



Sectional Doors

HIGH PERFORMANCE INDUSTRIAL GRADE DOORS



SPECIALIST DOOR SOLUTIONS

0800 807 753

ultigroup.co.nz

MODERN POLYURETHANE FILLED PANEL SYSTEM

Fireproof + High Insulation



Our insulated sectional doors are the perfect solution to a range of industrial applications including warehousing, food production, and hygiene-sensitive areas. They are durable and can be customized to suit a range of architectural styles. Unique features ensure long-term worry free operation, using only the most durable electronics and automation systems.

The door and track design boosts its reliability and resistance to wear and tear. A complete perimeter sealing system provides superior thermal insulation to Ulti Group's Insulated Sectional Doors, ensuring interior temperature conditions are maintained for any industrial facility. Additionally, our insulated sectional doors are built to address issues with hygiene and pests.



DIMENSIONS

Height of opening:	from 2 m to 8 m.
Width of opening:	from 2 m to 7 m, when selecting design with vertical-type lift - to 8 m.
Lintel height:	minimum 150 mm.
Room depth:	door leaf height + 500 mm.
Distance from edge of opening to wall	minimum 140 mm.

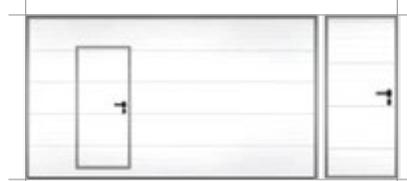
TECHNICAL SPECIFICATIONS

Heat conductivity:	0.38 W/mC
Acoustic insulation:	24 dB
Wind load:	5 class (200 km/h)
Watertightness:	1 class (water pressure 30 Pa)
Lifting force:	up to 40 kg
Flammability group:	Γ2 as per GOST 30244-94
Ignitability group:	B2 as per GOST 30402-96
Door lift weight:	17 kg/m ²

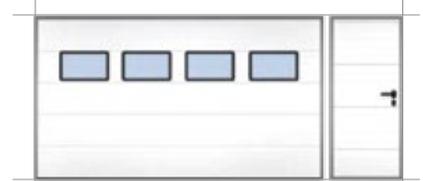
DOOR CONFIGURATIONS



Sectional doors + entrance door

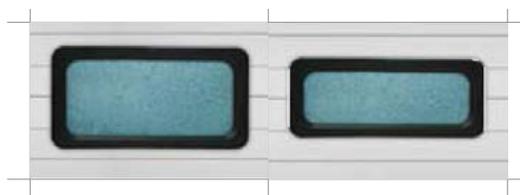


Sectional doors with embedded pedestrian door + entrance door



Sectional doors with embedded windows + entrance door

WINDOW CONFIGURATIONS



- Edging Colour: Black
- Dimensions: 635mm x 330mm
607mm x 202mm



- Edging Colours: Black and Silver
- Diameter (Ø): 360 mm.

Windows can be cut into our sectional doors, which are placed tight against the door leaf due to the special design; this protects it from frost penetration and heat losses along the window perimeter.

BUILT TO LAST.

Wether it's fire, frost, or criminal elements.



ENERGOFLEX - a 40mm rod made of modern non-moisture absorbing insulant and wear-resistant material.

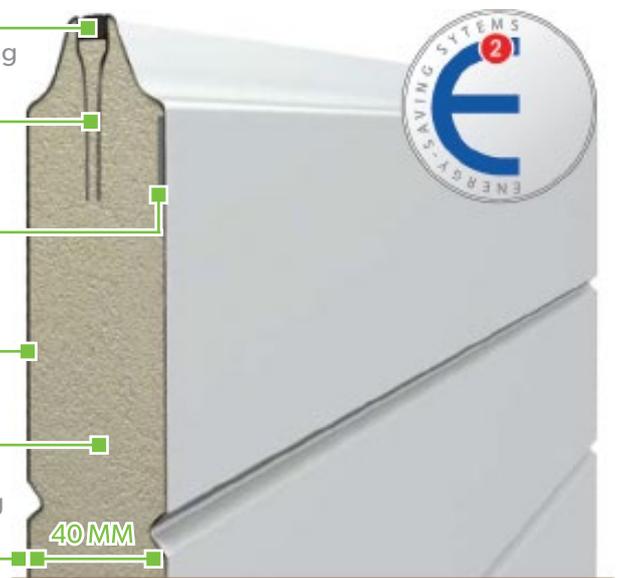
COMPLETE THERMAL BREAK - front and rear steel plates and panels are not rolled directly on top of each other. This type of connectivity increases thermal insulation while reducing freezing.

REINFORCED HINGES - steel plates provide increased strength to the door's joints, making it incredibly tough and hard to break into.

0.45 MM STEEL PLATE - tough polymer coating ensures a durable, long-lasting, low-maintenance surface.

FOAMED POLYURETHANE - a modern high-quality insulant, it increases the panel's wear resistance and decreases heat loss, saving you precious energy.

40 MM PANEL THICKNESS - complies with all international standards, rated with the highest heat conductivity class (Class A).



PANEL OPTIONS

Standard Ribs



Micrograin



Micrograin" with Central Groove



Micrograin" Central Groove (only)

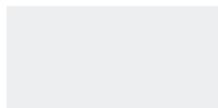


Smooth Surface*



SURFACE TYPES & COLORS

Smooth



Stucco



Optional door colors use the international RAL card. Please use the original RAL card to avoid distortion during printout.

Custom Colors* (standard color is white)



RAL8014-brown



RAL5005-blue



RAL6005-green



RAL3005-claret



RAL9006-silver



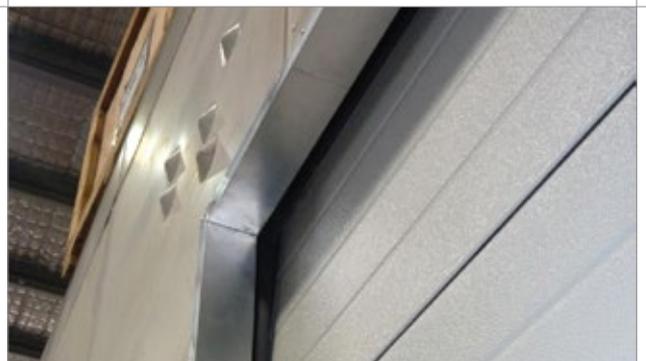
RAL1000-beige



RAL7004-grey

*these options will entail a surcharge.

Our insulated sectional door panels are filled with foamed polyurethane, a cutting-edge, durable, moisture-resistant insulant. 40 mm thick panels provide protection from virtually all climate conditions. Steel plates act as reinforcements under each hinge, improving joint strength and resistance to break-ins and theft. A range of optional surface types and colors are available, ensuring that it doesn't just perform well but looks great as well.



INDUSTRIAL GRADE QUALITY WITH NOTHING TO HIDE

These panoramic sectional doors are beautiful - maximizing visual impact from both inside and outside. Along with its aesthetically-pleasing appearance, it is corrosion-proof, durable, and allows natural light to come in - saving on power and energy. Double-glazed windows conserve heat and prevent ice from accumulating on the door's joints.

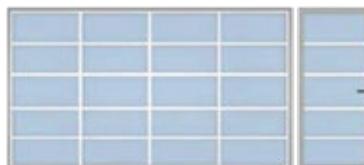
The industrial version takes it further by using T-Bridge system, where alluminium profiles are fitted with a high-strength polyamide thermal insert. This prevents the door from freezing, further reducing your energy costs. A pedestrian doorway may also be built into the door, keeping the door closed and the heat inside - further saving on energy.



FULLY-GLAZED PANORAMIC DOORS WITH LINTELS



Our standard door configuration, the door leaf is made of glazed panoramic panels trimmed with alluminium profiles.



Fully-glazed doors + entrance door



Fully-glazed doors embedded with pedestrian door + entrance door

Dimensions of Sectional Door:

Width: 2m – 6m
Height: 2m – 8m
Lintel Height: min .15m

Distance of Opening's Edge to Wall:
min 140mm
Room Depth: Leaf Height + .5m

Dimensions of Entrance Door:

Width: .6m – 1.5m Height: 1.1m – 2.5m

Dimensions of Panels*:

Width: max 1.1m† Height: .37 – .65m

† Doors with a vertical lift and leaf width of 4.5 – 6m can only have a panel width of max .9m.

FULL-WIDTH FULLY-GLAZED PANORAMIC DOORS



Glazed horizontal panoramic panels run the full length of the door. Trimmed with alluminium profiles.



Up to 3m: Fully-glazed door + entrance door

3 – 6m: Fully-glazed door with lintel + entrance door

Dimensions of Sectional Door:

Width: 2 – 6m

Height: 2 – 8m

Lintel Height: min .15m

Distance of Opening's Edge to Wall: min .14m

Room Depth: Leaf Height + .5m

Dimensions of Entrance Door:

Width: .6 – 1.5m

Height: 1.1 – 2.5m

Dimensions of Panels*:

Width: max 3.19m

Height: .37 – .65m

COMBINED FULLY-GLAZED PANORAMIC DOORS



Fully-glazed panoramic panels make up the top portion of this configuration, with alluminium trimmed profiles.



Partially glazed doors with pedestrian door + entrance door

Partially glazed doors with pedestrian door + entrance door

Dimensions of Sectional Door:

Width: 2 – 6m

Height: 2 – 8m

Lintel Height: min .15m

Distance of Opening's Edge to Wall: min .14m

Room Depth: Leaf Height + .5m

Dimensions of Entrance Door:

Width: .6 – 1.5m

Height: 1.1 – 2.5m

Dimensions of Panels*:

Width: max 3.19m†

Height: .37 – .65m

† Doors with a vertical lift and leaf width of 4.5 – 6m can only have a panel width of max .9m.

* Optional composite panels may be used on any window instead of insulated glazed panels.

Are they really built to take the impact?

Space age materials combined with cutting edge design.

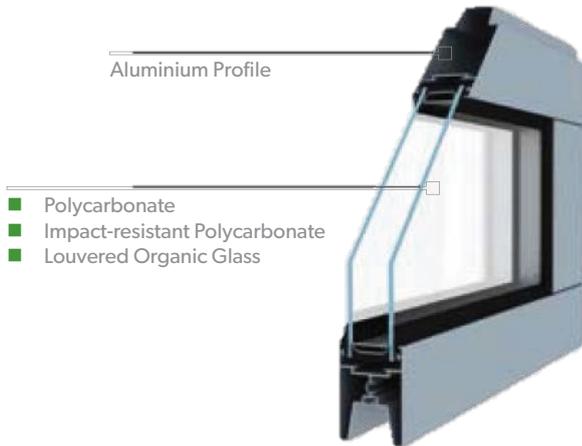


The glazed panels used in our doors are constructed of mechanically stable materials:

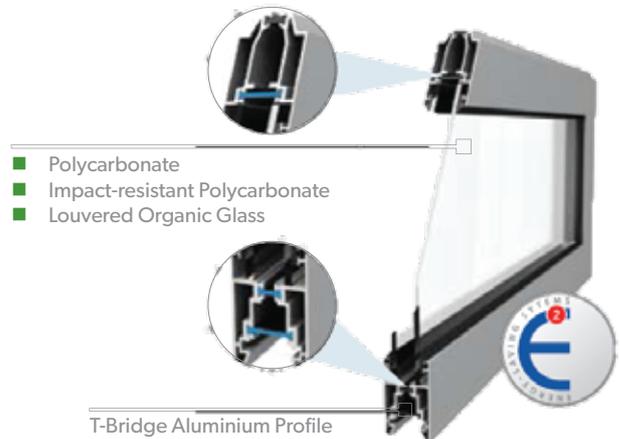
- Polycarbonate
- Impact-resistant Polycarbonate
- Louvered Organic Glass

These materials are highly resistant to impact and coated with a moisture-resistant resin. The aluminium profile is designed to ensure strength and reliability. You can also combine standard insulated sandwich and panoramic panels for even greater insulation.

STANDARD PANORAMIC PANEL



PANORAMIC PANEL WITH T-BRIDGE ALUMINIUM PROFILE SYSTEM



TECHNICAL SPECIFICATIONS

Wind load	5 class (200km/h)
Watertightness	1 class (water pressure 30 Pa)
Lifting force	Up to 40kg
Door leaf weight	17 kg/m ²

TECHNICAL SPECIFICATIONS

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Optional door colors use the international RAL card. Please use the original RAL card to avoid distortion during printout.



RAL9003-white RAL8014-brown RAL5005-blue RAL6005-green RAL3005-claret RAL9006-silver RAL1000-beige RAL7004-grey

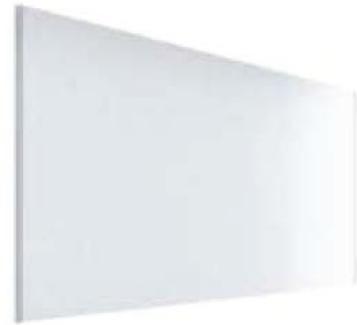
OPTIONS THAT MAKES SENSE

IMPACT-RESISTANT POLYCARBONATE

This panel type is easier to assemble, lighter, much more transparent, and incredibly tough - comfortably resisting extremes such as hail and fire, compared to standard polycarbonate. Rated as being 200 times stronger than glass, it retains its shape in all types of conditions. It can withstand a temperature range of -400C to +1200C and has a light transmission rating of up to 91% , all the while retaining these features despite exposure to the weather and direct sunlight for extended periods of time.

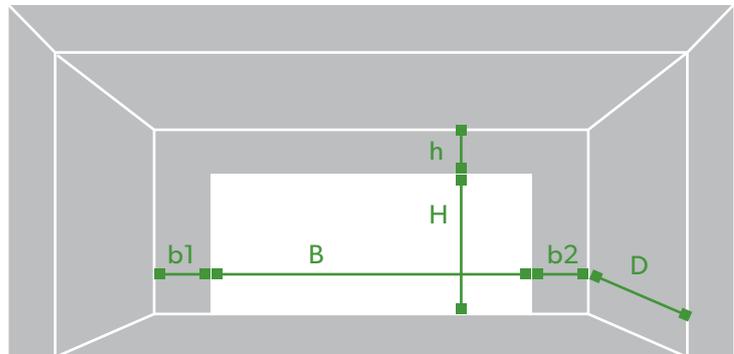
LOUVERED ORGANIC GLASS

Window panels constructed of Louvered Organic Glass can be glazed in several different colors, creating visually impactful facades and entryways.



TECHNICAL SPECIFICATIONS

Thickness of Panel	22 mm
Panel Height (dependent on the height of the opening)	min .37m - max .65m
Maximum Doorway Width (without lintel)	3.19m
Maximum Doorway Width (with lintel)	6m
Maximum Section Height of Panels	8m



DIMENSIONS

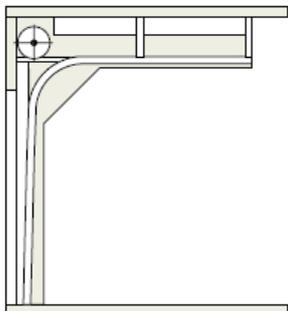
H - height of entryway (distance from floor to entryway's top edge) 2 - 8 m

B - width of entryway (distance from left to right edge) - 2 - 7 m, during vertical lift - up to 8 m

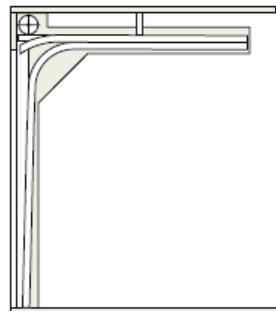
h - lintel (distance from entryway's top edge to ceiling) minimum 150 mm (various track types are used depending on the value)

b1 and b2 - distances from entryway's edge to lateral interior wall - minimum 130 mm

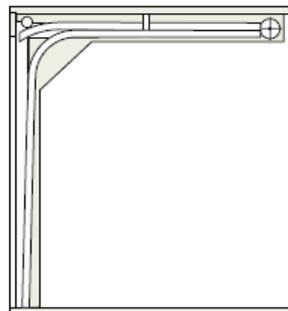
D - garage depth (distances from opening to distant interior garage wall) more than $H + 500$ mm.



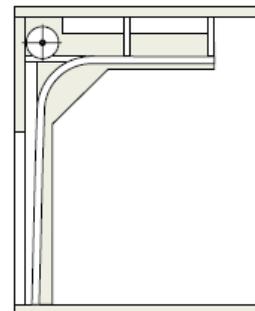
STANDARD LIFT



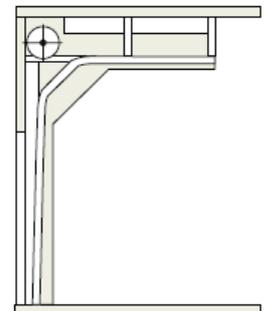
LOW LIFT, FRONT DRUM



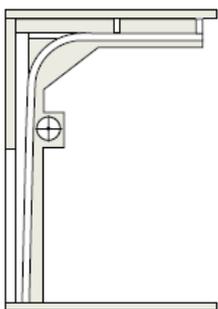
LOW LIFT, BACK DRUM



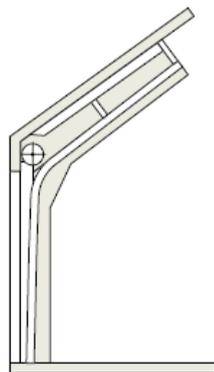
HIGH LIFT



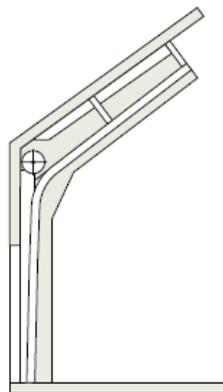
HIGH LIFT WITH
DOUBLE BEND



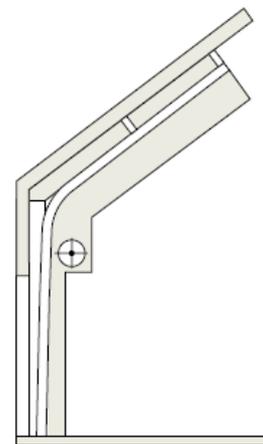
HIGH LIFT, LOW
DRUM



STANDARD
INCLINED LIFT



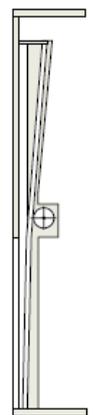
HIGH INCLINED



HIGH INCLINED LIFT,
LOW DRUM

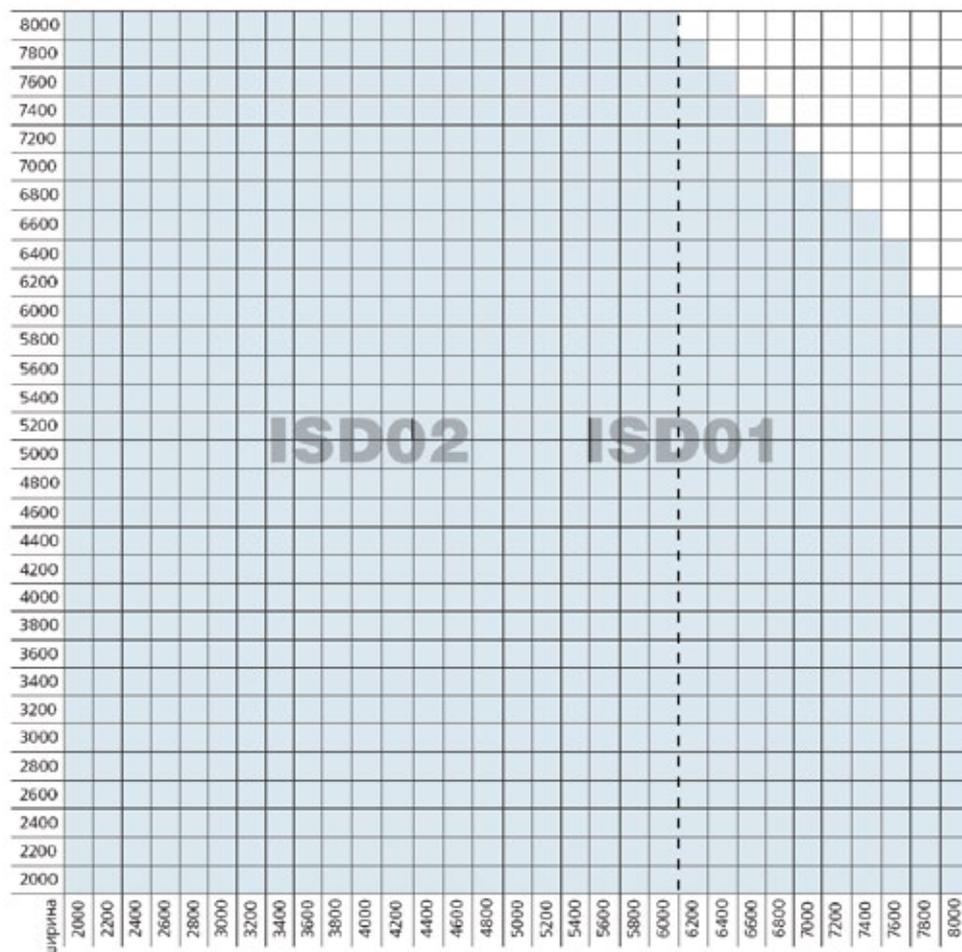


VERTICAL



VERTICAL LIFT
LOW DRUM

THE SMALL DETAILS COUNT



STANDARD CONFIGURATION

- Torsion springs rated for up to 25,000 door cycles
- Spring break protection device
- Rubber stoppers or dampers (according to the selected design)
- Handle
- Latch
- Technical documentation package

OPTIONS

- Torsion springs rated for 50,000, 75,000, and 100,000 door cycles
- Impact-resistant Polycarbonate or Louvered Organic Glass panels
- Personnel door with linear door closer
- Cable break protection device
- Lock
- Automatic devices
- Manual chain operator
- Bottom/top aluminium profile with T-Bridge system
- External sealing boundary

TORSION MECHANISM WITH QUICK FIX SYSTEM



The innovative **Quick Fix** system accelerates the installation period by 4x faster than comparable analog doors offered on the market.

The Quick Fix system includes:

- U-shaped Brackets
- Special Shaft Lift Mechanism
- New Safety Devices
- Octagonal Shaft (shaft deflection and intermediate fixing points to doorway are excluded)
- Spring Assembly with **Quick Fix** Ends
- Fixed Shaft Operator Bracket



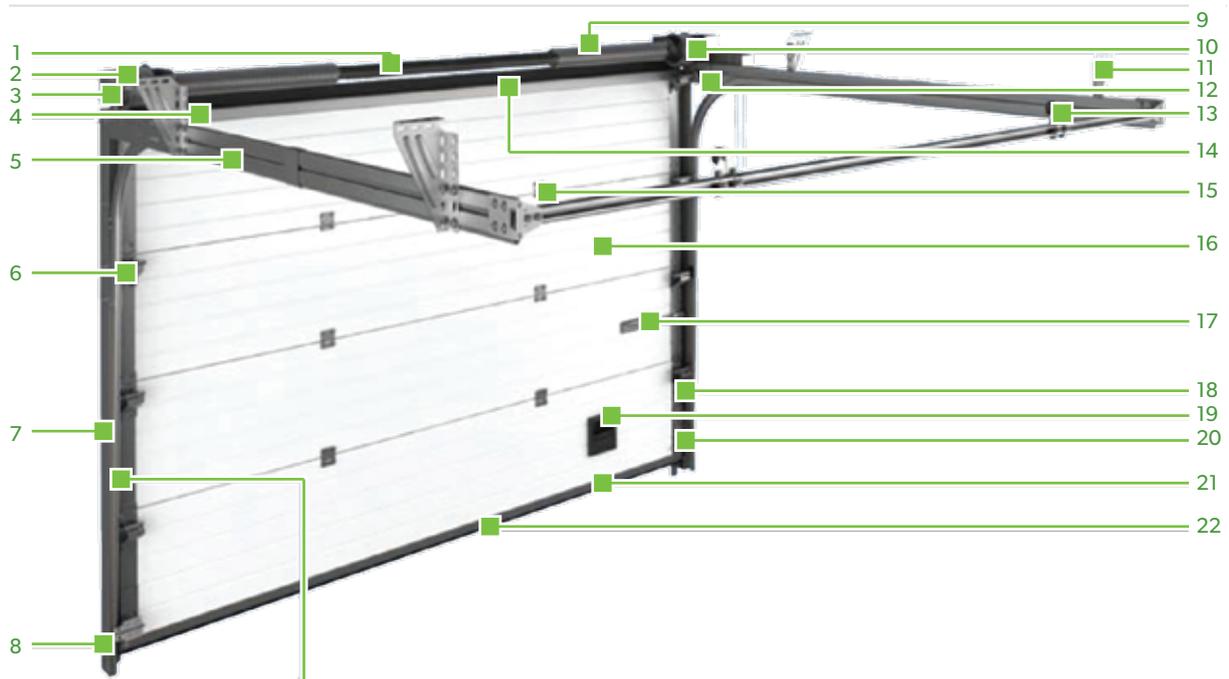
■ A cable break protection mechanism encased in its own protective housing, is mounted as a bottom bracket on the door leaf. In case of cable failure the device stops the door from moving, fixing itself on the track.

■ These unique plastic strips prevent accidents like trapped fingers in gaps between the door's rollers and the track. Just one of the many examples of Ulti Group's innovation.



- A cable break protection device. When the cable breaks or if someone tries to lift the doors without authorization, the device engages the strip mounted on the door's vertical angle. This blocks the door leaf, causing the door to fall back and prevents any unauthorized vertical movement of the door.

SPEED, RELIABILITY, AND SAFETY



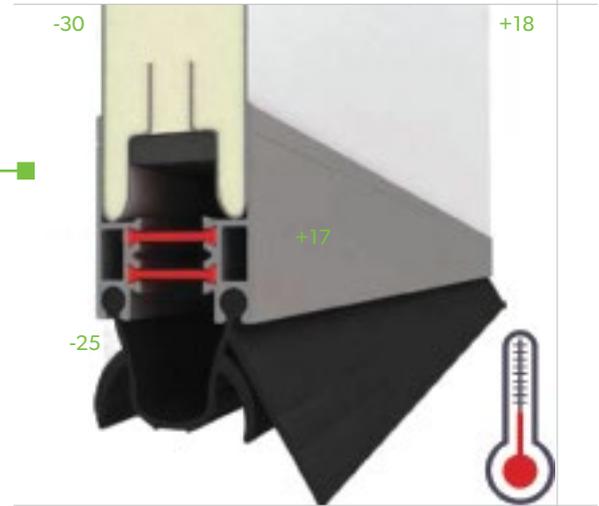
A new oversized vertical angle makes it possible to install the doors in a convenient assembly position that's relative to the opening. This preserves the door's airtight properties.

PART LIST FOR SECTIONAL DOORS

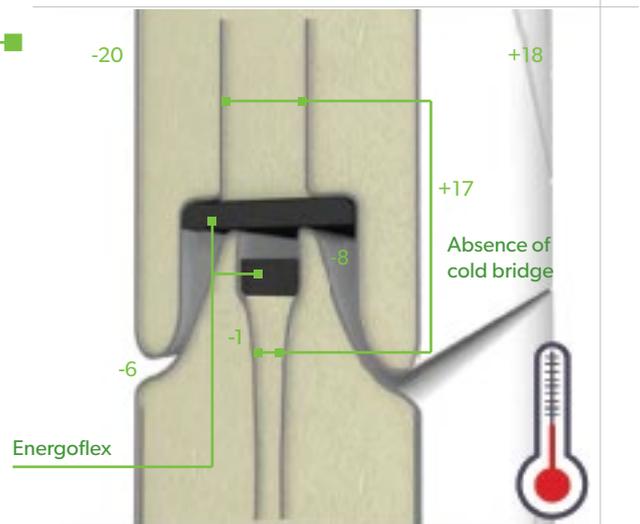
- | | |
|---|---|
| 1. Shaft (octagonal) | 12. Electric shaft operator |
| 2. Drums | 13. Special stops |
| 3. U-type end support bracket | 14. Top seal |
| 4. Top profile | 15. Hinges |
| 5. Tracks for door leaf | 16. Door leaf made of sandwich panels |
| 6. Adjustable bracket with rollers | 17. Lock |
| 7. Vertical angles | 18. Side cup |
| 8. Bottom cup | 19. Handle |
| 9. Torsion mechanism with Quick Fix system | 20. Bottom bracket with cable break protection device |
| 10. Spring break protection device | 21. Bottom profile |
| 11. System for attaching horizontal tracks to ceiling | 22. Bottom seal |

The inclusion of a thermal break profile on doors using T-bridge technology avoids unwanted heat loss.

THERMAL BREAK - BOTTOM PROFILE



THERMAL BREAK - BETWEEN PANELS



The front and back steel plates in Ulti Group's panels are not canted with each other; thus there is no "cold bridge" effect. This gap provides thermal resistance to the doors, which prevents freezing of the panels in butting positions.

Nonhygroscopic energoflex is used in panel joints, providing reliable door seals.

ADD COMFORT, CONVENIENCE AND SAFETY



SHAFT OPERATORS

Ulti Group's shaft operators are great for all types of industrial doors. The shaft and gears are suspended in an "oil bath" solution, considerably increasing the life and durability of the door. The shaft operator has an electric motor a mechanical gear attached to a built-in control unit. This control unit is connected to a three-position control desk. In the event of power loss, a manual emergency release may be used to open or close the doors using a chain.

TRAFFIC LIGHTS

It's housing is made of high-quality plastic, making handling traffic a breeze.





3-POINT CONTROL UNIT

Besides the standard up and down button, This option adds a stop button for greater control.

2-POINT CONTROL UNIT WITH KEY

The 2-point control has a key slot which prevents unauthorized door access.



REMOTE CONTROL UNITS

Allows wireless control of up to four doors or devices.



OPTOELECTRONIC SENSORS

This option has two infrared safety sensors – a receiver and a transmitter embedded in a molded rubber strip. When the strip is deformed, the optical line is broken and a signal is sent to stop or reverse the door.

KEY UNIT SWM

A tougher version of the 2-point key control, This control unit is encased in a metallic vandalproof housing with a rear waterproof wall, preventing moisture from getting through. It is also easy to install and connect.



RADIO CODED KEYPAD

This wireless keypad is equipped with a built-in or external receiver. The door commands are executed only after the input of a specific access code. The keypad is easy to install and configure.



PHOTOELECTRIC DETECTORS

These are for emergency situations. If anything blocks the door's opening and the infrared ray is blocked, a trigger will be sent to the door's controls to automatically stop or reverse the door's direction.

KEYSWITCH

This is used to send a signal to the control unit via an operator. It can control the door depending on the angle of the inserted key - either opening, closing, or stopping the door.

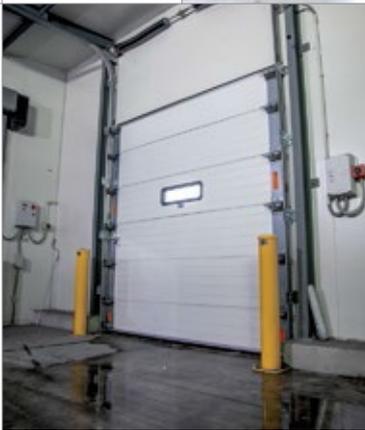


EXTERNAL RECEIVERS

These external radio receivers are designed to control devices made by other manufacturers through the remote control units.



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ACCESSWAY
SOLUTIONS



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