



Double and Collective Garage Doors

Non-protruding up-and-over door ET 500, sliding door ST 500, up-and-over door N 500

OVERVIEW OF DOOR TYPES

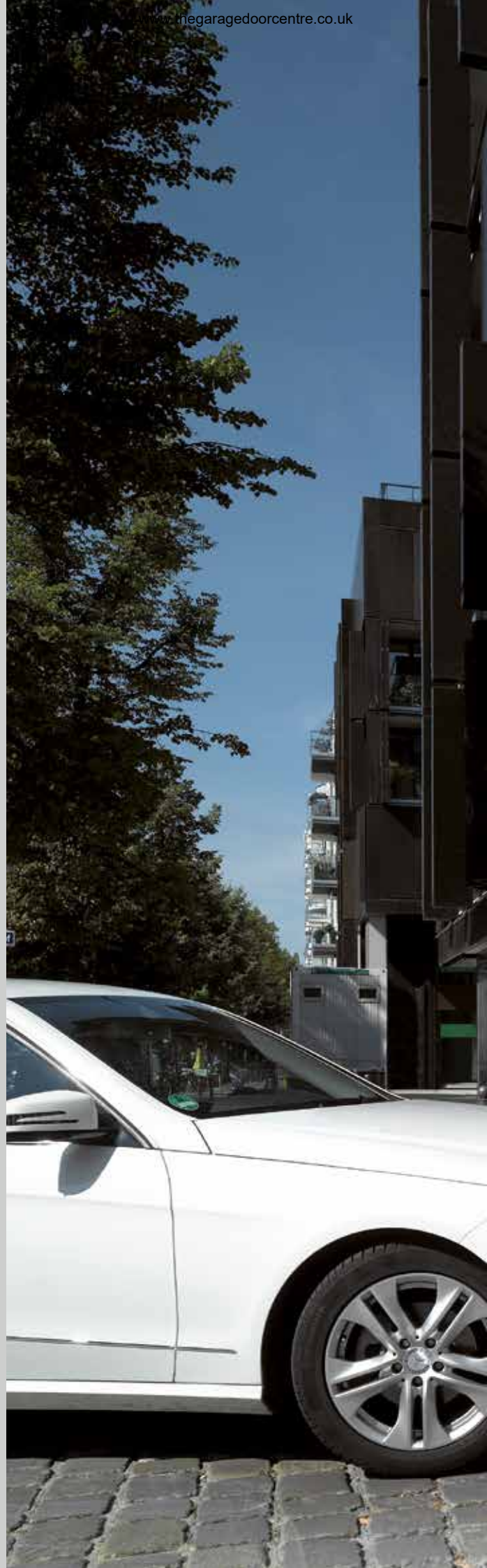
Three versions – one quality

The swinging up-and-over door N 500 is suited for double garages in private areas and for collective garages for up to 25 parking spaces.

When opening and closing, the non-protruding up-and-over door ET 500 swings out only to 30 mm and is therefore optimal for collective garages opening onto pavements.

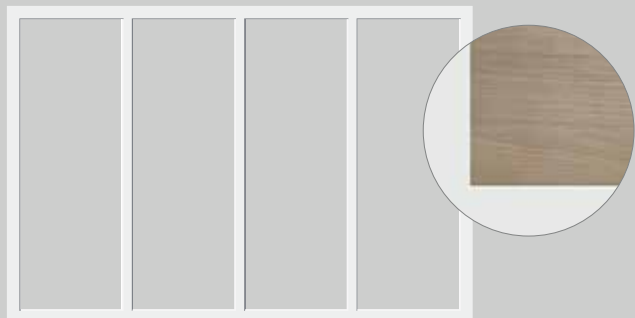
The design of the ST 500 sliding door additionally features a low fitting depth in the lintel area.

All door types together offer a wide variety of styles and individual design options. For further information, please see pages 22 – 27.

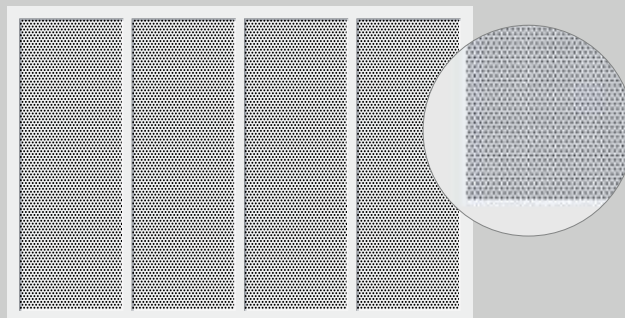




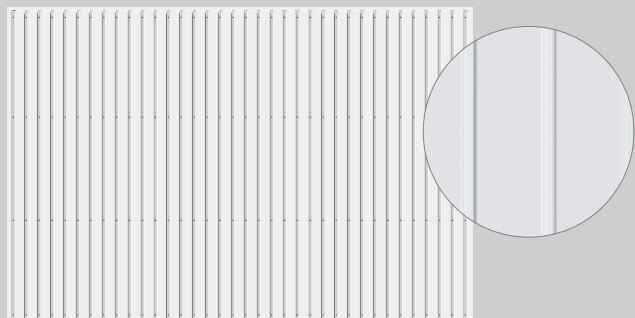
STYLE OVERVIEW OF DOUBLE AND COLLECTIVE GARAGE DOORS



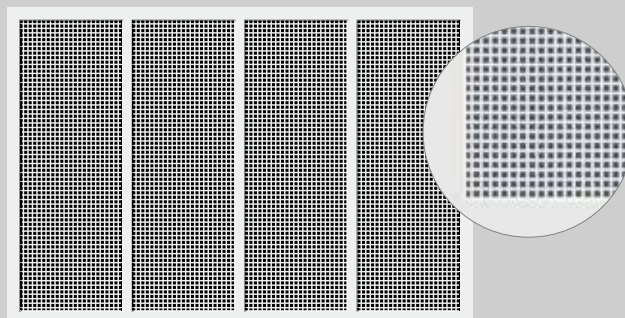
Style 400
Frames for on-site infill inside the frame
(detail figure shows infill example)



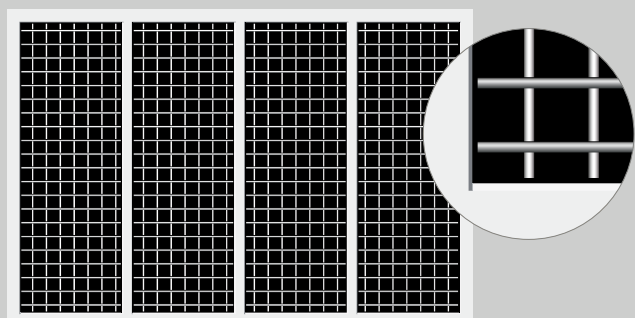
Styles 412 and 432
Internal, perforated sheet infill with round recesses,
ventilation cross section 46.1 %



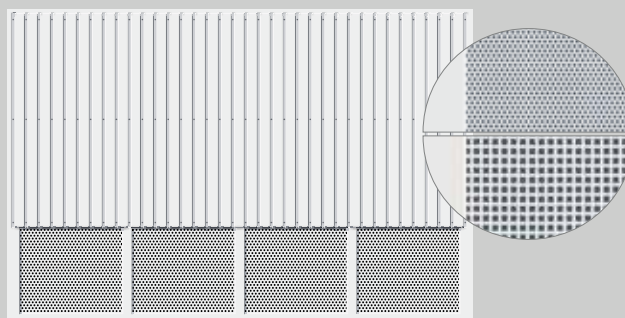
Style 402
Surface-mounted, ribbed sheet steel infill



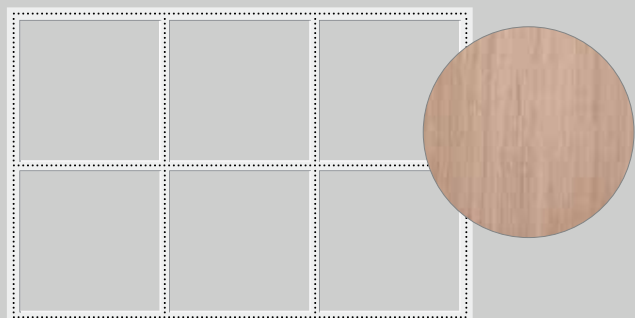
Styles 413 and 433
Internal, perforated sheet infill with square recesses,
ventilation cross section 44.4 %



Style 403
Internal welded grille infill, ventilation cross section 85 %



Style 414
Surface-mounted, ribbed sheet steel with perforated sheet infill, round
or square, ventilation cross section 46.1 % (round) or 44.4 % (square)



Style 405
Frames for surface-mounted, on-site cladding
(detail figure shows infill example)

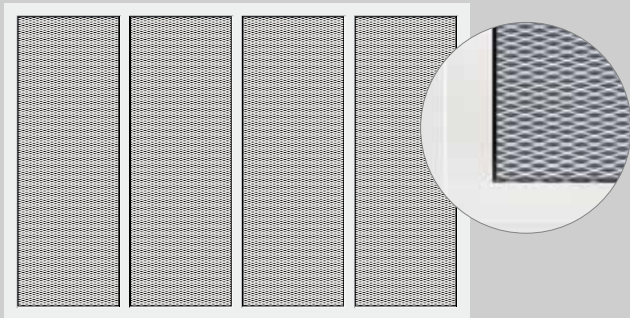


Style 420
Internal, smooth aluminium sheet infill

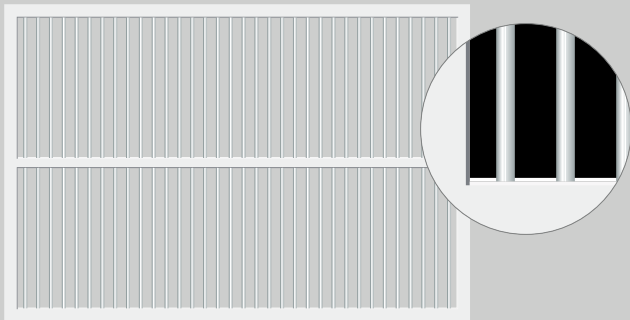
Information on max. infill weight can be found
in the technical manual.



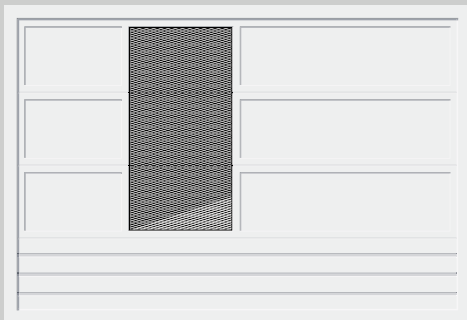
Style 422
Surface-mounted, smooth aluminium sheet



Style 440
Internal expanded mesh infill,
ventilation cross section 50 %



Style 470 ■ **NEW**
Infill with aluminium rods 20 x 20 x 2 mm,
ventilation cross section 80 %



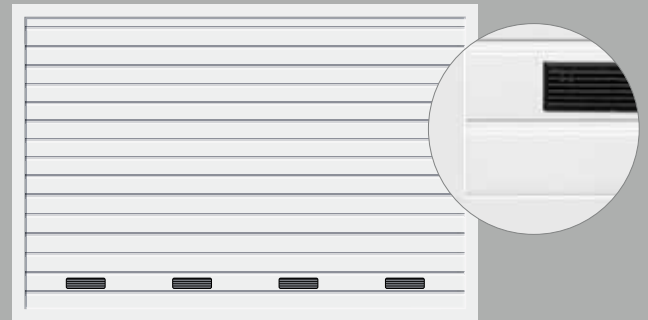
Style 499
Combined infill, individually composed of other style
variants (figure shows infill example)

Style 480 with variants

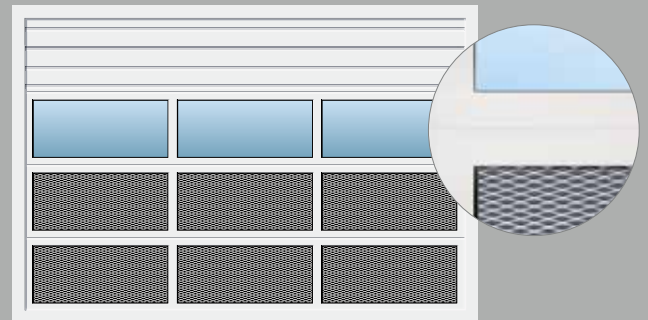
The style 480 section infill is optionally available with integrated ventilation grilles. Additionally, the sections can also be individually combined with glazing or expanded mesh in aluminium frames.



Style 480
Internal section infill

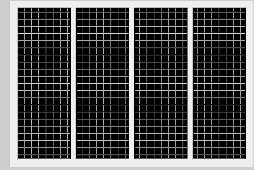


Style 480
Internal section infill with ventilation grilles

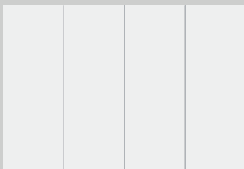


Style 480
Internal section infill with aluminium frame,
glazing and expanded mesh infill.

GENERAL OVERVIEW



Style	400	402	403
Up-and-over door N 500			
Colour	Traffic white RAL 9016 7 preferred colours RAL to choose	Traffic white RAL 9016 7 preferred colours RAL to choose	Traffic white RAL 9016 7 preferred colours RAL to choose
Max. width (mm)	5000	5000	5000
Max. height (mm)	2750	2750	2750
Non-protruding up-and-over door ET 500 / sliding door ST 500			
Colour	White aluminium RAL 9006 16 preferred colours RAL to choose	White aluminium RAL 9006 16 preferred colours RAL to choose	
Max. width (mm)	6000	6000	
Max. height (mm)	3000	3000	

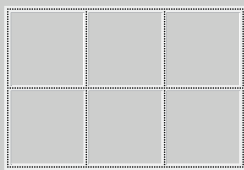


Style	422	440	470 ■ NEW
Up-and-over door N 500			
Colour	Traffic white RAL 9016 7 preferred colours RAL to choose	Traffic white RAL 9016 7 preferred colours RAL to choose	
Max. width (mm)	5000	5000	
Max. height (mm)	2750	2750	
Non-protruding up-and-over door ET 500 / sliding door ST 500			
Colour	White aluminium RAL 9006 16 preferred colours RAL to choose	White aluminium RAL 9006 16 preferred colours RAL to choose	White aluminium RAL 9006 16 preferred colours RAL to choose
Max. width (mm)	6000 ¹⁾	6000 ¹⁾	6000
Max. height (mm)	3000	3000	3000

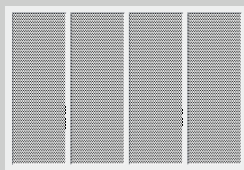
¹⁾ Door width with wicket door max. 5500 mm

²⁾ Door width with wicket door max. 5000 mm

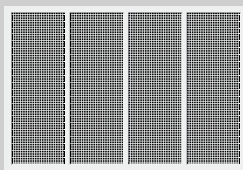
³⁾ Style 432, 433 only available for ET 500 / ST 500



405



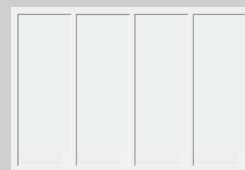
412 / 432 ³⁾



413 / 433 ³⁾



414



420

Terra brown RAL 8028
7 preferred colours
RAL to choose

5000
2750

Traffic white RAL 9016
7 preferred colours
RAL to choose

5000
2750

Traffic white RAL 9016
7 preferred colours
RAL to choose

5000
2750

Traffic white RAL 9016
7 preferred colours
RAL to choose

5000
2750

White aluminium
RAL 9006
16 preferred colours
RAL to choose

6000 ²⁾
3000

White aluminium
RAL 9006
16 preferred colours
RAL to choose

6000
3000

White aluminium
RAL 9006
16 preferred colours
RAL to choose

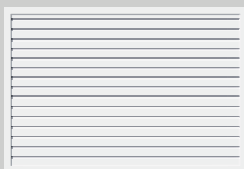
6000
3000

White aluminium
RAL 9006
16 preferred colours
RAL to choose

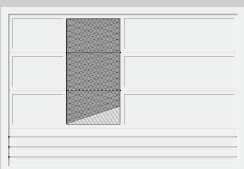
6000
3000

White aluminium
RAL 9006
16 preferred colours
RAL to choose

6000 ¹⁾
3000



480



499

White aluminium
RAL 9006
16 preferred colours
RAL to choose

5500 ²⁾
3000

White aluminium
RAL 9006
16 preferred colours
RAL to choose

6000
3000

STYLES





▲ Up-and-over door N 500, style 402 Window grey RAL 7040

◀ Sliding door ST 500, style 412 Anthracite grey RAL 7016

COLOUR

Beautiful and protective colour

The N 500 up-and-over doors are available as standard in Traffic white RAL 9016 and in 7 preferred colours. The non-protruding up-and-over door ET 500 and the sliding door ST 500 are offered as standard in White aluminium RAL 9006 and in 15 preferred colours. All door types are also available in around 200 colours based on RAL*. The matching side doors are also offered in all colours of the corresponding door types.

Please note:

All colours based on RAL.

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

* RAL Classic colours, with the exception of pearl-effect, fluorescent and metallic colours

** Preferred colours for up-and-over door N 500





Standard and preferred colours

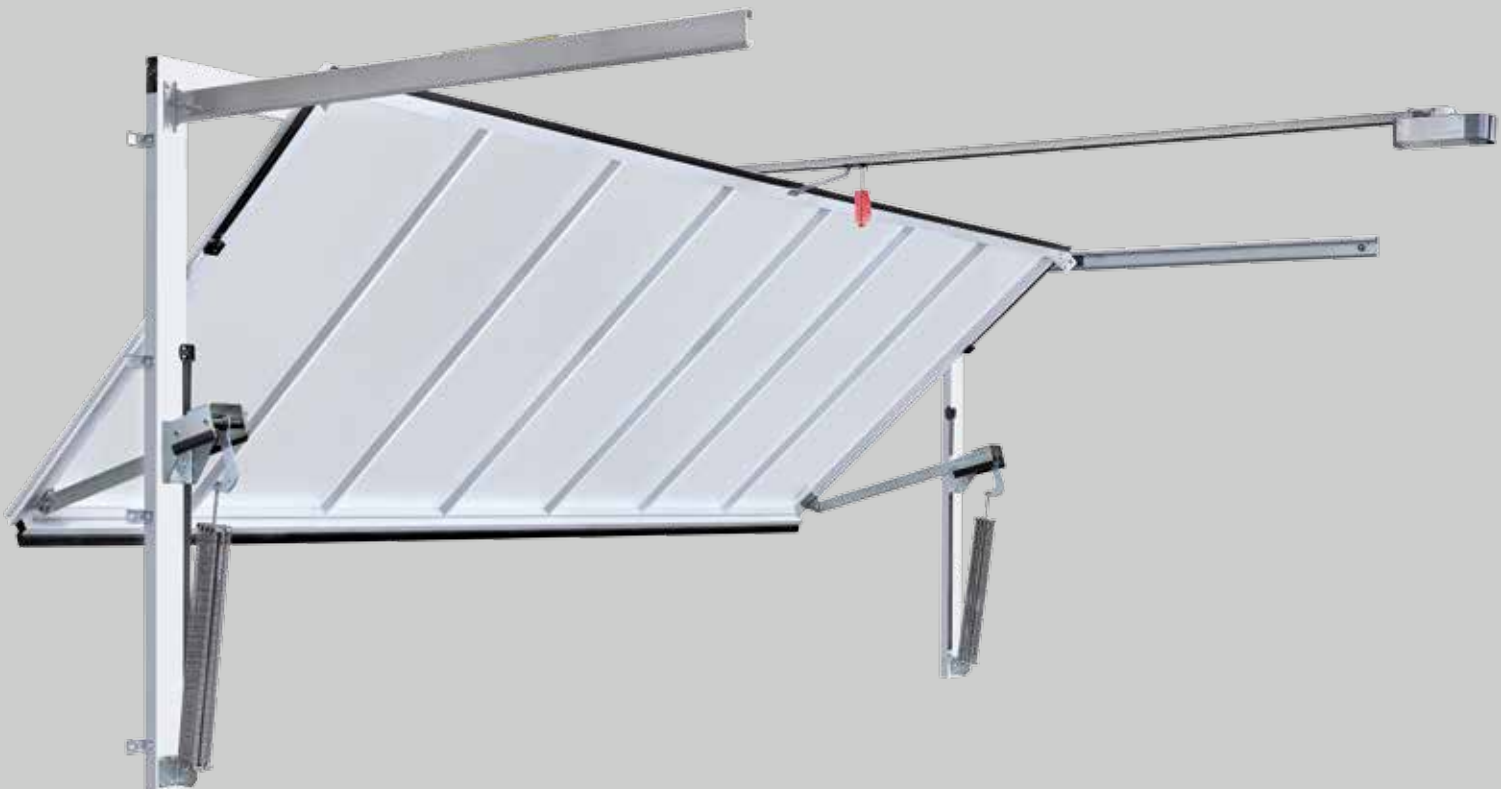


- | | | |
|-----------|----------|---|
| 1 | RAL 9006 | White aluminium** (standard colour ET 500 / ST 500) |
| 2 | RAL 9016 | Traffic white (standard colour N 500) |
| 3 | RAL 9007 | Grey aluminium |
| 4 | RAL 8028 | Terra brown** |
| 5 | RAL 8003 | Clay brown |
| 6 | RAL 8001 | Ochre brown |
| 7 | RAL 7040 | Window grey** |
| 8 | RAL 7035 | Light grey** |
| 9 | RAL 7030 | Stone grey |
| 10 | RAL 7016 | Anthracite grey** |
| 11 | RAL 6009 | Fir green** |
| 12 | RAL 6005 | Moss green |
| 13 | RAL 5014 | Pigeon blue |
| 14 | RAL 5011 | Steel blue |
| 15 | RAL 5003 | Sapphire blue |
| 16 | RAL 3003 | Ruby red |
| 17 | RAL 1015 | Light ivory** |

UP-AND-OVER DOOR N 500

Calculated design

The sturdy and open construction ensures precise and safe opening and closing. Thanks to the automatic operator locking, the door is secure.





1 Harmonious door appearance

For a harmonious door appearance, the door leaf and subframe are flush-fitting and have the same colour. The door can be fitted flush with the facade, in the reveal or behind it.



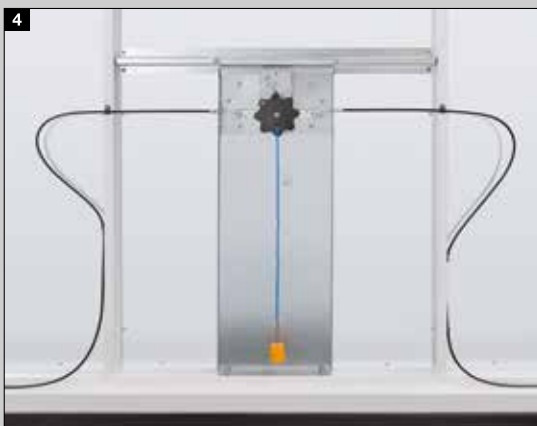
2 Safe opening mechanism

Stable lever arms with ball-bearings and track rollers with ball-bearings allow the door to operate smoothly, safely and precisely. The specially dimensioned multiple spring assembly has two functions: it supports safe door opening and closing and at the same time prevents the door leaf from falling. The open design also minimises the risk of crushing.



3 Well-sealed

Double seals on the door's lower edge effectively prevent the ingress of leaves, hail and snow.



Convenience with operator

The N 500 up-and-over door can be equipped with SupraMatic E / P operators. If the door is being used as a collective garage door, the SupraMatic HT operator packages with internal or external control are required. These packages additionally include the photocell EL 301 as well as a spring assembly for a longer service life. No additional headroom is required for fitting the operator. Optionally, the door can be operated or additionally locked by hand using a handle **4**. Optional handles for the N 500 can be found in the up-and-over garage doors brochure.

WICKET DOORS AND SIDE DOORS

Convenient access to the garage

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



Wicket doors

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 all door variants.



The fitting dimensions for wicket and side doors can be found on pages 41 and 42.



Side doors

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 2940 mm.



GARAGE DOOR OPERATORS

Reliable, secure, convenient

Hörmann garage door operators and Hörmann collective garage doors are perfectly matched to each other. The result: minimal operational effort, maximum convenience and optimum security.

All doors can be conveniently operated with the elegant hand transmitters, for example when you're in the car. Alternatively, you can control your door using stationary control elements, for example radio code switches or radio finger scans. You can find the comprehensive programme of Hörmann control elements and safety accessories in the Hörmann "Door Systems for Collective Garages" brochure or at your local Hörmann dealer.



More information can be found in the Door Systems for Collective Garages brochure





OPERATOR TECHNOLOGY

SupraMatic – the supra-fast operator with many additional functions



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



SupraMatic E/P



Hand transmitter HS 5 BS
black textured surface
(as standard
with SupraMatic E/P)

Garage door operators	SupraMatic E	SupraMatic P	SupraMatic HT
Up-and-over door N 500	○	○	○
Non-protruding up-and-over door ET 500 / sliding door ST 500			●
Cycles per day / hour	25 / 10	50 / 10	300 / 20
Lighting	●	●	–
Hand transmitter HS 5 BS	●	●	○
Pull and push force	650 N	750 N	1000 N
Peak force	800 N	1000 N	1200 N
Max. opening speed**	22 cm/s	22 cm/s	22 cm/s
Max. door width	5500 mm	6000 mm	6000 mm
Max. door surface	13.75 m ²	15 m ²	15 m ²

● = Standard ○ = Optional

* The complete warranty conditions can be found at: www.hoermann.com

** The opening speed depends on the door size and door weight.

ITO 400 FU, the powerful operator with soft start and soft stop

- Soft start and soft stop for quiet and gentle door travel
- Optional 2nd opening height
- Emergency release via Bowden cable on the slide carriage
- Settings on a separate control via a control panel
- Automatic timer**
- Prepared for traffic control**



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.

Garage door operators	ITO 400 FU
Non-protruding up-and-over door ET 500 / sliding door ST 500	○
Cycles per day / hour	450 / 30
Pull and push force	1500 N
Max. opening speed***	25 cm/s
Max. door width	6000 mm
Max. door surface	18 m ²

● = Standard ○ = Optional

* The complete warranty conditions can be found at: www.hoermann.com

** Only in combination with an activating kit for warning light and photocell / light grille

*** The opening speed depends on the door size and door weight.

MOBILE ACCESSORIES

**Hand transmitter HS 5 BS**

4 button functions,
plus query button,

1 High-gloss surface black
or white

2 Textured surface black

**Hand transmitter HS 4 BS**

4 button functions,

3 Textured surface black

Hand transmitter HS 1 BS

1 button function,

4 Textured surface black

Hand transmitter HSE 1 BS

1 button function,

including eyelet for key ring

5 Textured surface black

**Hand transmitter HSE 4 BS**

4 button functions,

including eyelet for key ring

6 Textured surface black

with chrome or plastic caps

Hand transmitter HSE 2 BS

2 button functions,

including eyelet for key ring

7 High-gloss surface black
or white

8 High-gloss surface green,
purple, yellow, red, orange

9 Decors in silver, carbon,
dark rootwood

(Shown from left to right)





10 Hand transmitter HSD 2-A BS

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

11 Hand transmitter HSD 2-C BS

High-gloss chrome,
2 button functions,
can also be used as a key ring



12 Hand transmitter HSP 4 BS

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



13 Hand transmitter HSZ 1 BS

1 button function,
for insertion in vehicle
cigarette lighter

14 Hand transmitter HSZ 2 BS

2 button functions,
for insertion in vehicle
cigarette lighter



Key switch

15 STUP 50

16 STAP 50

In a recessed version
and surface-mounted version,
including 3 keys



Key switch post STS

With the key switch post STS, the command units are particularly easy to reach and convenient to operate. The post is anodised aluminium (natural finish) and the top and bottom end of the post are supplied in Slate grey RAL 7015.




Activating kit for warning light and complete traffic controls


Warning lights secure and control the entrance and exit of the door system. Yellow warning lights alert when the door is moving, red / green activating kits for warning lights serve as a visual indicator for controlling the entrance and exit.


You can find additional information about the comprehensive accessory programme in the Door Systems for Collective Garages brochure.

SIZES AND FITTING DATA

Maximum size ranges

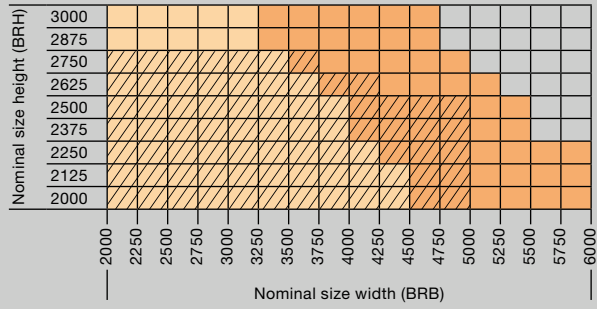
 ET 500 L – lightweight version and ST 500

 ET 500 S – heavy version and ST 500

 N500

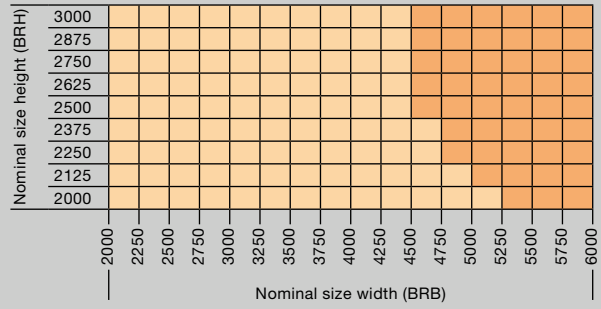
Styles 412, 413

Doors with perforated steel sheet infill



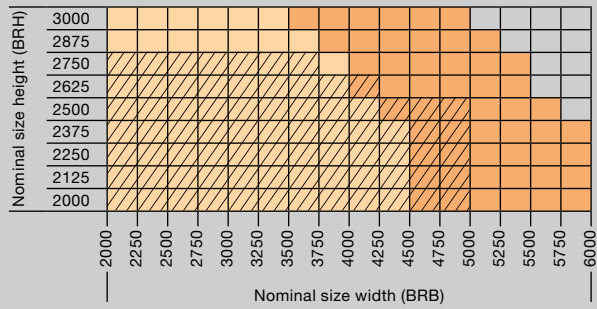
Styles 432, 433

Doors with aluminium perforated sheet infill



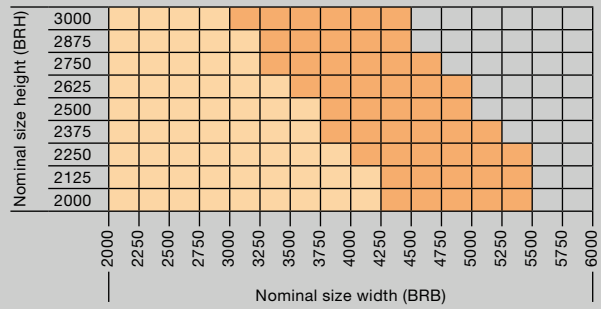
Style 420

Doors with aluminium sheet infill inside the frame



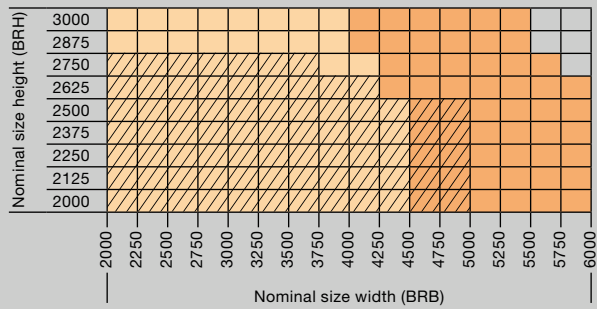
Style 480

Doors with section infill



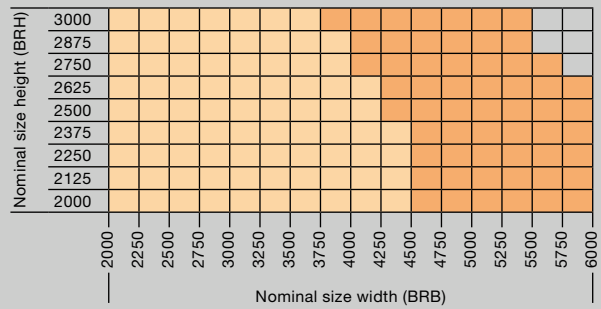
Style 402

Doors with surface-mounted ribbed sheet infill



Style 414

Doors with surface-mounted ribbed sheet infill



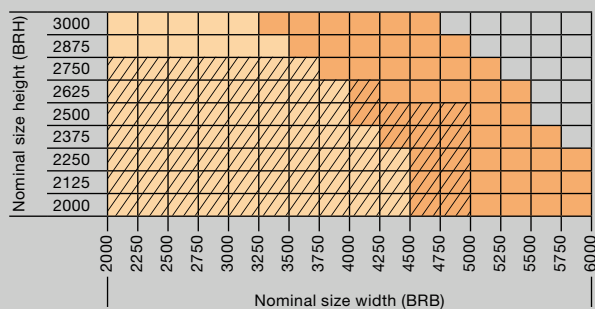
Maximum size ranges

Note

For the maximum infill weight please see the technical manual.

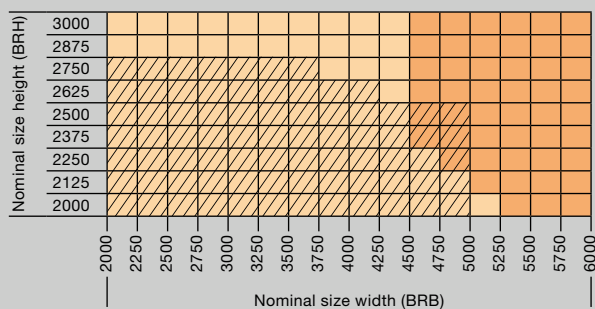
Style 422

Doors with surface-mounted aluminium sheet infill



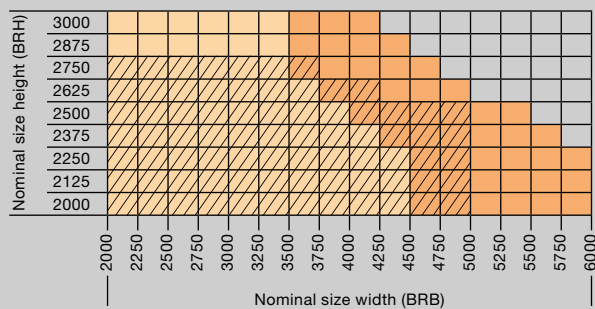
Style 400

Doors for on-site infill inside the frame



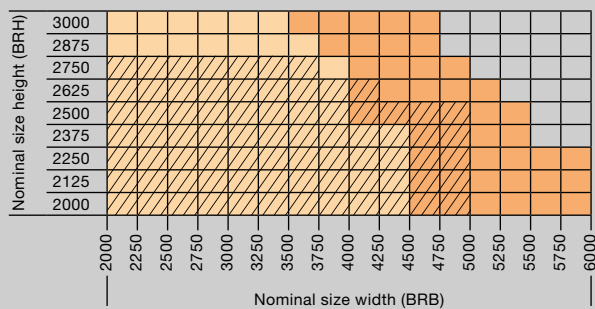
Style 405

Doors for on-site surface-mounted infill



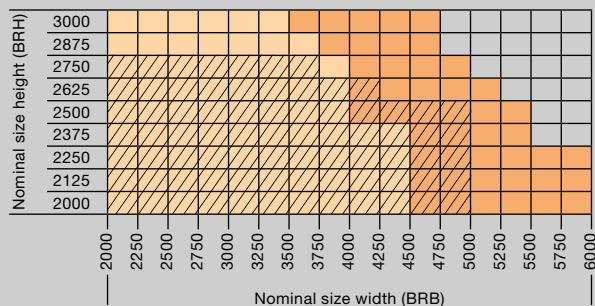
Style 403 (only N 500)

Doors with welded grille infill inside the frame



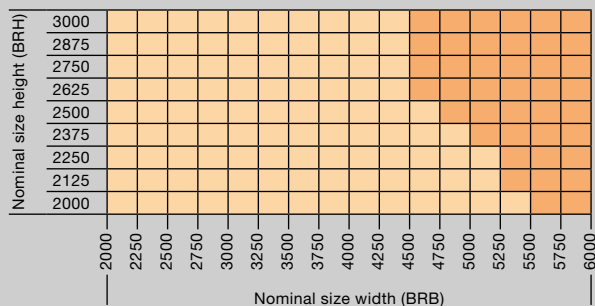
Style 440

Doors with expanded mesh infill inside the frame



Style 470 ■ NEW

Infill with aluminium rods 20 x 20 x 2 mm



Style 499

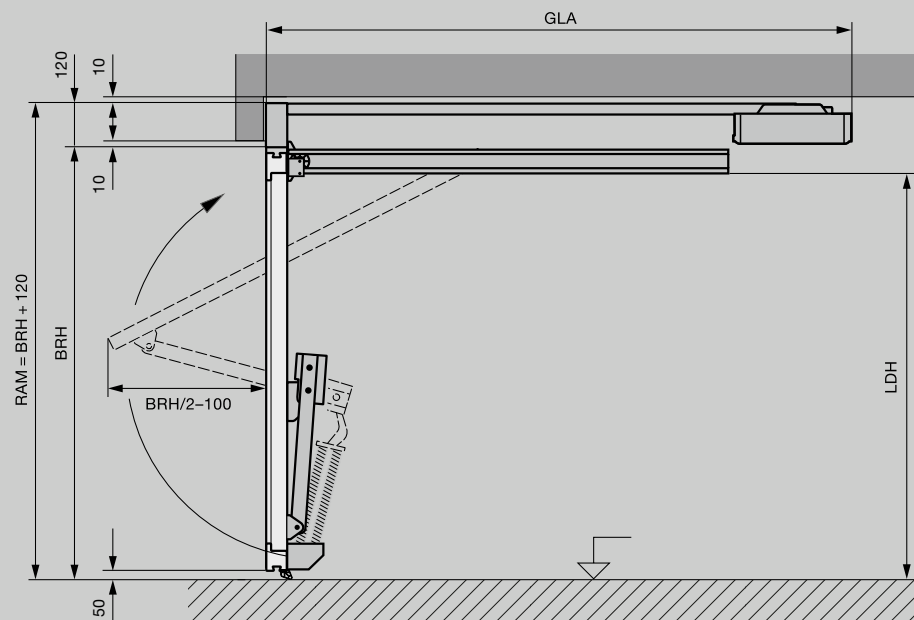
Doors with combined infill

- up to 140 kg (ET 500 L)
- up to 200 kg (ET 500 S)

SIZES AND FITTING DATA N 500

Vertical view N 500

Fitting behind the opening



Explanations

- RAM Overall frame dimension
- LH Clear opening height
- LB Clear opening width
- LDH Clear passage height
- LDB Clear passage width
- BRH Nominal size height (ordering size)
- BRB Nominal size width (ordering size)

Overall length with operator GLA

SupraMatic	
BRH < 2500	3200
BRH < 2750	3450

Clear passage height LDH

BRB < 4000	= BRH - 130
BRB ≥ 4005	= BRH - 170

Clear passage width LDB

LDB	= BRB - 100
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Note

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

Horizontal view N 500

Fitting behind the opening

