

BRDECO Automatic Industrial Door

Distinctive, Dependable, Durable

The ideal solution for all industrial needs

BRDECO
WE BUILD TOGETHER

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Why Choose BRDECO Industrial Doors?

1. Automatic Continuous Sandwich Panel Production Line

The garage door panel is produced by the automatic continuous sandwich panel production Line, which can produce 2000 M2 per day. The white and black raw material of PUR are foamed simultaneously with experienced formula when the external and internal steel plate are cladded, which can ensure the high quality of the PUR sandwich panel.



2. Strict Quality Control System and R&D Team

We have special QC team of skilled technicians with more than ten years of quality inspection experience. Before packing, the product will strictly follow the ISO9001 quality inspection standard for 100% sampling inspection. R&D team of more than experienced 12 experts



3. Professional Customized Service

We can design and manufacture the non-standard product as per the drawing provided by the customer.

Customization is available, including the thickness, size of the door panel, which can be confirmed as per RAL or PANTONE. The handles and locks can also be selected by customers.



4. Considerate and Timely After-sale Service

User manual of paper and electronic versions, installation video will be sent to the customer when delivery, we can also guide the customer on line or by phone to ensure the installation is finished in the shortest time.



Advanced Production



Everything Under One Workshop

BRDECO manufacture everything in-house and in accordancewith strict rules and standards. This is our guarantee toyou that an BRDECO door meets the highest possiblerequirements. We also have strategic

alliances with top manufacturers, allowing us to offer a complete range of industrial doors, all under a single and trusted workshop. We purchase parts and components from worldwide preferred suppliers, which means BRDECO can guarantee a level of qualitythat is unique in our industry.







From Production to Delivery

Our door panels and rail systems are custom-made according to order using the automated facilities in our state-of-the-art production halls. We build the necessary suspension packages in our own factory, with the parts manufactured using specialist tools at our expert suppliers.All components that are part of the package are collectedat a pre-programmed location in our warehouse, ready for shipment to any location you wish.



Accurate and Better

BRDECO aspires to be a trendsetter and so the company continually invests in people, material and means. At the same time, we realise that when purchasing industrial doors our client's main concern is the price. But that does not mean we have to compromise on quality, and so we focus all our attention on creating even accurate and better production methods. This is the only way we can continue to market high-quality precision products at extremely competitive prices.



Considerate and In-time Logistics

Service-oriented and cost-saving

24 hours in service, all over the world

BRDECO does not just develop and manufacture, we also take care of everything for our customer from logistics and assembly to service. In order to provide full support to you as soon as possible, we have divided the global market into several recognisable sales regions.You are always welcome to call on any of these centres for tailor-made advice.

Perfect Logistics

A BRDECO door is made up of high-quality components that are collected at a pre-programmed location in our central warehouse, ready for shipment to the location of your choice. our cooperated transport partner ensures that your order is delivered just-in-time. Furthermore, our experienced assembly team guarantees the perfect assembly of your ordered BRDECO doors.

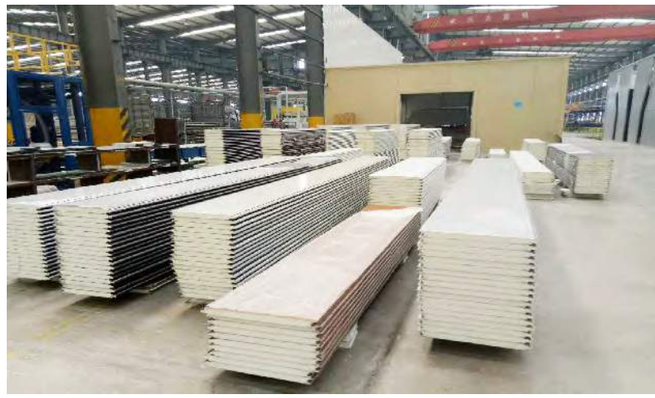
Kindly note that, you can always count on our professional service support during 24 hours a day.

Door-calculation

The BRDECO Door-calculation program provides the BRDECO dealer access to a very useful and user friendly calculation system.
Through this system our dealers can prepare and calculate various complete projects. The system is constructed and build up with different product groups.

BRDECO Sectional Industrial Doors in 40 mm and 50 mm thickness, Roller and fast action Roller Doors Garage Doors, Levellers and Shelters (Docking Equipment)
The output from our calculation system generates offers and detailed project descriptions ready to be sent to their client and dealer corporate identity is also an option.BRDECO offers further professional service as the client specific conditions are set within the system and at any given time the price is shown.







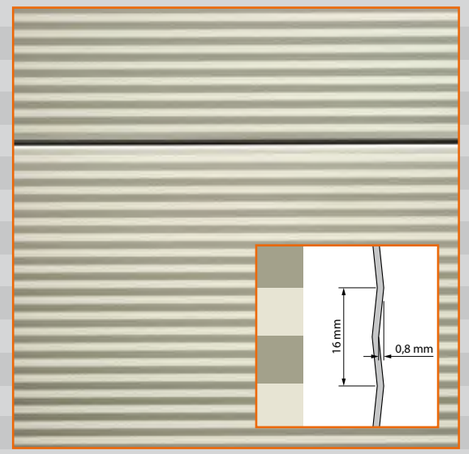


40 mm

Thickness

BRDECO’s all-rounder

The sectional industrial door of 40mm thickness is our most popular door,a modern design that is integrated with excellent thermal insulation and sound absorbing qualities in its micro-profiled led panels. The choice of design and materials are endless, which means the door can always be perfectly configured to meet your wishes. Numerous types of built-in windows as well as different heights and widths make up the 40 mm range, as well as a variety of 12 standard BRDECO’s in-house RAL colours.



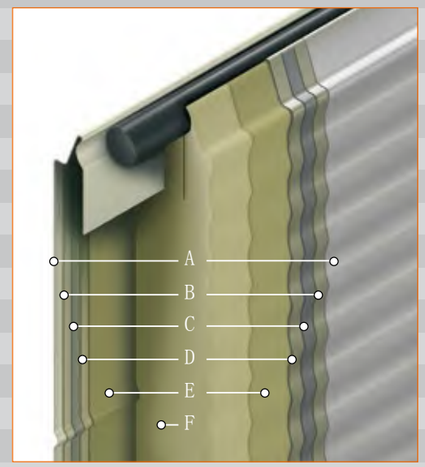
Micro-profiling, it’s the standard! 12 Standard colours without any extra charge



40 mm sectional industrial door: 5000 x 5000mm: 1.02 K W/m2 application options.

Sandwich-construction 40 mm panel

Panel thickness: 40 mm
Thermal conductivity: λ=0.025 W/mK
Insulation value: U=0.52 W/m ²K
Density PU foam: 40 kg/m³

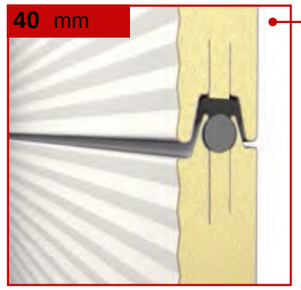


A Paint layer: 12 standard colours (outside)
B Zinc coating: 275 g/m²
C Steel sheet: 0.4 mm
D Zinc coating: 275 g/m²
E Primer coating
F PU high density foam: g=40 kg/m³, and HCFC-free
E Primer coating
D Zinc coating: 275 g/m²
C Steel sheet 0.4 mm
B Zinc coating: 275 g/m²
A Paint layer: RAL 9002 (inside)

Flexibility is everything

BRDECO 40 mm sectional industrial doors are designedand manufactured using the very latest technology. Their finish is robust and detailed, as demonstrated by the metal or aluminium end caps, the reinforcement profiles and the anodized aluminium sub-profiles, which cannot be seen from the outside. Flexibility is everything in the manufacturing process, and it is a true all-rounder that perfectly combines price, performance an

interior view 40 mm thickness

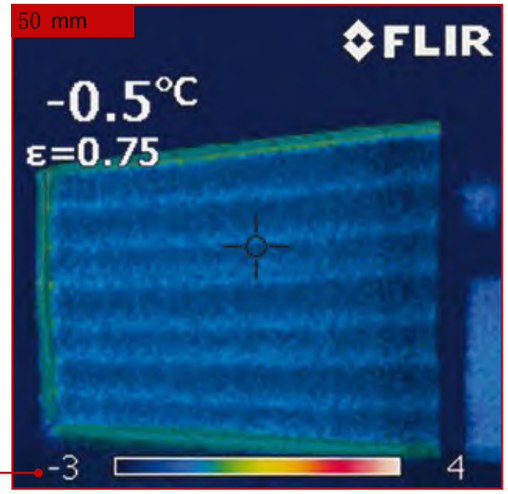


Panel seal

The panels of the 40/50 mm thk are specially sealed to make them completely wind and waterproof using Compriband, a polyurethane sealing strip that is attached between the panels. Additionally,

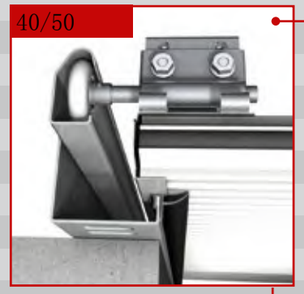
or

the 40/50 mm thk doors are fully insulated, because the inner and outer door panels are not attached to each other



Infrared imaging

The 50 mm sectional industrial door insulates even more effectively than the 40 mm door. We check this feature by taking infrared images of the assembled doors. Any light spots indicate where energy loss occurs, whilethe dark regions are well-insulated.



Standard frame

The standard frame between the door and the vertical railingensures that the sides of thedoor seal properly.



Heavy-duty frame

We use this type of frame for doors with a dark colour. Due to the heat of the sun, the door may expand in the middle against the upper lintel. The heavy-duty frame prevents this from happening.



Wind load

Depending on the width of thedoor, BRDECO will install reinforcing profiles on the door. Thanks to these, the door is able to withstand a heavy wind load, in accordance with the applicable rules and standards. At a door width from 4200mm(40mm thk)/500mm(50mm thk) each second panel has a profiles. With a door width from 5000mm(40mm thk) 5800mm (50mm thk), each section has a reinforcement profile.



The interior

The interior of the 40mm and 60mm sectional door is horizontally profiled and is coated in RAL9002 as a standard. Other colours are available on request at an additional cost.

The BRDECO in-house colours

Standard Colors

The optical properties of the micro-wave steel plate makes the door perfectly Suited to modern industrial architecture.

BRDECO's in house range offers 12 common RAL colours to give each door its very Own personality –at no extra cost. Thanks to this selection of colourfast coil coatings, the doors can always be seamlessly integrated into your company's look. Do you have special requirements when it comes to colour?

BRDECO can offer you a whole rainbow of colours.





RAL 3000



RAL 5003



RAL 5010



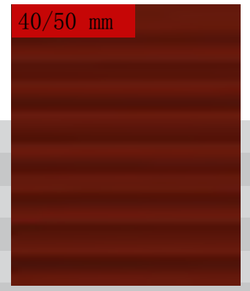
RAL 6009



RAL 7005



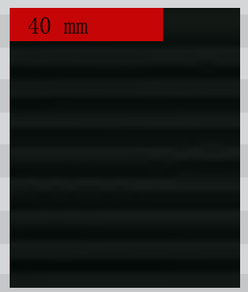
RAL 7016



RAL 8014



RAL 9002



RAL 9005



RAL 9006



RAL 9007



RAL 9010

Dark colorare to be avoided in alignment with the sun in double-walled steel doors, as a possible deflection can damage the door.

Types of windows

The purpose of windows

BRDECO sectional doors can be fitted with windows for increased natural light and improved visibility. The standard windows are oblong, with straightor rounded corners containing single or insulating double glazing.
For additional security against intruders, narrow rectangular windows with rounded corners are also available. Are you looking for a one-of-a-kind design? Then go for the rounded windows or a creativepattern made up of windows.



The light yield oft he various windows

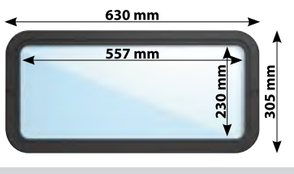




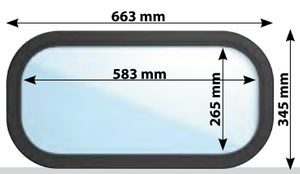




Lots of light and great visibility



Rounded corners (r=60 mm), excellent insulative value

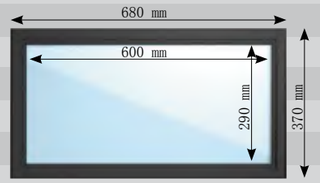


Rounded corners (r=100 mm), excellent insulative value





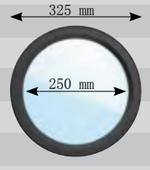




Straight corners, excellent insulative value



Narrow, burglar-proof windows



Attractive round windows

Wicket- and Side-doors
40 / 50 mm

While a wicket door can be built into an BRDECO industrial door, we recommend that wherever possible pedestrian traffic and goods traffic be kept apart.In other words, a permanent wicket door in the façade, separate from the sectional door, or apermanent wicket door next to the sectional door.

The wicket door can be built into the sectional door , but this may affect the door's stability. It also presents limitations in terms of the door's width,height and threshold height, as a result of which the gate may not meet the current legal requirements for an emergency exit. Always discuss your plans with the local authorities so you can be sure you'rechoosing the right wicket door.



Completely separate doors for pedestrians and goods.



Separate doors for pedestrians and goods, but in the same opening structure.



Wicket door for people built into a sectional door for goods.

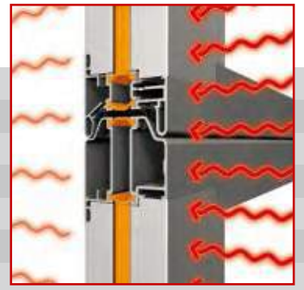
Permanent Wicket Door Next to the Sectional Door

The advantage of a permanent wicket door is that the doors for pedestrians and goods are completely separate. This increases safety, ease-of-use and the stability of the sectional door.
A permanent wicket door is installed inthe façade next to the sectional door,where the design and panel structure ofthe wicket door and top panel match thestructure of the sectional door, unifyingthem and making them both architecturally and aesthetically pleasing.



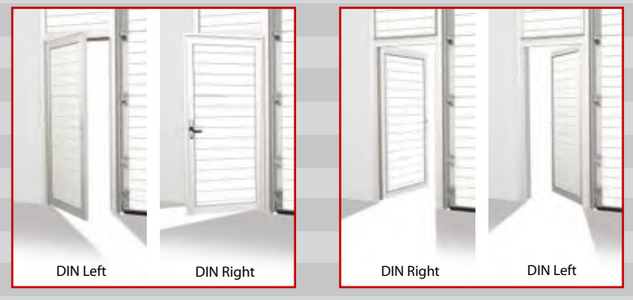
Section seals

The sections of the industrial door are specially sealed to make them completely wind and waterproof.Any heat transmission is prevented by the special insulation profiles.



Choose the right door

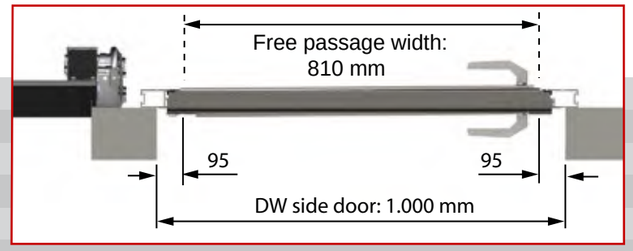
A permanent wicket door can open both inwards andoutwards and you can choose between a left-hingedDIN standard door or a right-hinged DIN standard door.If the wicket door is also to be used as an emergencyexit, the door must open outwards.

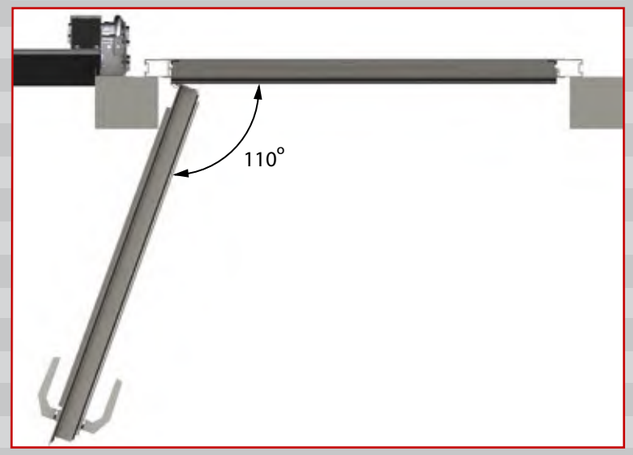


Installation onto or in the opening

A sectional door is always built against the interior side of the opening, so if you wish to install a permanent door in the same façade, Alpha will likewise always install it behind the opening . This has two advantages : firstly the doors are aligned, and secondly the width of the wicket door is 810 mm (1,000 + 50 - 240 = 810 mm) for a 1,000 mm opening.
The first aspect is aesthetically pleasing, while the second means a gain of 50mm compared to when it is installed in the actual opening.

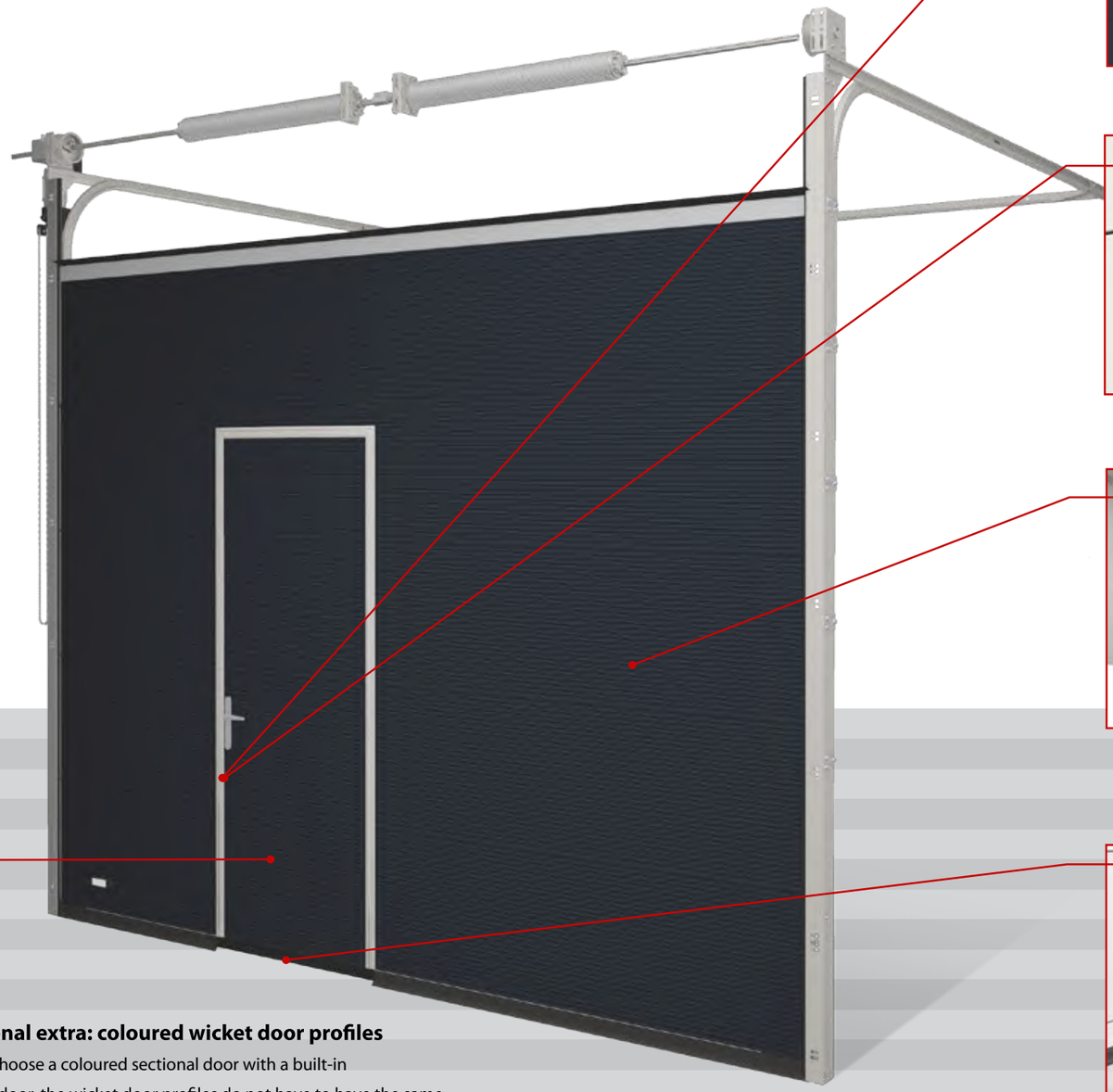






Wicket door built into the sectional door

If you cannot install a permanent wicket door in the façade of your building, Alpha can build a wicket door into the sectional door. We offer various options for this, all of which meet the very highest structural, aesthetic and safety requirements. The built-in wicket door has a sophisticated integrated hinge system, an accurately-aligned locking system with stabilising pins and an integrated safety switch. Three choices are available for the threshold height: 22, 110 and 195 mm.





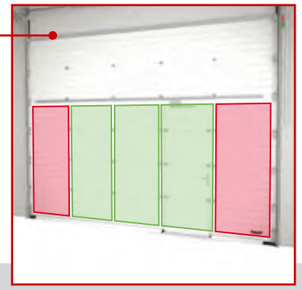
Integrated wicket door switch

The wicket door switch, which is fitted under the safety catch, is an integrated safety device that prevents the sectional door from being operated when the wicket door is open.



Stabilising pins

The wicket door is held in perfect position by the stabilising pins. This means that the door will never "droop". The pins also create a more effective seal between the wicket door and the door. The magnetic contact of the wicket door switch is fitted beneath the pin.



Divider

A wicket door can never be positioned in the outermost parts of a sectional door, as this would affect its stability. The picture shows where the door can and cannot be installed. Wicket doors can be installed in sectional doors with a maximum door panel width of 6,000 mm. If you have a wider door, you will have to consider alternative options.



Aesthetically appealing wicket door

Alpha recently made significant improvements to its wicket door design, the main one being the integration of the hinge system into the sectional door. This means the fastenings are no longer visible on the exterior and the standard ALU wicket door profiles do not protrude as much.

Optional extra: coloured wicket door profiles

If you choose a coloured sectional door with a built-in wicket door, the wicket door profiles do not have to have the same colour as the door. This option is up to you, and while some people prefer a clearly visible wicket door, others like theirs to be less conspicuous. Alpha offers you both options.





22 mm threshold

To restrict the risk of tripping when evacuating the building, Alpha has created a low 22 mm threshold. Such a low threshold meets on certain conditions national directives on emergency exits.

HARDWARES

Selected Raw Material



Tracks and accessories which are made of quality galvanized sheetwithout zinc spangle have even color and advantages of corrosion resistance, so they can be used for along time without rusting.

High Standard Manufacturing



All accessories are produced as per the international standard and designed reasonably to ensure the stable running of the garage door.

Exquisite Workmanship



The whole work in companycarried out in strict accordancewith the high level processingtechnology and management toensure the precision dimensionand fine appearance of the final

Durable Hinge



Two door panel leaves are linked by the galvanized hinge. The set screw of thehinge is fixed on the small steel strip which is pre-laid along the panel at thejoints, so the screws could be heldstrongly by it and will not easy to loosen.

Torsion Spring



The galvanized torsion spring system which is equipped as per the door weight can maximally balance the door and ensureits smooth open and close. The torsion springis processed by shot blast and coated withprotective layer on the surface.

Protection against Draughts



Adjustable roller brackets, allow the top panel to seal directly to the top profile. This greatly reduces draughts and heat loss. This adjustment will be set to its optimum during installation. It is also possible to make fine adjustment over the years to ensure your BRDECO Garage Door will always be energy efficient.

Long Operation Life



SPRING COVER

EXPOSED SPRING

The side spring mechanism for doors up to 3.5m wide are fully enclosed for extra safety,it eliminates finger traps and enhances thedoors internal appearance, by covering themechanism. Lifetime of springs is up to 30000 open/closecycles. This corresponds to 20 years of servicewith 4 times daily opening/closing during theperiod.

Bottom cover of the track



After being cut, the bottom of the track will be easy to rust or corrode. We equipthe high quality anti-rust PVC cover at the bottom of the track to protect thecut edge of the track to avoid this . problem

The Control Box Features

BRDECO offers a wide range of top-quality controls for your sectional door that can be integrated into the door system's control box. Numerous elements can also be mounted on an interior or exterior wall, a pillar or anywhere else, including safety devices, switches, remote controls, warning lights and much more.



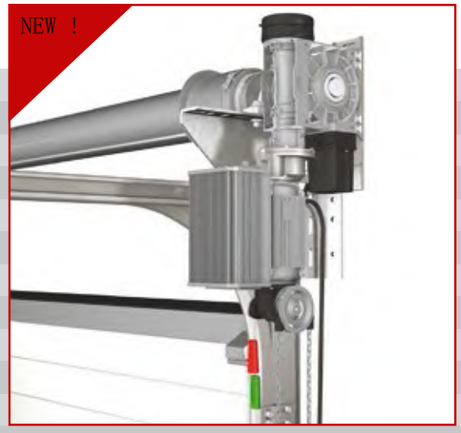
Motor with emergency chain

All the drive systems have a mechanical back-up system fitted to the reduction gearbox of the electric motor, so that the sectional door can be opened if the power Fails. It must be activated and deactivated manually using pull cords. The reduction gearbox can then be powered using the chain.



Motor with release system

The motor can be fitted with a release system. Cables are used to disconnect the reduction gearbox from the spring shaft, which means that the sectional door can be opened faster in the event of malfunctions. It goes without saying that sectional doors with a release system are fitted with a spring break safety device.



Motor

The motor is a special model that has an electric drive without counter-balance spring. Combining it with a rapid roller door is not required due to the high opening speed of the door and suitable for frequent opening. A considerable saving in consist!



Main switch with padlock

The main switch can be used to turn off the power so that the door system can be serviced. Securing this switch with a padlock prevents unauthorised people from accidentally turning the power on while the service is being carried out.



Key switch

The key switch is used to disable the control box and prevent unauthorised people from operating the door. Only authorised people have a key to activate the door.



Two setting switch

You can use this switch to configure two settings. For example, push the button once to raise the door to the height of a person and twice to open the door fully. This option is ideal if you want to save energy and don't always need to open the door completely.



Emergency stop

offers the option to have an emergency stop installed in the control box when local, national or international legislation stipulates that an electrically operated sectional door must have this safety feature.



Normally, the control box and the connection box on the door panel are connected by means of a spiral cord. But this cord can get in the way and be damaged.

That's why BRDECO supplies connection boxed that are fitted with a battery and can transmit signals, such as detection messages wirelessly to the control box.

Power

BRDECO offers a variety of operators for powering sectional doors.
A manual system is ideal for doors that are not used frequently, while an electrically powered system with touch control is best for doors that are in constant use. Depending on the door configuration and yourrequirements, there is always a mechanism to suit your needs.

All our drive systems and operators meet the European EN-13241-1 standard.



Dead man's switch – electric

This system is an excellent choice when a door is used infrequently. One push of the button is all that's needed to open the door, although you have to keep it depressed to close the door. This enables the person operating the controls to keep an eye out for any dangerous situations that may arise while the door is closing.



Touch Control – Electric

If the doors are in constant use then go for a touch control. The door raises or lowers automatically toa set position, which can be electronically adjusted,without having to keep the button depressed.
An obstacle detection system is built into the door's bottom seal.



Pull cord – manually operated

If your door is smaller than 16 m^2 and you use it only sporadically, then your best option is the pull-cord doors up to 30 m^2 – ensures that opened or closed remotely. This option includes a open sufficiently, which may result in damage.



Chain hoist – manually operated

The chain hoist requires less physical exertion than a pull-cord (1:4 ratio). The system – suitable for sectional the forklift driver to remain seated while the door is position, which can be electronically adjusted, without



One touch with remote control

The touch control system is also perfect for remote operation and can save a lot of time, because it allows control. The door raises or lowers automatically to a setexertion (1:1 ratio) and there is a risk the door will not stationary photoelectric safety sensor, which is fitted to the door



Touch control with remote control and high speed motor

high speed motor
If the doors are in constant use then go for a touchmechanism. However, the system requires physical secured in the uppermost position. having to keep the button depressed. An obstacle detection system has been built into the door's bottom seal .

BRDECO Industrial Door Opener
KG100/KG120S/KG200S



Advantages of Industrial Door Opener

Oil immerged gear reducer

Mechanical limit switch

Auto-stop when obstruction

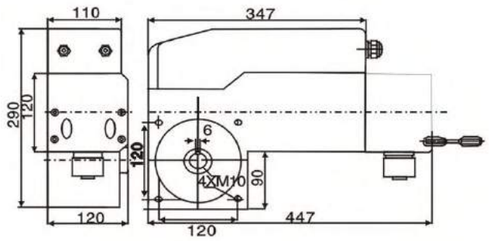
Auto-close function can be set

Keep off the failure of worm wheel

Remote control with rolling code 433.92 Mhz

Manual release chain when power supply failure

Wiring terminals for alarm lamp, infrared photocell, etc.

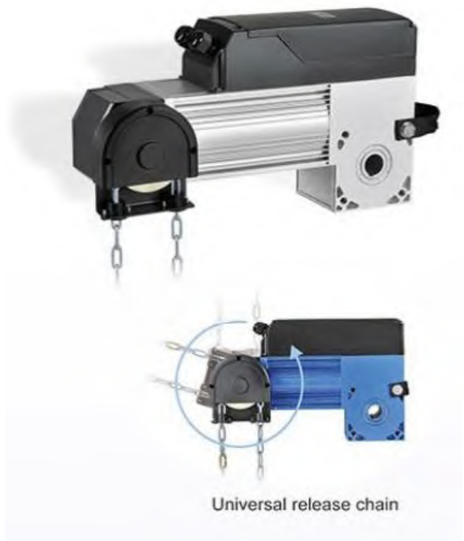




Main Specification of Industrial Door Opener

Model	KG60	KG120S	KG200S
Input Voltage	220×(1±10%)V 50Hz	380×(1±10%)V 50Hz	380×(1±10%)V 50Hz
Rotation Speed of motor	1400rpm	1400rpm	1400rpm
Output Rotation Speed	24rpm	24rpm	24rpm
Output Torque	60N.m	120N.m	200N.m
Motor Power	500W	700W	800W
Bore Diameter of Output Shaft	Ø25.4mm	Ø25.4mm	Ø25.4mm
Size of Key Slot	6mm	6mm	6mm
Thermal Protection Temperature	120℃	120℃	120℃
Working Temperature	(-20℃～+45℃)	(-20℃～+45℃)	(-20℃～+45℃)
Dimensions	120 * 290 * 447	120 * 290 * 447	120 * 290 * 447
Weight of Main Machine	22kg	22kg	22kg

BRDECO Industrial Door Opener
KG50/KG50S/KG75S



Features

Oil immerged gear reducer

Mechanical limit switch

Electronic limit can be optional

Brake inside (KG50/KG50S)

Full-auto release(KG50/KG50S)

Auto-stop when obstruction

Auto-close function can be set

Remote control with rolling code 433.92Mhz

Manual release chain when power supply failure

Wiring terminals for alarm lamp, infrared photocell, etc.



Main Specification of Industrial Door Opener

Model	KG50	KG50S-1	KG75S-1
Input Voltage	220×(1±10%)V 50Hz	380×(1±10%)V 50Hz	380×(1±10%)V 50Hz
Rotation Speed of motor	1400rpm	1400rpm	1400rpm
Output Rotation Speed	32rpm	32rpm	24rpm
Output Torque	30N.m	50N.m	75N.m
Motor Power	300W	400W	400W
Bore Diameter of Output Shaft	Ø25.4mm	Ø25.4mm	Ø25.4mm
Size of Key Slot	6mm	6mm	6mm
Thermal Protection Temperature	120℃	120℃	120℃
Working Temperature	(-20℃～+45℃)	(-20℃～+45℃)	(-20℃～+45℃)
Dimensions	100 * 233 * 360	100 * 233 * 360	100 * 233 * 360
Weight of Main Machine	12kg	12kg	12kg
Applicable area	16m2	25m2	32m2

BRDECO Industrial Door Opener
KG400/KG400S -1





Advantages of Industrial Door Opener

Oil immerged gear reducer

Mechanical limit switch

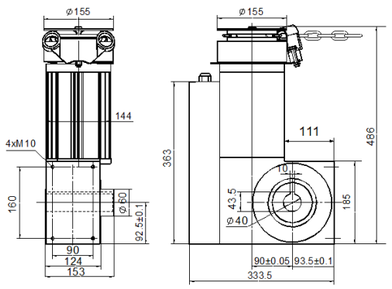
Auto-stop when obstruction
Auto-close function can be set

Keep off the failure of worm wheel

Remote control with rolling code 433.92 Mhz

Manual release chain when power supply failure

Wiring terminals for alarm lamp, infrared photocell, etc.



Accessories



Electric control



Button switch



Photocell

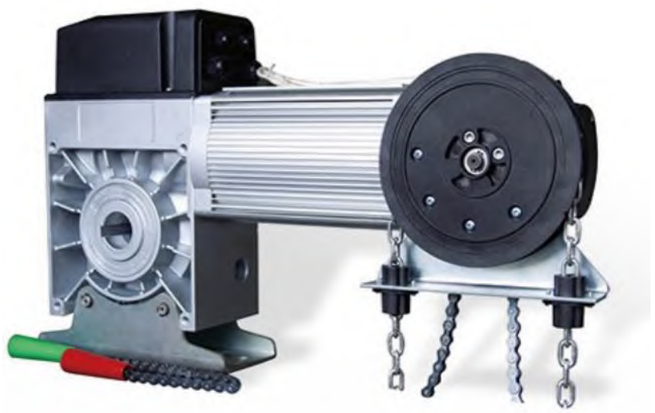


Transmiiter

Main Specification of Industrial Door Opener

Model	KG400	KG400S-1
Input Voltage	220×(1±10%)V 50Hz	380×(1±10%)V 50Hz
Rotation Speed of motor	960rpm	1400rpm
Output Rotation Speed	9rpm	13rpm
Output Torque	200N.m	400N.m
Motor Power	800W	1200W
Bore Diameter of Output Shaft	Ø40mm	Ø40mm
Size of Key Slot	10mm	10mm
Thermal Protection Temperature	120℃	120℃
Working Temperature	(-20℃～+45℃)	(-20℃～+45℃)
Dimensions	153 * 334 * 480	153 * 334 * 480
Weight of Main Machine	45kg	45kg
Applicable area	50m2	80m2

BRDECO Industrial Door Opener
KG500



Advantages of Industrial Door Opener

Oil immerged gear reducer

Mechanical limit switch

Auto-stop when obstruction

Auto-close function can be set

Keep off the failure of worm wheel

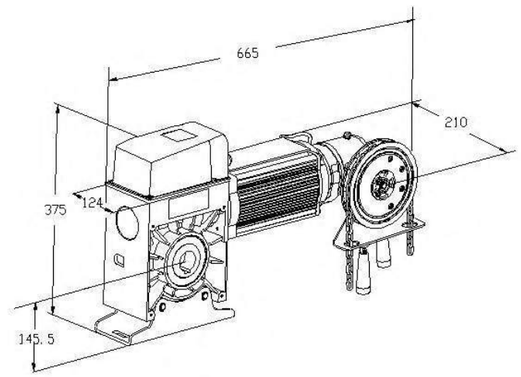
Remote control with rolling code 433.92 Mhz

Manual release chain when power supply failure

Wiring terminals for alarm lamp, infrared photocell, etc.

Main Specification of Industrial Door Opener

Model	KG500
Input Voltage	380V /50Hz
Rotation Speed of motor	720rpm
Output Torque	500N.m
Motor Power	1500W
Bore Diameter of Output Shaft	Ø40mm
Size of Key Slot	12mm
Working Temperature	(-20℃～+45℃)
Dimensions	665 * 375 * 210
Weight of Main Machine	35kg



Accessories



Electric control



Button switch



Photocell

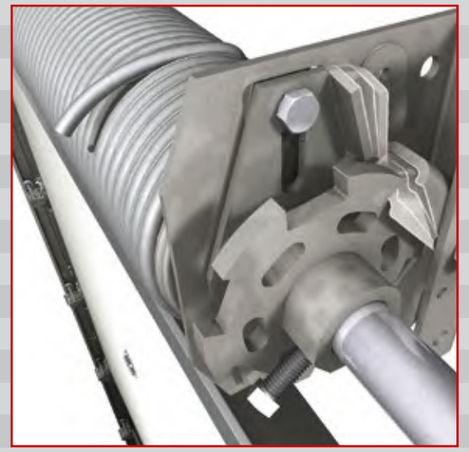


Transmiiter

Mechanical Safety Devices



Safety is important when it comes to the frequently heavy vertical sectional doors, so BRDECO offers mechanical and electricsafety devices that prevent the door from coming into contact with people, vehicles and obstacles, and causing injury or damageto the doors and/or goods. Excessively safeguarding a sectionaldoor is often unnecessary and could be disadvantageous, as itrequires things like extra space for installation and use and couldresult in components obstructing or even damaging each other.
That's why BRDECO recommends you always observe the safety rules. We provide optimum safety systems that meet the very strictest requirements and standards.



Spring break safety device

The European EN-13241-1 standard stipulates that asectional door may never descend without beingcontrolled. All manually operated sectional doors must therefore be fitted with a spring break safety device.

This device blocks the spring shaft in the event of aspring breaking and prevents the door from crashingdown. With motor driven sectional doors, instead of aspring break safety device there is a self-lockinggearbox. This means a spring break safety device isunnecessary, as it is only required for a motor with arelease system.

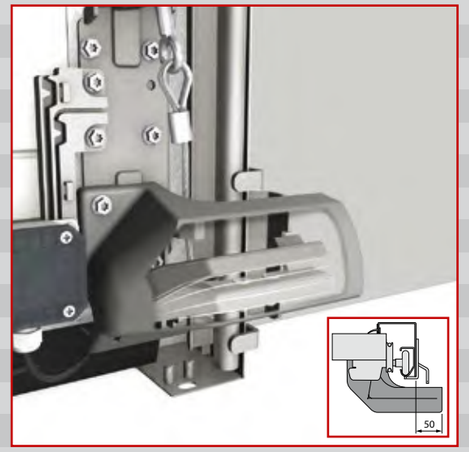


Cable break safety device

The TÜV sets out that the breaking load of bothhoisting cables must be six times the weight of abalanced door panel. A cable break safety device isnot required if the hoisting cables comply with this breaking load requirement.

If that safety margin cannot be guaranteed, then the door must be fitted with a cable break safety device.

This device guides safety cables through a system toprevent the door from crashing down should the cablebreak. An extra 50 mm is required alongside the rail toinstall a cable break safety device.



Locking device

Sectional doors are suspended on flexible cables, making it possible to raise them when they are unlocked. Designed especially for light, electrically operated doors, the locking device prevents this, because without it sectional doors are more vulnerable to break-ins. Manually operated doors are fitted with a spring-loaded mechanical slide lock as a standard. An extra 50 mm is required alongside the rail to install the locking device.

Electronic Safety Devices





Slack cable device

This safety device is installed on both hoisting cables and immediately disconnects the motor if one of the cables breaks or becomes slack.



Standard safety edge

The safety edge device is integrated together with a transmitter and receiver in the door's bottom rubber seal. If the signal is broken by an object or person, the door will stop and retract. The maximum contact pressure for the rubber seal is 40 kg. Choose the predictive obstacle safety edge if you have products that cannot withstand that level of pressure.



Predictive safety edge

The predictive safety edge is located 8 cm ahead of the door. If the bottom of the door approaches an obstacle, a signal is immediately sent to the motor and the door stops and reopens. This means the safety edge works without coming into contact with people, goods or transport vehicles.



Stationary photoelectric safety sensor

Motors with touch control must have a photoelectric safety sensor if the door opening is not visible to users while they are operating the door. There are two types: a model with a transmitter and reflector and a model with a transmitter and receiver. In both systems there is a transmitter attached to the rail on the control box side and a reflector or receiver attached to the opposite rail. If the beam between the transmitter and the reflector/receiver is broken, a signal is sent to the motor to stop and reverse the movement. While the reflector system is sensitive to dust and moisture, this is not the case for the receiver model.





Rolling Shutter Door

The superfast and space-saving Spiral-door

BRDECO sets itself ambitious targets in the areas of insulation, noise and pricing.
Our research & development department has succeeded n developing an
unprecedentedly fast sectional door that also offer exceptional insulation performance:
This rolling shutter door specially designed rollers keep noise to a minimum.
This patented system also contributes to the sleek design of the rolling shutter door.
Traditionally, two doors are often mounted in frequently used exterior openings;
an insulated door for use at night and a high speed door that is used during the day.
The new BRDECO rolling shutter door combines the best of both worlds in a single product.
An investment that pays for itself in next to no time!
The rolling shutter door has the identical drive system as the spiral door but has a standard track system.
This door opens 6xfaster as a similar sectional door but can be installed into a headroom of only 600 mm.
This type of rolling shutter door have a standard section height of 366 mm.
If you have insufficient back room for the rolling shutter door you have the solution with a faster speed!



40 mm sectional door: 5,000 x 5,000 mm: 1.77 W/m²K
40 mm sectional door: 5,000 x 5,000 mm: 4.25 W/m²K

BRDECO Rolling Shutter Door

Speed

This kind of door opens 6 x faster than similar sectional doors and is therefore extremely suitablein an environment where you have intensivelogistic movements.
This door opens fast and depending on the doorsize up to 1.1 M per second and real savings on theenergy cost can be achieved.

Energy-saving

The door leaf has a thickness of 40mm and a U-value of 1.77 W/m²K (panels / door leaf 5000 mm x 5000 mm). Additionally where requested we can provide high quality full width vision sections

Space-saving

This kind of BRDECO Door is a revolutionary innovation and thanks to the spiral system and chain drive does not required extended backroom. Tominimize wear and tear the Spiral action of thedoor means the panels do not touch, roll or fold upon them-selves. It offers a solution in a room where the ceiling construction does notallow track hangers for a regular sectional door.

Durability

Because of the intelligent drive-system without counterbalance, the BRDECO rolling shutter door does hardlyneed any service upto 200,000 cycles.

Scopes

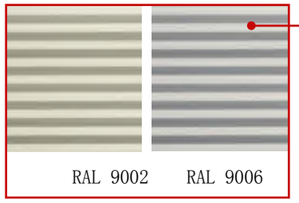
- Logistics
- Automotive industry
- Machine building
- Metal- and electrical-industry
- Chemical and pharmaceutical industry

Technical Details



Section Joint

The joint between thesections is wind and watertight to (class 3 wind load).



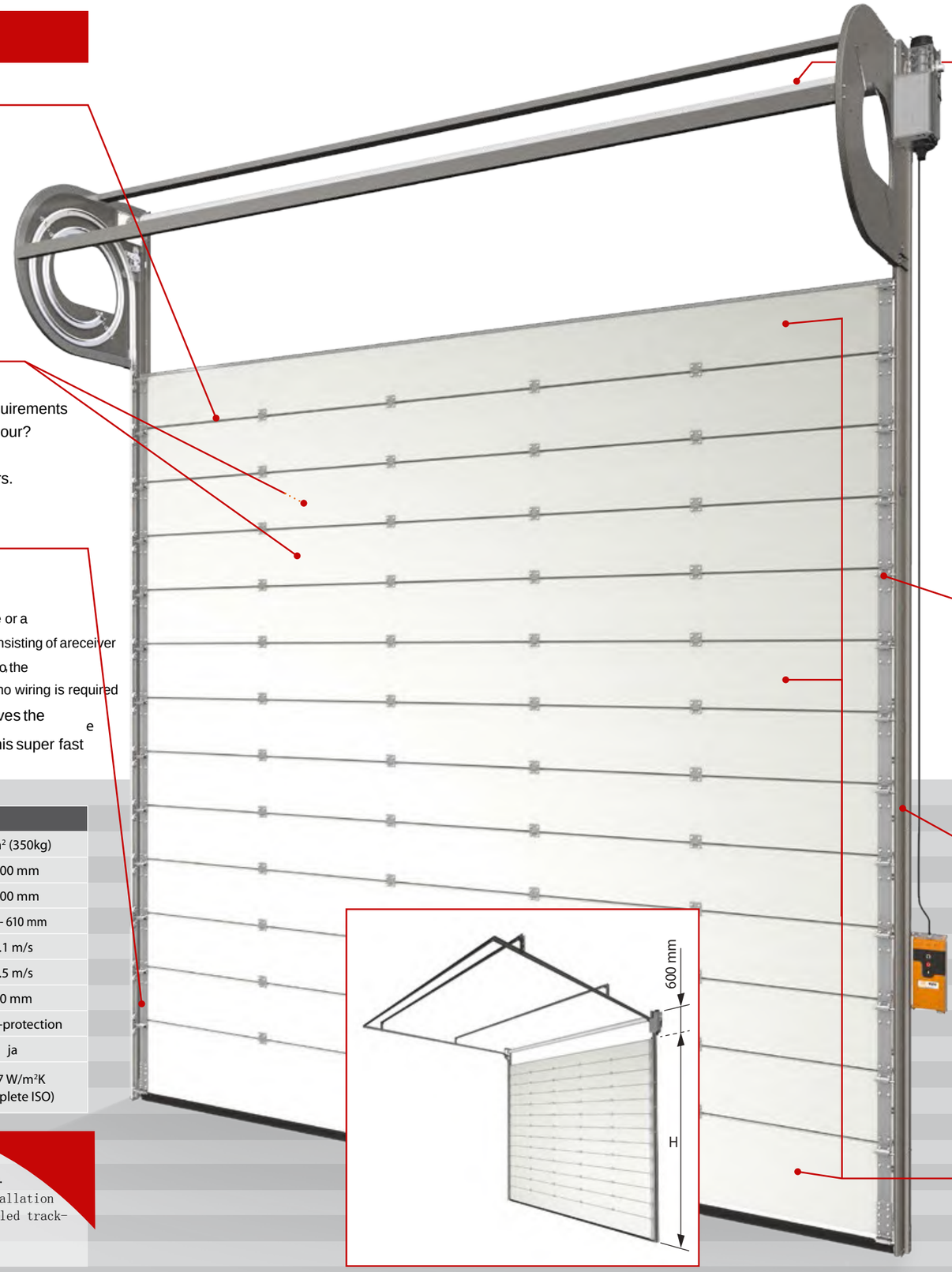
2 colours

Do you have special requirements when it comes to the colour? BRDECO can offer you a whole rainbow of colurs.



Safety

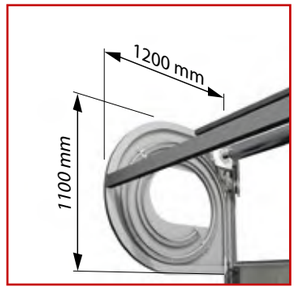
It can be equipped with pre-running safety-edge or a light-grid. The light-grid is consisting of areceiver and transmitter mounted into the track system, and therefore no wiring is required on the door leaf. This improves the operational reliability of this super fast door.





Torque-tube

The Helix Spiral Door and the S600are equipped with a direct drivealuminium Torque-tube and iswithout spring assistance.



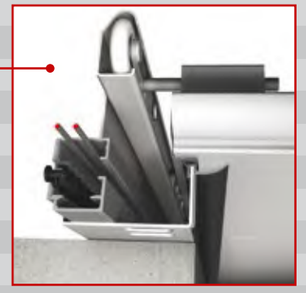
Installation Space

The spiral door coils itself up against the interior façade of the building and the build in space is 1100mm×1200mm at the head, 350mm on the drive side and 120mm on the non drive side.



Compact Slide-hinges

For extra safety the panel connecting hinges are almost flat and ensure a perfect seal with the vertical side seals.



Drive-concept

The uninterrupted chain-/ steel-cable system ensures preciseand controlled door-movementeven at high speed.

Specifications		
Max. Door leaf-surface	25 m² (350kg)	25 m² (350kg)
Max. Width	5000 mm	5000 mm
Max. height	5000 mm	5000 mm
Section height	366 - 610 mm	366 - 610 mm
Opening speed	1.1 m/s	1.1 m/s
Closing speed	0.5 m/s	0.5 m/s
Section-thickness	40 mm	40 mm
Section-Joint	Finger-protection	Finger-protection
ALU-sections option	ja	ja
U Value at 5.000 x 5.000 mm	1.77 W/m²K (complete ISO)	1.77 W/m²K (complete ISO)

FEATURES AND BENEFITS

- Low maintenance (200,000 cycles) Springless system.
- Pre-running safety-edge or light-grid (no wiring on the door leaf).
- Class 3 Wind load.
- High insulation value.
- Quick and simple installation because of pre-assembled track- and drive-system.
- High opening speed.

Configuration door leaf

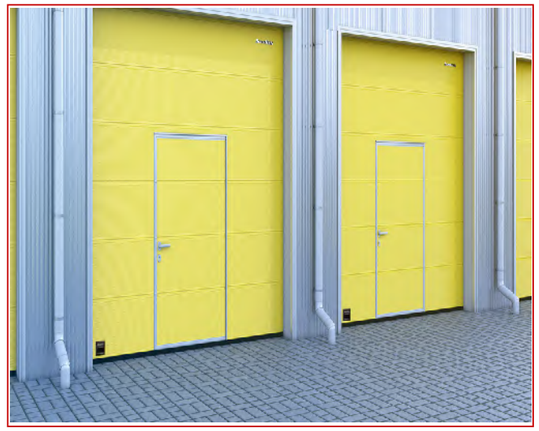
The door leaf for this rolling shutter door are configured as mentioned in the overview below.

			Min	Max
Bottom section			366 mm	610 mm
Intermediate section			366 mm	366 mm
Top section			250 mm	366 mm

References







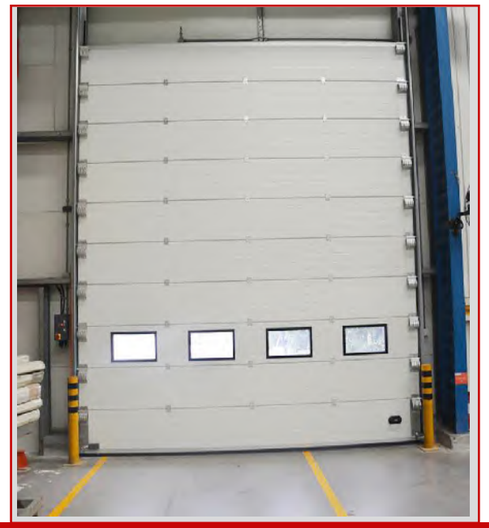








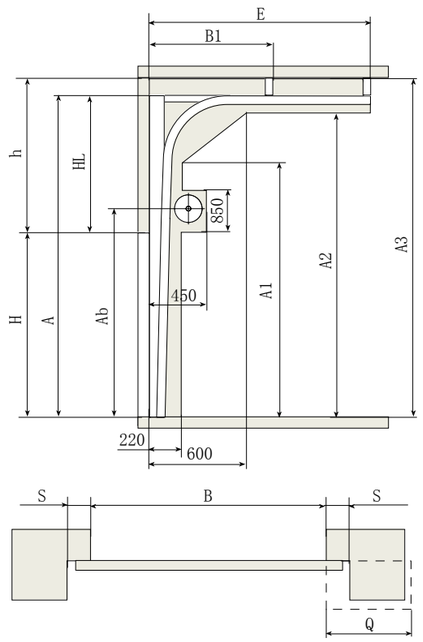




Main Installation Dimensions

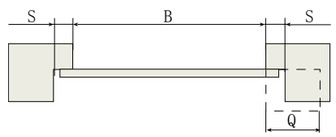
HIGH LIFT WITH LOW LEVEL SHAFT (RSD02, ISD01, ISD02)

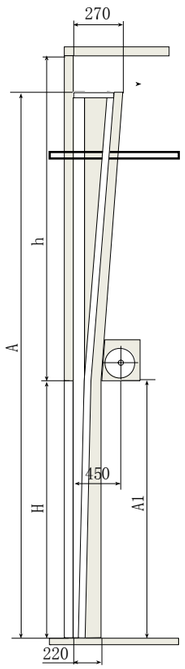
Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	> 1600
B, mm	Opening width	B
HL, mm	Distance from the horizontal track level to the opening	1380 ≤ HL ≤ h - 150
A, mm	Vertical track height	H + HL
Ab, mm	Shaft axis height and drum height	≥ H + 680
A1, mm	Bounding dimension of the door working space in front of vertical tracks	A - 500
A2, mm	Bounding dimension of the door working space in front of horizontal tracks	A - 110
A3, mm	Bounding dimension of the door working space (with operator or without operator for shaft)	A + 120
E, mm	Horizontal track length	H - HL + 350
B1, mm	Position data of via point for track fastening to the ceiling	E/2
S, mm	Minimum side space	500 min
Q, mm	Zone of the operator on shaft position	≥ 650



VERTICAL LIFT WITH LOW LEVEL SHAFT (RSD02, ISD01, ISD02)

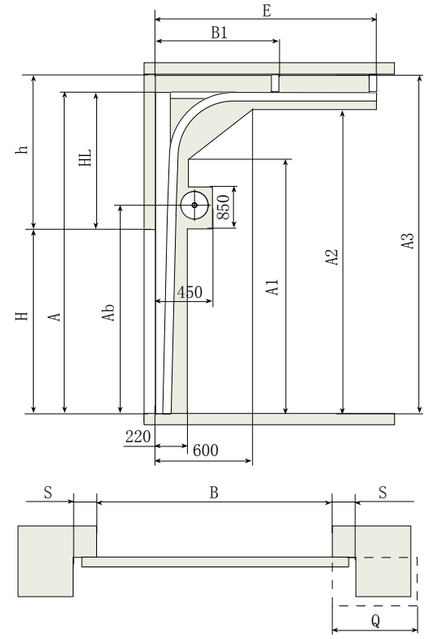
Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	> H + 250
B, mm	Opening width	B
A, mm	Vertical track height	2H + 250
A1, mm	Bounding dimension of the door working space in front of vertical tracks	H + 850
S, mm	Minimum side space	500 min
Q, mm	Zone of the operator on shaft position	≥650





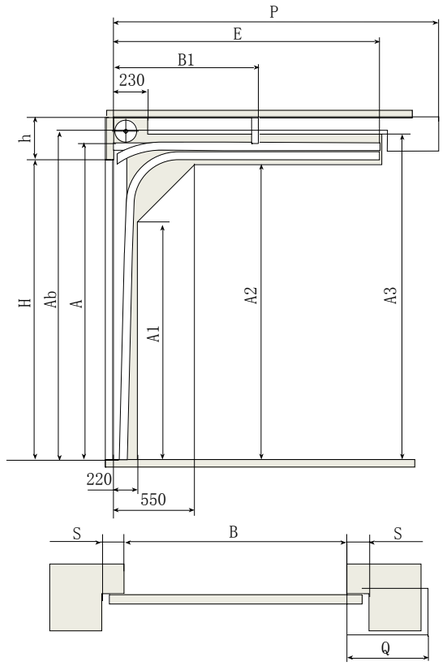
HIGH LIFT WITH LOW LEVEL SHAFT (RSD02, ISD01, ISD02)

Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	> 1600
B, mm	Opening width	B
HL, mm	Distance from the horizontal track level to the embrasure	1380 ≤ HL ≤ h - 150
A, mm	Vertical track height	H + HL
Ab, mm	Shaft axis height and drum height	≥ H + 680
A1, mm	Bounding dimension of the door working space in front of vertical tracks	A - 500
A2, mm	Bounding dimension of the door working space in front of horizontal tracks	A - 110
A3, mm	Bounding dimension of the door working space (with operator or without operator for shaft)	A + 120
E, mm	Horizontal track length	H - HL + 350
B1, mm	Position data of via point for track fastening to the ceiling	E/2
S, mm	Minimum side space	500 min
Q, mm	Zone of the operator on shaft position	≥ 650



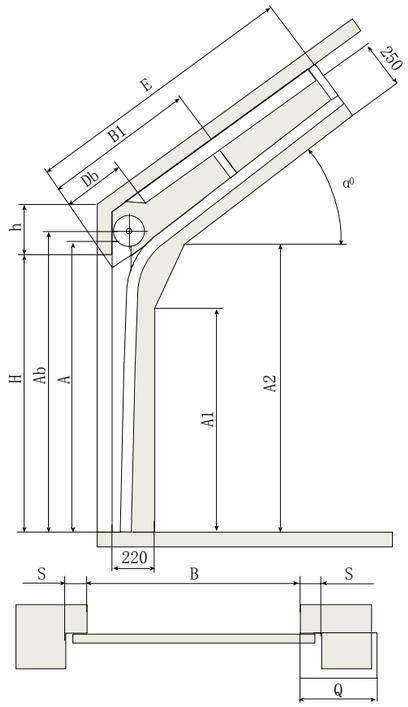
LOW HEADROOM WITH DRUM SFRONT (RSD02, YETT 02, ISD01, ISD02)

Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	h≥ 230 Yett 02: min =1035 (135 - 165 mm for operator)
B, mm	Opening width	B
A, mm	Vertical track height	H + 110
Ab, mm	Shaft axis height and drum height	A + 86
A1, mm	Bounding dimension of the door working space in front of vertical tracks	A - 470
A2, mm	Bounding dimension of the door working space in front of horizontal tracks	A - 120
A3, mm	Bounding dimension of the door working space (with operator or without operator for shaft)	A + 70
E, mm	Horizontal track length	H + 300
B1, mm	Position data of via point for track fastening to the ceiling	E/2
Db, mm	Torsion mechanism operation space	According to the opening size and the door leaf weight
S, mm	Minimum side space	120
Q, mm	Zone of the operator on shaft position	240
P, mm	Zone of ceiling operator position	H + 1185



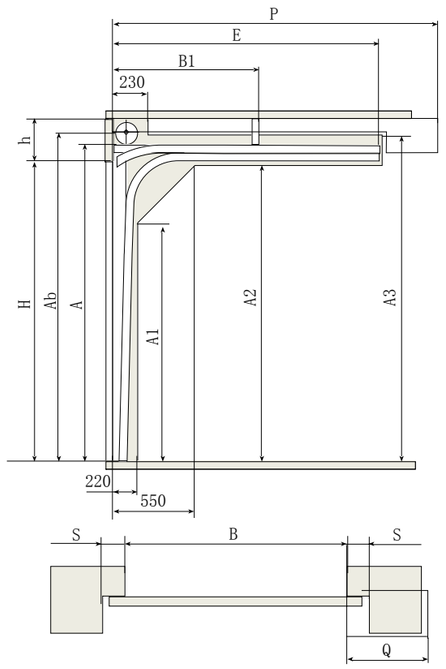
STANDARD INCLINED LIFT (RSD02, ISD01, ISD02)

Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	500... 1500 (depends on α°)
B, mm	Opening width	B
A, mm	Vertical track height	H + (250… 990)
Ab, mm	Shaft axis height and drum height	A + 86
A1, mm	Bounding dimension of the door working space in front of vertical tracks	H - 270
A2, mm	Bounding dimension of the door working space in front of horizontal tracks	H - 110
E, mm	Bounding dimension of the working area in the garage (depth)	H + (250 + 1000)
B1, mm	Position data of via point for track fastening to the ceiling	E/2
Db, mm	Torsion mechanism operation space	According to the opening size and the door leaf weight
S, mm	Minimum side space	120
α°	Track incline angle relative to the horizont	≤ 360
P, mm	Zone of ceiling operator position	240



LOW HEADROOM WITH DRUMS FRONT (RSD02, YETT 02, ISD01, ISD02)

Parameter	Description	Design formula
H, mm	Opening height	H
h, mm	Headroom height	h ≥ 230 Yett 02: min = 135 (135 - 165 mm for operator)
B, mm	Opening width	B
A, mm	Vertical track height	H + 110
Ab, mm	Shaft axis height and drum height	A + 86
A1, mm	Bounding dimension of the door working space in front of vertical tracks	A - 470
A2, mm	Bounding dimension of the door working space in front of horizontal tracks	A - 120
A3, mm	Bounding dimension of the door working space (with operator or without operator for shaft)	A + 70
E, mm	Horizontal track length	H + 300
B1, mm	Position data of via point for track fastening to the ceiling	E/2
Db, mm	Torsion mechanism operation space	According to the opening size and the door leaf weight
S, mm	Minimum side space	120
Q, mm	Zone of the operator on shaft position	240
P, mm	Zone of ceiling operator position	H + 1185



BRDECO
WE BUILD TOGETHER

BRD NEW MATERIALS(MALAYSIA)SDN.BHD

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