

// NEW sliding door version – with designs to match up-and-over doors



Collective Garage Doors ET 500 and ST 500

Sturdy and dependable, with numerous design possibilities







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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 50 parking spaces with the SupraMatic H operator, up to 100 parking spaces with the SupraMatic T operator and over 50 parking spaces with the ITO 400 FU.

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**
- **Galvanised, powder-coated door leaf in RAL 9006, over 200 other RAL colours available on request**
- **Also available with wicket door and side door**
- **Up-and-over door ET 500 and sliding door ST 500 in matching designs**

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 and low maintenance costs for years to come.



Low space requirements

- Minimal protrusion (max. 200 mm) of door leaf during opening cycle, important in very tight spaces



Small fitting dimensions

- Only 100 mm required headroom in combination with the SupraMatic H operator, only 120 mm required headroom in combination with the ITO 400 operator
- Only 140 mm sideroom needed for L version, 250 mm for S version



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



Quiet door travel

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



Exemplary safety

- Double cables prevent the door leaf from falling
- Finger trap protection on the side and bottom edges through a safety gap between the door leaf and building structure
- Special EPDM bottom profile shape optimally seals the closing edge
- Prepared for closing edge safety device (required for use with the ITO 400 operator)

Sliding door ST 500 //NEW for limited fitting depths



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



Highly compact

- 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



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



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

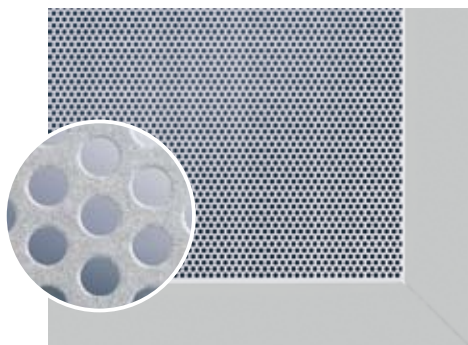
Up-and-over door ET 500, sliding door ST 500

Optimum integration thanks to numerous design possibilities

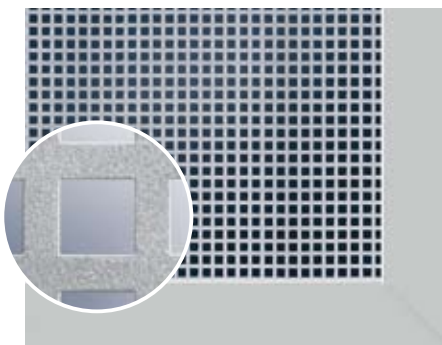


A wide choice of infill variations and on-site design options allow the collective garage door to be adapted to either existing or planned facades.

Infill variations



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



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

Perforated steel sheet

Style 412, round; style 413, square

The basic version with the best ventilation cross section is available in two options, with either round or square recesses.

Max. door width 6000 mm

Sections

Style 480

The louvre version (42-mm-thick) has the same appearance as Hörmann sectional doors. It can be supplemented by an aluminium frame with expanded mesh, perforated steel sheet or glazing infill.

Max. door width 5000 mm



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



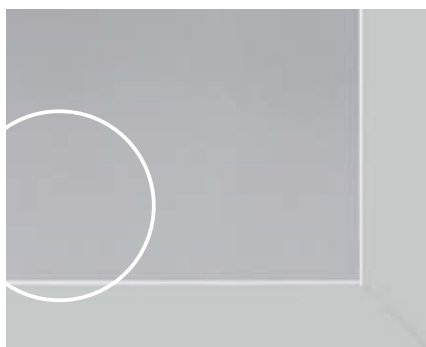
Style 480, aluminium frame with expanded mesh;
Ventilation cross section: 58% of infill surface per frame

Smooth aluminium sheet

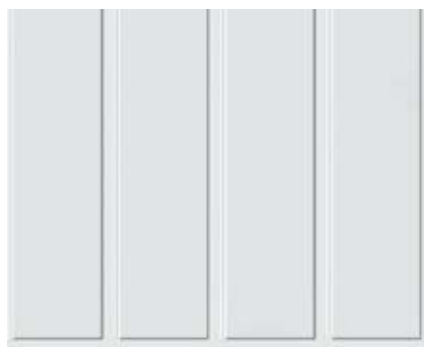
Style 420 //NEW

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

Max. door width 6000 mm



Style 420, smooth aluminium sheet



Style 402, ribbed sheet steel

Ribbed sheet steel

Style 402 //NEW

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

Max. door width 6000 mm



Style 405, for on-site infill overlapping the frame, with vertical and horizontal reinforcement struts



Style 400, for on-site infill inside the frame, with vertical struts

On site

Style 405, on the inside; style 400, on the inside

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 17.

Max. door width 6000 mm

Wicket doors and side doors for quick, convenient access



Wicket doors do not require any additional space.



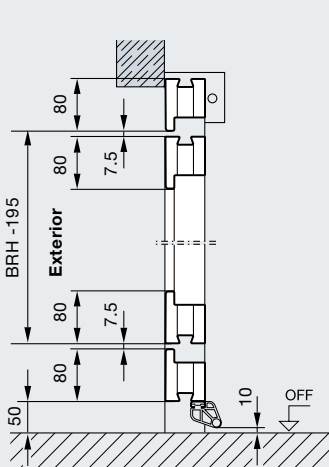
Concealed hinges as standard on the ST 500, optional on the ET 500. //NEW

Wicket door

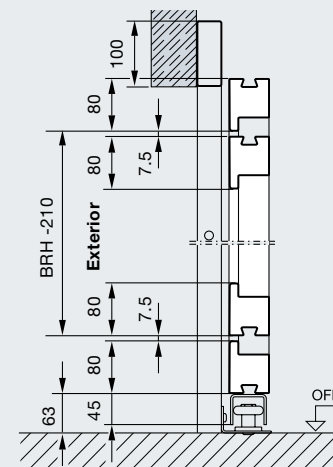
The ET 500 and ST 500 collective garage doors are available with a wicket door on request.

- Left, right or centre fitting possible
- Clear passage width at least 900 mm
- Clear passage height of wicket door:
for ET 500, BRH -195 mm;
for ST 500, BRH -210 mm
- Overhead door closer as standard
- ET 500: optional concealed hinges
- ST 500: concealed hinges as standard, without external lever handle

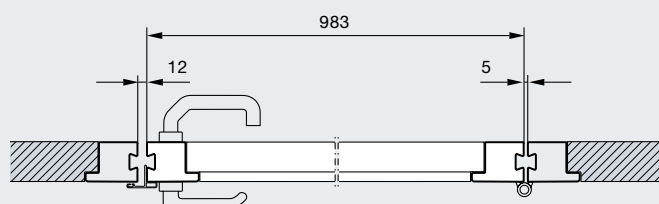
Vertical view
Up-and-over door ET 500 with wicket door



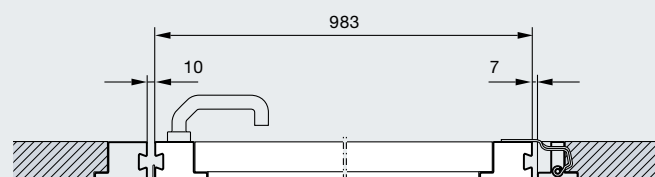
Vertical view
Sliding door ST 500 with wicket door



Horizontal view
Up-and-over door ET 500 with wicket door



Horizontal view
Sliding door ST 500 with wicket door



BRB = Nominal size width
BRH = Nominal size height
LDB = Clear passage width
RAM = Overall frame dimension

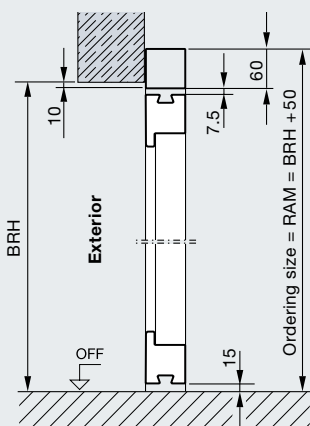


With black plastic lever handle set as standard

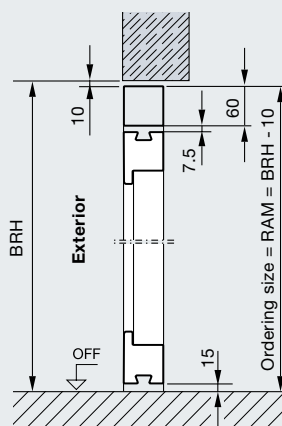


Hörmann side doors always match the door design.

Vertical view
Example: fitting behind the opening



Vertical view
Example: fitting in the opening

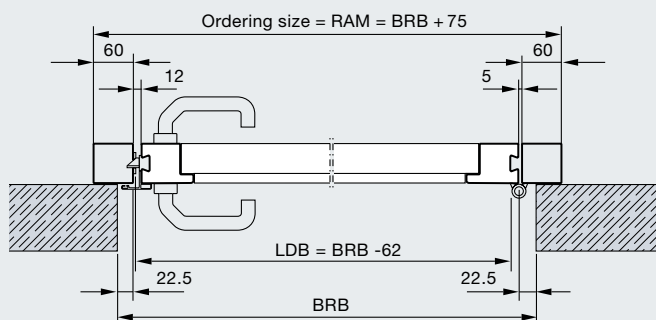


Side door

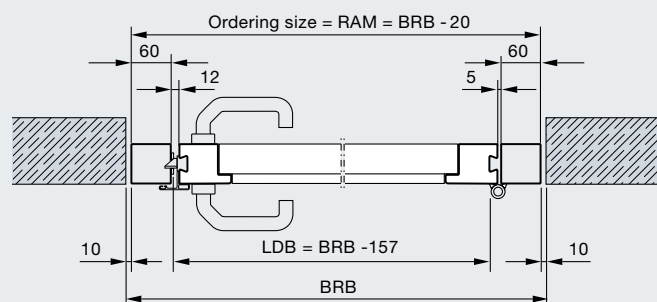
Matching side doors are available as an option for ET 500 and ST 500.

- Matching the respective design
- Max. clear passage width 1363 mm (reduced if the opening angle is less than 180°)
- Max. clear passage height 2440 mm
- With lever/lever, prepared for profile cylinder, black plastic as standard

Horizontal view
Fitting behind the opening



Horizontal view
Fitting in the opening



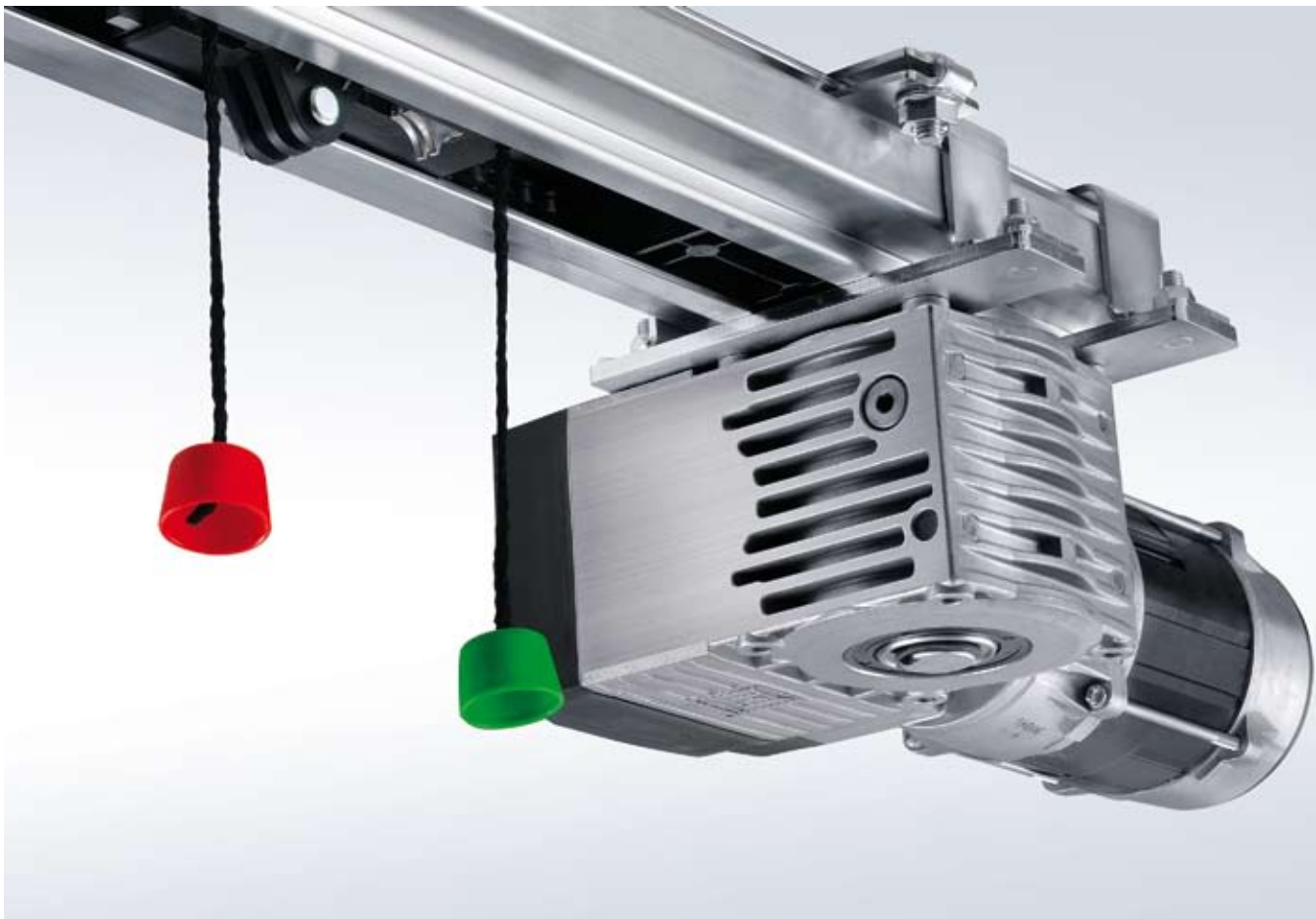
Complete, cost-effective solutions with Hörmann operator technology



The optimum overall solution for every requirement.



Chain drive operator ITO 400 FU for collective garages with over 50 parking spaces



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 50 parking spaces**
- Expandable with additional units (activating kits for warning lights, traffic control)

The control for the operator

Using the menu on the perfectly matched control for the ITO 400 FU, you can set e.g. desired opening times and visual displays with warning lights quickly and easily.



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 with ET 500 door: secondary closing edge safety device, photocell

SupraMatic T //NEW

for collective garages with up to 100 parking spaces



Garage door operator SupraMatic T

With the SupraMatic T, Hörmann provides an operator system that is a perfect fit for collective garage doors. Well equipped to handle up to 100 parking spaces, it can be used for most applications. The SupraMatic T is especially suited for collective garages in large rental units, hotels and office buildings.

Application range

- Suitable for up to 100 parking spaces
- Pull and push force 1000 N, brief peak force 1200 N
- Expandable with additional units
(activating kits for warning lights, traffic control)

Function and security

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

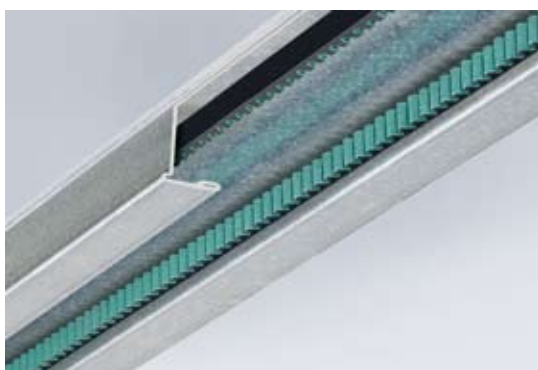
The control for the operator

The SupraMatic T is operated using an external control. The scope of delivery includes a 7.5 m connecting lead.



SupraMatic H

for collective garages with up to 50 parking spaces



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



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

Garage door operator SupraMatic H

The SupraMatic H is especially suited for low-traffic collective garages, such as those in residential buildings and hotels.

Application range

- **Suitable for up to 50 parking spaces**
- Pull and push force 1000 N, brief peak force 1200 N
- Expandable with additional units (activating kits for warning lights, traffic control)

Function and security

- Emergency release from inside
- Soft start and stop for gentle, quiet door travel
- Integrated illumination with factory-set 2-minute light
- Patented door locking in the operator boom
- Settings directly on the operator via a control panel
- incl. photocell

We offer you an extensive range of accessories to meet your individual needs

Hand transmitters for impulse controls, receivers



4-button mini hand transmitter HSM 4



2-button hand transmitter HSE 2



4-button hand transmitter HS 4



1-button hand transmitter HS 1



4-button hand transmitter HSP 4
with transmission block, for 4 functions



4-button security hand transmitter HSS 4
Additional function: copy protection for hand transmitter coding



Design hand transmitter HSD 2-A Aluminium look
with transmission block, for 2 functions, can also be used as a keyring



Design hand transmitter HSD 2-C High-gloss chrome
with transmission block, for 2 functions, can also be used as a keyring



Hand transmitter HSZ 2
for 2 functions, for insertion in vehicle cigarette lighter



Hand transmitter HSZ 1
for one function, for insertion in vehicle cigarette lighter

1-channel receiver HEI 1
(not shown) for one basic function, e.g. warning lights

2-channel receiver HEI 2
(not shown) for 2 basic functions, e.g. necessary for traffic control

Code switches, finger-scan, transponder key switch



Code switch CTR 1b, CTR 3b
The code switches CTR 1b and CTR 3b with illuminated button panel offer a high level of security against unauthorised opening. You simply enter your own personal code – a key is no longer needed. The deluxe version CTR 3b allows you to open a second door and switch on the outside lighting or operate a door in your choice of direction.



Radio code switch FCT 10b
The radio code switch FCT 10b offers the following additional functions in contrast to the code switches CTR 1b and CTR 3b: simple installation, since no cables need to be routed, with up to 10 radio codes (868.3 MHz) for actuating up to 10 doors.



Code switch CTV 1/CTV 3
With keypad protected against vandalism, identical function as CTR 1b/CTR 3b.



Finger-scan FL 12, FL 100
Your fingerprint is all you need to safely and conveniently open your garage door, safely and easily. With a different finger, you can operate an additional garage door or the entrance gate. The finger-scan is available in two versions, FL 12 or FL 100, to store 12 or 100 fingerprints, respectively.



Transponder key switch TTR 100, TTR 1000
The comfortable way to open doors: You simply hold the transponder key with your personal security code approx. 2 cm in front of the reader. No contact needed, a major benefit in the dark. Suitable for max. 100 transponder keys (TTR 100) or 1000 transponder keys (TTR 1000). Two transponder keys are included on delivery.

Activating kit for warning light



SupraMatic H

Extension unit for warning lights ES 1

In separate housing, two relays to control warning lights, option relay (momentary impulse) for illumination control, impulse input, hold-open phase can be shortened, emergency-off button can be connected, SupraMatic H keypad can be switched off, automatic timer can be switched off (e.g. ZSU 2), incl. 2 warning lights (yellow).

Extension unit for warning lights ES 2

Technically identical to ES 1. In addition, programming of the SupraMatic H can be performed via the expansion kit. The connection of a closing edge safety device, as well as a safety or through-traffic photocell, is also possible. Adjustable hold-open phase of 5-480 seconds, pre-warning time of 1-170 seconds, incl. 2 warning lights (yellow).

Traffic control extension unit EF 1

Technically identical to ES 2. Additional impulse command, entrance and exit, entrance function has priority, limit switch reporting via an integrated relay, incl. 2 traffic lights (red/green).

SupraMatic T

EF 2 traffic control extension unit

In separate housing, impulse command, entrance and exit, entrance function has priority, without LED warning lights (please order separately).

ITO 400 FU

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

Extension unit for control B 460 FU. The activating kit for warning lights serves as a visual indicator while the door is moving. Optional weekly timer.

Application options: approach warning, automatic timed closing. After the set hold-open phase has elapsed (0-480 s), the warning lights flash during the set pre-warning phase (0-70 s) and during door travel.

Traffic control in separate additional housing or for fitting in an existing housing, incl. 2 traffic lights (red/green)

Extension unit for control B 460 FU. The activating kit for warning lights serves as a visual indicator for regulating the entrance and exit. (Optional weekly timer). Length of green phase: adjustable between 0-480 s. Length of clearance phase: adjustable between 0-70 s.

Dimensions (W x H x D)

Warning light (yellow)	170 x 277 x 210 mm
Traffic light (red/green)	170 x 467 x 210 mm
Additional housing	195 x 160 x 128 mm

Key switch, key switch post, pull switch

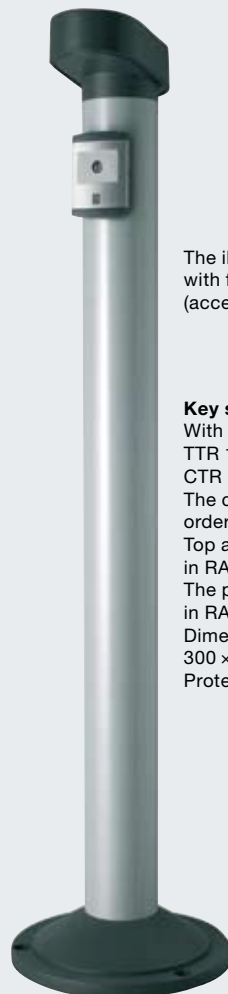


STUP, STAP

Key switch

Recessed or surface-mounted in two versions, each with 2 keys.

You can also find additional comfort and safety accessories in the brochure for garage and entrance door operators or ask your Hörmann specialist.



The illustration shows the version with fitted key switch STUP (accessory).

Key switch post STS 1

With adapter for fitting TTR 100/1000, FL12/100, FCT 10b, CTR 1b/CTR 3b, CTV 1/3 or STUP.

The command units must be ordered separately.

Top and bottom end of post in RAL 7015 (Slate grey).

The post is stove-enamelled in RAL 9006 (White aluminium).

Dimensions:
300 x 1250 mm (d x H)
Protection class: IP 44.



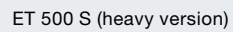
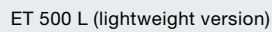
Pull switch ZT 2 with cord

Impulse generation to open or close the door.

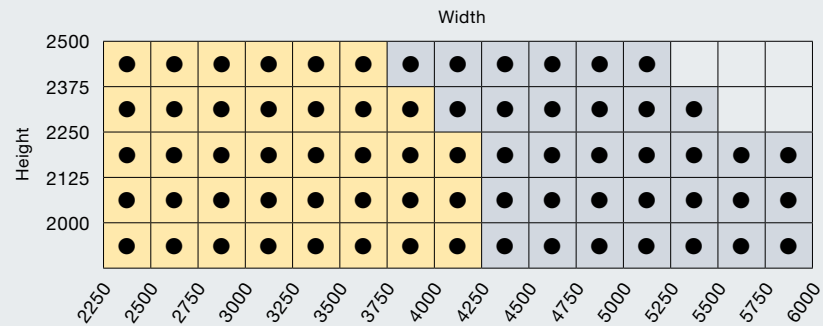
Dimensions:
60 x 90 x 55 mm (W x H x D)
Pull cord length: 3.2 m
Protection category: IP 65

Size range
ET 500, ST 500

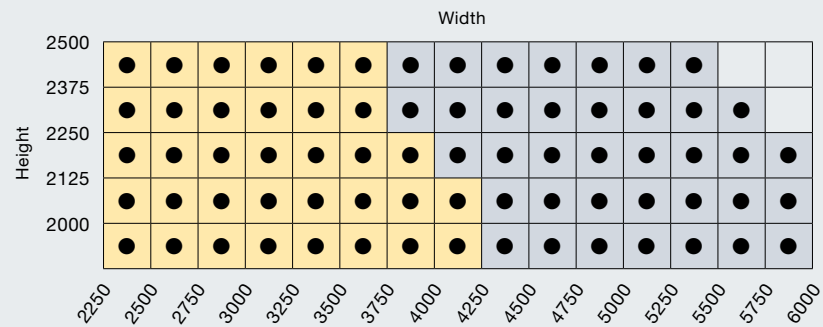
Maximum size ranges*



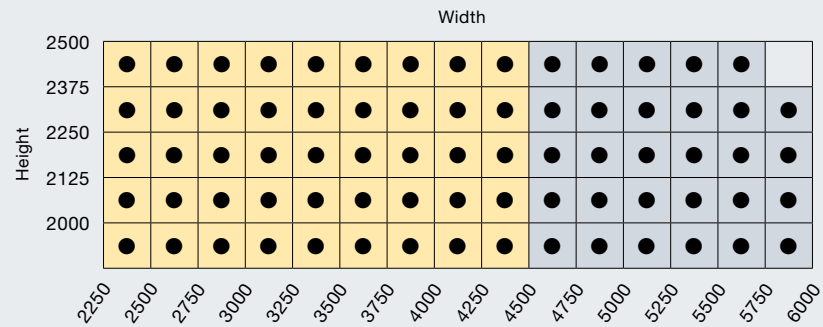
**Doors with perforated steel sheet infill,
style 412, 413**



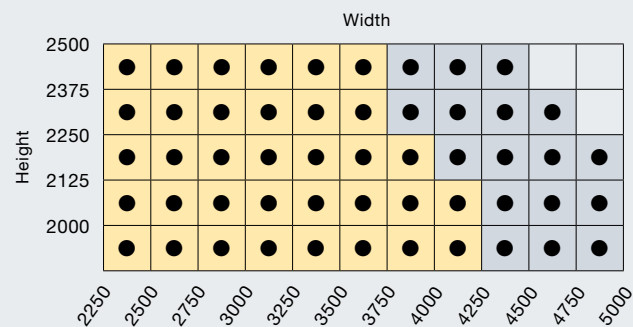
**Doors with aluminium sheet infill,
style 420**



**Doors with ribbed sheet infill,
style 402**



Doors with section infill, style 480



Maximum size ranges*



ET 500 L (lightweight version)



ET 500 S (heavy version) ST 500

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

Doors with on-site infill overlapping the frame, style 405

Height	Width															
	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
2500	14	12	10	10	8	6	6									
2375	24	22	18	18	16	14	12	12	8	8	8	6	6			
2250	14	12	12	10	8	8	6	6								
2125	26	22	20	18	16	14	14	12	10	8	8	6	6	6		
2000	16	14	12	10	10	8	8	6								
	28	24	22	20	18	16	14	14	10	10	8	8	6	6	6	
	18	16	14	12	10	10	8	6								
	30	26	24	20	18	16	14	14	10	10	10	8	8	6	6	
	18	16	14	12	12	10	8	6								
	32	28	24	22	20	18	18	16	12	10	10	8	8	8	6	

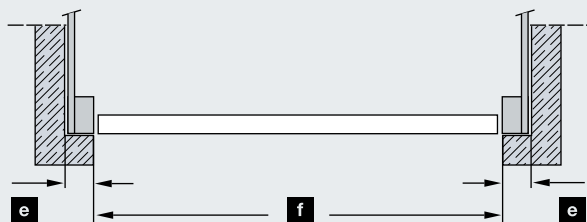
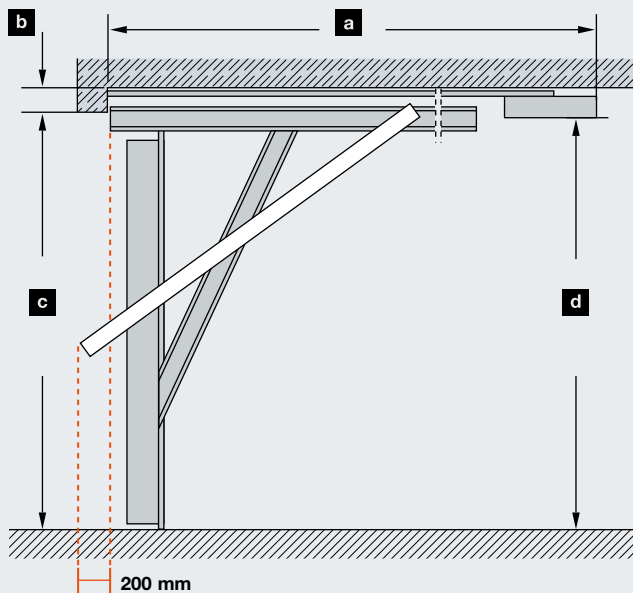
Doors with on-site infill inside the frame, style 400

Height	Width															
	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
2500	14	12	12	10	8	8	6	6								
2375	26	24	20	18	16	14	14	12	8	8	6	6	6			
2250	16	14	12	10	8	8	8	6								
2125	28	24	22	20	18	16	14	12	10	8	8	6	6	6		
2000	18	14	14	12	10	8	8	6								
	30	26	24	22	18	18	16	14	10	10	8	6	6	6	6	
	18	16	14	12	10	10	8	8								
	32	28	26	24	20	18	18	16	12	10	10	8	8	6	6	
	20	18	16	14	12	10	10	8								
	34	32	28	26	22	20	18	16	12	12	10	10	8	8	6	

* Note varying size and weight information for version with wicket door.
Talk to your Hörmann partner.

Maximum passage area with minimum fitting dimensions

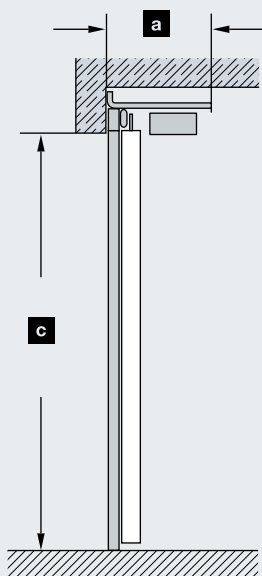
Space requirement for ET 500



a Total length			
SupraMatic T/H			
Opening height up to	2125 mm	c : K-boom	3200 mm
Opening height	2130-2300 mm	c : M-boom	3450 mm
Opening height	2305-2500 mm	c : L-boom	4125 mm
ITO 400 / ITO 400 FU			
Opening height (BRH) up to	2500 mm	c : K-boom	3840 mm
b Required headroom			
SupraMatic T/H			
Doors with infill overlapping the frame up to	20 mm		120 mm
Doors with wicket doors			100 mm
ITO 400 / ITO 400 FU			
Doors with infill overlapping the frame up to	20 mm		140 mm
Doors with wicket doors			120 mm
c Clear opening height			
Nominal size height (BRH), ordering size			2000-2500 mm
d Clear passage height			
up to BRB	4500 mm		= BRH - 20 mm
from BRB	4500 mm		= BRH - 60 mm
Doors with wicket doors			= BRH - 70 mm
e Side space requirement*			
ET 500 L (lightweight version)			at least 140 mm
ET 500 S (heavy version)			at least 250 mm
f Clear opening width			
Nominal size width (BRB), ordering size			2250-6000 mm

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

Space requirement for ST 500



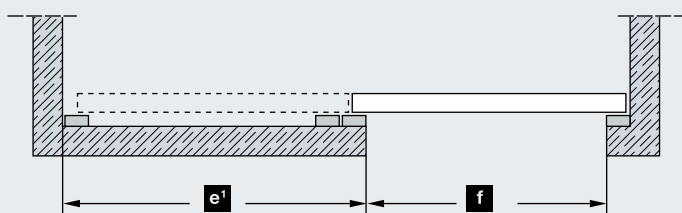
a Fitting depth approx. 450 mm

c Clear opening height
Nominal size height (BRH), ordering size 2000-2500 mm

e' Side space requirement
In door parking area = BRB + 310 mm

f Clear opening width
Nominal size width (BRB), ordering size 2250-6000 mm

Clear passage
Clear passage height = BRH
Clear passage width = BRB - 60 mm
(The clear passage may vary depending on the fitting situation)





High-quality construction components from Hörmann

For all applications in new buildings and modernisation projects.

Hörmann provides an excellent basis for comprehensive planning. Carefully-matched construction project solutions offer you the very best highly-functional products for every area.

Aluminium entrance doors

Hörmann aluminium entrance doors and systems are a convincing, elegant option with high safety standards and excellent thermal insulation.



Entrance doors with optional accessories

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.



Reinforced internal doors

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.



Fire/smoke-tight sliding doors

www.hoermann.com

Hörmann: Quality without Compromise



Hörmann KG Amshausen



Hörmann KG Antriebstechnik



Hörmann KG Brandis



Hörmann KG Brockhagen



Hörmann KG Dissen



Hörmann KG Eckelhausen



Hörmann KG Freisen



Hörmann KG Ichtshausen



Hörmann KG Werne



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, Leetsdale 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

