

**NEW!**

New Super-Colour Colours,  
Up-and-over-K® 90 Air



**In Full Swing**

**Garage Up-and-Over Doors, Operators and Accessories**

**novoferm**

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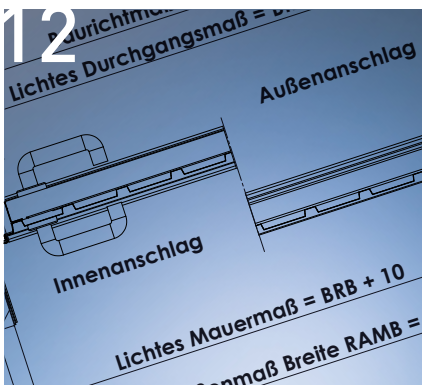
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As one of Europe's leading system providers of doors, garage doors, frames and operators, Novoferm offers quality and safety at the high level of a well-known brand.

Production in line with the latest technological findings, considering environmental concerns, is as important to us as being certified according to DIN ISO 9001. And certification according to EN 13241-1 confirms that all our products meet the stringent safety requirements of the European garage doors product standard.

And this is how we guarantee quality: 10 years on steel up-and-over garage doors, 5 years on solid wood up-and-over garage doors. Combined with the exemplary service from your Novoferm stockist.



# Why opt for up-and-over doors made by Novoferm?



## Quality and superior workmanship

Since quality is definitely not something to be hidden, all Novoferm up-and-over doors bear the Novoferm seal of quality. What makes Novoferm up-and-over door systems so special are the high-quality materials, first-rate workmanship and components that are perfectly matched to each other – all made in Germany, of course! All Novoferm 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 13241-1.



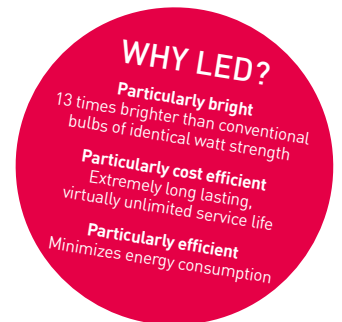
## Trust backed up by our warranty

Trust is good, a warranty is even better. The Novoferm seal of quality constitutes a ten year warranty for our customers on all steel up-and-over doors. The mechanical, motor and motor control components of our operators are protected by a five year warranty.



## Energy efficiency

All of our garage door operators and additional hardware (e.g. light strips) are fitted with modern, energy-saving LED lamps for added brightness, 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. Our hand transmitters with particularly long-lasting batteries are available to control the door and lighting. The lighting control can either be linked to the garage door movements or not.



## Tested security

Automatic up-and-over doors are extremely secure! Powerful multiple extension spring assemblies prevent the door from falling, while a self-monitoring automatic cut-out device stops and opens the garage door as soon as it encounters even minimal resistance. They are joined by manipulation-proof hand transmitters protected by multi-part rolling codes.

**NEW:** The new hand transmitters are equipped with AES 128-bit encryption to offer maximum security.

# Colour and fittings



## As you like it: Colour and fittings

Your new Novoferm up-and-over garage door is, of course, designed to be in keeping with your personal taste. If you have decided to go for solid steel then you should first select the colour. The standard colour, traffic white, is extremely popular, but there are also hundreds of other shades to choose from at a small additional charge. Think about whether you want any glazing to benefit from the daylight and whether you'll need external lighting to show off the best features of your garage door after sunset! In the garage door finder (from page 8 onwards) you will find an overview of all these design possibilities. Just take a look and make your choice!

### Standard colour



**Traffic white,**  
similar to RAL 9016

### Super Colours/ Preferred colours



**Light grey,**  
similar to RAL 7035



**Window grey,**  
similar to RAL 7040



**Anthracite grey,**  
similar to RAL 7016



**Pigeon blue,**  
similar to RAL 5014



**Fir green,**  
similar to RAL 6009



**Ochre brown,**  
similar to RAL 8001



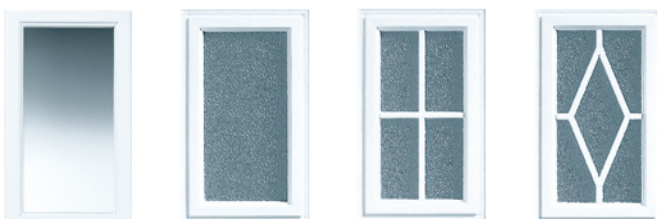
**Sepia brown,**  
similar to RAL 8014

### RAL- colours



RAL of choice: Your stockist will help you select the right colour for your garage door. And matching garage door and door handles are also available in attractive colours and metallic variants.

### Stylish bright spots inside your garage



Let light into your garage: Simply by adding a standard window with acrylic clear glass or acrylic crystal glass or by installing a diamond window or cross window in crystal glass.

### External space-saving lighting



An LED lighting unit above the garage door stylishly showcases the architecture of your house front. Since this lighting kit is only 2 cm tall and 4 cm wide, it takes up little space when mounted under the header, and almost all the passage height is maintained. Long-life LEDs illuminate your garage door brightly, yet consume very little power.

# Side doors and Pass doors



## Advantageous extras

If you don't want to always have to raise and lower the garage door for little things like your tool box, lawn mower or bike then Novoferm has got a practical alternative: The matching side door or – if there isn't any space for a side door – the integrated pass door. The side door for the Novoferm garage door is available in all standard garage door patterns and colours, as well as in all standard sizes and in both opening directions as well as with inside or outside rebate – in short, exactly how you want it – and also in special sizes, too. All doors are made of hot-dip galvanized sheet steel. Doors can also be filled by the customer. That way your door will always match.

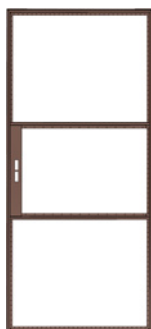
## Examples of side doors



**Rees,**  
vertical rib



**Siegen,**  
horizontal slat



**Bocholt,**  
garage door frame  
for filling by customer



Door and side door in Hagen raised panel.

**PARTICULARLY  
ENERGY-EFFICIENT**



# PLUS

## Advantages at a glance

- Comfortable operation using the tamper-proof 2-channel rolling code hand transmitter (KeeLoq)
- Soft start and stop function
- Self-monitoring automatic maintenance-free shutdown device
- Electronically monitored push-up protection
- Bright LED lighting (programmable 60-240 sec.)
- Connection for outdoor lighting up to 500 W
- Air vent settings for garage ventilation
- Uses just 0.5 W in standby, incurring energy costs of only about € 1 per year

**NEW!**

**WITH LED**

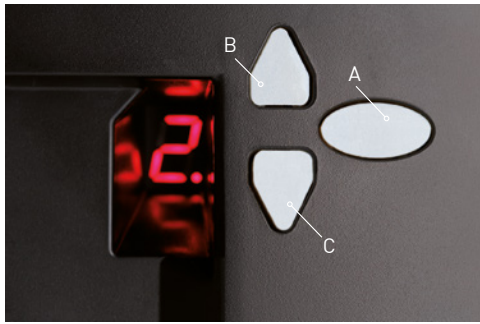
Five-year manufacturer's warranty on all mechanical, motor and motor control components.



## Novomatic 423. New technology for improved convenience

Advanced technology belongs in a modern housing. The new Novomatic 423 is trendy and stylish. It is the professional drive system for sectional and up-and-over garage doors. This garage door operator is a particularly good match for Novoferm garage doors, but is also perfect for retrofitting other garage door makes.

# Novomatic 423



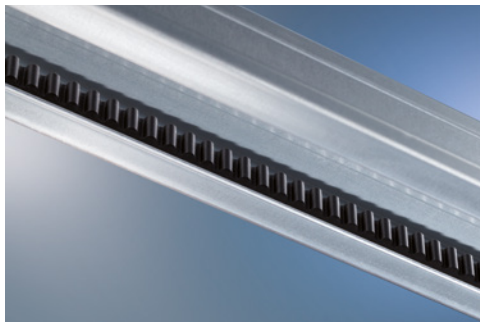
## Menu-guided programming

Programming is convenient and easy with three pressure switches and a clear display. And the logical menu guide ensures that no settings are overlooked in the process. All the parameters are saved, even in case of a power cut. All settings are saved, even in case of a power cut. The operating state is always recognizable through the transparent cover. Clear error coding allows for quick and safe troubleshooting if required.



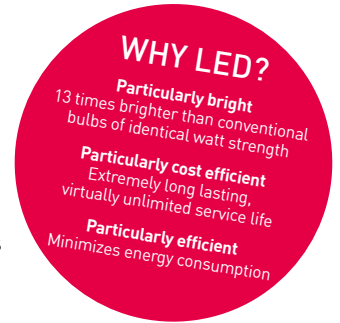
## LED lighting and connections for accessories

The operating element is fitted with a modern, durable and energy-saving LED light. The connections for wired accessories can be easily reached and remote-controlled accessories can also be used.



## Track

The track has high bending and torsion stability. The deflectors are mounted on bearings, which ensures extremely quiet operation. A maintenance-free toothed belt is pre-assembled in the track at the factory.



## The key data at a glance

Operator type .....	Novomatic 423
Push and pull .....	600 N
Running speed .....	15 cm/ s
Maximum door surface.....	10 m <sup>2</sup>
Operation/ day (open/ close).....	15
Stand-by consumption.....	< 0.5 W
Integrated LED lighting.....	1.6 W



# Garage door finder

## Garage door facts

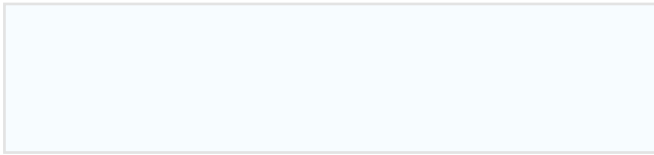
- High corrosion resistance thanks to base painted, hot-dip galvanized garage door leaves and galvanized block frames
- Smooth running thanks to extremely quiet plastic rollers and plastic abrasive strips in the block frame
- High distortion resistance through continuously welded hollow frame profiles with cross braces
- Sturdy multiple spring assemblies ensure easy operation and maximum operational reliability

### Additional facts about the Up-and-over-K® 90 Air garage door

- Excellent garage ventilation: 90 x 90 mm ventilation openings. Ventilation cross-section: approx. 35% (depending on size).

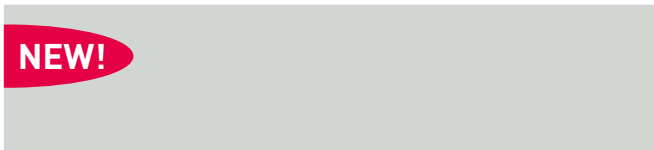
## Colours

### Standard colour



**Traffic white**, similar to RAL 9016  
for all Novoferm steel up-and-over garage doors other than Bocholt

### Super Colours/ Preferred colours



**Light grey**, similar to RAL 7035



**Window grey**, similar to RAL 7040



**Anthracite grey**, similar to RAL 7016



**Pigeon blue**, similar to RAL 5014



**Fir green**, similar to RAL 6009



**Ochre brown**, similar to RAL 8001



**Sepia brown**, similar to RAL 8014

### RAL of choice



Apart from the Super Colours, almost all individual colour preferences – except for a few metallic, luminous and pearl effect colours as well as some especially dark colour shades – are possible at a small additional charge. Ask your stockist for more details.



# Garage door finder

## Ribbed steel garage doors



Rees, vertical rib



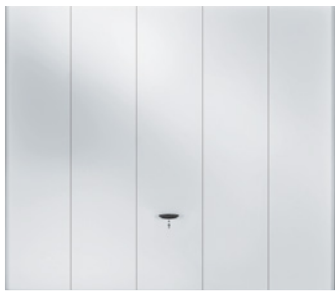
Rees



Hamburg, horizontal rib



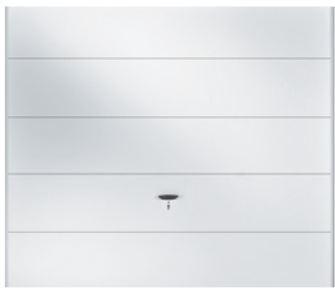
Kleve



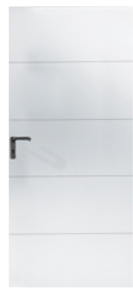
Kreuztal, vertical slat



Kreuztal



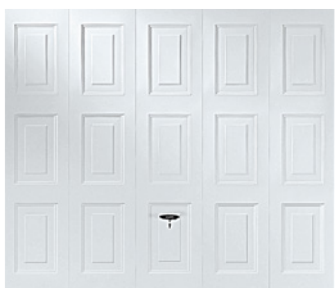
Siegen, horizontal slat



Siegen



## Raised panel steel doors



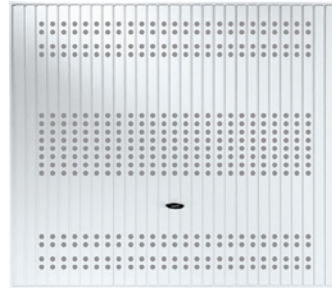
Hagen, vertical raised panel



Hagen



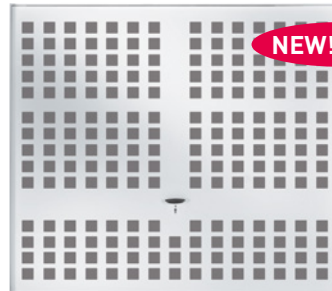
## Steel garage doors for individual parking spaces in communal/ underground garages



Kiel, vertical rib with punched ribbed plate filling



Kiel



K° 90 Air, 90 x 90 mm ventilation openings



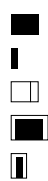
## Door leaf frames open for infill



Bocholt, door leaf frame for on-site filling, standard colour sepia brown, similar to RAL 801



Bocholt



# Garage door finder

## Windows



**Variant 1:**  
Standard window,  
transparent glass



Standard window,  
crystal glass



**Variant 2:**  
Cross-bar window,  
crystal glass

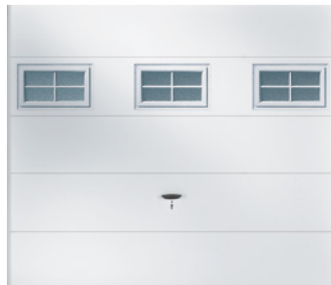


**Variant 3:**  
Rhombus window,  
crystal glass

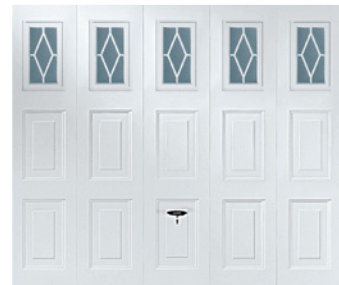
- Ribbed garage doors can be fitted with horizontal or vertical window cutouts depending on the garage door type. Raised-panel garage doors are only available for delivery with vertical window cutouts.
- All windows are available with either a clear or crystal 3 mm acrylic glass double pane
- Dimensions: approx. 390 x 190 mm



**Example 1:**  
Rees with standard window, crystal glass



**Example 2:**  
Siegen with cross-bar window, crystal glass



**Example 3:**  
Hagen with rhombus window, crystal glass

# Garage door finder

## 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 fit out our systems to match your own personal requirements. You'll find a selection of the most important accessories on these pages.

### Hand transmitters



**Mini-Novotron 522 Design hand transmitter**  
2-channel, 433 MHz,  
KeeLoq rolling code



**Mini-Novotron 524 Design hand transmitter**  
4-channel, 433 MHz,  
KeeLoq rolling code



**Mini-Novotron 522 hand transmitter**  
2-channel, 433 MHz,  
KeeLoq rolling code



**Mini-Novotron 524 hand transmitter**  
4-channel, 433 MHz,  
KeeLoq rolling code



#### Wall mounting/ silicon case

Suitable for use as case and wall mounting for Mini-Novotron 522 Design/ 524 Design and for Mini-Novotron 522/ 524



**Mini-Novotron 502 hand transmitter**  
2-channel, 433 MHz,  
KeeLoq rolling code



**Mini-Novotron 504 hand transmitter**  
4-channel, 433 MHz,  
KeeLoq rolling code



**Micro-Novotron 512 hand transmitter**  
2-channel, 433 MHz,  
KeeLoq rolling code

All our new and existing hand transmitters are compatible with all our new and existing operators.

# Garage door finder

## ... additional accessories

### Remote switches

**NEW!**



**Signal 111 remote wall switch**  
2-channel, 433 MHz,  
KeeLoq rolling code for controlling  
2 operators or 1 operator and  
1 outside lighting  
in UV-resistant material

**NEW!**



**Signal 218 remote coded key pad**  
10 codes, 433 MHz,  
KeeLoq rolling  
code with stainless steel cover, backlit  
in UV-resistant material

### Switches

**NEW!**



**Signal 112 wall switch**  
Start key, holiday switch,  
continuous light (On/ Off),  
24 V connection to the operator  
in UV-resistant material



**Coded key pad signal 213**  
3 signals, metal key pad,  
230 V connection

## Better safe than sorry.

While easy operation is important, the safety of an automatic door system is even more so. Easy-installation, contactless opto sensors 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 generat

### Emergency unlocking



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

Ask your dealer to show you our full range of accessories.

# Technical data for up-and-over doors at a glance

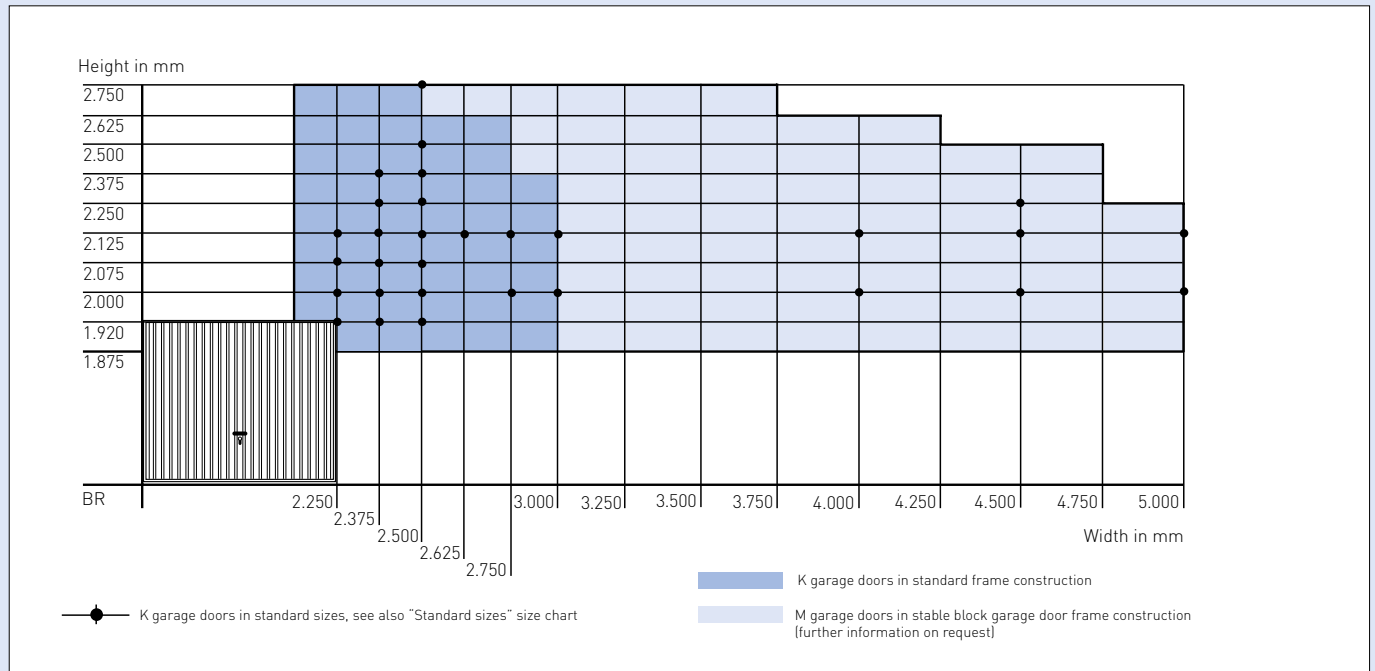
## Novoferm K<sup>®</sup> up-and-over garage door

Standard sizes of up-and-over door K<sup>®</sup> for single garages (depending on garage door motif)

Order size Coordinating size		Outer frame height		Clear passage dimensions		Installation behind the opening Installation area		Installation in the opening Finished dimensions	
Width	Height	Width	Height	Width	Height*	Width	Height	Width	Height
2250	1920	2341	1985	2107	1780	2250 [2205-2330]	1920 [1890-1950]	2361	1965
	2000	2341	2065	2107	1860	2250 [2205-2330]	2000 [1970-2030]	2361	2045
	2075	2341	2140	2107	1935	2250 [2205-2330]	2075 [2045-2105]	2361	2120
	2125	2341	2190	2107	1985	2250 [2205-2330]	2125 [2095-2155]	2361	2170
2375	1920	2466	1985	2232	1780	2375 [2330-2455]	1920 [1890-1950]	2486	1965
	2000	2466	2065	2232	1860	2375 [2330-2455]	2000 [1970-2030]	2486	2045
	2075	2466	2140	2232	1935	2375 [2330-2455]	2075 [2045-2105]	2486	2120
	2125	2466	2190	2232	1985	2375 [2330-2455]	2125 [2095-2155]	2486	2170
	2250	2466	2315	2232	2110	2375 [2330-2455]	2250 [2220-2280]	2486	2295
	2375	2466	2440	2232	2235	2375 [2330-2455]	2375 [2345-2405]	2486	2420
2500	1920	2591	1985	2357	1780	2500 [2455-2580]	1920 [1890-1950]	2611	1965
	2000	2591	2065	2357	1860	2500 [2455-2580]	2000 [1970-2030]	2611	2045
	2075	2591	2140	2357	1935	2500 [2455-2580]	2075 [2045-2105]	2611	2120
	2125	2591	2190	2357	1985	2500 [2455-2580]	2125 [2095-2155]	2611	2170
	2250	2591	2315	2357	2110	2500 [2455-2580]	2250 [2220-2280]	2611	2295
	2375	2591	2440	2357	2235	2500 [2455-2580]	2375 [2345-2405]	2611	2420
	2500	2591	2565	2357	2360	2500 [2455-2580]	2500 [2470-2530]	2611	2545
	2750	2591	2815	2357	2610	2500 [2455-2580]	2750 [2720-2780]	2611	2795
2625	2125	2716	2190	2482	1985	2625 [2580-2705]	2125 [2095-2155]	2736	2170
2750	2000	2841	2065	2607	1860	2750 [2705-2830]	2000 [1970-2030]	2861	2045
	2125	2841	2190	2607	1985	2750 [2705-2830]	2125 [2095-2155]	2861	2170
3000	2000	3091	2065	2857	1860	3000 [2955-3080]	2000 [1970-2030]	3111	2045
	2125	3091	2190	2857	1985	3000 [2955-3080]	2125 [2095-2155]	3111	2170

\* Garage doors with 30 mm recess (rebate)

Overview of size ranges for up-and-over doors: Standard and special sizes



# Technical data for up-and-over doors at a glance

## Novoferm K<sup>®</sup> up-and-over garage door

### Installation

BRH Order size	RAMH	DH min.	LFB min.	LDH	EBT	UK-LS	R
1.920	1.985	1.965	1.890	1.780	1.925	1.775	957,5
2.000	2.065	2.045	1.970	1.860	2.005	1.855	997,5
2.075	2.140	2.120	2.045	1.935	2.080	1.930	1.035
2.125	2.190	2.170	2.095	1.985	2.130	1.980	1.060
2.250	2.315	2.295	2.220	2.110	2.255	2.105	1.122,5
2.375	2.440	2.420	2.345	2.235	2.380	2.230	1.185,5
2.500	2.565	2.545	2.470	2.360	2.505	2.355	1.247,5
2.625	2.690	2.670	2.595	2.485	2.630	2.480	1.310,5
2.750	2.815	2.795	2.720	2.610	2.755	2.605	1.372,5

BRH = Coordinating height (order size)  
 RAMH = Outer frame height = BRH +65  
 DH min. = Ceiling height min. = BRH +45  
 LFB min. = Clear finished height (min.) = BRH -30  
 LDH = Clear passage height = BRH -140  
 EBT = Installation depth = BRH +5  
 UK-LS = Track bottom edge = BRH -145  
 R = Opening radius

With floor recess

BRH Order size	RAMH	DH min.	LDH	EBT	UK-LS	R
1.920	1.985	1.995	1.810	1.925	1.805	957,5
2.000	2.065	2.075	1.890	2.005	1.885	997,5
2.075	2.140	2.150	1.965	2.080	1.960	1.035
2.125	2.190	2.200	2.015	2.130	2.010	1.060
2.250	2.315	2.325	2.140	2.255	2.135	1.122,5
2.375	2.440	2.450	2.265	2.380	2.260	1.185,5
2.500	2.565	2.575	2.390	2.505	2.385	1.247,5
2.625	2.690	2.700	2.515	2.630	2.510	1.310,5
2.750	2.815	2.825	2.640	2.755	2.635	1.372,5

BRH = Coordinating height (order size)  
 RAMH = Outer frame height = BRH +65  
 DH min. = Ceiling height min. = BRH +75  
 LDH = Clear passage height = BRH -110  
 EBT = Installation depth = BRH +5  
 UK-LS = Track bottom edge = BRH -115  
 R = Opening radius

Without floor recess

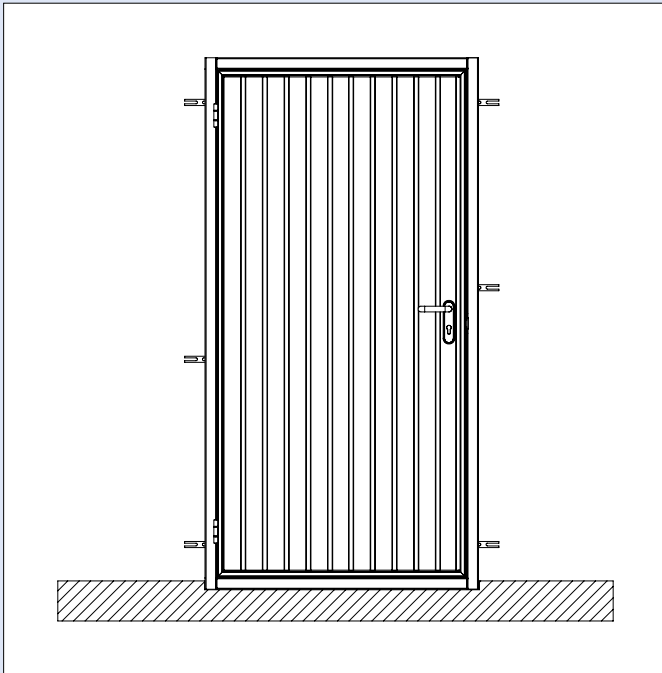
Illustration:  
 Wall anchor inside and installation behind the opening

BRH Order size	RAMB	LFB min.	LDB	GIB min.
2.250	2.341	2.205	2.107	2.361
2.375	2.466	2.330	2.232	2.486
2.500	2.591	2.455	2.357	2.611
2.625	2.716	2.580	2.482	2.736
2.750	2.841	2.705	2.607	2.861
3.000	3.091	2.955	2.857	3.111

BRB = Coordinating width (order size)  
 RAMB = Outer frame width = BRB +91  
 LFB min. = Clear finished width (min.) = BRB -45  
 LDB = Clear passage height = BRH -143  
 GIB min. = Garage inside width min. = BRB +111

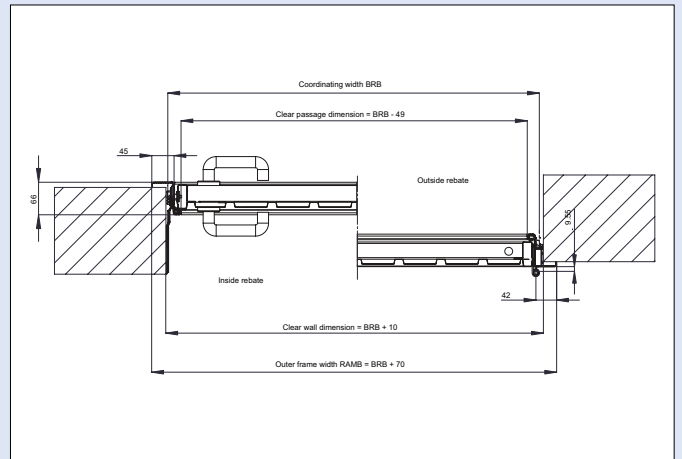
# Novoferm side doors

## Front view with anchor arrangement

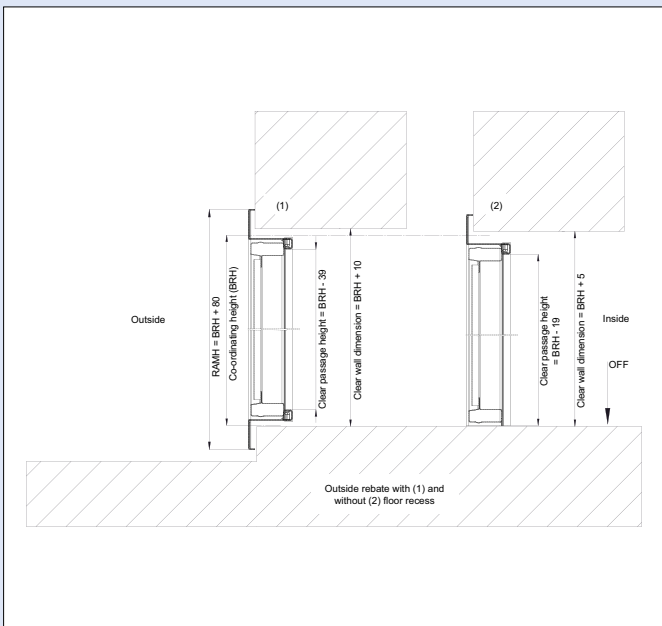


The opening direction and the type of rebate must be stated in orders for side doors to be filled by customer, timber planking, raised panel design, and all special designs. Rebates are always outside on timber-planked frames.

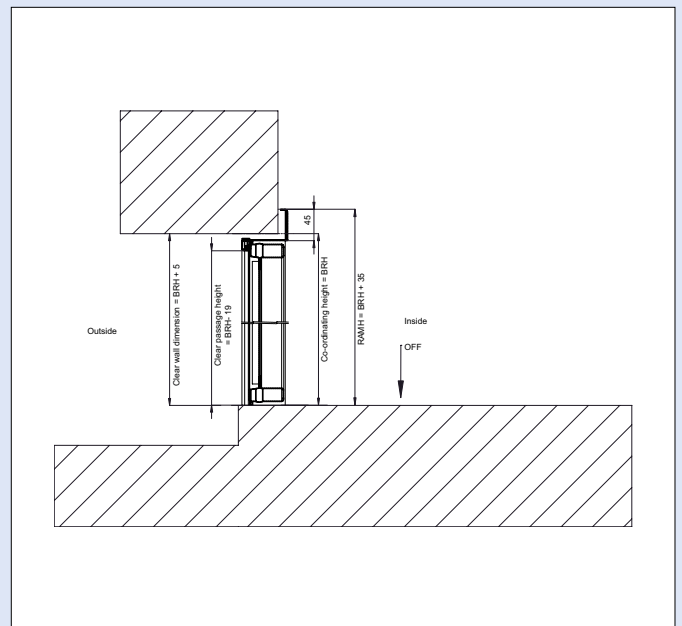
## Vertical section with inside rebate



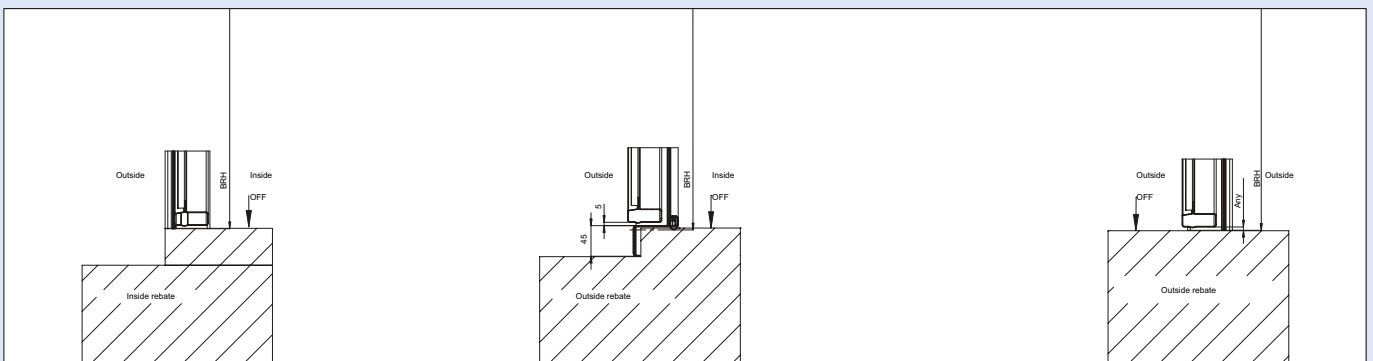
## Installation with outside rebate



## Installation with inside rebate



## Types of rebate




## **Novoferm. On-site. Direct. Europe-wide.**

Novoferm Group is one of Europe's leading system suppliers of doors, garage doors, frames and operators. We offer a large range of products and services for private, commercial and industrial applications. All our products are manufactured to the highest quality standards 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!

Your Novoferm sales partner



Novoferm GmbH  
Schüttensteiner Str. 26  
D-46419 Isselburg  
Tel.: (0 28 50) 9 10-0  
Fax: (0 28 50) 9 10-650  
E-Mail: [sales@novoferm.com](mailto:sales@novoferm.com)

 [www.novoferm.com](http://www.novoferm.com)

