



Garage door systems and hinged doors

Project hinged doors and frames

Industrial door systems

Docking and logistics systems

Intelligent Door Solutions



SECTIONAL GARAGE DOOR SYSTEMS

THE SMART WAY INTO YOUR HOME

NEW
PREMIUM PLUS
SECTIONAL GARAGE
DOORS
SAFETY OPTO SENSOR
INNOGY SMARHOME
SYSTEM

www.novoferm.com

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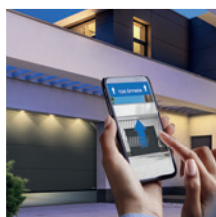
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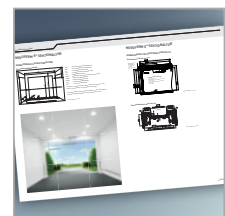
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**NOVOPORT®
OPERATOR SYSTEM**



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**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.

- "TÜV-tested burglar resistance": The German industry association for garage doors, doors and frames (Industrieverband Tore Türen Zargen) has drawn up a guideline that defines burglar resistance based on the existing standards. TÜV NORD CERT GmbH tests and certifies the garage doors: Novoferm's certified garage doors guarantee the highest levels of safety tested by an impartial organisation.
- 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 finishes (Satin white, Satin window grey, Satin grey, Satin dark grey, Satin brown and Satin black) are top coated at Novoferm. As well as giving your garage an elegant look, our quality surfaces are more resistant to environmental factors, so you can enjoy your garage door for longer.



PREMIUM QUALITY BACKED UP BY OUR WARRANTY

Our sectional garage doors bear the Novoferm seal of quality. All our garage doors and operators comply with iso 9001 and the safety requirements of European garage door standard EN 13241. Steel doors come with a ten-year guarantee on functional safety and against rusting through from the inside out. There is a five-year guarantee on top-coated colours and surface finishes, wearing parts and mechanics, as well as on drive motors and controls.



INSULATION AND ENERGY EFFICIENCY

The PUR rigid foam core (20, 45 - 67 mm) and Thermo frame set* ensure our sectional garage doors have excellent heat insulation. Low power consumption is assured by our energy-saving drives, which consume only 0.5 watts in stand-by mode, and by our equally efficient add-ons. These include LED light strips, which are particularly bright at the same time as being economical.

* Up to 15 % better insulation, depending on door pattern and size.



UPGRADE YOUR GARAGE WITH AN AUTOMATIC SECTIONAL GARAGE DOOR SYSTEM

Whether you have a brick or concrete garage, as Novoferm renovation doors are designed to match the most common old door sizes, they can easily replace many doors without the need to convert the garage opening or order a special design. If the new sectional door is installed behind the garage opening, the passage width increases. If the door is installed in front of the garage opening, we provide you with a high-quality set of aluminium panel frames as a surround.



TESTED SECURITY

Safety and security are covered, with anti-pinch protection (inside and outside), fracture-proof torsion springs (iso 45 and iso 70) and TÜV-tested burglar resistance*. The latter is based on an electronic anti-opening security device, a self-locking gear and tamper-proof remote controls with multi-part rolling codes and AES 128-bit encryption. For even greater burglary protection, there are optional installation kits that achieve class 2 according to NL standard NEN 5096.

* For all standard versions of our iso 20 and 45 garage doors (without extras such as pass doors, emergency unlocking, windows, etc.)

ISO 70 PREMIUM PLUS DOOR

FOR SECTIONAL GARAGE DOORS

With the new Premium Plus sectional garage door, your garage is protected against wind and weather. The exceptionally good insulation helps to ensure that your garage, with a living area next to it or above it, does not cool down too much even in winter. This way you avoid heat loss and actively contribute to optimising the entire building's performance balance.

This brochure tells you all about our premium door with its extra-effective EXTRA PLUS, with all the details, benefits and design possibilities. Are you looking for maximum energy efficiency and the greatest possible safety and security in addition to premium quality and the utmost ease of use? Then choose premium sectional garage doors with a total section thickness of 70 mm, made by Novoferm.

FEATURES

- ✓ Large selection of modern and top-coated surfaces and colours
- ✓ Uniform appearance of inside of door, with smooth surface and coordinating details (hinges, profiles, etc.) coloured to match the door leaf
- ✓ Maximum personal safety with anti-pinch protection inside and out
- ✓ Reliable recognition of people and obstacles with the optional "Easy" safety opto sensors
- ✓ Smooth door travel thanks to stainless steel ball-bearing tandem rollers and extremely quiet garage door operators

DISCOVER THE BENEFITS TO YOU



EXCEPTIONALLY GOOD THERMAL AND ACOUSTIC INSULATION

The patented thermally broken sections with a total thickness of 70 mm, combined with the sectional door's PUR rigid foam core, ensure exceptionally good heat and sound insulation. The additional seals between the sections and the double floor seal on the bottom of the door further increase the heat insulation and reduce heat losses.



TRIPLE-GLAZED WINDOWS

Our Premium Plus sectional garage doors are also available with triple-glazed window variants that provide not only excellent heat insulation but also outstanding light permeability.



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 optimisation 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 optimisation of building performance.

* Performance dependent on door pattern and size.



HIGH-QUALITY, UNIFORM APPEARANCE OF INSIDE OF DOOR

Compared to other doors on the market, the Premium Plus sectional garage door is also much more attractive on the inside. The inside door surface is produced in the elegantly smooth "Noblesse" finish. And the door leaf, hinges and profiles are all in Traffic white, similar to RAL 9016, for uniform colouring and a harmonious overall look. Furthermore, high-quality, ball-bearing tandem rollers in stainless steel ensure extremely smooth and even door travel.

SMARTPHONE INSTEAD OF REMOTE CONTROL.

CONTROL YOUR SECTIONAL GARAGE DOOR WITH AN APP!

Smart technologies are not only taking over the home but also the garage. The benefits of smart sectional garage doors include opening and closing via app, intuitive operation and a broad range of smart door control functions.

To enjoy these benefits, you'll need the relevant app from one of our SmartHome partners to go with your Novoferm sectional garage door. To use an app, the garage door operator is connected to a standard router via a SmartHome central unit and the Novoferm plug-in module. The entire solution is easy to set up using the respective partner's smartphone app. The apps are available for free for Apple and Android devices.

If you're already using a SmartHome system from one of our partners, it's very easy to integrate your smart sectional garage door. But it's not essential to already have a SmartHome system, of course, to operate Novoferm sectional garage doors via an app.

FEATURES

- ✓ Control your SmartHome with a single app
- ✓ Intuitive app operation using advanced gesture control
- ✓ Door operation and door status querying via smartphone and tablet
- ✓ Operator lights can be controlled with or without opening/ closing the doors
- ✓ Ventilation position to optimally air the garage*
- ✓ Multiple sectional garage doors can be controlled from one app
- ✓ Control directly or with separate scenarios
- ✓ Voice control*
- ✓ Maximum flexibility via time- and location-independent operation

* Functions depend on SmartHome partner, components and release.

OUR SMARTHOME PARTNERS



HOMEMATIC IP

If desired, Homematic IP can be used to operate every area of a smart home. Plug and play enables the system to be retrofitted and put into operation immediately. Homematic IP provides an app-based practical and user-friendly solution whether for complete SmartHome systems or just to control garage doors.



INNOCY/ LIVISI

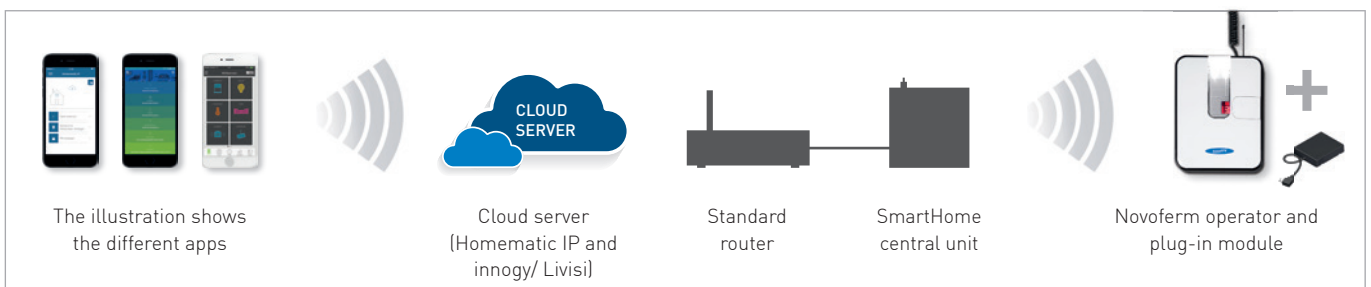
innogy/ Livisi SmartHome systems and apps assure a comfortable, secure life. innogy/ Livisi enables heating, lighting and electrical equipment to be connected and operated while at home or on the go.



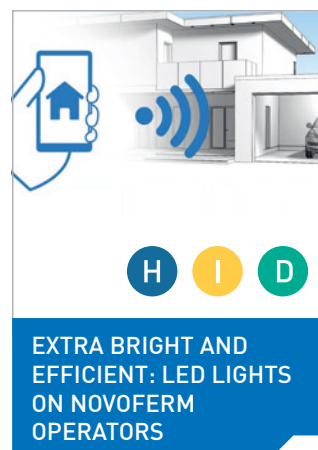
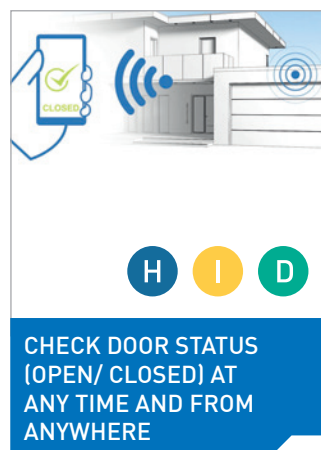
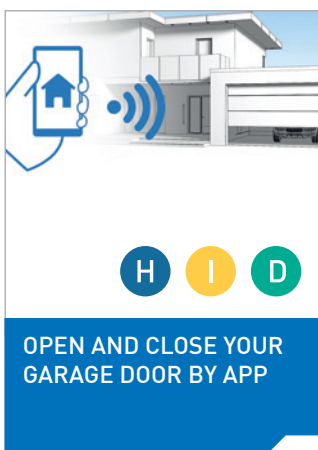
DELTA DORE

You can operate heating, shutters, lights, alarm centres and of course Novoferm sectional garage doors using the TYDOM app from Delta Dore. The wide range of functions make everyday life easier for users and are adaptable to individual needs.

HOW THE APPS WORK



SMART DOOR OPERATING FUNCTIONS



QUALITY



1 DOUBLE-SKINNED AND INSULATED

Our steel sections are manufactured in a double-skinned sandwich construction with an insulating PUR rigid foam core. This means that they have better sound and heat insulation than single-skinned doors, together with very quiet door operation. 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 for 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.

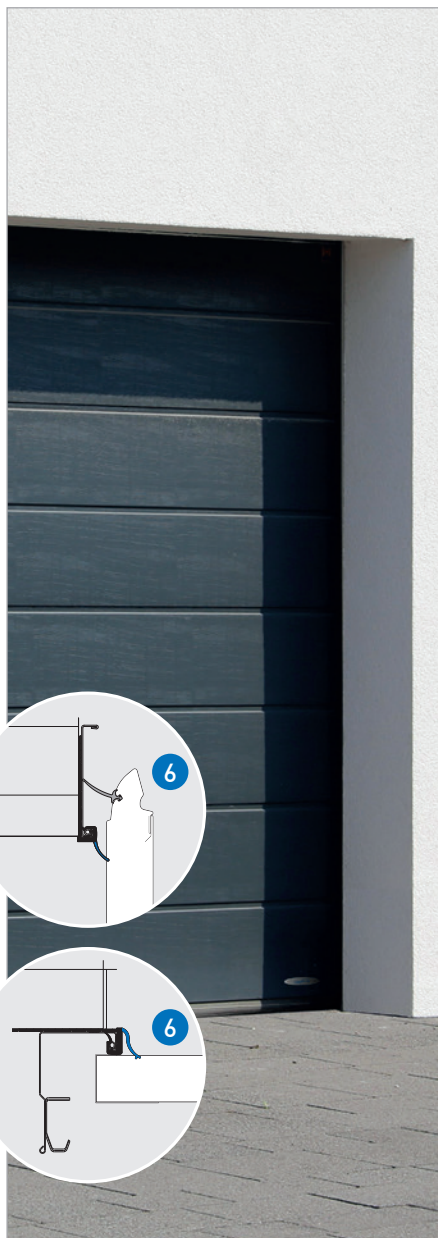
5 THE NOVOFERM QUALITY SEAL

All Novoferm sectional garage doors bear the Novoferm seal of quality, which guarantees the use of the best materials and a top-class finish.

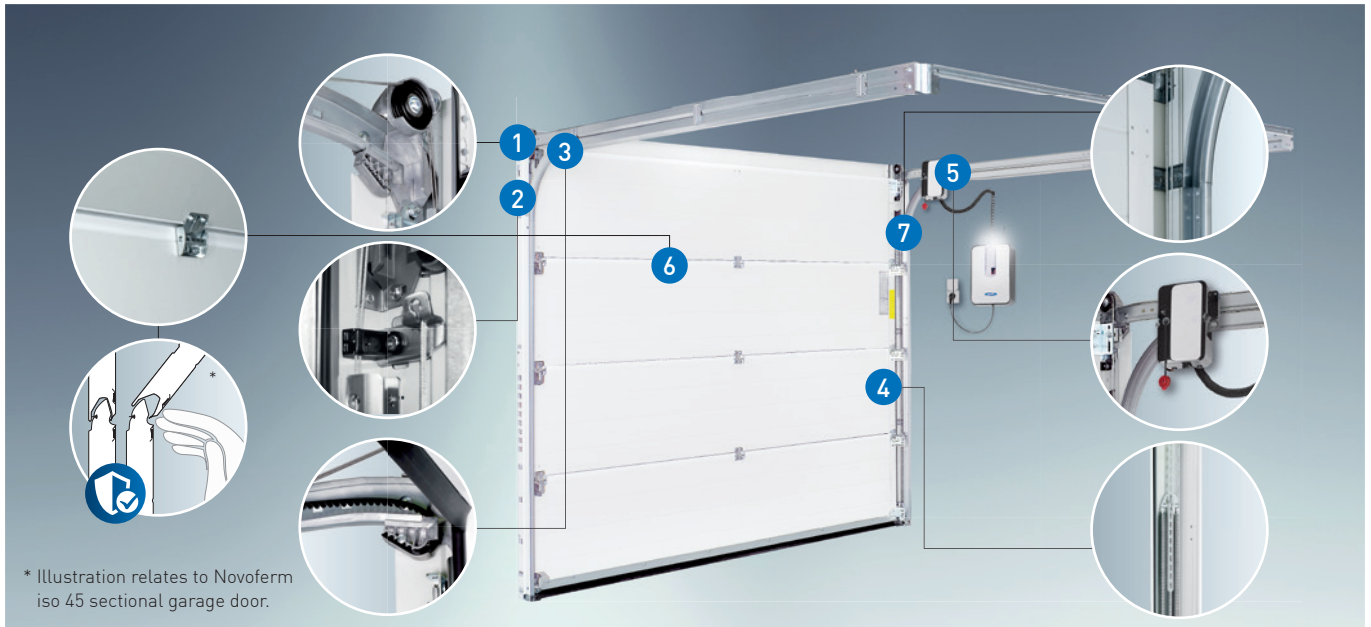
6 THERMO FRAME SET

The Thermo frame set improves the performance of the entire building. It can be used on all Novoferm E® sectional garage doors and enhances their already excellent properties. The frame is insulated on three sides and improves insulation performance by up to 15 %* when mounted behind the opening. Its plug-and-clip profile makes it quick and easy to install.

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



VERTICAL TENSION SPRING



The iso 20 and iso 45 sectional garage doors with widths of up to 3,000 mm and a height of 2,500 mm (smooth) or 2,750 mm (Woodgrain) come with a vertical tension spring system. With iso 70, this is possible up to a width of 3,000 mm and a height of 2,375 mm. With a rebate width of **just 80 mm** per side, these garage doors are also ideal for renovations.

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 a secure fastener for the maintenance-free NovoPort® belt.

4 MULTIPLE TENSION SPRING ASSEMBLIES

For doors with tension springs: The springs are adjusted the top end of the spring assembly. Vertical tension springs make smaller installation depths possible and take up little room.

FEATURES

- ✓ Easy to install at 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

5 NOVOPORT® - UNIQUE AND FLEXIBLE

NovoPort® ensures maximum ease of use during both installation and operation. The motor is not fixed to the ceiling as usual but integrated into the lateral garage door track on the right or left.

6 ANTI-PINCH INSIDE AND OUT

The design of the sections and hinges prevents pinching on the door leaf - from inside and out.

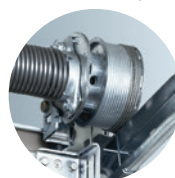
7 INTERFERENCE PROTECTION AND CABLES CHANNELLED DOWN THE INSIDE

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.

TORSION SPRINGS FOR ISO 45 AND ISO 70

For a modest surcharge, our iso 45 and iso 70 sectional garage doors (up to 3,000 x 2,750 mm (WxH))* can be supplied with torsion springs, with a maintenance-free spring fracture safety device tested to EN 12604.

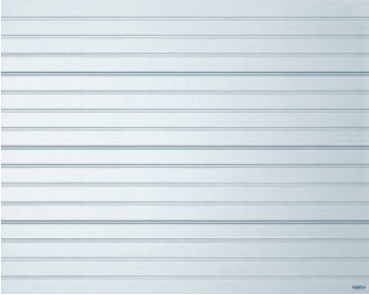
Larger versions are equipped with torsion springs as standard, thus ensuring that the garage door is held firmly and can be pushed up even if a spring breaks.



* For iso 45 models with wood-grain finish.
For iso 45 models with smooth surfaces, maximum size is 3,000 x 2,500 mm. For iso 70, maximum size is 3,000 x 2,375 mm.

DOOR PATTERNS

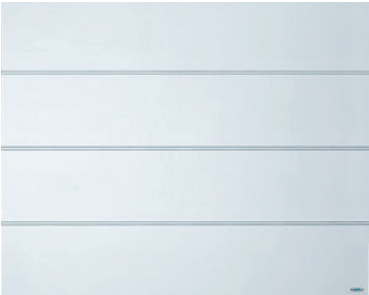
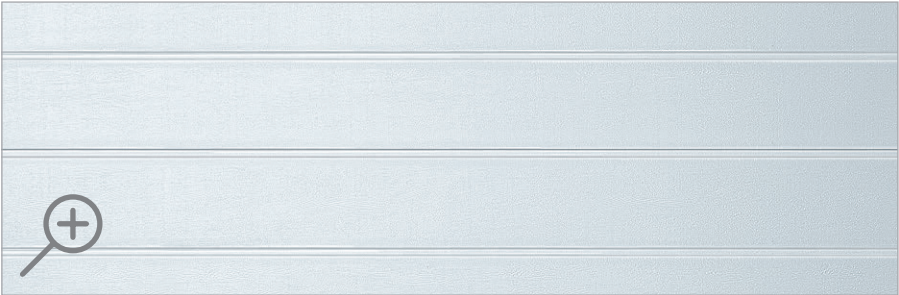
FOR SINGLE GARAGES



Horizontal rib



Large rib



Flush



Microline (flush)



Raised panel



Illustrations show garage door leaf size 2,500 x 2,125 mm. Other garage door sizes can deviate from the illustration shown.

SURFACES, STRUCTURES AND COLOURS

MORE COLOUR AND INDIVIDUALITY

The iso 20 and iso 45 sectional garage doors are available in a woodgrain wood decor or in the smooth Noblesse finish. The Premium Plus iso 70 sectional garage door is only available in a Noblesse finish. On top of these, you can choose from eleven top-coated, attractively priced Super-Colours/ preferred colours and nearly all RAL-colours (iso 45/ iso 70).



Woodgrain



Noblesse (smooth)

RAL-COLOURS FOR ISO 45 AND ISO 70



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

SUPER-COLORS/ PREFERRED COLOURS



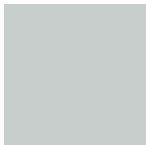
Steel blue,
similar to RAL 5011



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

WOOD DECORS

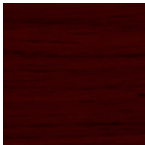
Our iso 45 and iso 70 sectional garage doors are available with five different weather-resistant, top-coated finishes featuring authentic rustic wood effects. In addition to the large rib pattern, you can now also order all the wood decors in the flush pattern, and almost all in the panel pattern (not Winchester or Night oak).



Golden oak (smooth)



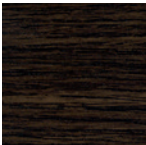
Dark oak (smooth)



Mahogany (smooth)



Winchester (smooth)



Night oak (smooth)

ENJOY OUR SATIN SURFACE FINISHES!

Our iso 45 and iso 70 sectional garage doors are available in a choice of six decorative, top-coated matt satin finishes that have a low tendency to soil and are exceptionally weather resistant.



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



Satin black,
(composite shade)

NEW

MICROLINE PATTERN (FLUSH)

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.



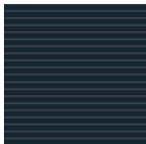
Microline
Satin white,
similar to RAL 9016



Microline
Satin Window grey,
similar to RAL 7040



Microline
Satin grey
(composite shade)



Microline
Satin Dark grey,
similar to RAL 7016



NOVOPORT®-SYSTEM

FOR SECTIONAL GARAGE DOORS

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, the innogy/ Livisi app and 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. If one of these three apps is used, or if the sectional garage door is not visible, the automatic door system must be protected by an additional opto sensor, alongside the standard power limiter.

FEATURES

- ✓ 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
- ✓ LED (red, yellow, green) garage door status display on remote control
- ✓ Quick and easy operation with 3-channel rolling-code remote control. Radio controlled, with no wiring whatsoever. That cuts down on costs!
- ✓ Soft start and stop function
- ✓ Integrated fault diagnostics facilitates potential service work

FEATURES



INNOVATIVE AND POWERFUL

Advanced technology belongs in a modern casing. Our premium NovoPort® operator is both trendy and stylish. The 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. When used with a sectional garage door, it can be controlled using the Homematic IP, innogy/ Livisi 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

Garage doors can now be operated reliably and transparently via bidirectional radio technology using the Mini-Novotron 523 Protect remote control in conjunction with the Homematic IP, innogy/ Livisi or TYDOM app. Its bi-directional radio technology with feedback 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 using a the Homematic IP, innogy/ Livisi or TYDOM app, or any other pulse generator, moves the door from wherever it is into the ventilation position. It closes automatically after 60 minutes, unless closed earlier by remote control.

ASSEMBLY ADVANTAGES



1 NO ADDITIONAL OPERATOR TRACK

Installing the NovoPort® in the lateral garage door track saves material, and installation and maintenance costs.

2 NO SPACE LOST IN THE HEADER AREA

Header remains free, no on-site installation problems.

3 NO SUSPENSION STRUCTURES

With high garage ceilings, the ceiling or drive unit often has to be suspended. Not so 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 often protrude beyond the garage door and have to be shortened. NovoPort® fits immediately!



DUOPORT - THE DOUBLE-LEAF HINGED DOOR

FOR MORE SPACE IN THE GARAGE

In addition to their superb insulation performance, our insulated Duo-Port barn doors give you the option of using your garage as an 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

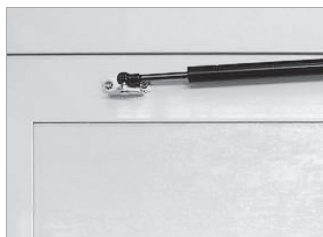
All our door leaf frames are made of aluminium and guarantee maximum weather resistance. Further special features of our barn garage doors are listed below:



45 mm insulation and thermally separated profiles (optional)



Thermally separated floor track



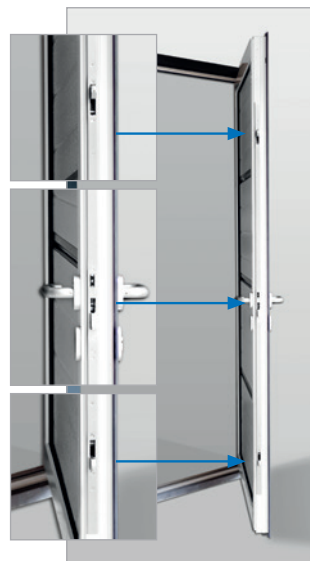
Gas pressure absorbers to ensure end position, optional upper door closer (with/ without catch locking) available



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 SINGLE-LEAF SECTIONAL-DOOR SIDE DOORS



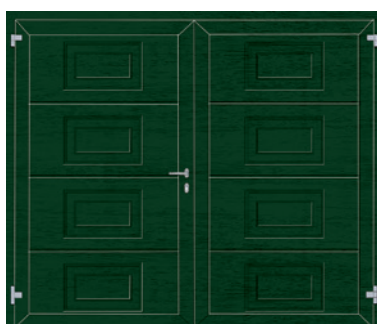
1. Horizontal rib
Traffic white, similar to RAL 9016



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).

FEATURES

- ✓ Ideal for private garages with an opening width and height from 1,750 x 1,750 mm (symmetric division) to max. 3,000 x 2,500 mm. A third hinge is mounted 150 mm below the top hinge on coordinating heights of 2,251 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
- ✓ Wide range of patterns, surface finishes, attractively priced Super-Colors and nearly all RAL-colours as well as additional features such as glazing
- ✓ Practical block frame for flexible installation
- ✓ 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



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.

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)

SIDE DOORS

PATTERNS FOR 1-LEAF SIDE DOORS



1. Horizontal rib
Traffic white,
similar to RAL 9016



2. Large rib
Traffic white,
similar to RAL 9016



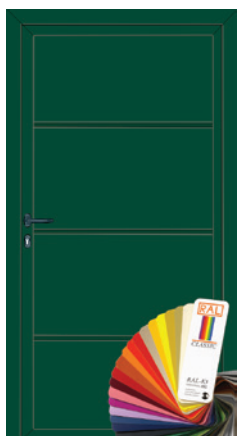
3. Flush
Traffic white,
similar to RAL 9016



4. Microline (flush)
Satin white,
similar to RAL 9016



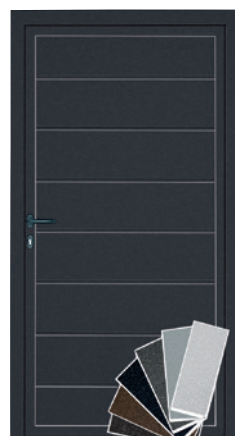
5. Raised panel
Traffic white,
similar to RAL 9016



6. Flush
Moss green,
similar to RAL 6005



7. Flush
Golden oak



8. Large rib
Satin dark grey,
similar to RAL 7016

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

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

ALSO
AVAILABLE WITH
INWARD-OPENING
PASS DOOR

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



Symmetrical position on
BRB 2,000 - 3,500 mm - centre only



Asymmetrical position on
BRB 3,501 - 4,250 mm - left or right
of centre

PERFECTLY INTEGRATED: THE OUTWARD-OPENING PASS DOOR

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.



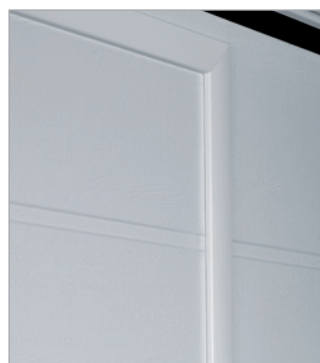
ABOUT THE DOOR SILL

Door leaf frame and aluminium sill profile increase stability, so that the bend in the door leaf is reduced to a minimum even during opening. At just 24 mm high, the door sill lets you move bikes and mopeds easily.



DOOR CLOSES AUTOMATICALLY

Thanks to the standard outward-opening overhead door closer. Especially practical when your hands are full: If you're taking your bicycle, moped or lawnmower out of the garage, for instance.



SOFTLINE PROFILES

Softline (rounded) profiles and concealed hinges ensure an aesthetic overall appearance. The door leaf frame is Traffic white as standard, optionally in a RAL of your choice, and in a suitably toning shade with wood decor and satin finishes.



SECURE MULTIPLE LOCKING MECHANISM

With a multiple locking mechanism on pass doors, each section of the door is locked individually and can be centrally activated from both inside and out using the profile cylinder lock.

OUTWARD-OPENING PASS DOORS

PASS DOOR INFILLS AND GLAZING



Horizontal rib (only in Woodgrain)



Standard window option



Large rib



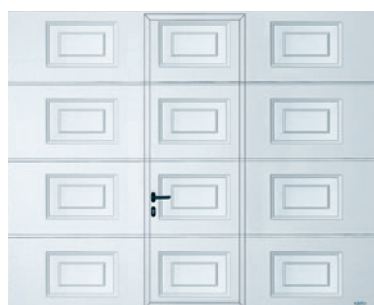
Cross bar window option



Flush



Light strip window option



Raised panel look (only in Woodgrain)



Rhombus window option

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 2,500 x 2,125 mm. Other garage door sizes can deviate from the illustration shown.

SURFACE FINISHES



Woodgrain

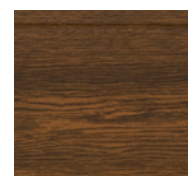


Noblesse (smooth)

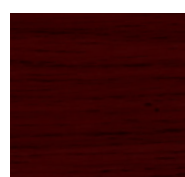
WOOD DECORS



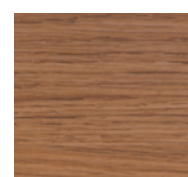
Golden oak (smooth)



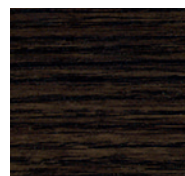
Dark oak (smooth)



Mahogany (smooth)



Winchester (smooth)

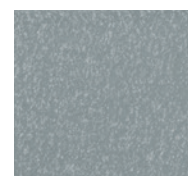


Night oak (smooth)

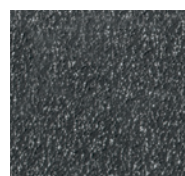
SATIN SURFACE FINISHES



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



Satin black (composite shade)

NEW

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

ISO 20

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 $K = 1.0 \text{ W/m}^2\text{K}$)
- 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

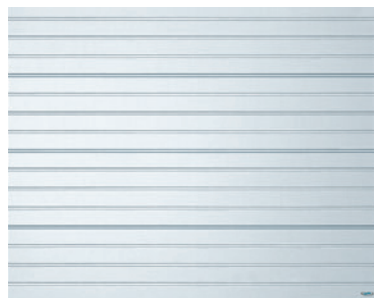
20 mm



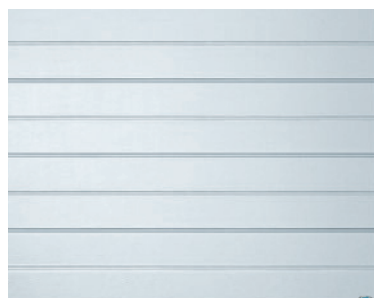
iso 20 is filled with a 20 mm rigid foam core, which provides good heat and sound insulation.

ISO 20

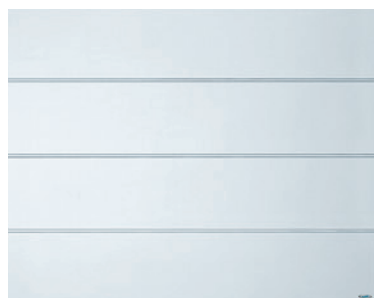
DOOR PATTERNS



Horizontal rib



Large rib

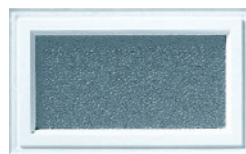


Flush

SIDE DOORS (45 MM)



WINDOWS



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)

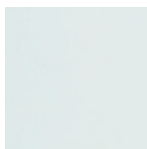
You can find additional handles on page 25.

Illustration shows garage door leaf size 2,500 x 2,125 mm.
Other garage door sizes can deviate from the illustration shown.

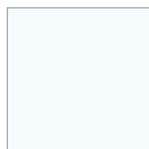
SURFACE FINISHES



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

ISO 45

GARAGE DOOR FACTS

- Ideal for private garage sizes ranging from 2,250 to 5,500 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 $K = 0.5 \text{ W/m}^2\text{K}$)
- 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

45 mm



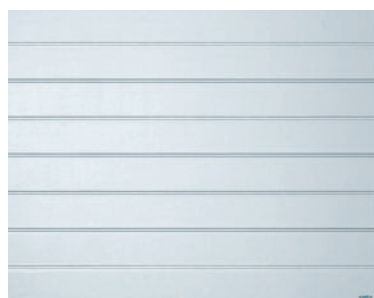
iso 45 is filled with a 45 mm rigid foam core, which provides maximum heat insulation and top soundproofing values.

ISO 45

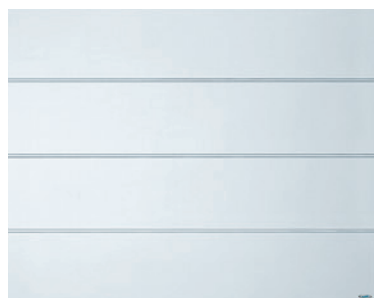
DOOR PATTERNS



Horizontal rib



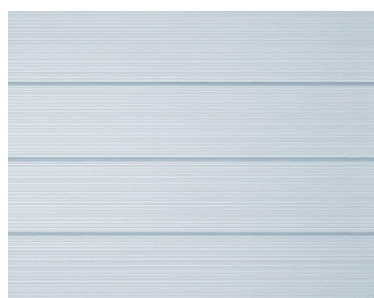
Large rib



Flush



Raised panel



Microline (flush)*

SINGLE LEAF SIDE DOORS



Horizontal rib



Large rib



Flush



Raised panel



Microline (flush)*

PASS DOORS



Horizontal rib



Large rib



Flush



Raised panel

Note: The aluminium profiles of side-hinged doors, side doors and pass-door frame profiles with wood decors and satin finishes are finished in a suitably toning shade.

Illustrations show garage door leaf size 2,500 x 2,125 mm. Other garage door sizes can deviate from the illustration shown.* Only available in satin 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) and Satin black (composite shade).

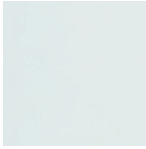
ISO 45

SURFACE FINISHES, COLOURS AND DOOR PATTERNS

SURFACE FINISHES



Woodgrain
The robust classic design with a subtly grained wood texture.



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

STANDARD COLOUR



Traffic white,
similar to RAL 9016

RAL-COLOURS



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

SUPER-COLORS/ PREFERRED COLOURS



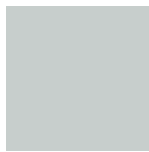
Steel blue,
similar to RAL 5011



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

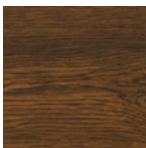


Sepia brown,
similar to RAL 8014

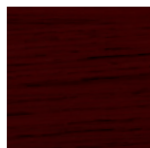
WOOD DECORS



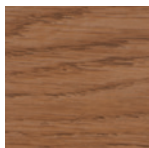
Golden oak



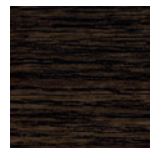
Dark oak



Mahogany



Winchester

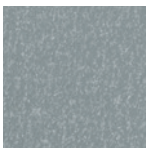


Night oak

SATIN SURFACE FINISHES



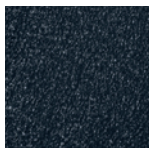
Satin white,
similar to RAL 9016



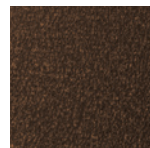
Satin window grey,
similar to RAL 7040



Satin grey
(composite shade)



Satin dark grey,
similar to RAL 7016



Satin brown,
similar to RAL 8014



Satin black,
(composite shade)

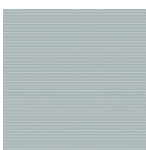
NEW

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

MICROLINE (FLUSH)*



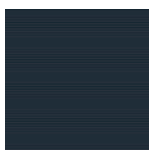
Satin white,
similar to RAL 9016



Satin window grey,
similar to RAL 7040



Satin grey
(composite shade)



Satin dark grey,
similar to RAL 7016

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

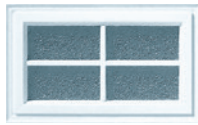
* Only available in satin finishes: Satin white (similar to RAL 9016), Satin window grey (similar to RAL 7040), Satin grey (composite shade), Satin dark grey (similar to RAL 7016) and Satin black (composite shade).

ISO 45

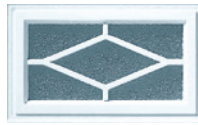
WINDOWS



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

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.

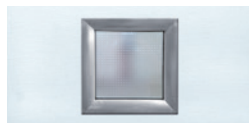
WINDOW CUTOUTS



Porthole with stainless steel frame, 10 mm acrylic double glazing*

Dimensions:

Inside: approx. $\varnothing$ 290 mm
Outside: approx. $\varnothing$ 350 mm



Window with stainless steel frame

Dimensions:

Inside: approx. 235 x 235 mm
Outside: approx. 320 x 320 mm

FANLIGHT



For single-leaf side doors

Dimensions:

Width: approx. 720 - 1,380 mm
Height: approx. 275 - 575 mm

* Only for large rib and flush garage door patterns.

DOOR HANDLES



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

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



Aluminium silver colour anodized



Aluminium, plastic coated, Traffic white



Stainless steel

STAINLESS STEEL HANDLE SETS



Stainless steel handle sets



Knob-lever set for profile cylinders



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

ISO 70

GARAGE DOOR FACTS

- Ideal for private garages from 2,250 to 5,500 mm wide
- Huge range of models and equipment:
 - As a design door on its own
 - With a side door in 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 springs
- Perfect functional reliability and easy operation with torsion spring with a spring fracture safety device on both sides
- Maximum personal safety with anti-pinch protection inside and out (as per EN 12604)
- Particularly good heat insulation with 67 mm rigid PUR foam core (heat insulation value $K = 0.34 \text{ W/m}^2\text{K}$)
- Inside door leaf: Polyester based primer, Traffic white, similar to RAL 9016
- Outside door leaf (standard): Traffic white, similar to RAL 9016 (base coated)
- Outside door leaf: Super-Color colours, RAL of your choice, satin finishes or wood decors for an additional charge (top coated)



Our iso 70 sectional garage doors are available either with a vertical extension spring system or with stable torsion springs with a maintenance-free spring fracture safety device tested to EN 12604.

INSULATION THICKNESS

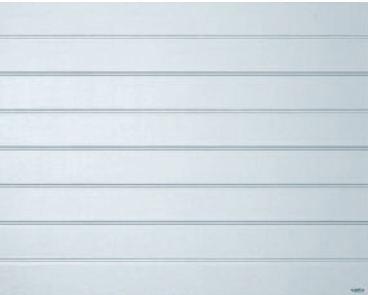
70 mm



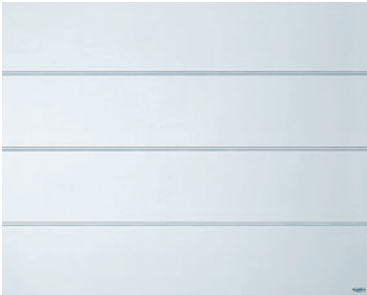
iso 70 is filled with a 67-mm rigid foam core, which provides particularly high heat insulation and excellent soundproofing.

ISO 70

DOOR PATTERNS, FINISHES AND COLOURS FOR SINGLE GARAGES



Large rib



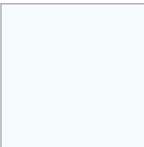
Flush

SURFACE FINISH



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

STANDARD COLOUR



Traffic white,
similar to RAL 9016

RAL-COLOURS



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

SUPER-COLORS/ PREFERRED COLOURS



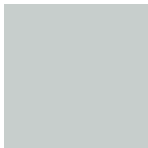
Steel blue,
similar to RAL 5011



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

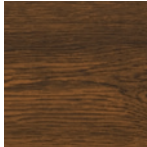


Sepia brown,
similar to RAL 8014

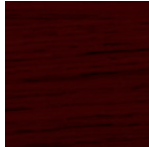
WOOD DECORS



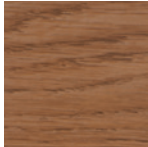
Golden oak



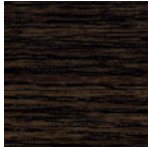
Dark oak



Mahogany



Winchester



Night oak

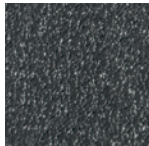
SATIN SURFACE FINISHES



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



Satin black,
(composite shade)

NEW

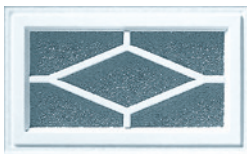
Extremely weather resistant and dent reversible top coating, only for iso 45 garage doors.

ISO 70

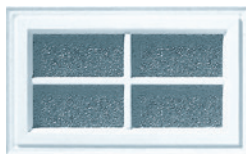
WINDOWS



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

WINDOW CUTOUTS

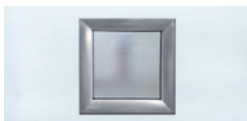


Porthole with stainless steel frame, 10 mm acrylic double glazing*

Dimensions:

Inside: approx. ø 290 mm

Outside: approx. ø 350 mm



Square window painted in RAL 9006

Dimensions:

Inside: approx. 235 x 235 mm

Outside: approx. 320 x 320 mm

* Only for large rib and flush garage door patterns.

DOOR HANDLES



Plastic handle, black
(optional)



WILL I GET A REMOTE TOO, DEAR?

Be sure to get remote controls for other family members, too.
After all, you don't just have one front door key, do you?

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



Mini-Novotron 504
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



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



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



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

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

You can find out about the full range of accessories at www.novoferm.com or by contacting your dealer.



HOW CAN I MAXIMISE THE SAFETY AND CONVENIENCE OF MY GARAGE DOOR?

Decide whether you want to operate your door by push-button or smartphone, control the door lighting and benefit from reliable 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



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

FINGERPRINT



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

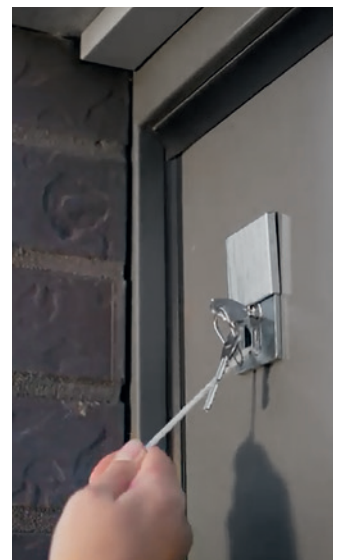


EMERGENCY RELEASE



"Extra 315" emergency unlocking

- With safety profile half cylinder
- Suitable for iso 20 and iso 45 sectional garage doors
- A separate version is available for iso 70 sectional garage doors



KEY SWITCHES



Signal 312
Flush-mounted, single switch pulse (1 garage door)



Signal 313
Flush-mounted, double switch pulse (2 garage doors)



Signal 412
Surface-mounted, single switch pulse (1 garage door)



Signal 413
Surface-mounted, double switch pulse (2 garage doors)

SMARTHOME COMPONENTS

homematic IP



Homematic IP
Access Point

- Suitable for: NovoPort®, Novomatic 423, 563 S and 823 S

innogy **NEW**



innogy/ Livisi
SmartHome Central Unit

- Suitable for: NovoPort®, Novomatic 423, 563 S and 823 S

DELTA
DORE
Smart is the new power



Delta Dore
TYDOM 1.0

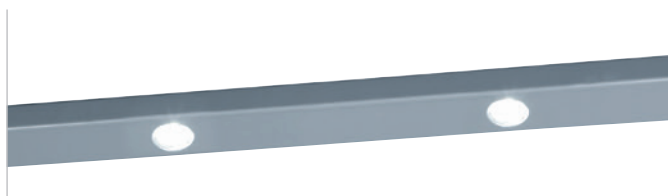
- Suitable for: NovoPort®, Novomatic 423, 563 S and 823 S



Novoferm plug-in module to control a further operator via the smart-home partner app of your choice

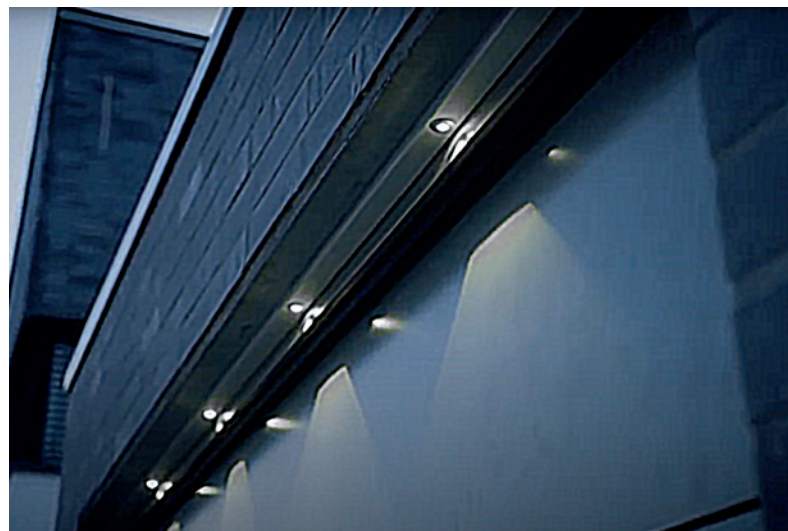
- Suitable for: NovoPort®, Novomatic 423, 563 S and 823 S

LED LIGHTING KIT

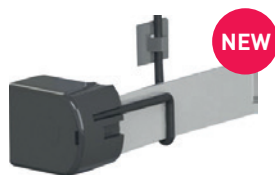


LED lighting kit

- Anodized aluminium
- Available lengths: 3 m, 4 m and 5 m - can be shortened!
- Door and light can be controlled with a remote.
- Lighting control either linked to door movements or not.



OPTO SENSORS



“Easy” opto sensor

- 10-30 V
- Range 7 m
- Suitable for: Novoferm sectional doors with operator



“Extra 625” opto sensor

- 24 V DC, IP 54
- Range 8 m
- Suitable for: All operator models



“Extra 628” reflection light opto sensor

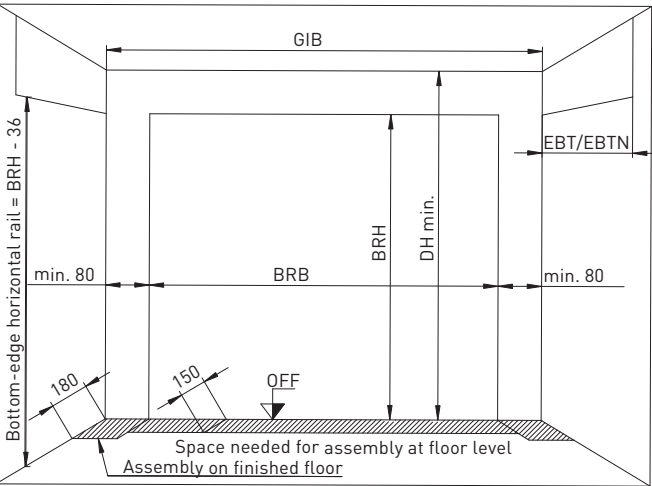
- 24-240 V AC, 12-240 V DC, IP 54
- Range 5 m
- Can only be used as a pul generator



NOVOFERM E® SECTIONAL GARAGE DOOR

INSTALLATION DIMENSIONS FOR SECTIONAL GARAGE DOORS

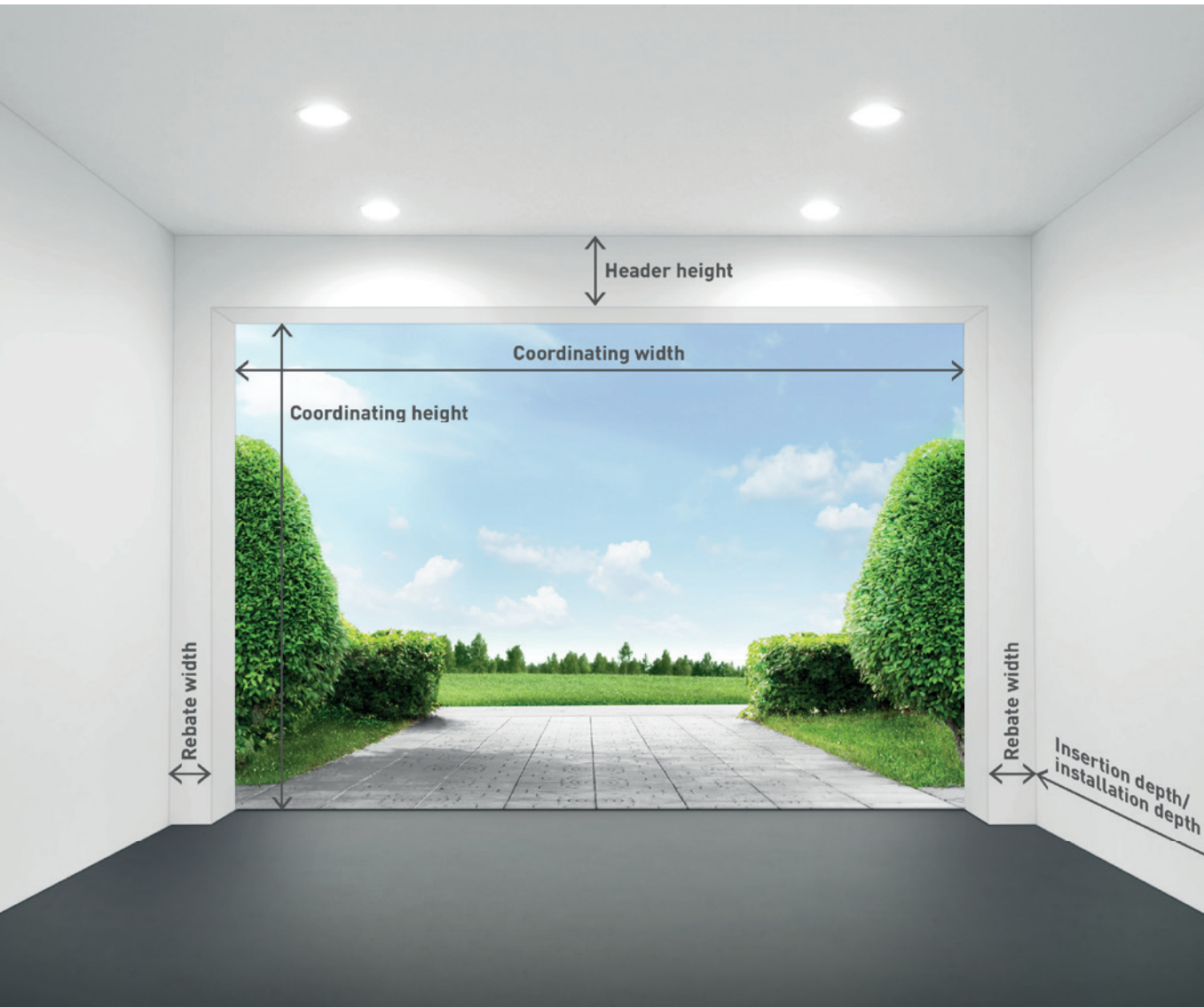
Required installation dimensions



- 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 the door
- EBTN = Installation depth of garage door with Novomatic operators
- RAMB = Outer frame width
- RAMH = Outer frame height
- OFF = Upper-edge finished floor
- LDH = Clear passage height

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

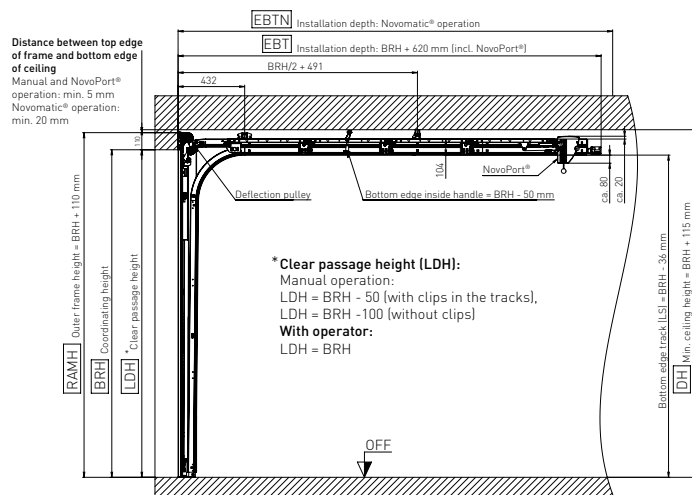
If the structure does not have the required minimum dimensions, panels and profiles can be fitted to compensate.



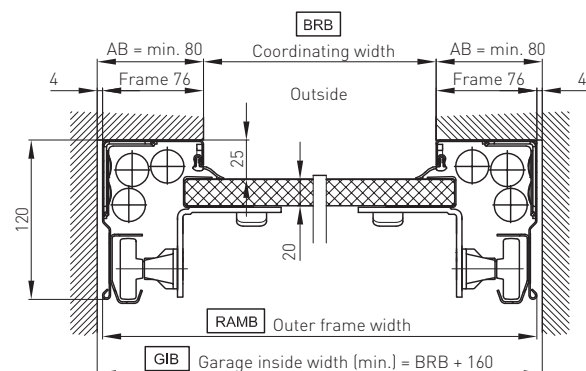
NOVOFERM E® SECTIONAL GARAGE DOOR

INSTALLATION DIMENSIONS FOR ISO 20 SECTIONAL DOORS

Vertical section through garage door



Horizontal section through garage door



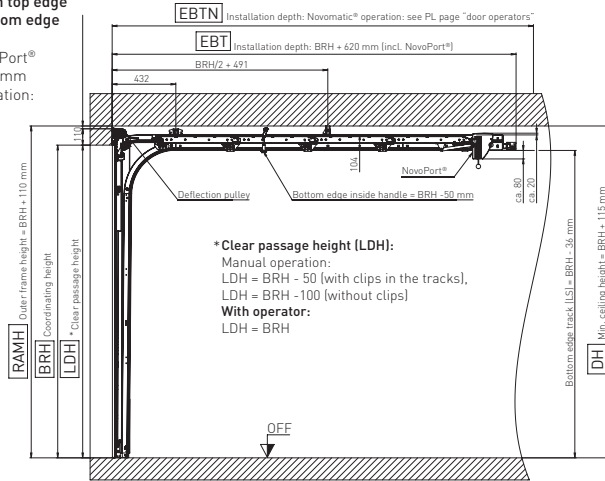
NOVOFERM E® SECTIONAL GARAGE DOOR

INSTALLATION DIMENSIONS FOR ISO 45 SECTIONAL DOORS

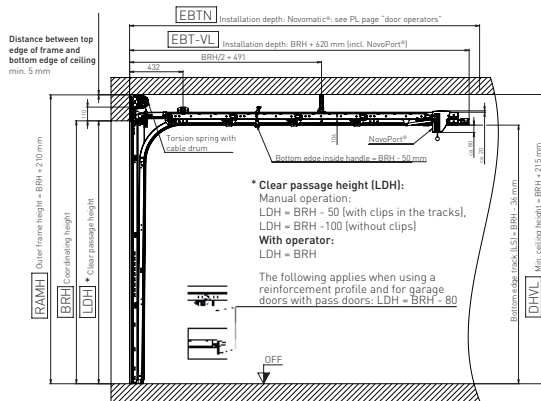
Vertical section of tension spring assembly

Distance between top edge of frame and bottom edge of ceiling

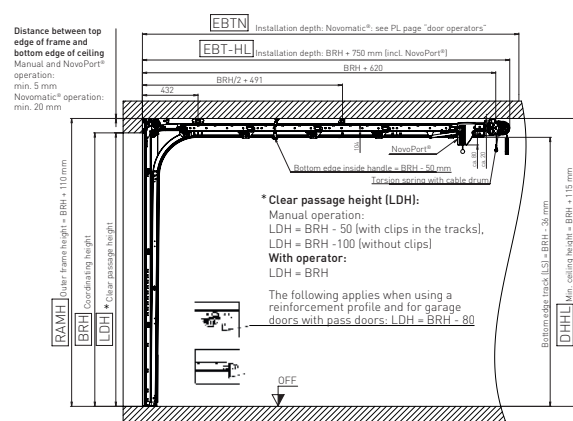
Manual and NovoPort® operation: min. 5 mm
Novomatic® operation: min. 20 mm



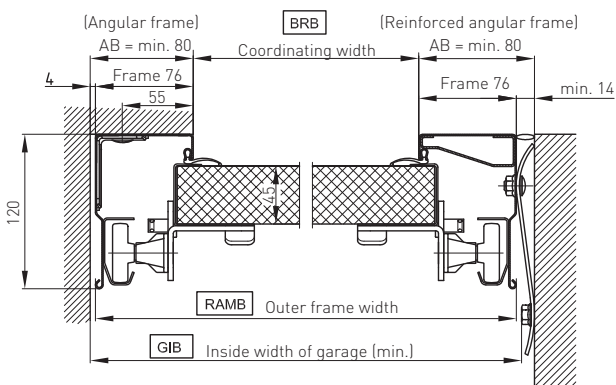
Vertical section of front-mounted torsion spring (VL)



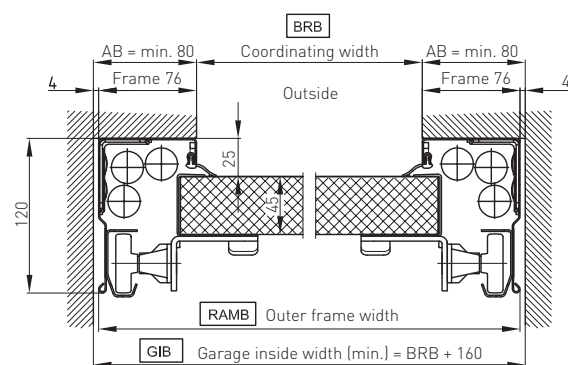
Vertical section of rear-mounted torsion spring (HL)



Horizontal section through garage door with torsion spring



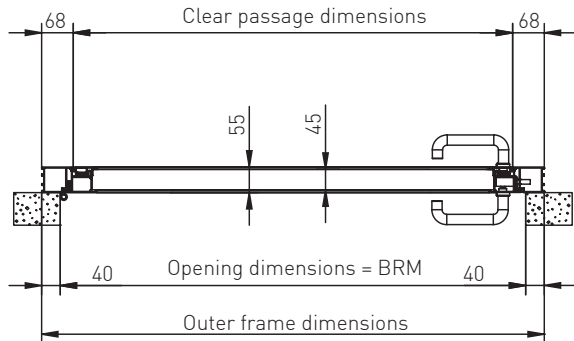
Horizontal section through garage door with vertical tension spring assembly



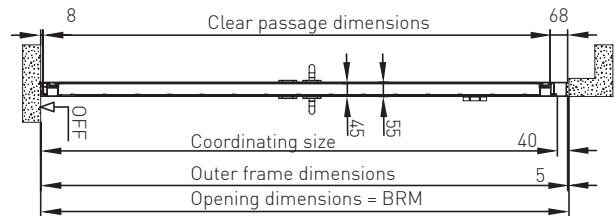
NOVOFERM E® SIDE DOORS

BLOCK FRAME (OPENS INWARDS OR OUTWARDS)

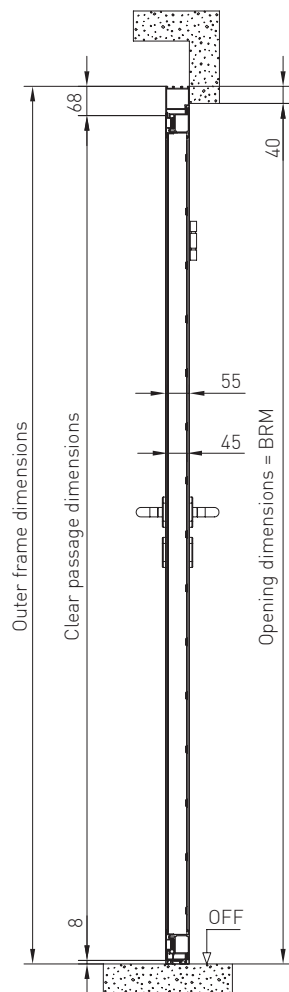
Horizontal section/ Installation behind the opening



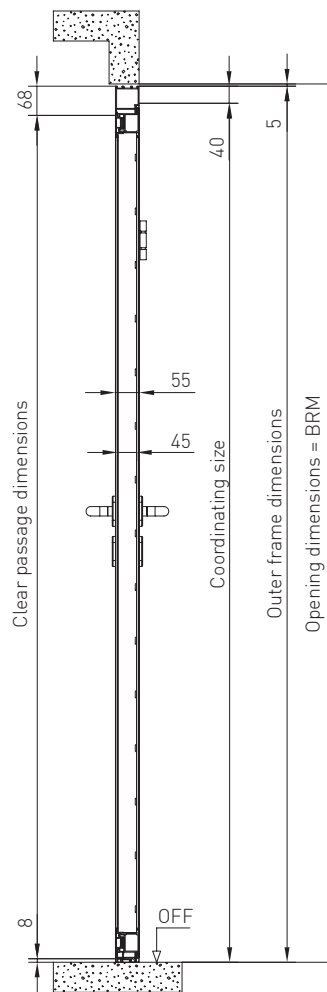
Horizontal section/ Installation in the opening



Vertical section/ Installation behind the opening



Vertical section/ Installation in the opening



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
Width x Height	Width x Height	Width x Height	(min.)		(min.)		
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

NOVOFERM E® SECTIONAL GARAGE DOOR

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)	Instal- lation depth (EBT) (ZF)	Instal- lation depth (EBT) (VL)	Instal- lation depth (EBT) (HL)	Interior garage dimen- sion (GIB)	Ceiling height (DH) (ZF)	Ceiling height (DH) (VL)	Ceiling height (DH) (HL)	Clear passage height (LDH)	
Width x Height	Width x Height	Width x Height	Width x Height	Width x Height				Width	min.	min.	min.	Manual operation	Opera- tor
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

NOVOFERM E® SECTIONAL GARAGE DOOR

INSTALLATION DIMENSIONS FOR ISO 70 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)	Interior garage dimen- sion (GIB)	Instal- lation depth (EBT) (ZF)	Instal- lation depth (EBT) (VL)	Instal- lation depth (EBT) (HL)	Ceiling height (DH) (ZF)	Ceiling height (DH) (VL)	Ceiling height (DH) (HL)	Clear opening height (LDH)	
Width x Height	Width x Height	Width x Height	Width x Height	Width x Height	Width			Width	min.	min.	min.	Manual operation	Opera- tor
2250 x 1875	2340 x 1965	2402 x 1985	2402 x 2120	2402 x 1985	2410	2495	2495	2625	1990	2125	1990	1800	1850
2250 x 2000	2340 x 2090	2402 x 2110	2402 x 2245	2402 x 2110	2410	2620	2620	2750	2115	2250	2115	1925	1975
2250 x 2125	2340 x 2215	2402 x 2235	2402 x 2370	2402 x 2235	2410	2745	2745	2875	2240	2375	2240	2050	2100
2375 x 1875	2465 x 1965	2527 x 1985	2527 x 2120	2527 x 1985	2535	2495	2495	2625	1990	2125	1990	1800	1850
2375 x 2000	2465 x 2090	2527 x 2110	2527 x 2245	2527 x 2110	2535	2620	2620	2750	2115	2250	2115	1925	1975
2375 x 2075	2465 x 2165	2527 x 2185	2527 x 2320	2527 x 2185	2535	2695	2695	2825	2190	2325	2190	2000	2050
2375 x 2125	2465 x 2215	2527 x 2235	2527 x 2370	2527 x 2235	2535	2745	2745	2875	2240	2375	2240	2050	2100
2375 x 2250	2465 x 2340	2527 x 2360	2527 x 2495	2527 x 2360	2535	2870	2870	3000	2365	2500	2365	2175	2225
2500 x 1875	2590 x 1965	2652 x 1985	2652 x 2120	2652 x 1985	2660	2495	2495	2625	1990	2125	1990	1800	1850
2500 x 2000	2590 x 2090	2652 x 2110	2652 x 2245	2652 x 2110	2660	2620	2620	2750	2115	2250	2115	1925	1975
2500 x 2075	2590 x 2165	2652 x 2185	2652 x 2320	2652 x 2185	2660	2695	2695	2825	2190	2325	2190	2000	2050
2500 x 2125	2590 x 2215	2652 x 2235	2652 x 2370	2652 x 2235	2660	2745	2745	2875	2240	2375	2240	2050	2100
2500 x 2250	2590 x 2340	2652 x 2360	2652 x 2495	2652 x 2360	2660	2870	2870	3000	2365	2500	2365	2175	2225
2500 x 2375	2590 x 2465	2652 x 2485	2652 x 2620	2652 x 2485	2660	2995	2995	3125	2490	2625	2490	2300	2350
2500 x 2500	2590 x 2590	2652 x 2610	2652 x 2745	2652 x 2610	2660	3120	3120	3250	2615	2750	2615	2425	2475
2500 x 2750	2590 x 2840	2652 x 2860	2652 x 2995	2652 x 2860	2660	3370	3370	3500	2865	3000	2865	2675	2725
2625 x 2125	2715 x 2215	2777 x 2235	2777 x 2370	2777 x 2235	2785	2745	2745	2875	2240	2375	2240	2050	2100
2750 x 2000	2840 x 2090	2902 x 2110	2902 x 2245	2902 x 2110	2910	2620	2620	2750	2115	2250	2115	1925	1975
2750 x 2125	2840 x 2215	2902 x 2235	2902 x 2370	2902 x 2235	2910	2745	2745	2875	2240	2375	2240	2050	2100
2750 x 2250	2840 x 2340	2902 x 2360	2902 x 2495	2902 x 2360	2910	2870	2870	3000	2365	2500	2365	2175	2225
2750 x 2750	2840 x 2840	2902 x 2860	2902 x 2995	2902 x 2860	2910	3370	3370	3500	2865	3000	2865	2675	2725
3000 x 2000	3090 x 2090	3152 x 2110	3152 x 2245	3152 x 2110	3160	2620	2620	2750	2115	2250	2115	1925	1975
3000 x 2125	3090 x 2215	3152 x 2235	3152 x 2370	3152 x 2235	3160	2745	2745	2875	2240	2375	2240	2050	2100
3000 x 2250	3090 x 2340	3152 x 2360	3152 x 2495	3152 x 2360	3160	2870	2870	3000	2365	2500	2365	2175	2225
3000 x 2375	3090 x 2465	3152 x 2485	3152 x 2620	3152 x 2485	3160	2995	2995	3125	2490	2625	2490	2300	2350
3000 x 2500	3090 x 2590	3152 x 2610	3152 x 2745	3152 x 2610	3160	3120	3120	3250	2615	2750	2615	2425	2475
3000 x 3000	3090 x 3090		3152 x 3245	3152 x 3110			3620	3750		3250	3115	2925	2975
3250 x 2000	3340 x 2090		3402 x 2245	3402 x 2110			2620	2750		2250	2115	1925	1975
3250 x 2125	3340 x 2215		3402 x 2370	3402 x 2235			2745	2875		2375	2240	2050	2100
3250 x 2250	3340 x 2340		3402 x 2495	3402 x 2360			2870	3000		2500	2365	2175	2225
3500 x 2000	3590 x 2090		3652 x 2245	3652 x 2110			2620	2750		2250	2115	1925	1975
3500 x 2125	3590 x 2215		3652 x 2370	3652 x 2235			2745	2875		2375	2240	2050	2100
3500 x 2250	3590 x 2340		3652 x 2495	3652 x 2360			2870	3000		2500	2365	2175	2225
3750 x 2000	3840 x 2090		3902 x 2245	3902 x 2110			2620	2750		2250	2115	1925	1975
3750 x 2125	3840 x 2215		3902 x 2370	3902 x 2235			2745	2875		2375	2240	2050	2100
3750 x 2250	3840 x 2340		3902 x 2495	3902 x 2360			2870	3000		2500	2365	2175	2225
4000 x 2000	4090 x 2090		4152 x 2245	4152 x 2110			2620	2750		2250	2115	1925	1975
4000 x 2125	4090 x 2215		4152 x 2370	4152 x 2235			2745	2875		2375	2240	2050	2100
4000 x 2250	4090 x 2340		4152 x 2495	4152 x 2360			2870	3000		2500	2365	2175	2225
4250 x 2000	4340 x 2090		4402 x 2245	4402 x 2110			2620	2750		2250	2115	1925	1975
4250 x 2125	4340 x 2215		4402 x 2370	4402 x 2235			2745	2875		2375	2240	2050	2100
4250 x 2250	4340 x 2340		4402 x 2495	4402 x 2360			2870	3000		2500	2365	2175	2225
4500 x 2000	4590 x 2090		4652 x 2245	4652 x 2110			2620	2750		2250	2115	1925	1975
4500 x 2125	4590 x 2215		4652 x 2370	4652 x 2235			2745	2875		2375	2240	2050	2100
4500 x 2250	4590 x 2340		4652 x 2495	4652 x 2360			2870	3000		2500	2365	2175	2225
4750 x 2000	4840 x 2090		4902 x 2245	4902 x 2110			2620	2750		2250	2115	1925	1975
4750 x 2125	4840 x 2215		4902 x 2370	4902 x 2235			2745	2875		2375	2240	2050	2100
4750 x 2250	4840 x 2340		4902 x 2495	4902 x 2360			2870	3000		2500	2365	2175	2225
5000 x 2000	5090 x 2090		5152 x 2245	5152 x 2110			2620	2750		2250	2115	1925	1975
5000 x 2125	5090 x 2215		5152 x 2370	5152 x 2235			2745	2875		2375	2240	2050	2100
5000 x 2250	5090 x 2340		5152 x 2495	5152 x 2360			2870	3000		2500	2365	2175	2225
5500 x 2000	5590 x 2090		5652 x 2245	5652 x 2110			2620	2750		2250	2115	1925	1975
5500 x 2125	5590 x 2215		5652 x 2370	5652 x 2235			2745	2875		2375	2240	2050	2100
5500 x 2250	5590 x 2340		5652 x 2495	5652 x 2360			2870	3000		2500	2365	2175	2225



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