

**NEW!**

NOVOPORT® OPERATOR  
WITH DOOR STATUS SIGNAL  
NEW DOOR CONTROL APP  
NIGHT OAK WOOD DECOR



## Sectional garage door systems Welcome home



*Doors close to perfection!*



# Contents



Why opt for sectional garage doors made by Novoferm?



Spring technology



NovoPort® operator system



Door control app  
Smart home system



Patterns, surfaces, colours and textures



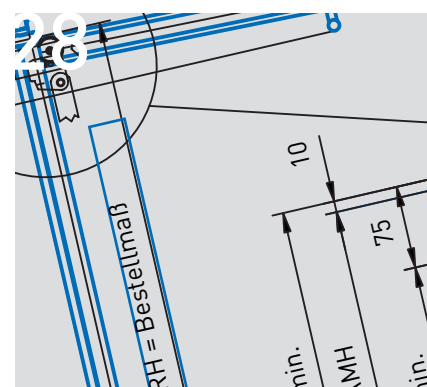
Pass doors and side doors



DuoPort – the double barn  
garage door unit



Garage door finder



Technical data



All Novoferm garage doors and operators are manufactured according to the strict quality management system ISO 9001.

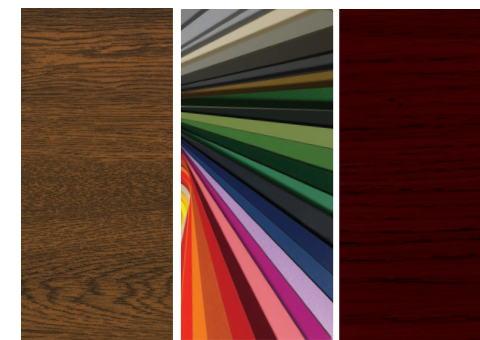
- All sectional garage door systems meet the high safety requirements of the European garage doors standard EN 13241.
- All Novoferm garage doors and operators are tested by recognized institutes both individually and in combination.
- At Novoferm, all garage door operators are tested in combination with all Novoferm garage doors, and comply with current standards and rulings, thus eliminating the possibility of incorrect application.
- What does "TÜV-tested burglar resistance" mean in terms of your safety? The German industry association for garage doors, doors and frames (Industrieverband Tore Türen Zargen (Itz)) has drawn up a guideline that defines burglar resistance based on the existing standards. Tests are performed, and the results certified, by TÜV NORD CERT GmbH. Which means: Certified garage doors made by Novoferm guarantee the highest levels of safety that have been tested by an impartial organization.

- An optional installation kit for Novoferm sectional garage doors provides additional burglar resistance. In testing to Dutch standard NEN 5096 at SKG, burglar resistance has been certified as Class 2.

10 year warranty for all steel sectional garage doors on functional reliability and against rusting from the inside out, with our seal of quality, 5 year warranty on top coated colours and surface finishes, wearing parts, and all mechanical, motor and motor control components of our garage door operators.



# Why opt for sectional garage doors made by Novoferm?



## Quality and durability of our surfaces

All sectional garage doors and sectional garage side doors with coated (Super-Color or RAL of your choice), wood decor (golden oak, dark oak, mahogany, Winchester and night oak) and satin surface finishes (satin white, satin window grey, satin grey, satin dark grey and satin brown) are **top coated** at Novoferm. As well as giving your garage an elegant look, our quality surface finishes are more resistant to environmental factors, so you can enjoy your garage door for longer.



## Premium quality backed up by our warranty

All Novoferm sectional garage doors bear the Novoferm seal of quality. Our garage doors and operators are manufactured in accordance with the ISO 9001 quality management system and comply with the stringent safety requirements of European garage door standard EN 13241. With our seal of quality, we also give ten years warranty for all steel sectional garage doors on functional reliability and against rusting from the inside out. Top coated colours and surface finishes, wearing parts, and all mechanical, motor and motor control components of our garage door operators are covered by five years warranty..

**Why LED?**  
Particularly bright  
13 times brighter than conventional bulbs of identical watt strength.  
Particularly cost efficient  
Extremely long lasting, virtually unlimited service life  
Particularly efficient  
Minimizes energy consumption



## Insulation and energy efficiency

Our sectional garage doors have a 20 or 45 mm core of rigid PUR foam, ensuring good to maximum heat insulation. All our garage door operators and additional hardware (e.g. light strips) are fitted with modern, energy-saving LED lamps for added brightness, and cost and energy efficiency. A further benefit in terms of energy savings is that many of our operators only consume 0.5 W in standby. And our Thermo frame set improves heat insulation by up to 15 %\*.

\* Performance dependent on door pattern and size



## Upgrade your garage with an automatic sectional garage door system

Whether you have a brick or concrete garage, your Novoferm partner can replace the old door with an automatic sectional garage door. How can they do it so quickly? Since Novoferm renovation garage doors are precisely matched to the most common old door sizes, there is no need for extensive modifications to the garage opening, nor for expensive, tailor-made doors. And, if the new sectional garage door is installed behind the opening, you have a larger passage width than before. If the door is installed in front of the opening for reasons of space, we provide you with a high-quality set of aluminium panel frames as a surround.



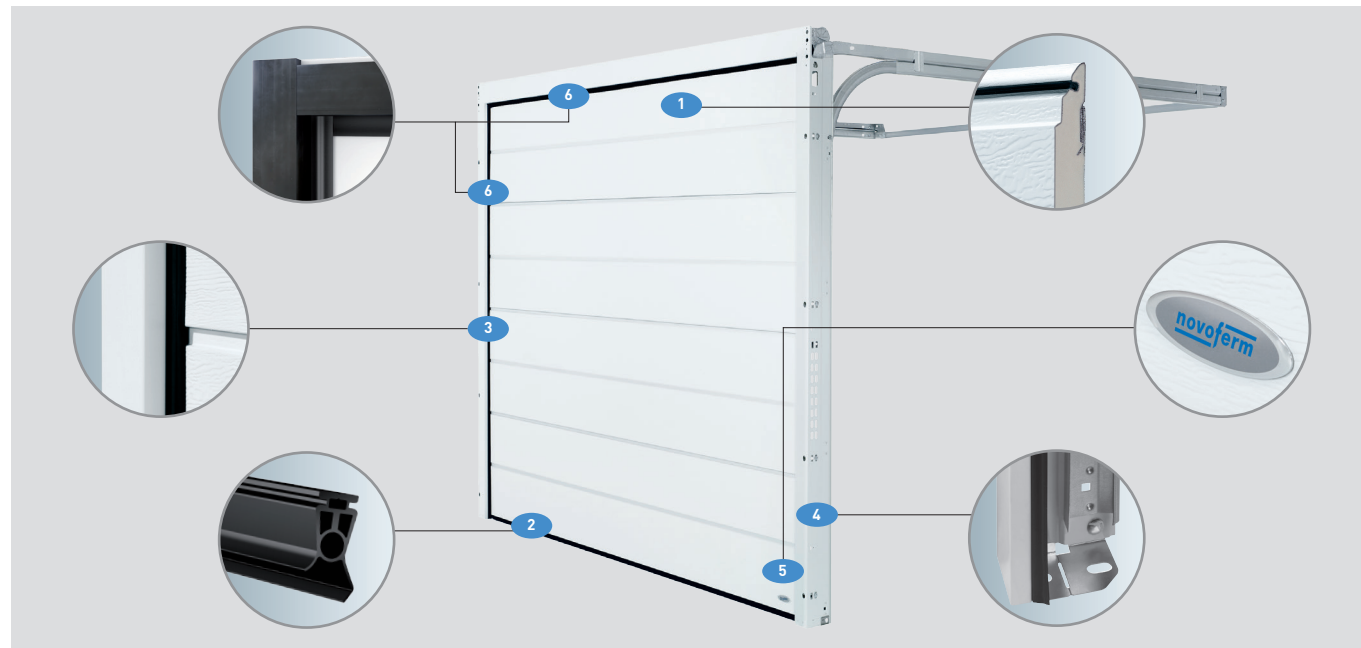
## Tested security

Novoferm's sectional garage doors guarantee the highest levels of safety and security. In addition to offering personal safety and functional reliability for friends and family, thanks to anti-pinch protection (inside and outside) and a torsion spring with spring break safety feature on both sides (ISO 45), they are also resistant to break-ins, thanks to their sophisticated construction. This includes features and functions such as TÜV-tested burglar resistance\*, electronic push-up safeguard and a self-locking gear. There is an optional installation kit for Novoferm sectional garage doors that provides additional burglar resistance and has been tested to Dutch standard NEN 5096 at SKG. The burglar resistance has been certified under the standard's class 2. Tamper-proof remote controls protected by multi-part rolling codes are also available. The remote controls are equipped with AES 128 bit encryption to offer maximum security.

\* For all standard versions of our garage doors (without extras such as pass doors, emergency unlocking, windows, etc.)



# Quality



## 1 Double-skinned and insulated

All our steel sections without exception feature a double-skinned sandwich design filled with an insulating rigid PUR foam core. This ensures improved soundproofing and heat insulation, and quieter door operation compared with single-skinned garage doors. The flexible lip seals between the sections fit closely even at low temperatures. They prevent any heat losses and keep the dust out.

## 2 Frost-proof floor seal

A rubber profile on the bottom edge of the garage door guarantees optimum protection from water and dirt, evens out slight floor unevenness and prevents damage and injuries. The floor seal is made of high-quality EPDM (ethylene propylene diene monomer), which is known for its high elasticity, weather resistance and durability.

## 3 Lip seals on the frame

Extra wide lip seals on the side frame provide even better heat insulation and protection against dirt.

## 4 Adaptable frame base

Novoferm sectional garage doors are fitted with a weatherproof frame base made of galvanized steel. So water and accumulated moisture can drain off freely and the frame will not start to rust, even after long periods. The stepped design is ideal for renovation projects that involve the installation of a sectional garage door to replace an up-and-over door with floor track.

## 5 The Novoferm quality seal

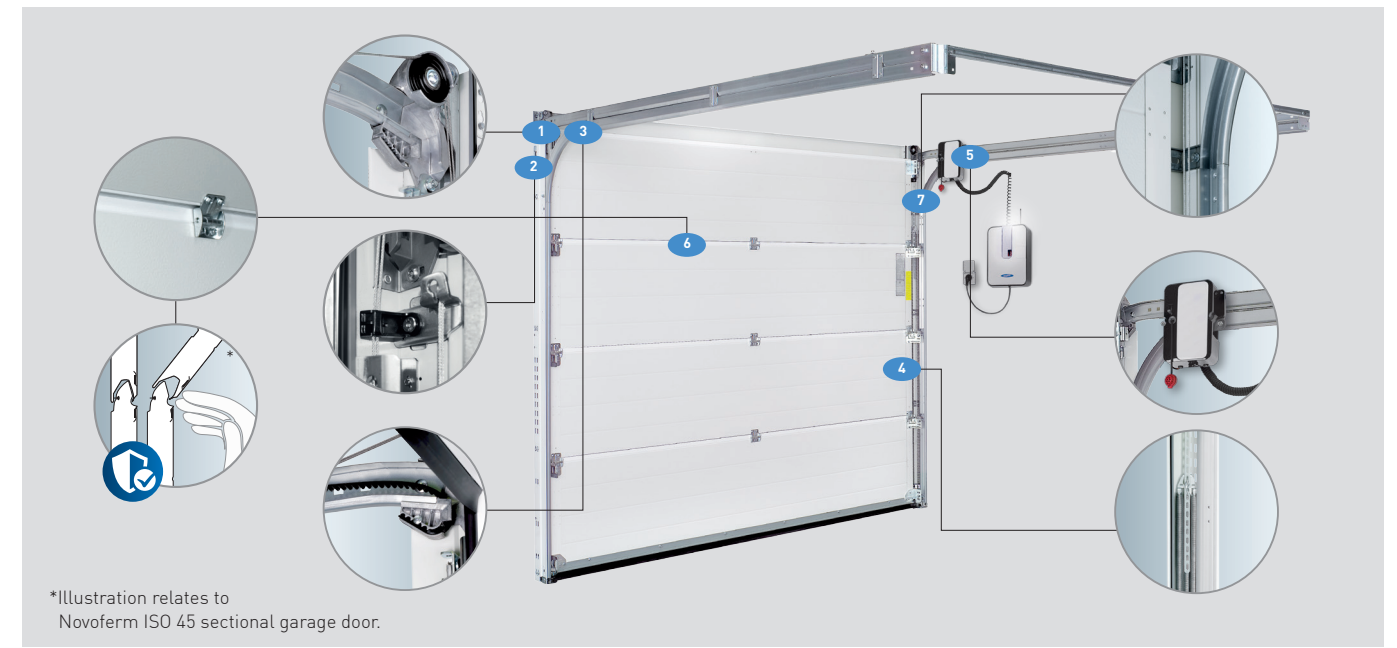
Since quality is definitely not something to be hidden, all Novoferm sectional garage doors bear the Novoferm seal of quality, which guarantees the use of the best materials and a top-class finish!

## 6 Thermo frame set

The optional sealing and insulating strip system further improves the already excellent performance of double-skinned Novoferm E® sectional garage doors. The thermal optimization on three sides of the frame enhances insulation performance by up to 15%\* when mounted behind the opening. A plug and clip profile ensures quick and easy installation and can be used on all Novoferm E® sectional doors. The Thermo frame set actively supports the optimization of building performance.

\* This performance is dependent on the door pattern and size

# Vertical tension spring



\*Illustration relates to Novoferm ISO 45 sectional garage door.

Novoferm is now supplying its ISO 20 and ISO 45 sectional garage doors in widths up to 3000 mm and heights up to 2500 mm (smooth) or 2750 mm (Woodgrain) with a standard vertical tension spring system. Novoferm sectional garage doors are the perfect choice for renovations with their narrow rebate width of **just 80 mm** on each side.

## 1 Interference-protected deflection pulley

The steel cables run vertically into the angular frame on interference-protected deflection pulleys mounted on ball bearings with U-shaped roller holders. This reduces the height requirement compared to a front-mounted torsion spring.

## 2 Cable mount

Together with the steel cable holder, the newly designed cable mount keeps the steel cables running smoothly in the angular frame without them touching the insulated sections. The separate door guide ensures optimum closure of the door.

## 3 Integrated belt fastening

The moulded end piece contains an integrated fastener for the NovoPort® belt. The maintenance-free belt is fastened securely in the holder.

## 4 Multiple tension spring assemblies

The tension spring garage doors are equipped with sturdy multiple tension spring assemblies. The springs are adjusted at the top end of the assembly. The vertical tension springs require less installation depth and open up new possibilities when space is confined.

## 5 NovoPort® – unique and flexible

The NovoPort® operator system not only offers maximum convenience during operation, but also during installation. After all, the motor is not fixed to the ceiling like conventional operators, but simply integrated into the side garage door track – either on the left or the right depending on the structural conditions. So no ceiling assembly is required.

## 6 Anti-pinch inside and out

The special design of the sections and hinges prevents pinching on the door leaf from the outset. Pinching is not a risk on the inside of Novoferm doors either.

## 7 Interference protection and cables channelled down the inside

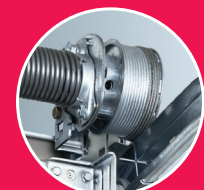
The angular frames make it almost impossible to reach between the door leaf and the frame. Suspension cables arranged inside minimize the risk of injury and guarantee maximum operational reliability.

## PLUS The advantages at a glance

- Easy to install; low installation height
- The spring is easy to adjust
- The horizontal tracks are shorter (require less space)
- NovoPort® is easy and fast to install
- Lower standard headroom requirement
- Added to which, the vertical tension spring system on ISO 45 sectional garage doors is cheaper than the torsion spring version

### Torsion springs for ISO 45

For a modest surcharge, our high-quality ISO 45 sectional garage doors (up to 3000 x 2750 mm (WxH))\* can be supplied with torsion springs with maintenance-free spring fracture safety device that is tested to EN 12604. All larger versions are standard equipped with our torsion springs, thus ensuring that the garage door is held firmly and can be pushed up, even if a spring breaks.



\*For models with Woodgrain finish. The size restriction for models with smooth surfaces is max. 3000 x 2500 mm.



# NEW!

EXCELLENT ENERGY  
SAVING PROPERTIES

stand-by  
**0,5**  
Watt

## PLUS

### Advantages at a glance

- The operating element is fitted with modern and energy-saving LED lighting that shines 13 times brighter than a conventional bulb of identical wattage
- The LED lighting (1.6 W) integrated in the control unit switches on automatically when the garage is opened; the lighting duration can be programmed from 1 to 4 minutes
- The remote control unit has automatic AES 128 bit signal encryption to ensure the utmost protection against manipulation
- Quick and easy operation with 3-channel rolling code remote control  
Apart from the remote control, the operator can also be controlled by push button, key button or coded key pad mounted on the garage wall. Radio controlled; no wiring whatsoever. Which saves money!
- LED (red, yellow, green) garage door status display on remote control
- Soft start and stop function.
- Integrated fault diagnostics facilitates potential service work

Five-year manufacturer's warranty on all mechanical, motor and motor control components.



ONLY AT  
NOVOFERM

APP CONTROL FOR  
YOUR SECTIONAL  
GARAGE DOOR



## Exclusive convenience: The NovoPort® system.

Anyone who is planning to replace their garage door wants one with a better appearance and engineering. The combined NovoPort® system consisting of garage door, operator and remote control is the perfect solution. Its new design and bi-directional radio signalling capability make it best in class across the board. And its energy consumption in standby is extremely low, at 0.5 W. All elements in the NovoPort® system have been perfectly matched to each other and certified to the latest safety standards by an impartial institute. Five-year warranty on all mechanical, motor and motor control components! Renovating a garage door using just the NovoPort® system made by Novoferm is as easy and convenient as this.



The Homematic IP app from eQ-3 or the TYDOM app from Delta Dore are available free of charge from the App Store or Google Play, and run on both Apple and Android systems. When using either of the apps or when out of sight of the sectional garage door, the automatic door system must be protected by an additional opto sensor, alongside the standard power limiter. The apps cannot be used to operate up-and-over garage doors.

## NovoPort®

NEW!  
INNOVATIVE  
DESIGN



NEW!  
BI-DIRECTIONAL  
RADIO



NEW!



### Innovative and powerful

Advanced technology belongs in a modern casing. Our premium NovoPort® operator is both trendy and stylish. Novoferm's NovoPort® garage door operator combines cutting-edge technology with the highest level of energy efficiency. Impressive features include a new design, state-of-the-art LED technology, stability and enhanced performance. In conjunction with a sectional garage door, it can be controlled using the Homematic IP or TYDOM app, which you can download free of charge from the App Store or Google Play.

### Bi-directional radio capability for displaying garage door status

Thanks to bi-directional radio capability, garage doors can now be operated reliably and transparently using the Mini-Novotron 523 Protect remote control in conjunction with the Homematic IP or TYDOM app. Its bi-directional radio capability for signalling status makes it best in class across the board as well as enabling users to check the status of their garage door (open/closed) on the new remote control or their smartphone.

### Ventilation setting to air the garage

The door is opened about 10 cm to air the garage. Pulse triggering the second key on the remote control or any other pulse generator moves the door from wherever it is to the ventilation position. After 60 minutes it closes automatically unless closed by remote control beforehand.

### Remote control included in the standard scope of supply

The standard scope of supply includes a 3-channel Mini-Novotron 523 Protect remote control. **NEW:** Multi-coloured LED garage door status display (open/closed) on the remote control. Further accessories are available starting on page 26.

## Assembly advantages



- 1 No additional operator track**  
The NovoPort® operator is directly integrated into the side garage door track. This saves on the cost of materials, installation and maintenance.
- 2 No extra space required**  
No loss of headroom space No on-site related installation problems.
- 3 No suspension of the ceiling or drive unit**  
Special suspension structures often have to be created to enable the operator to be mounted on high garage ceilings. This is not the case with NovoPort®.
- 4 No ceiling assembly**  
No installation problems in the ceiling area: Lighting, beams or drainpipes do not have to be dismantled or bypassed. No difficult drilling into reinforced concrete ceilings, no use of special wall plugs in gypsum plasterboards, no danger of drilling through thin ceilings, no soiling of operator components caused by drilling dust.
- 5 No increased installation depth**  
Track-guided operators protrude approx. 30-40 cm outwards beyond the garage door and often have to be shortened on the building site. NovoPort® always fits correctly!





**NEW!**  
 SMART HOME APP  
 FREE APP FOR IOS AND  
 ANDROID

Pattern: Large rib  
 Surface finish / Colour: Satin grey (composite shade)  
 Illustration features Homematic IP App

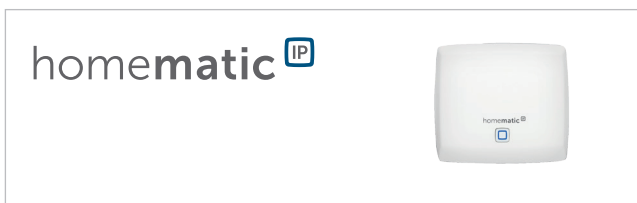
# Smartphone instead of remote control. Now you can control your sectional garage door with an app!

If you own a sectional garage door and buy a new Novoferm garage door operator (NovoPort®, Novomatic 423 and Novomatic 563 S), you can now add to your app collection. The Homematic IP app from eQ-3 or the TYDOM app from Delta Dore are available free of charge from the App Store or Google Play. Both apps are therefore suitable for both Apple and Android systems. With app installed, swipe the touchscreen to open or close your sectional garage door, control the lighting, or display the drive parameters. You can also activate the air vent setting with the Homematic IP app. An app can only be used if you install the relevant gateway (Homematic IP Access Point or TYDOM 1.0) and the matching Novoferm plug-in module, which you can obtain from a Novoferm sales partner near you. When using the Homematic IP or TYDOM app or when out of sight of the sectional garage door, the automatic sectional garage door system must be protected by an additional opto sensor, alongside the standard power limiter. The apps cannot be used to operate up-and-over garage doors..

The functions are dependent on the smart home system provider, components and release version!

# Smart home systems

Smart garage door operators made by Novoferm can be used with standard smart home systems. Together with our partners Homematic (eQ-3) and Delta Dore, we offer a range of options for making your house smart. You can make use of the extensive features offered by the relevant smart home systems.



- Homematic IP access point**
- Connects a smartphone to Homematic IP devices via the Homematic IP cloud
  - Passes configuration data and control commands on from smartphone to Homematic IP devices
  - Particularly reliable IP wireless protocol based on 868 MHz
  - Extremely secure thanks to extensive AES encryption and server located in Germany
  - Network cable connection to a conventional router



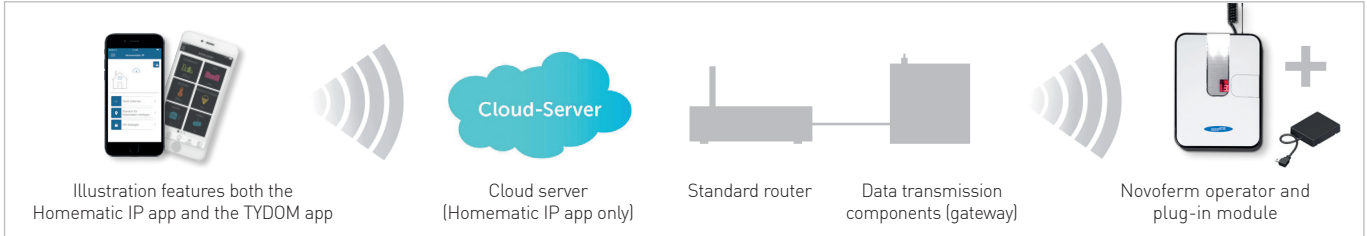
- Delta Dore TYDOM 1.0 gateway**
- The gateway is connected to the router by LAN or by means of a LAN socket. The gateway is more or less its own "web server". In other words, there is no cloud in the background. The gateway can be accessed from outside by means of a fixed IP address (outside the WLAN network by GSM, for example). In addition to the plug-in module for our garage door operators, numerous other Delta Dore components can also be connected.
- Connection to the router via LAN cable
  - No need for WiFi configuration, no cloud in the background
  - Easy installation ("plug and play")
  - Numerous components can be added (light switches, temperature sensors, cameras, etc.)



**Novoferm plug-in module**

The relevant app can only be used if you install the appropriate gateway offered by the provider of your choice. The relevant Novoferm plug-in module makes your operator smart. The module can be used with all current operators (except Novomatic 823 S) built in or after 2016. The mini USB interface plugs in, making installation easy.

## How the apps work



# PLUS The advantages at a glance

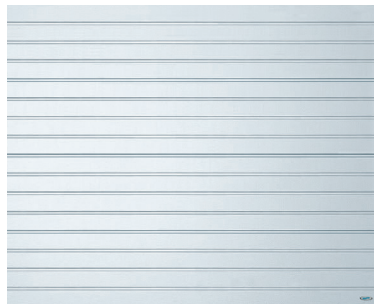
- Control your entire smart home with one app
- Intuitive operation using the app with modern gesture control
- Door control and status check via smartphone and tablet
- Operator lighting can be controlled whether the door is moving or not
- Air vent setting control for optimum garage ventilation
- Several sectional garage doors can be controlled from one app
- Optional direct or individual scene control
- Control without time or location constraints for maximum flexibility

The functions are dependent on the smart home system provider, components and release version!

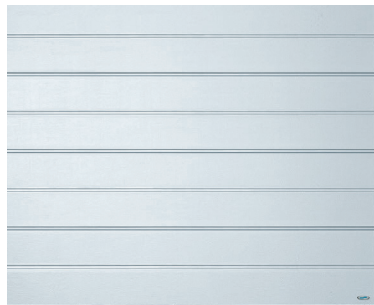


# Door patterns

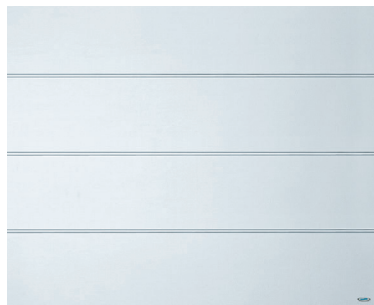
For single garages



Horizontal rib



Large rib



Flush

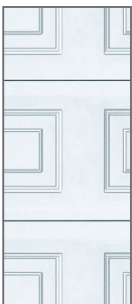
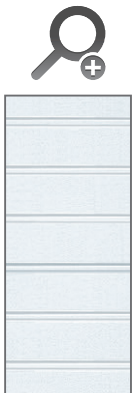
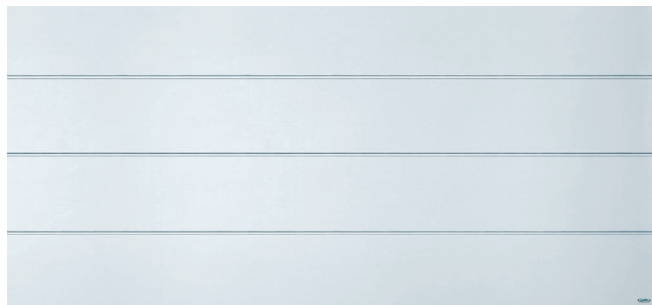
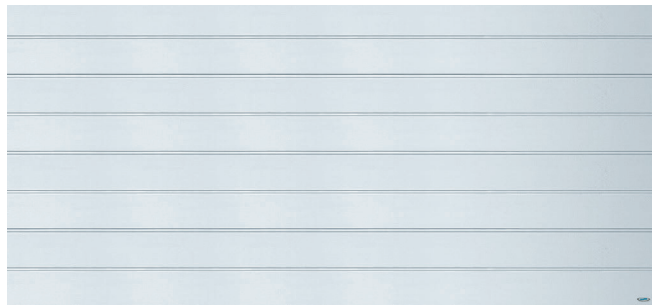
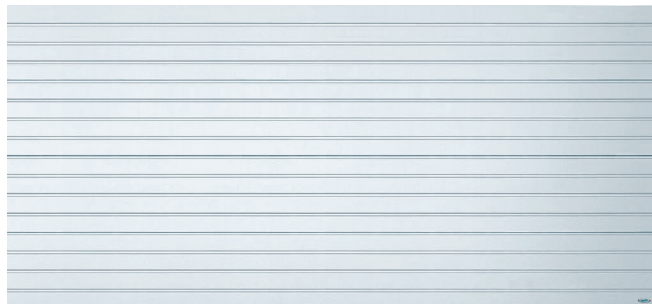


Microline (flush)



Raised panel

For double garages up to 5.50 m in width



Illustrations show garage leaf door size 2500 x 2125 mm for single garages and garage leaf door size 4500 x 2125 mm for double garages. Other garage door sizes can deviate from the illustration shown.

# Surfaces, structures and colours

## More colour and individuality

Our ISO 20 and ISO 45 sectional garage doors are available on request in a subtly grained Woodgrain wood decor or in the elegant smooth surface Noblesse, which simply repels dust and moisture. For further individualization, you can choose from eleven **top coated**, attractively priced Super Colors/preferred colours and nearly all RAL colours (ISO 45).



Woodgrain



Noblesse (smooth)

## Super Colors / preferred colours



Steel blue,  
similar to  
RAL 5011



Moss green,  
similar to  
RAL 6005



Fir green,  
similar to  
RAL 6009



Light grey,  
similar to  
RAL 7035



Window grey,  
similar to  
RAL 7040



White aluminium,  
similar to  
RAL 9006



Grey aluminium,  
similar to  
RAL 9007



Anthracite grey,  
similar to  
RAL 7016



Ochre brown,  
similar to  
RAL 8001



Nut brown,  
similar to  
RAL 8011



Sepia brown,  
similar to  
RAL 8014

## RAL colours for ISO 45

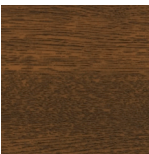


Can't find the colour you want?  
The door is available in an RAL  
colour of your choice for a modest  
surcharge.

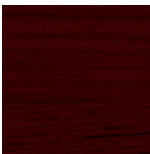
## Wood decors



Golden oak (smooth)



Dark oak (smooth)



Mahogany (smooth)



Winchester (smooth)



Night oak (smooth)

Our ISO 45 sectional garage doors are available with five different weather resistant, **top coated** finishes featuring authentic, rustic wood effects. In addition to the large rib pattern, you can now also order all the wood decors for flush and some raised panel patterns (not Winchester and night oak).

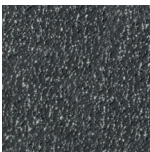
## Enjoy our satin surface finishes!



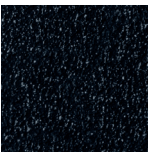
Satin white,  
similar to RAL 9016



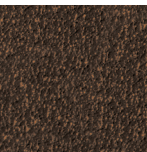
Satin window grey,  
similar to RAL 7040



Satin grey  
(composite shade)



Satin dark grey,  
similar to  
RAL 7016



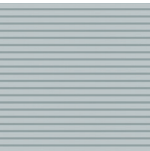
Satin brown,  
similar to  
RAL 8014

Our ISO 45 sectional garage doors are available in a choice of five decorative, **top coated** matt satin surface finishes that have a low tendency to soil and are exceptionally weather resistant.

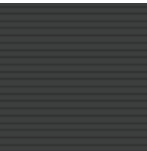
## Microline pattern (flush) in satin white, satin window grey, satin grey and satin dark grey



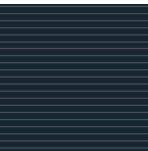
Microline (flush)  
Satin white,  
similar to RAL 9016



Microline (flush)  
Satin window grey,  
similar to RAL 7040



Microline (flush)  
Satin grey  
(composite shade)



Microline (flush)  
Satin dark grey,  
similar to RAL 7016

Our popular Microline (flush) industrial door pattern is available exclusively for the flush pattern for ISO 45 sectional garage doors in satin white, satin window grey, satin grey and satin dark grey. This is a modern, profiled wave texture with a striking light and shade effect.



# Outward-opening pass doors

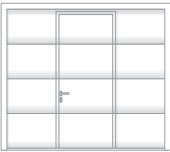


Pattern: Large rib  
Surface: Noblesse (smooth)  
Colour: Traffic white, similar to RAL 9016

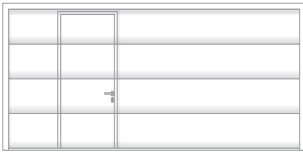
## Perfectly integrated: Pass doors with matching design

If your garage is too narrow for a side door, but you don't want to have to do without that convenience, then we recommend an integrated pass door. Pass doors are available for all ISO 45 exclusive garage doors up to a width of 5 m. They offer a practical passage width of 85 cm (raised panel designs: 60 cm) and are fitted with double-skinned insulation to ensure perfect thermal performance.

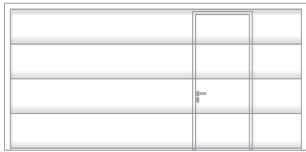
Pass doors are arranged centrally or asymmetrically depending on the garage door width



Symmetrical position on BRB 2000 - 3500 mm - centre only.



Asymmetrical position on BRB 3501 - 4250 mm - left or right of centre



## Pass door panels with and without glazing



Horizontal rib



Large rib



Flush



Raised panel

Pass doors are available for exclusive garage doors in the patterns shown on the left. Glazing variants for all garage door patterns: Standard, cross bar, light or rhombus windows. Illustrations show garage door leaf size 2500 x 2125 mm. Other garage door sizes can deviate from the illustration shown.



Standard window option



Cross bar window option



Light strip window option



Rhombus window option



## About the door sill

The sturdy door leaf frame combined with the aluminium sill profile with its six cavity reinforcement guarantees superb stability and functional reliability, reducing the degree to which the door leaf bends to a minimum, even when the door is open or the door leaf raised. The height of the black anodized aluminium door sill is just 24 mm, so access is convenient and a bike or moped can be got in and out easily..



Outward-opening pass door

## Door closes automatically

Thanks to the standard outward-opening overhead door closer on outward-opening pass doors. This is especially practical when you've got your hands full, e.g. if you are taking your bicycle, moped or lawnmower out of the garage.



## Softline profiles

Softline profiles (rounded) and concealed hinges ensure the aesthetic overall appearance of the garage door. The door leaf frame is standard painted in traffic white, similar to RAL 9016. It can be varnished in the same colour as the door leaf using any other RAL colour for a small additional charge. In the case of coated door leaves (wood shades, satin white, satin window grey, satin grey, satin dark grey and satin brown), the door leaf frame can be varnished in a toning shade at additional cost.



## Secure multiple locking mechanism

Protect yourself and your property. A multiple locking mechanism on the pass door is highly recommended if your garage offers direct access to the house, or is used as a hobby room or to store an expensive mountain bike. This mechanism locks each of the pass door sections individually and can be centrally activated from both inside and out using the profile cylinder lock.

## Available colours and surface finishes

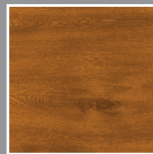
### Surface finishes



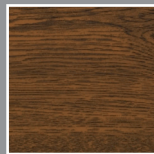
Woodgrain



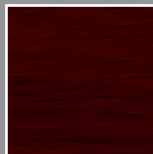
Noblesse (smooth)



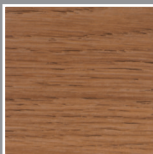
Golden oak (smooth)



Dark oak (smooth)



Mahogany (smooth)

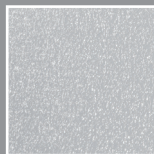


Winchester (smooth)

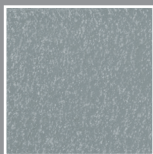


Night oak (smooth)

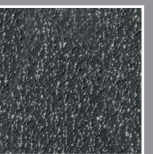
### Satin surface finishes



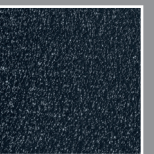
Satin white, similar to RAL 9016



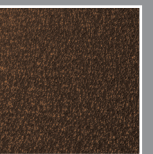
Satin window grey, similar to RAL 7040



Satin grey (composite shade)



Satin dark grey, similar to RAL 7016



Satin brown, similar to RAL 8014



Can't find the colour you want? The door is available in an RAL colour of your choice for a modest surcharge.

You can further individualize your door by choosing one of eleven top-coated, attractively priced Super-Color colours/preferred colours (see garage door finder starting on page 20).  
Note: Wood decor and satin surface finishes are combined with pass door frame profiles in a suitably toning shade.



# Inward-opening pass doors

ONLY AT  
NOVOFERM

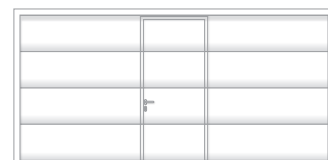


Pattern: Flush  
Surface / Colour: Satin grey, composite shade

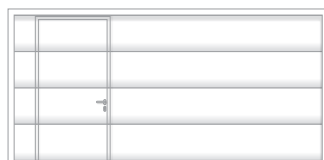
## The perfect choice: inward-opening pass doors

Do you want a sectional garage door with pass door but have a rounded archway, a slope leading to the garage or a pavement with a lot of pedestrian traffic? This garage door provides the perfect solution Optimum people and property protection by doors that open inwards and can be positioned flexibly.

Pass doors are arranged centrally or asymmetrically depending on the garage door width



Symmetrical position on garage doors measuring BRB 2000 - 3500 mm - centre only.



Asymmetrical position on garage doors measuring BRB 2000 - 3500 mm - left or right of centre

## Pass door panels with and without glazing



Horizontal rib



Large rib



Flush

Pass doors are available for Exclusive garage doors in the patterns shown above. Glazing variants for all garage door patterns: Standard, cross bar, light or rhombus windows. Illustrations show garage door leaf size 2500 x 2125 mm. Other garage door sizes can deviate from the illustration shown.



Standard window option



Cross bar window option



Rhombus window option



## About the door sill

The sturdy door leaf frame combined with the aluminium sill profile with its six cavity reinforcement guarantees superb stability and functional reliability, reducing the degree to which the door leaf bends to a minimum, even when the door is open or the door leaf raised. The height of the black anodized aluminium door sill is just 24 mm, so access is convenient and a bike or moped can be got in and out easily.



Inward-opening pass door

## Door closes automatically

Thanks to the inward-opening, non-visible overhead door closer on inward-opening pass doors. This is especially practical when you've got your hands full, e.g. if you are taking your bicycle, moped or lawnmower out of the garage.



## Softline profiles

Softline profiles (rounded) and concealed hinges ensure the aesthetic overall appearance of the garage door. The door leaf frame is standard painted in traffic white, similar to RAL 9016. It can be varnished in the same colour as the door leaf using any other RAL colour for a small additional charge. In the case of coated door leaves (golden oak - the only wood decor available for inward-opening pass doors - satin white, satin window grey, satin grey, satin dark grey and satin brown), the door leaf frame can be varnished in a toning shade at additional cost.



## Secure multiple locking mechanism

Protect yourself and your property. A multiple locking mechanism on the pass door is highly recommended if your garage offers direct access to the house, or is used as a hobby room or to store an expensive mountain bike. This mechanism locks each of the pass door sections individually and can be centrally activated from both inside and out using the profile cylinder lock. **Multiple locks are standard on inward-opening pass doors.**

## Available colours and surface finishes

### Surface finishes



Woodgrain



Noblesse (smooth)

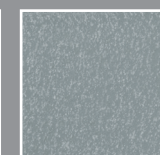


Golden oak (smooth)

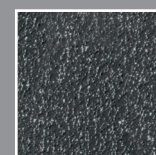
### Satin surface finishes



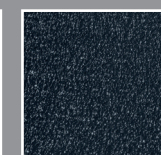
Satin white, similar to RAL 9016



Satin window grey, similar to RAL 7040



Satin grey (composite shade)



Satin dark grey, similar to RAL 7016



Satin brown, similar to RAL 8014

### RAL colours



Can't find the colour you want? The door is available in an RAL colour of your choice for a modest surcharge.

You can further individualize your door by choosing one of eleven top-coated, attractively priced Super-Color colours/preferred colours (see garage door finder starting on page 20).  
Note: Wood decor and satin surface finishes are combined with pass door frame profiles in a suitably toning shade.



IDENTICAL APPEARANCE  
OF SECTIONAL GARAGE  
DOOR AND SIDE DOOR



Pattern: Flush  
Surface: Noblesse (smooth)  
Colour: Steel blue, similar to RAL 5011

## Side doors: Let luxury into your home

Don't want to always have to raise and lower the door for your bike, lawn mower or screwdriver? Then Novoferm has the practical solution for you: we offer matching side doors for all sectional garage doors – for quick and easy access that also looks good. And the workmanship is something to be proud of as well: All side doors are made from high-quality aluminium profiles. The infills are fashioned from double-skinned galvanized sheet steel with rigid PUR foam core.

# Side doors

Patterns for 1-leaf side doors, garage door type ISO 20 / ISO 45



1. **Horizontal rib**  
Traffic white,  
similar to RAL 9016



2. **Large rib**  
Traffic white,  
similar to RAL 9016



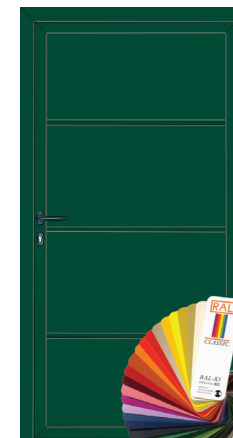
3. **Flush**  
Traffic white,  
similar to RAL 9016



4. **Microline (flush)**  
(ISO 45 only) Satin white,  
similar to RAL 9016



5. **Raised panel**  
(ISO 45 only) Traffic white,  
similar to RAL 9016



6. **Flush**  
Moss green,  
similar to RAL 6005



7. **Flush**  
Golden oak (ISO 45 only)



8. **Large rib**  
Satin dark grey, similar  
to RAL 7016 (ISO 45 only)

Note: Side doors with wood decor and satin surface finishes are combined with aluminium profiles in a suitably toning shade.



Novoferm side doors are available in a wide range of door patterns, surfaces and colours. They are standard fitted with a black rounded handle set and security lock. For more information, please consult our garage door finder starting on page 20.

## Precise processing – reliable operation

All door leaf frames are made of aluminium and guarantee maximum weather resistance, while robust hinges ensure long-term, dimensionally accurate opening and closing.



3-point locking (optional)



Hinge lock (optional)

## The ideal frame for every door

Different frames are available, depending on the installation situation:

- Block frame (opens inwards or outwards)
- Corner frame with 3 or 4 sides
- Clamp frame with 3 sides (for ready-made garages only)



Corner frame, outside



Block frame, inside



**NEW!**  
up to 3000 mm wide



Pattern: Horizontal rib  
Surface: Woodgrain  
Colour: Anthracite grey, similar to RAL 7016

## DuoPort – the double barn door unit for enhanced scope in your garage

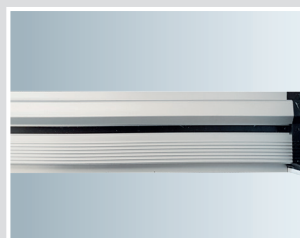
In addition to their superb insulation performance, our insulated Duo-Port barn doors give you the option of using your garage as a utility room, for leisure time or hobbies. You can choose whether to open both leaves or only the active leaf, depending on your particular requirements. High-quality, sustainable materials, outstanding workmanship and a very wide choice of options give your garage a timeless look.

### Accurate workmanship and the details you've come to expect

All our door leaf frames are made of aluminium and guarantee maximum weather resistance. Further special features of our barn garage doors are listed below:



45 mm insulation and thermally separated profiles (optional)



Thermally separated floor track



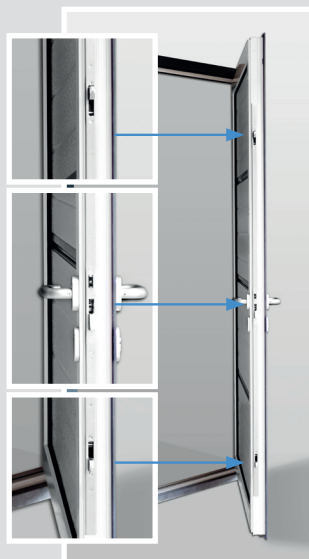
Gas pressure absorbers to ensure end position, optional upper door closer (with/without catch locking) available



Flush bolt to lock the inactive leaf (top and bottom)



Easily adjustable, sturdy 3D hinges, available in door colour at an additional cost



3-point locking (optional)

# DuoPort

## Patterns for double barn garage door units



1. **Horizontal rib**  
Traffic white, similar to RAL 9016



2. **Large rib**  
Traffic white, similar to RAL 9016



3. **Flush**  
Steel blue, similar to RAL 5011



4. **Raised panel**  
Fir green, similar to RAL 6009

Our DuoPort barn garage doors are available in a wide choice of surface finishes and colours. For more information, please consult our garage door finder starting on page 20. Note: Double barn garage door units with wood decor and satin surface finishes are combined with aluminium profiles in a suitably toning shade.

## Your options



Woodgrain



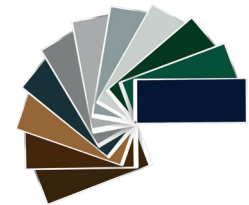
Noblesse (smooth)



Wood decors



Satin surface finishes



Super Colors



RAL colours

You can further individualize your door by choosing one of eleven top-coated, attractively priced Super-Color colours/preferred colours and virtually any RAL colour (see garage door finder starting on page 20).

## PLUS The advantages at a glance

- Ideal for private garages with an opening width and height from 1750 x 1750 mm (symmetric division) to max. 3000 x 2500 mm. A third hinge is mounted 150 mm below the top hinge on coordinating heights of 2251 mm or more.
- 45 mm rigid PUR foam core for good thermal insulation
- Thermally separated profile (optional)
- Thermally separated floor track
- Optional gas pressure absorber to safeguard the end positions, or overhead door closer with catch lock
- Practical block frame for flexible installation
- Wide range of patterns, surface finishes, attractively priced Super Colors and nearly all RAL colours as well as additional features such as glazing
- Leaf opens either outwards or inwards
- Active leaf can be positioned either on the right or on the left
- Burglar resistant 3-point lock (optional)
- Easy adjustment thanks to standard sturdy 3D hinges
- Inside door leaf: Polyester based primer, sections in grey white, similar to RAL 9002, profiles in traffic white, similar to RAL 9016
- Outside door leaf (standard): Traffic white, similar to RAL 9016
- Outside door leaf: Super Color or RAL of your choice at additional cost



Garage door facts

- For private garages up to 3 m in width
- Smooth running and stable, with double-skinned, galvanized steel sections
- High degree of safety with anti-pinch feature inside and out (as per EN 12604) as well as interference-protected multiple safety tension spring assemblies
- Good heat insulation with 20 mm rigid PUR foam core (heat insulation value K = 1.0 W/m²K)
- Inside door leaf: Polyester based primer, grey white, similar to RAL 9002
- Outside door leaf (standard): Traffic white, similar to RAL 9016 (prime coated)
- Outside door leaf: Super Color/preferred colour at additional cost (**top coated**)

Our ISO 20 sectional garage doors with vertical tension spring system are fitted with multiple safety tension spring assemblies.



Insulation thickness



ISO 20 is filled with a 20 mm rigid foam core, which provides good heat and sound insulation.

ISO 20 surface finishes



Woodgrain  
(horizontal rib and large rib only)



Noblesse (smooth)  
(flush only)



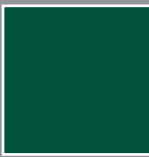
Traffic white,  
similar to RAL 9016

Standard colour

Super Colors / preferred colours



Steel blue,  
similar to RAL 5011



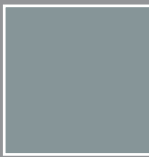
Moss green,  
similar to RAL 6005



Fir green,  
similar to RAL 6009



Light grey,  
similar to RAL 7035



Window grey,  
similar to RAL 7040



White aluminium,  
similar to RAL 9006



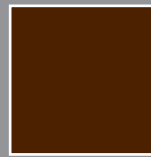
Grey aluminium,  
similar to RAL 9007



Anthracite grey,  
similar to RAL 7016



Ochre brown,  
similar to RAL 8001



Nut brown,  
similar to RAL 8011

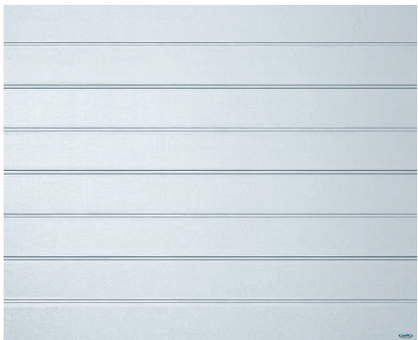


Sepia brown,  
similar to RAL 8014

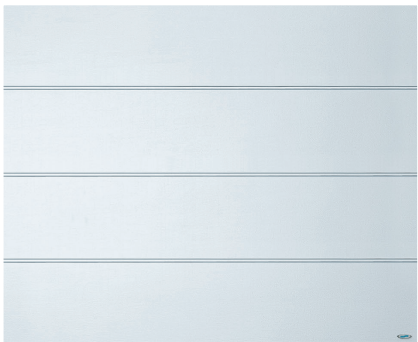
Door patterns



Horizontal rib



Large rib



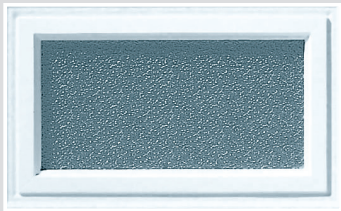
Flush

Side doors

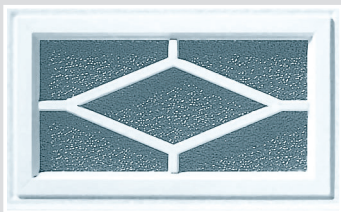


Illustration shows garage door leaf size 2500 x 2125 mm.  
Other garage door sizes can deviate from the illustration shown.

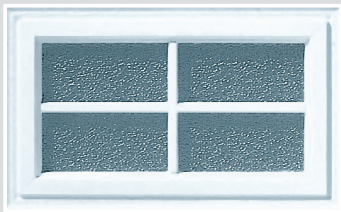
Window



Variant 1: Standard window



Variant 2: Elegant rhombus pattern



Variant 3: Classic cross bar window

Dimensions:  
inside: approx. 392 x 192 mm  
outside: approx. 460 x 260 mm

Window thickness:  
• Large rib pattern: 16 mm double acrylic glazing, transparent or crystal

Door handles



Plastic handle, black (optional)  
You can find additional handles on page 25.



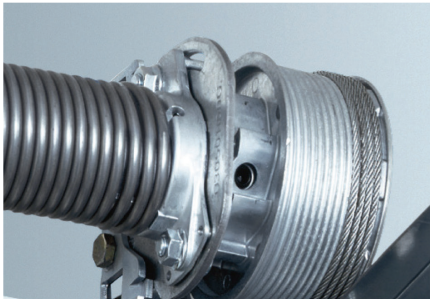
# Garage door finder

ISO 45

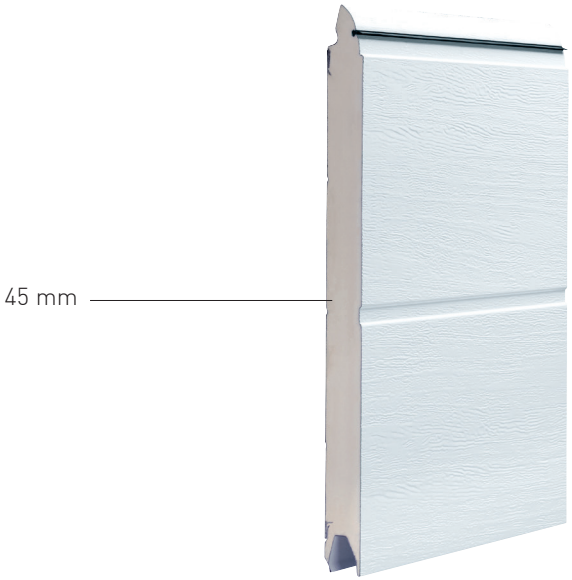
## Garage door facts

- Ideal for private garage sizes ranging from 2250 to 5500 mm
- Widest range of models and equipment:
  - individual design garage door
  - with side door or integrated pass door of the same design
- Smooth running, superbly durable and stable thanks to a sturdy design that is extremely distortion-resistant
- Spring technology either with a vertical tension spring system or with stable torsion spring shafts
- Perfect functional reliability and easy operation with torsion spring with spring break safety feature on both sides
- Maximum personal safety with anti-pinch feature inside and out (as per EN 12604)
- Maximum heat insulation with 45 mm rigid PUR foam core (heat insulation value K = 0.5 W/m²K)
- Inside door leaf: Polyester based primer, grey white, similar to RAL 9002
- Outside door leaf (standard): Traffic white, similar to RAL 9016 (prime coated)
- Outside door leaf: Super Color or RAL of your choice at additional cost (**top coated**)

Our ISO 45 sectional garage doors are available either with a vertical tension spring system or with stable torsion spring shafts with a maintenance-free spring fracture safety device that is tested to EN 12604.

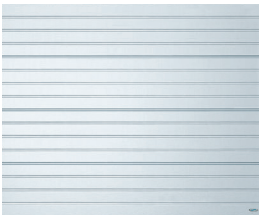


## Insulation thickness

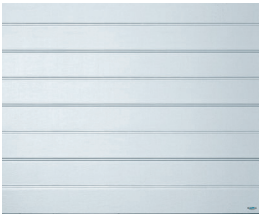


ISO 45 is filled with a 45 mm rigid foam core, which provides max. heat insulation and top soundproofing values.

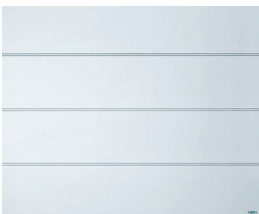
## Door patterns



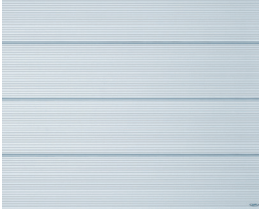
Horizontal rib



Large rib



Flush



Microline (flush)\*



Raised panel

Illustrations show garage door leaf size 2500 x 2125 mm. Other garage door sizes can deviate from the illustration shown.

\* Only available in satin surface finishes: satin white (similar to RAL 9016), satin window grey (similar to RAL 7040), satin grey (composite shade) and satin dark grey (similar to RAL 7016).

## Single leaf side doors



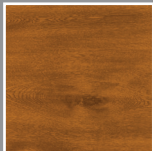
## Pass doors



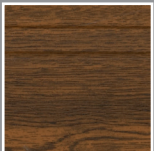
Illustrations show garage door leaf size 2500 x 2125 mm. Other garage door sizes can deviate from the illustration shown.

## Wood decors

Weather resistant top coating featuring authentic rustic wood decors.



Golden oak



Dark oak



Mahogany



Winchester



Night oak

## Satin surface finishes

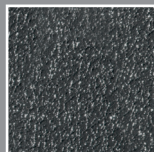
Extremely weather resistant and dent reversible **top coating**, only for ISO 45 garage doors.



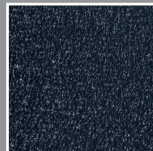
Satin white, similar to RAL 9016



Satin window grey, similar to RAL 7040



Satin grey (composite shade)



Satin dark grey, similar to RAL 7016



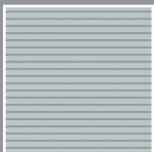
Satin brown, similar to RAL 8014

## Microline (flush)\*

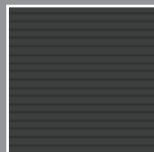
The popular and expressive industrial door profiled finish is now also available for private homes.



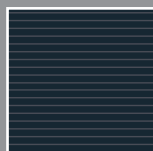
Satin white, similar to RAL 9016



Satin window grey, similar to RAL 7040



Satin grey (composite shade)



Satin dark grey, similar to RAL 7016

## ISO 45 surface finishes



Woodgrain  
The robust classic design with a subtly grained wood texture, repels dust and moisture.



Noblesse (smooth)  
The elegant smooth surface which simply repels dust and moisture.

## Standard colour



Traffic white, similar to RAL 9016

## Super Colors / preferred colours



Steel blue, similar to RAL 5011



Moss green, similar to RAL 6005



Fir green, similar to RAL 6009



Light grey, similar to RAL 7035



Window grey, similar to RAL 7040



White aluminium, similar to RAL 9006



Grey aluminium, similar to RAL 9007



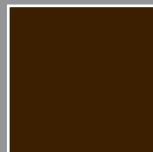
Anthracite grey, similar to RAL 7016



Ochre brown, similar to RAL 8001



Nut brown, similar to RAL 8011



Sepia brown, similar to RAL 8014

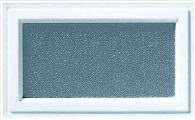
## RAL colours (top coated)



Can't find the colour you want? The door is available in an RAL colour of your choice for a modest surcharge.



Window



Standard window



Cross bar pattern



Rhombus pattern



Sunrise pattern

Dimensions: inside: approx. 392 x 192 mm  
outside: approx. 460 x 260 mm

- Window thicknesses:
- Horizontal rib, large rib and flush: 25 mm acrylic double glazing, transparent or crystal; Sunrise pattern: 20 mm acrylic double glazing,
  - Raised panel pattern: 20 mm double acrylic glazing, transparent or crystal

Door handles



Door handle, plastic coated, in Super Color or RAL colour



Aluminium silver colour anodized



Aluminium, plastic coated, traffic white



Stainless steel

Matching door handles are available in all eleven Super Colors and numerous RAL shades.

Light strip



Pane thickness 16 mm



Acrylic glass with crystal structure



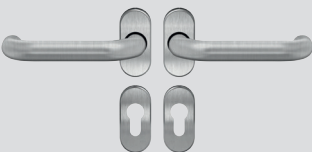
Acrylic double glazing



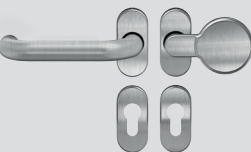
Polycarbonate cross bar double plate

The light strip is also available in expanded grating format with PVC coating.  
Note: Wood decor and satin surface finishes are combined with windows in a suitably toning shade.

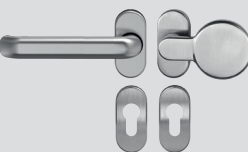
Stainless steel handle sets



Handle set for profile cylinders



Knob-lever set for profile cylinders



Handle set for profile cylinders (lever handle on the outside)

Window cutouts



Porthole with stainless steel frame, 10 mm acrylic double glazing\*  
Dimensions: inside: diameter approx. 290 mm  
outside: diameter approx. 350 mm



Window with stainless steel frame  
Dimensions: inside: approx. 235 x 235 mm  
outside: approx. 320 x 320 mm

\*Only for large rib and flush garage door patterns.

Smart home components for controlling garage doors

homematic IP

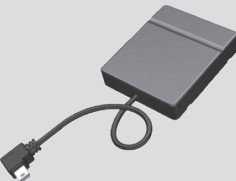
DELTA DORE



Homematic IP access point



Delta Dore TYDOM 1.0 gateway



Novoferm plug-in module

An app can only be used if you install the relevant gateway (Homematic IP Access Point or TYDOM 1.0) and the matching Novoferm plug-in module, which you can obtain from a Novoferm sales partner near you. The plug-in module can be used with all current operators (except Novomatic 823 S). The gateway connection is 868MHz.

Fanlight for single leaf side doors



Dimensions: Width: approx. 720 mm – 1380 mm  
Height: approx. 275 mm – 575 mm



# Garage door finder ISO 20/ ISO 45

## You need the right accessories to go with your hardware of choice.

Because people make different choices, and because the structural conditions for a garage or a sliding door can vary, we offer a wide range of accessories so that you can upgrade our systems to match your own personal requirements. You'll find a selection of the most important accessories on these pages.



### Remote control

All remote controls are compatible with our existing operators.



**Mini-Novotron 522 Design remote control**  
2-channel, 433 MHz, KeeLoq rolling code



**Mini-Novotron 524 Design remote control**  
4-channel, 433 MHz, KeeLoq rolling code



**Mini-Novotron 523 Protect remote control**  
3-channel, 433 MHz, AES 128 Rolling code LED garage door status display, when combined with NovoPort® operator



**Mini-Novotron 522 remote control**  
2-channel, 433 MHz, KeeLoq rolling code



**Mini-Novotron 524 remote control**  
4-channel, 433 MHz, KeeLoq rolling code




**Clip / Silicone case / Wall bracket**  
Suitable for use as a clip (e.g. for fastening to the car visor), or as a case and wall bracket for Mini-Novotron 522 Design / 524 Design, Mini-Novotron 522 / 524 and Mini-Novotron Protect 523



**Mini-Novotron 502 remote control**  
2-channel, 433 MHz, KeeLoq rolling code



**Mini-Novotron 504 remote control**  
4-channel, 433 MHz, KeeLoq rolling code

 A video about Mini-Novotron (using 502 as an example) can be found on the Novoferm YouTube channel: [www.youtube.com/NovofermVideos](http://www.youtube.com/NovofermVideos)



**Micro-Novotron 512 remote control**  
2-channel, 433 MHz, KeeLoq rolling code



**Micro-Novotron 512 Design remote control**  
2-channel, 433 MHz, KeeLoq rolling code



**HS Wall bracket**  
with sun visor clip for Mini-Novotron 502 / 504 and Micro-Novotron 512 / 512 Design



**Signal 601 fingerprint scanner**  
Impulse triggered by memorized fingerprint, can memorize up to 150 signals, protection type IP 65

These remote controls are equipped with AES 128 bit encryption to offer maximum security.

### Radio keypads



**Signal 111 wall-mounted radio keypad**  
2 channels, 433 MHz, KeeLoq rolling code for controlling 2 operators or 1 operator and 1 outside lighting, made of UV-resistant material, available in a choice of black or white



**Signal 218 radio coded keypad**  
10 codes, 433 MHz, KeeLoq rolling code with stainless steel cover, backlit, made of UV-resistant material, available in a choice of black or white

### Keypads



**Signal 112 wall-mounted keypad**  
Start key, holiday switch, continuous light (On/Off), 24 V connection to the operator, made of UV-resistant material, available in a choice of black or white



**Signal 213 coded keypad**  
3 signals, metal keypad, 230 V connection

## Better safe than sorry.

While easy operation is important, the safety of an automatic door system is even more so. Contactless opto sensors are easy to install and ensure safety in the garage door's area of movement. If the garage does not have a second entrance, emergency unlocking allows you to open the garage door from outside in case of a power cut.

### Opto sensors



**Extra 625 one-way opto sensor**  
• 24 V DC, IP 54  
• Range: 8 m  
• Suitable for:  
All operator models



**Extra 626 one-way opto sensor**  
• 20-28 V, IP 50, 2 wire  
• Range: 8 m  
• Suitable for:  
Novomatic 423, 563 S  
NovoPort®



**Extra 628 reflection light opto sensor**  
• 24-240 V AC, 12-240 V DC, IP 54  
• Range: 5 m  
• Can only be used as a pulse generator

### Emergency release



**Extra 315 emergency unlocking**  
• With safety profile half cylinder

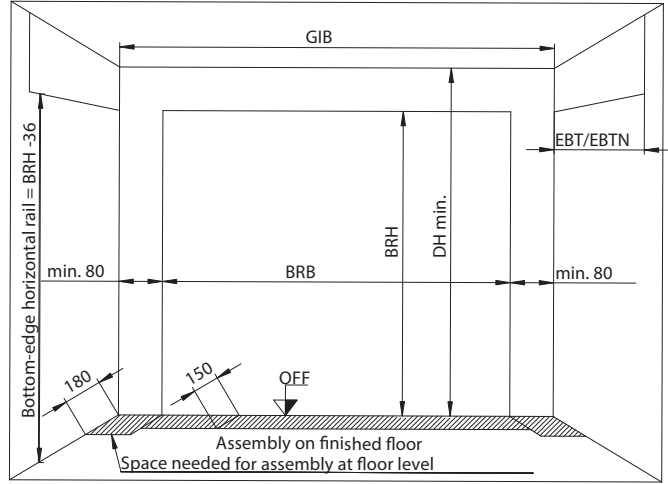


# Sectional garage doors: Technical data at a glance

## Novoferm E® sectional garage door

### Installation dimensions for sectional garage doors

#### Required installation dimensions



- BRB = Coordinating width (order size)
- BRH = Coordinating height (order size)
- DH = Ceiling height (minimum dimension)
- GIB = Interior garage width (minimum dimension)
- EBT = Installation depth of garage door
- EBTN = Installation depth of garage door with Novomatic operators
- RAMB = Outer frame width
- RAMH = Outer frame height
- OFF = Upper edge of finished floor
- LDH = Clear passage height

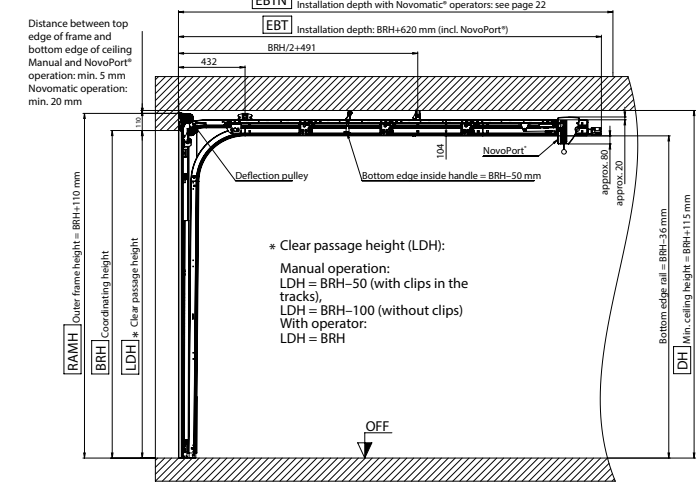
Please consult the "Coordinating widths and heights" table for sizes, or use the drawings to calculate them.

If the structure does not have the required minimum dimensions, panels and profiles can be fitted to compensate.

All dimensions in mm.

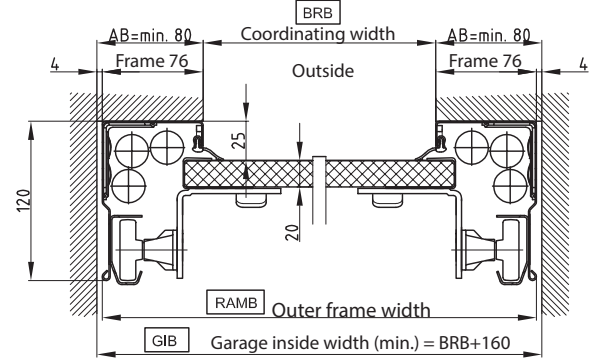
### Installation dimensions for ISO 20 sectional doors

#### Vertical section through garage door



All dimensions in mm.

#### Horizontal section through garage door

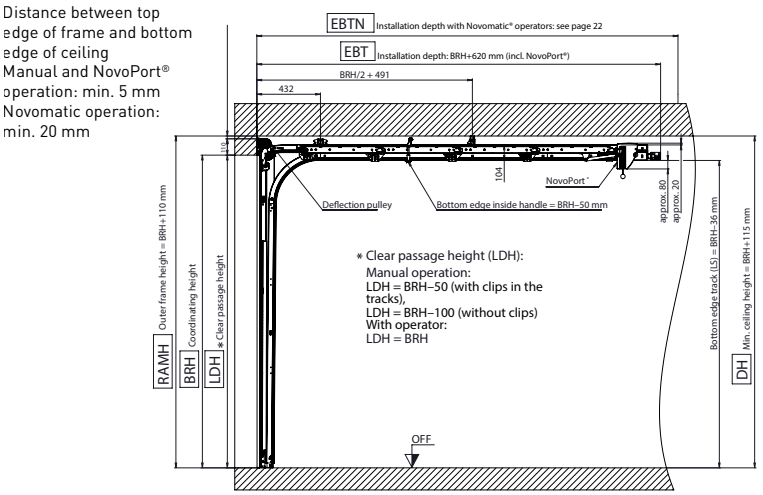


All dimensions in mm.

## Novoferm E® sectional garage door

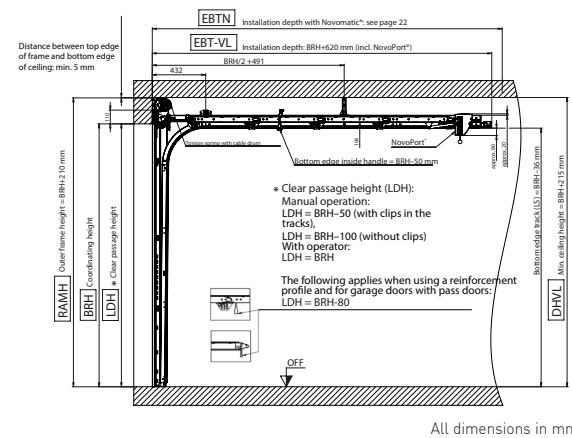
### Installation dimensions for ISO 45 sectional doors

#### Vertical section of tension spring assembly



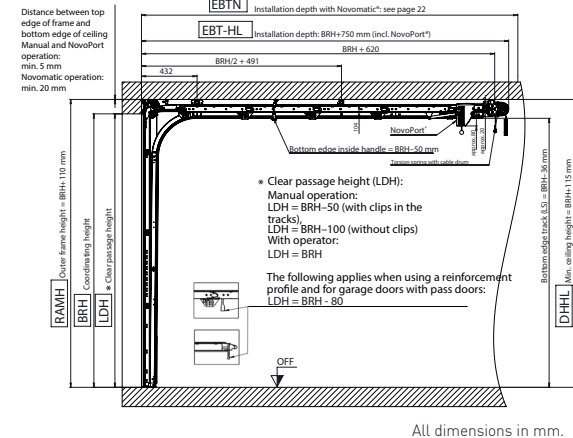
All dimensions in mm.

#### Vertical section of front-mounted torsion spring (VL)



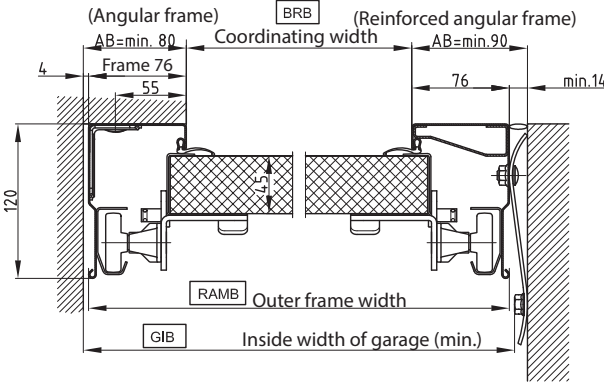
All dimensions in mm.

#### Vertical section of rear-mounted torsion spring (HL)



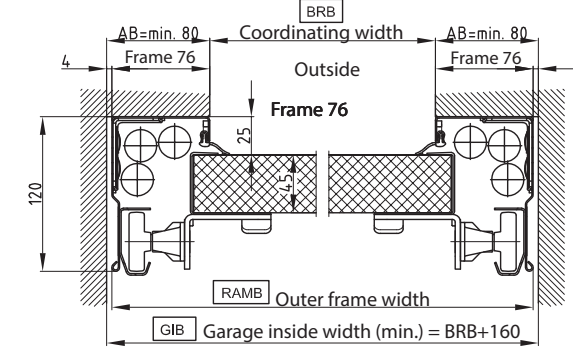
All dimensions in mm.

#### Horizontal section through garage door with torsion spring



All dimensions in mm.

#### Horizontal section through garage door with vertical tension spring assembly



All dimensions in mm.



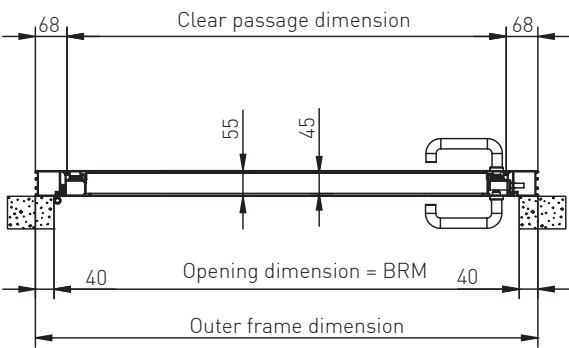
Sectional garage doors: Technical data at a glance

Novoferm E® side doors

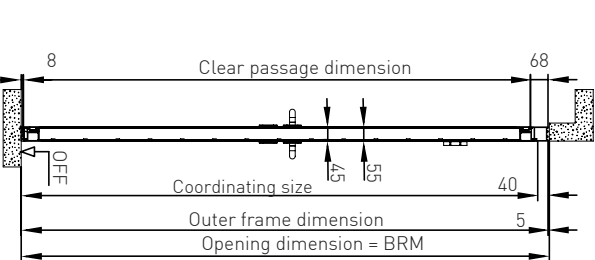
Installation dimensions for side doors

Block frame (opens inwards or outwards)

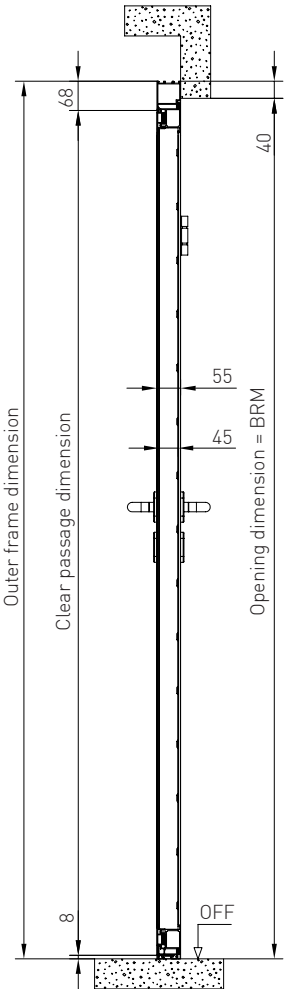
Horizontal section/Installation behind the opening



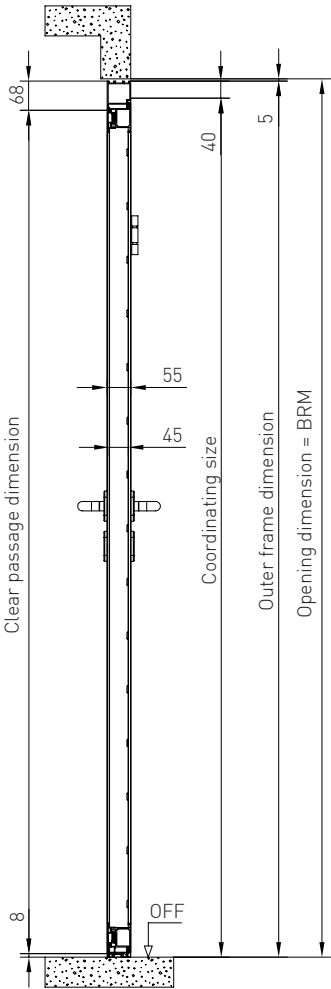
Horizontal section/Installation in the opening



Horizontal section/Installation in the opening



Vertical section/Installation in the opening



Side door design matched to ISO 45

All dimensions in mm.

Novoferm E® sectional garage door

Installation dimensions for ISO 20 sectional doors

Order size (BRM)	Max. wall opening/ garage opening size	Width and height of frame (RAM)	Interior garage dimension (GIB)	Installation depth (EBT)	Ceiling height (DH)	Clear passage height (LDH)	
						Manual operation (with clip)	Operator
2250 x 1875	2340 x 1965	2402 x 1985	2410	2495	1990	1825	1875
2250 x 2000	2340 x 2090	2402 x 2110	2410	2620	2115	1950	2000
2250 x 2125	2340 x 2215	2402 x 2235	2410	2745	2240	2075	2125
2375 x 1875	2465 x 1965	2527 x 1985	2535	2495	1990	1825	1875
2375 x 2000	2465 x 2090	2527 x 2110	2535	2620	2115	1950	2000
2375 x 2075	2465 x 2165	2527 x 2185	2535	2695	2190	2025	2075
2375 x 2125	2465 x 2215	2527 x 2235	2535	2745	2240	2075	2125
2375 x 2250	2465 x 2340	2527 x 2360	2535	2870	2365	2200	2250
2375 x 2375	2465 x 2465	2527 x 2485	2535	2995	2490	2325	2375
2500 x 1875	2590 x 1965	2652 x 1985	2660	2495	1990	1825	1875
2500 x 2000	2590 x 2090	2652 x 2110	2660	2620	2115	1950	2000
2500 x 2075	2590 x 2165	2652 x 2185	2660	2695	2190	2025	2075
2500 x 2125	2590 x 2215	2652 x 2235	2660	2745	2240	2075	2125
2500 x 2250	2590 x 2340	2652 x 2360	2660	2870	2365	2200	2250
2500 x 2375	2590 x 2465	2652 x 2485	2660	2995	2490	2325	2375
2500 x 2500	2590 x 2590	2652 x 2610	2660	3120	2615	2450	2500
2500 x 2750	2590 x 2840	2652 x 2860	2660	3370	2865	2700	2750
2625 x 2125	2715 x 2215	2777 x 2235	2785	2745	2240	2075	2125
2750 x 2000	2840 x 2090	2902 x 2110	2910	2620	2115	1950	2000
2750 x 2125	2840 x 2215	2902 x 2235	2910	2745	2240	2075	2125
3000 x 2000	3090 x 2090	3152 x 2110	3160	2620	2115	1950	2000
3000 x 2125	3090 x 2215	3152 x 2235	3160	2745	2240	2075	2125
3000 x 2250	3090 x 2340	3152 x 2360	3160	2870	2365	2200	2250
3000 x 2375	3090 x 2465	3152 x 2485	3160	2995	2490	2325	2375
3000 x 2500	3090 x 2590	3152 x 2610	3160	3120	2615	2450	2500

All dimensions in mm.

Installation dimensions for ISO 45 sectional doors

Order size (= opt. clear finished dimension) Coordinating sizes (BRM)	Maximum clear finished dimension	Width and height of frame (RAM) (ZF)	Width and height of frame (RAM) (VL)	Width and height of frame (RAM) (HL)	Installation depth (EBT) (ZF)	Installation depth (EBT) (VL)	Installation depth (EBT) (HL)	Interior garage dimension (GIB)	Ceiling height (DH) (ZF)	Ceiling height (DH) (VL)	Ceiling height (DH) (HL)	Clear passage height (LDH)	
												Manual operation	Operator
Width x Height	Width x Height	Width x Height	Width x Height	Width x Height				Width	min.	min.	min.		
2250 x 1875	2340 x 1965	2402 x 1985	2402 x 2083	2402 x 1985	2495	2495	2625	2410	1990	2088	1990	1825	1875
2250 x 2000	2340 x 2090	2402 x 2110	2402 x 2208	2402 x 2110	2620	2620	2750	2410	2115	2213	2115	1950	2000
2250 x 2125	2340 x 2215	2402 x 2235	2402 x 2333	2402 x 2235	2745	2745	2875	2410	2240	2338	2240	2075	2125
2375 x 1875	2465 x 1965	2527 x 1985	2527 x 2083	2527 x 1985	2495	2495	2625	2535	1990	2088	1990	1825	1875
2375 x 2000	2465 x 2090	2527 x 2110	2527 x 2208	2527 x 2110	2620	2620	2750	2535	2115	2213	2115	1950	2000
2375 x 2125	2465 x 2215	2527 x 2235	2527 x 2333	2527 x 2235	2745	2745	2875	2535	2240	2338	2240	2075	2125
2375 x 2250	2465 x 2340	2527 x 2360	2527 x 2458	2527 x 2360	2870	2870	3000	2535	2365	2463	2365	2200	2250
2500 x 1875	2590 x 1965	2652 x 1985	2652 x 2083	2652 x 1985	2495	2495	2625	2660	1990	2088	1990	1825	1875
2500 x 2000	2590 x 2090	2652 x 2110	2652 x 2208	2652 x 2110	2620	2620	2750	2660	2115	2213	2115	1950	2000
2500 x 2125	2590 x 2215	2652 x 2235	2652 x 2333	2652 x 2235	2745	2745	2875	2660	2240	2338	2240	2075	2125
2500 x 2250	2590 x 2340	2652 x 2360	2652 x 2458	2652 x 2360	2870	2870	3000	2660	2365	2463	2365	2200	2250
2500 x 2375	2590 x 2465	2652 x 2485	2652 x 2583	2652 x 2485	2995	2995	3125	2660	2490	2588	2490	2325	2375
2500 x 2500	2590 x 2590	2652 x 2610	2652 x 2708	2652 x 2610	3120	3120	3250	2660	2615	2713	2615	2450	2500
2500 x 2750	2590 x 2840	2652 x 2860	2652 x 2958	2652 x 2860	3370	3370	3500	2660	2865	2963	2865	2700	2750
2625 x 2125	2715 x 2215	2777 x 2235	2777 x 2333	2777 x 2235	2745	2745	2875	2785	2240	2338	2240	2075	2125
2750 x 2000	2840 x 2090	2902 x 2110	2902 x 2208	2902 x 2110	2620	2620	2750	2910	2115	2213	2115	1950	2000
2750 x 2125	2840 x 2215	2902 x 2235	2902 x 2333	2902 x 2235	2745	2745	2875	2910	2240	2338	2240	2075	2125
2750 x 2750	2840 x 2840	2902 x 2860	2902 x 2958	2902 x 2860	3370	3370	3500	2910	2865	2963	2865	2700	2750
3000 x 2000	3090 x 2090	3152 x 2110	3152 x 2208	3152 x 2110	2620	2620	2750	3160	2115	2213	2115	1950	2000
3000 x 2125	3090 x 2215	3152 x 2235	3152 x 2333	3152 x 2235	2745	2745	2875	3160	2240	2338	2240	2075	2125
3000 x 2250	3090 x 2340	3152 x 2360	3152 x 2458	3152 x 2360	2870	2870	3000	3160	2365	2463	2365	2200	2250
3000 x 2375	3090 x 2465	3152 x 2485	3152 x 2583	3152 x 2485	2995	2995	3125	3160	2490	2588	2490	2325	2375
3000 x 2500	3090 x 2590	3152 x 2610	3152 x 2708	3152 x 2610	3120	3120	3250	3160	2615	2713	2615	2450	2500
3000 x 3000	3090 x 3090		3152 x 3208	3152 x 3110		3620	3750	3160		3213	3115	2950	3000
3250 x 2000	3340 x 2090		3402 x 2208	3402 x 2110		2620	2750	3410		2213	2115	1950	2000
3250 x 2125	3340 x 2215		3402 x 2333	3402 x 2235		2745	2875	3410		2338	2240	2075	2125
3250 x 2250	3340 x 2340		3402 x 2458	3402 x 2360		2870	3000	3410		2463	2365	2200	2250
3500 x 2000	3590 x 2090		3652 x 2208	3652 x 2110		2620	2750	3660		2213	2115	1950	2000
3500 x 2125	3590 x 2215		3652 x 2333	3652 x 2235		2745	2875	3660		2338	2240	2075	2125
3500 x 2250	3590 x 2340		3652 x 2458	3652 x 2360		2870	3000	3660		2463	2365	2200	2250
3750 x 2000	3840 x 2090		3902 x 2208	3902 x 2110		2620	2750	3910		2213	2115	1950	2000
3750 x 2125	3840 x 2215		3902 x 2333	3902 x 2235		2745	2875	3910		2338	2240	2075	2125
3750 x 2250	3840 x 2340		3902 x 2458	3902 x 2360		2870	3000	3910		2463	2365	2200	2250
4000 x 2000	4090 x 2090		4152 x 2208	4152 x 2110		2620	2750	4160		2213	2115	1950	2000
4000 x 2125	4090 x 2215		4152 x 2333	4152 x 2235		2745	2875	4160		2338	2240	2075	2125
4000 x 2250	4090 x 2340		4152 x 2458	4152 x 2360		2870	3000	4160		2463	2365	2200	2250
4250 x 2000	4340 x 2090		4402 x 2208	4402 x 2110		2620	2750	4410		2213	2115	1950	2000
4250 x 2125	4340 x 2215		4402 x 2333	4402 x 2235		2745	2875	4410		2338	2240	2075	2125
4250 x 2250	4340 x 2340		4402 x 2458	4402 x 2360		2870	3000	4410		2463	2365	2200	2250
4500 x 2000	4590 x 2090		4652 x 2208	4652 x 2110		2620	2750	4660		2213	2115	1950	2000
4500 x 2125	4590 x 2215		4652 x 2333	4652 x 2235		2745	2875	4660		2338	2240	2075	2125
4500 x 2250	4590 x 2340		4652 x 2458	4652 x 2360		2870	3000	4660		2463	2365	2200	2250
4750 x 2000	4840 x 2090		4902 x 2208	4902 x 2110		2620	2750	4910		2213	2115	1950	2000
4750 x 2125	4840 x 2215		4902 x 2333	4902 x 2235		2745	2875	4910		2338	2240	2075	2125
4750 x 2250	4840 x 2340		4902 x 2458	4902 x 2360		2870	3000	4910		2463	2365	2200	2250
5000 x 2000	5090 x 2090		5152 x 2208	5152 x 2110		2620	2750	5160		2213	2115	1950	2000
5000 x 2125	5090 x 2215		5152 x 2333	5152 x 2235		2745	2875	5160		2338	2240	2075	2125
5000 x 2250	5090 x 2340		5152 x 2458	5152 x 2360		2870	3000	5160		2463	2365	2200	2250
5500 x 2000	5590 x 2090		5652 x 2208	5652 x 2110		2620	2750	5660		2213	2115	1950	2000
5500 x 2125	5590 x 2215		5652 x 2333	5652 x 2235		2745	2875	5660		2338	2240	2075	2125
5500 x 2250	5590 x 2340		5652 x 2458	5652 x 2360		2870	3000	5660		2463	2365	2200	2250

All dimensions in mm.



## **Novoferm. Directly on site. Europe-wide.**

Novoferm Group is one of Europe's leading system suppliers of doors, garage doors, frames and operators. We offer a broad range of products and services for private, commercial and industrial applications. All our products are manufactured to the highest standards of quality and reflect best engineering practice. We combine maximum functionality with innovative design. We manufacture our products in various international locations and with our Europe-wide network we are always available to help you – wherever you are!

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*Doors close to perfection!*