



Accessories

Push button



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 button, key switch, 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, oversize 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)
Protection category: IP 54

Surface-mounted version ESA 30 (not shown)
Dimensions:
73 × 73 × 50 mm (W × H × D)



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)
Protection category: IP 54

Surface-mounted version STAP 30 (not shown)
Dimensions:
80 × 110 × 68 mm (W × H × D)



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 (as accessory)

Accessories

Code switch



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 housing 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 kit, 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 (no additional housing, for fitting in an 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 (B × H × T)
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 the 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 (B × H × T)
Contact load: 250 V AC: 2.5 A / 500 W
Protection category: IP 65

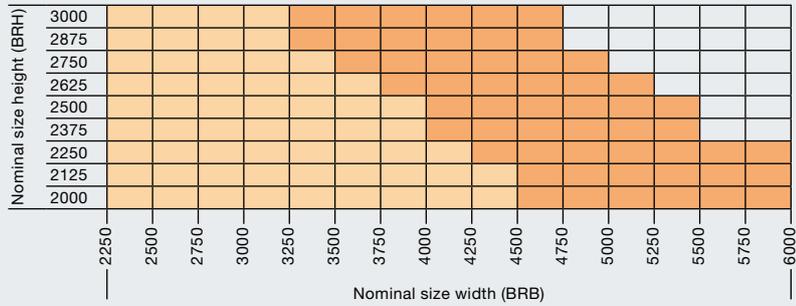
Size ranges ET 500, ST 500

Maximum size ranges

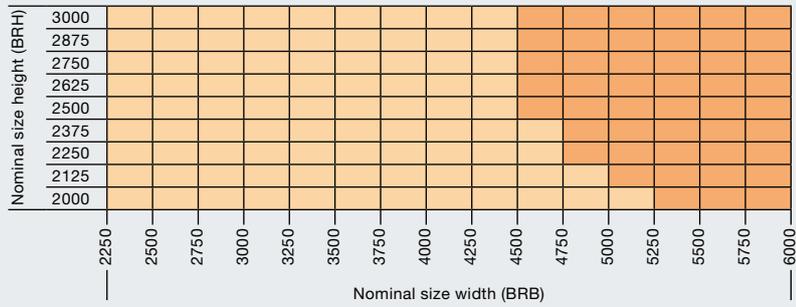
 ET 500 L – lightweight version
and ST 500

 ET 500 S – heavy version
and ST 500

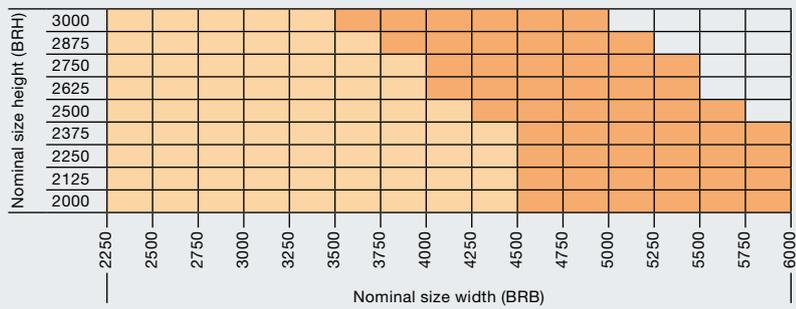
Doors with perforated steel sheet infill, styles 412, 413



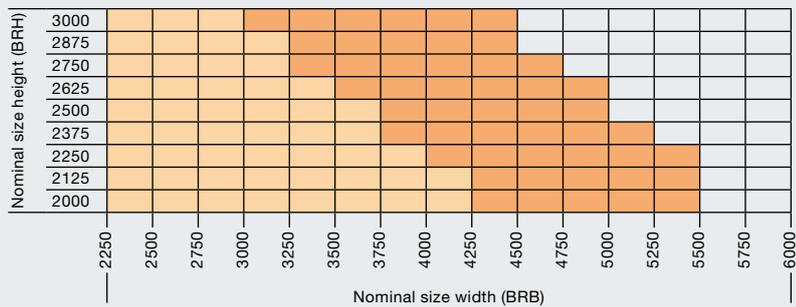
Doors with aluminium perforated sheet infill, styles 432, 433



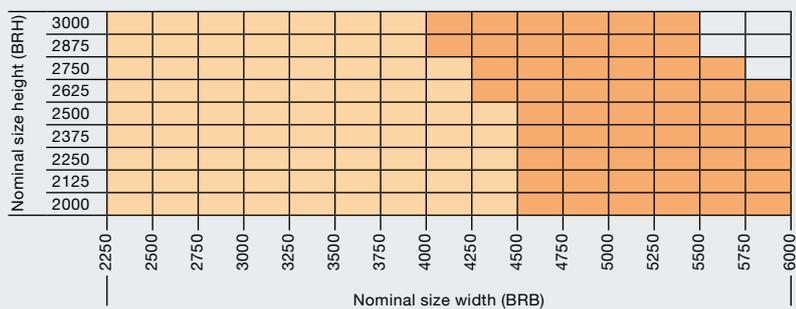
Doors with aluminium sheet infill inside the frame, style 420



Doors with section infill, style 480



Doors with surface-mounted ribbed sheet infill, styles 402, 414



**Note varying size and weight information for version with wicket door.
Please contact your Hörmann dealer.**

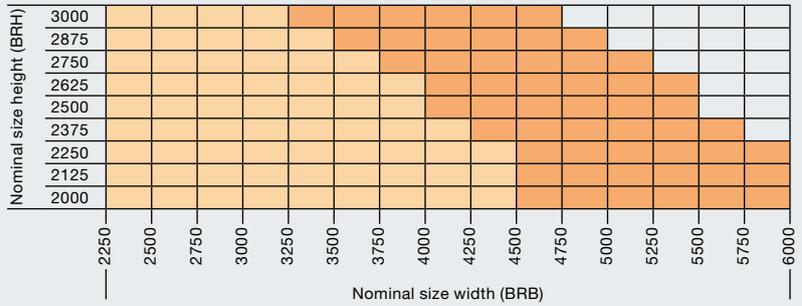
Maximum size ranges

 ET 500 L – lightweight version and ST 500

 ET 500 S – heavy version and ST 500

The figures in the table indicate the maximum infill weight in kg per m².

Doors with surface-mounted aluminium sheet infill, style 422



Doors for on-site infill inside the frame, style 400

Nominal size height (BRH)	3000	10	10	8	6	6	5	5	3	3								
		20	18	16	14	12	10	10	8	8	6	5	4	4	3	3		
	2875	12	10	8	8	6	6	5	4	3								
		22	18	16	14	14	12	10	10	8	6	5	5	4	3	3		
	2750	12	10	10	8	6	6	6	4	4								
		22	20	18	16	14	12	12	10	10	6	6	5	4	4	3		
	2625	14	12	10	10	8	6	6	5	4								
		24	22	20	18	14	14	12	10	10	8	6	6	5	4	4		
	2500	14	12	12	10	8	8	6	6	5	5							
		26	24	20	18	16	14	14	12	10	8	6	6	6	5	4		
	2375	16	14	12	10	8	8	8	6	6	3							
		28	24	22	20	18	16	14	12	12	8	8	6	6	5	5		
2250	18	14	14	12	10	8	8	6	6	3								
	30	26	24	22	18	18	16	14	12	10	8	8	6	6	6			
2125	18	16	14	12	10	10	8	8	6	4	3							
	32	28	26	24	20	18	18	16	14	10	10	8	8	6	6			
2000	20	18	16	14	12	10	10	8	8	4	3	3						
	34	32	28	26	22	20	18	16	16	12	10	10	8	8	6			
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	
		Nominal size width (BRB)																

Doors for on-site infill inside the frame, style 405

Nominal size height (BRH)	3000	10	8	6	6	6												
		18	16	14	12	12	10	8	8									
	2875	10	8	8	6	6												
		20	18	16	14	12	10	10	8	8								
	2750	10	10	8	6	6												
		20	18	16	14	14	12	10	10	8	6							
	2625	12	10	8	8	6	6											
		22	18	16	16	14	12	10	10	8	6	6						
	2500	14	12	10	10	8	6	6										
		24	22	20	18	16	14	12	12	10	8	6	6	6				
	2375	14	12	12	10	8	8	6	6									
		26	22	20	18	16	14	14	12	10	8	8	6	6	6			
2250	16	14	12	10	10	8	6	6	6									
	28	24	22	20	18	16	14	14	12	8	8	8	6	6	6			
2125	16	14	12	12	10	8	8	6	6									
	28	26	22	20	20	16	16	14	12	10	8	8	8	6	6			
2000	18	16	14	12	12	10	8	8	6									
	32	28	24	22	22	18	16	16	14	10	10	8	8	8	6			
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	
		Nominal size width (BRB)																

Doors with combined infill, style 499

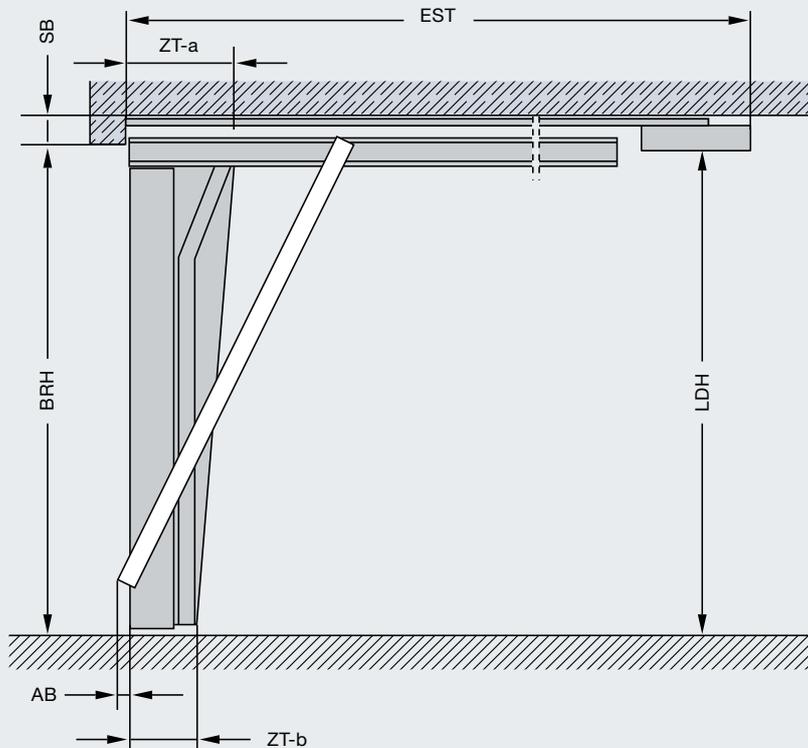


Fitting dimensions

Non-protruding up-and-over door ET 500

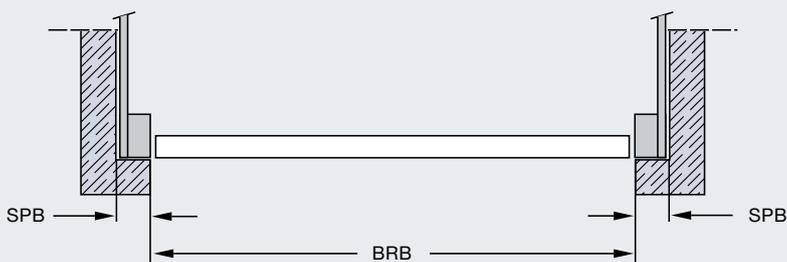
Vertical view

Fitting behind the opening



Horizontal view

Fitting behind the opening



Explanation of dimensions

EST	Distance back
SB	Required headroom
LH	Clear opening height
LB	Clear opening width
LDH	Clear passage height
LDB	Clear passage width
SPB	Side space requirement
BRH	Nominal height (ordering size)
BRB	Nominal width (ordering size)
ZT	Frame depth
AB	Swinging range

EST distance back with operator

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 SB*

SupraMatic HT / ITO 400 FU

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

Clear opening height LH

BRH = LH	2000 – 3000
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Clear passage height LDH

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

Side space requirement SPB*

ET 500 L	at least 140
ET 500 S	at least 250

Clear opening width LB

BRB = LB	2250 – 6000
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Swinging range AB with flush-fitting installation

ET 500 L	35
ET 500 S	40

Fitting depth ZT-a/ZT-b

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

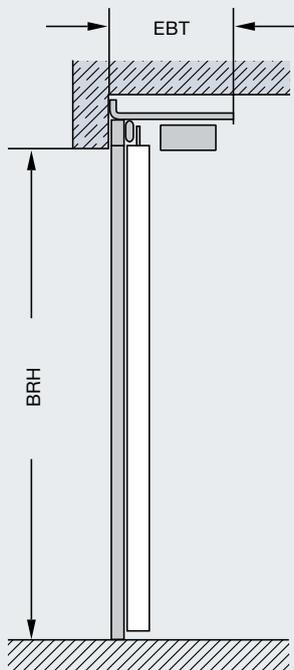
* An optional subframe is available for fitting situations without a lintel and/or sideroom.

Fitting dimensions

Sliding door ST 500

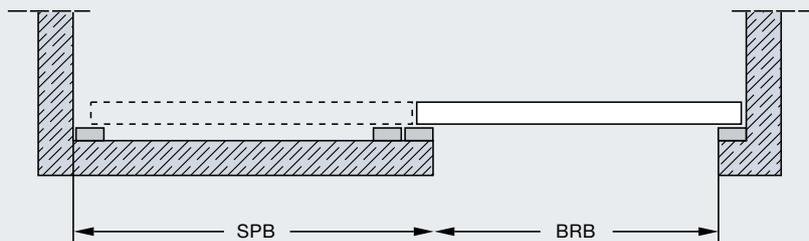
Vertical view

Fitting behind the opening



Horizontal view

Fitting behind the opening



Explanation of dimensions

EBT	Fitting depth
LH	Clear opening height
LB	Clear opening width
LDH	Clear passage height
LDB	Clear passage width
SPB	Side space requirement
BRH	Nominal height (ordering size)
BRB	Nominal width (ordering size)

Fitting depth EBT

Approx. 450

Clear opening height LH = BRL

2000 – 3000

Side space requirement SPB

In door parking area

$SPB = BRB + 310$

Clear opening width LB = BRB

2250 – 6000

Clear passage height LDH

$LDH = BRH$

Clear passage width LDB

$LDB = BRB - 60$

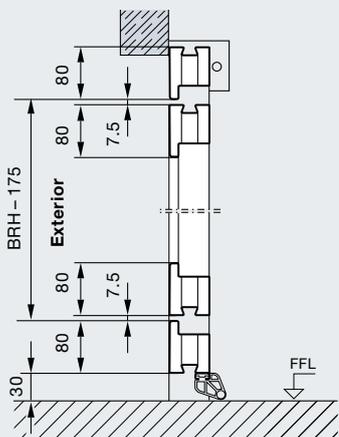
(The clear passage may vary depending on the fitting situation)

Fitting dimensions

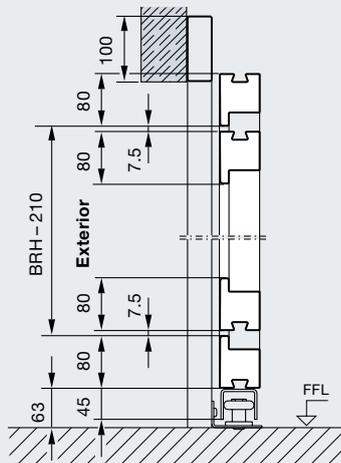
Wicket door

Vertical views

Non-protruding up-and-over door ET 500 with wicket door

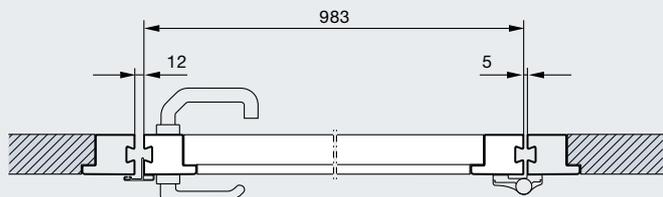


Sliding door ST 500 with wicket door

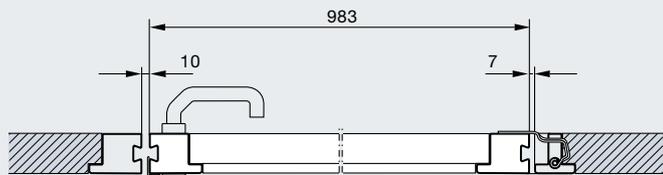


Horizontal views

Non-protruding up-and-over door ET 500 with wicket door



Sliding door ST 500 with wicket door



Explanation of dimensions

- LDH Clear passage height
ET 500: BRH – 195 mm
ST 500: BRH – 210 mm
- LDB Clear passage width
At least 900 mm
- RAM Overall frame dimension (ordering size)
- BRH Nominal size height
- BRB Nominal size width

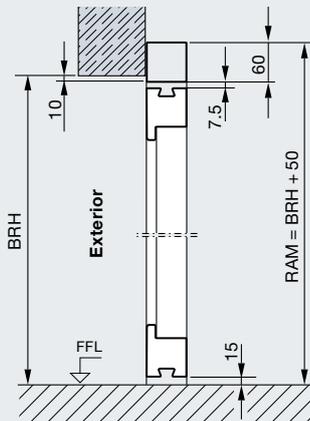
For further information, please see the fitting data or contact your Hörmann partner.

Fitting dimensions

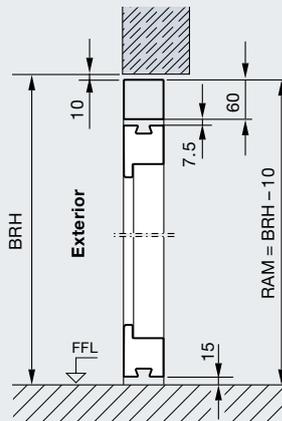
Side door

Vertical views

Fitting behind the opening



Fitting in the opening

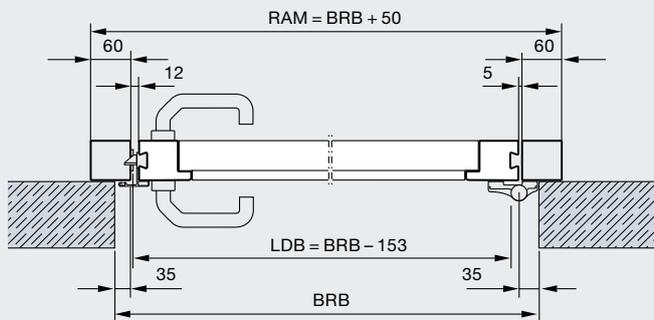


Explanation of dimensions

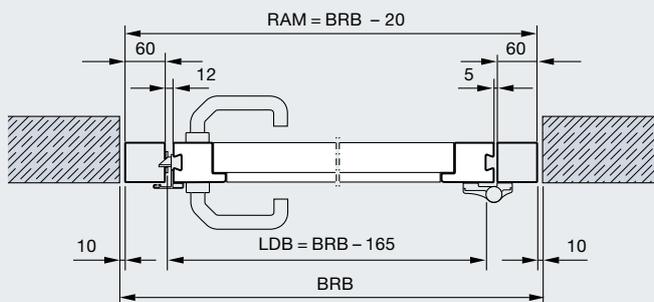
- LDH Clear passage height
max. 2440 mm
- LDB The max clear passage width
of 1363 mm is reduced if the opening
angle is < 180°.
- RAM Overall frame dimension (ordering size)
- BRH Nominal size height
- BRB Nominal size width

Horizontal views

Fitting behind the opening



Fitting in the opening



For further information, please see the fitting data or contact your Hörmann partner.



Hörmann quality construction components

For every application involving new construction and modernisation

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

Entrance doors with letter box systems

The entrance door to a block of flats sets the tone for the entire building. Hörmann offers a large variety of individual possibilities for attractive designs. The entrance door can be combined with side elements, transom lights and letter box systems to fit your needs exactly.

Apartment entrance doors

Apartment entrance doors must comply with a variety of requirements – they should not overly strain the construction or modernisation budget, have a long service life and be robust. At the same time, they have to be fire and break-in resistant. WAT fire-rated security doors come with T30 fire resistance and WK 2 security equipment and can be optimally matched to the doors inside the residence.

Reinforced internal doors

The doors, which have been specially developed for demanding day-to-day operations, are extremely heavy-duty, rigid in form and highly durable. The programme is also characterised by a wide variety of colour and equipment options.

Multi-purpose sliding doors and fire sliding doors

Hörmann can provide you with single or double-leaf sliding door solutions suitable for all areas and required fire protection classes. On request, these can also be supplied with a wicket door and smoke-tight function.

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Entrance doors with letter box systems



Apartment entrance doors



Reinforced internal doors



Multi-purpose sliding doors and fire sliding doors

Hörmann: Quality without Compromise



Hörmann KG Amshausen, Germany



Hörmann KG Antriebstechnik, Germany



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Hörmann KG Freisen, Germany



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Hörmann Alkmaar B.V., Netherlands



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GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES

