Specifications

When designing an opening - Ensure the opening is plumb and true. There should be sufficient room at the front and rear of the opening for projection, as well as adequate pulley and nib room.

Standard design - Doors are constructed from rectangular hollow steel sections and suitably braced for minimum deflection in the open and closed position. The standard design is based on 0.5kPa wind load. This may be altered to suit particular situations. Thus the desired wind load must be stated, when specifying this product.

Size
Maximum width: 30 metres
Maximum height: 8 metres

Cladding (Steel) - Doors can be clad with various sheeting materials. Standard Colorbond profiles are commonly used however specialised profiles can be used. Please consult the manufacturer on the use of non standard sections.

Cladding (Glass) - Doors can be partially or fully glazed for viewing or showroom display and are glazed in accordance with AS1288. Standard glazing uses 6.38mm laminated safety glass. The use of other glass or glazing material should be referred to the manufacturer due to additional weight, deflection, door design and construction. Glazed doors will generally incorporate a kickplate in the base of the bottom leaf. Door size and weight will determine kickplate height.

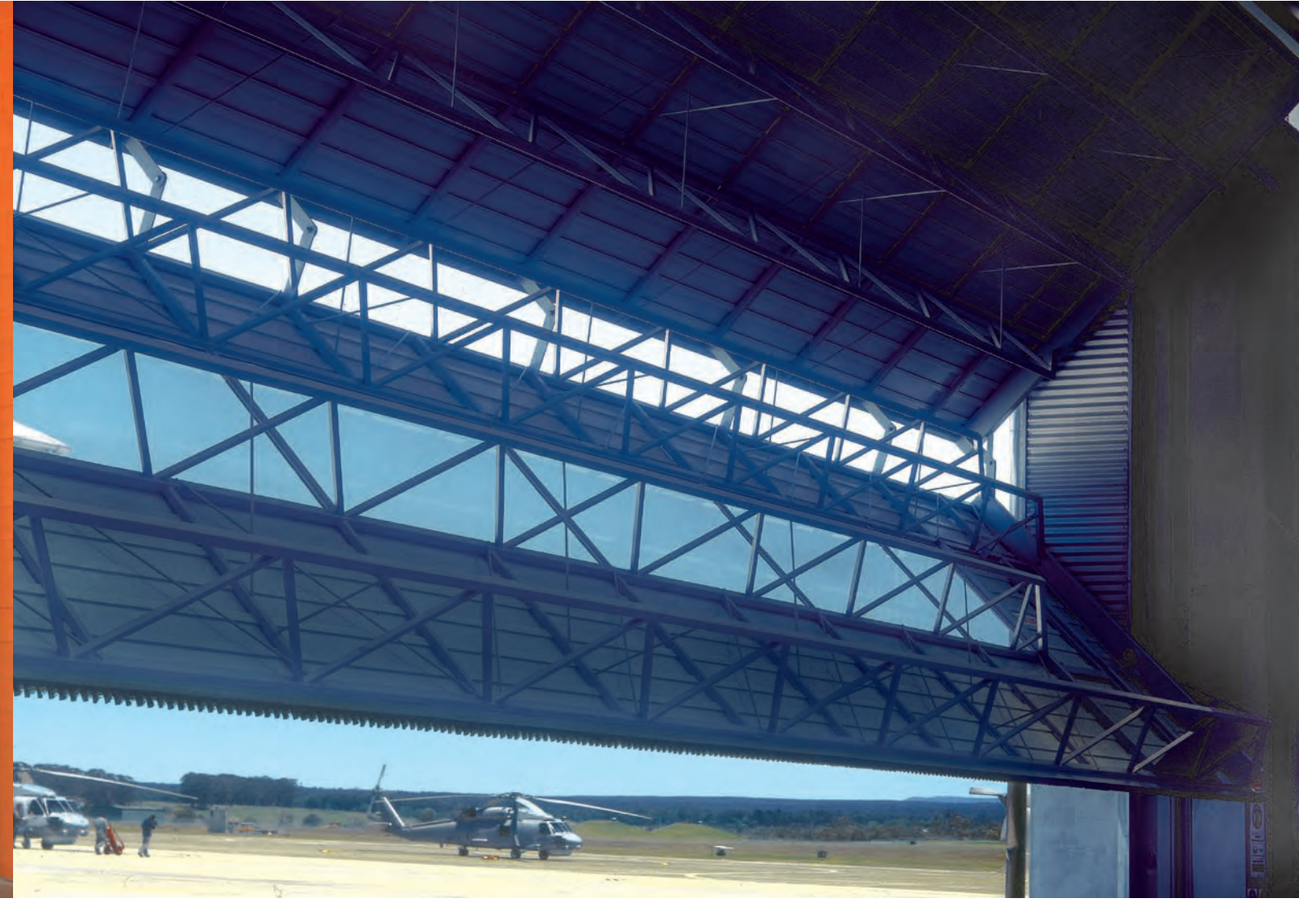
Bar Grille - This door is constructed of standard RHS frame covered with 20mm square hollow steel tube welded vertically over the entire door face at approximately 120mm centres.

Other Cladding - Other available cladding commonly used are plywood, mesh, perforated sheet, woven wire and galvanised sheet.

Finishes - Standard finish on frames and channels is epoxy primed and polyurethane. On glazed doors beading can be anodised or powdercoat finish. Other finishes are available if required, please specify.

Locking - By use of internal padbolts unless otherwise specified. Motorised doors will not be fitted with locks.

Counterweight Covers - The counterweights shall be protected and covered with a removable pressed sheet to meet design requirements.



Optional Extras

Escape and Access Doors - Can be incorporated into door design providing bottom leaf height is sufficient. Locking is by a night latch unless otherwise specified. It is recommended that access doors open inward on a Series 3000 door.

Motorisation - Operation by a ramp and carriage designed for smooth opening and closing. The carriage is driven by an overhead shaft connected to a three or single phase drive unit incorporating open and close limit switches. Doors may be electronically operated and fitted with sophisticated control systems as required. Advise whether doors are to be designed for future electric operation.

Contact Details

NSW Office
58 Box Road, Taren Point NSW 2229
Phone: 02 9524 6679 Fax: 02 9525 1114

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VIC Office
39 Nicholas Drive, Dandenong VIC 3175
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Visit our website: www.renlita.com.au

Renlita Overhead Doors

RENLITA SERIES 3000 FOLDAWAY DOORS

Counterweight Balanced Door

The Renlita Foldaway Series 3000 Counterweight Balanced Door spans up to 30 metres to make an outstanding statement.

With the capacity to accept a wide variety of sizes, claddings and glazing patterns, they have the potential to radically showcase your building.

This door is designed to suit most commercial and industrial applications. It is widely used in mines, fire stations, ambulance stations, warehouses, transport depots, factories, garages and showrooms.

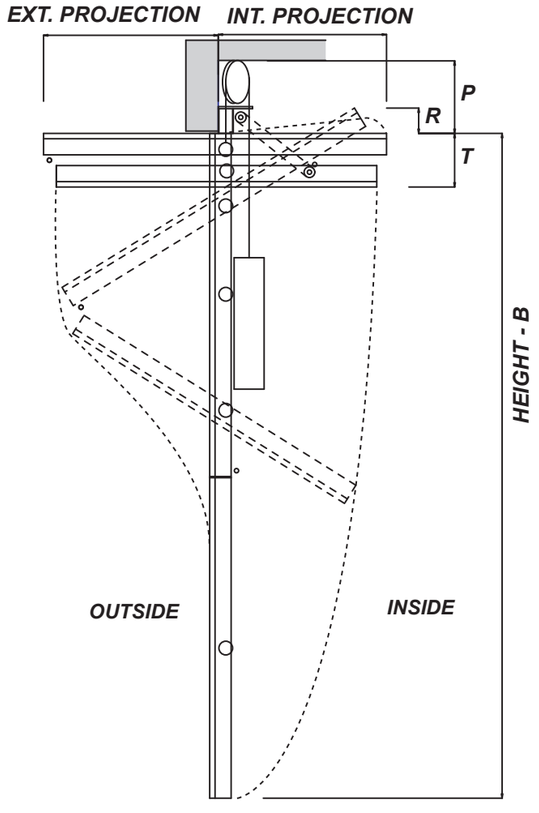
The Series 3000 door is a two leafed overhead folding door, hinged horizontally and rises vertically to stack in a folded position under the lintel.

Renlita Overhead Doors is a trading name of Monarch Group Pty Ltd

Monarch

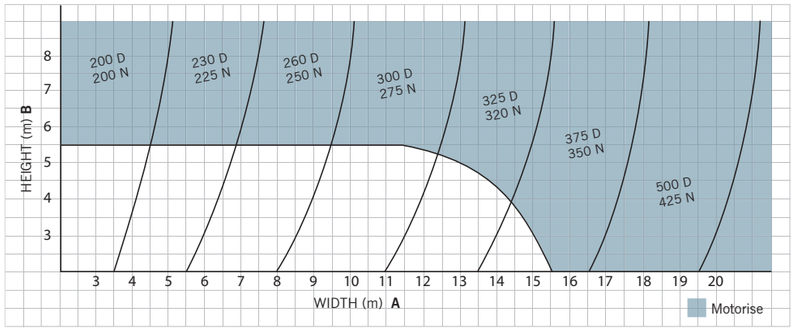
Features

- From industrial to residential, Renlita Series 3000 doors have got you covered. Each door is designed and manufactured individually using precise mathematical calculations to achieve exact counterweight balance for safety and appearance.
- We customise each project so we work in harmony with your design brief.
- The Renlita Foldaway Series 3000 counterweight balanced door is designed for industrial/commercial and domestic applications where minimum internal projection is required.
- Little headroom is necessary for this type of door.
- The doors accept a wide range of cladding and/or glazing materials and come in many colours to suit your design brief.
- When opening, the door folds along a central hinge and moves upward, coming to rest in horizontal configuration immediately below the lintel.
- Dimensions of the doors vary according to the application and each door is individually designed.
- Mathematical calculations are completed to ensure the door is correctly counter weight balanced.
- Wind loading can be a critical design factor especially in cyclone prone areas unless otherwise specified the doors are designed to resist a minimum wind loading of 0.5kPa.
- This door suits high security applications.



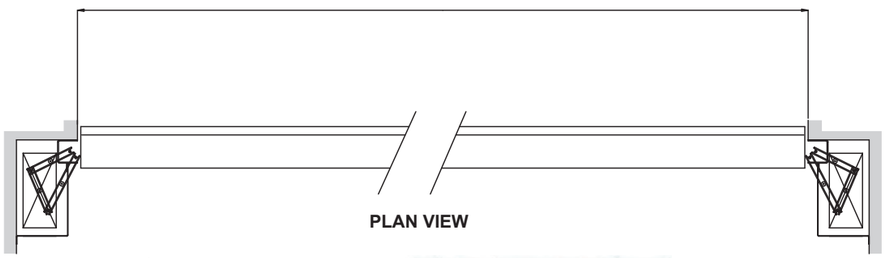
GLASS

D = Depth N = Width

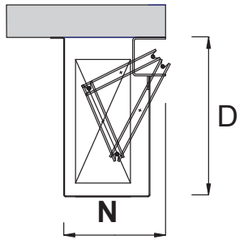


GLASS																		
A	Width (m)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
T	Thickness (mm)	230	250	270	310	320	350	400	420	420	465	465	484	515	515	565	565	600
T	Dimensions allow for 25 deep glazing beads																	
P	Pulley HR (mm)	200	250	250	260	260	300	300	300	380	380	380	380	380	400	400	400	400
P	Minimum headroom 450 required for motorisation																	

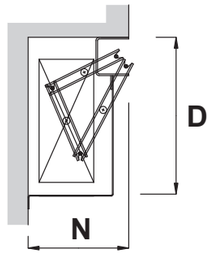
Typical Fixing Details



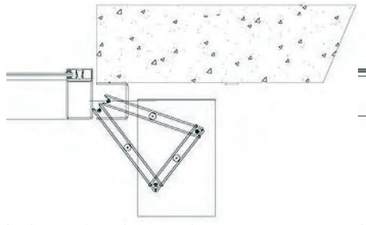
Jamb Details
NIB Room Dimensions



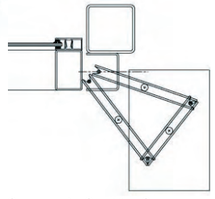
STRAIGHT WALL FIX



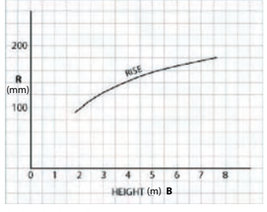
RETURN WALL FIX



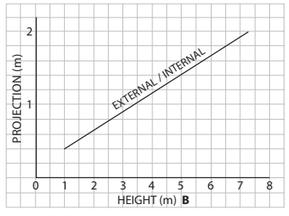
CONCRETE / BRICK FIXING



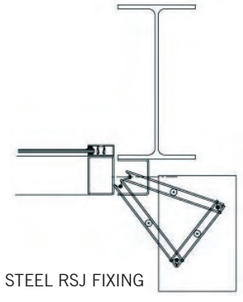
STEEL RHS FIXING



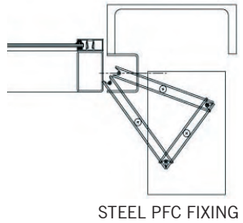
DOOR RISE



PROJECTION



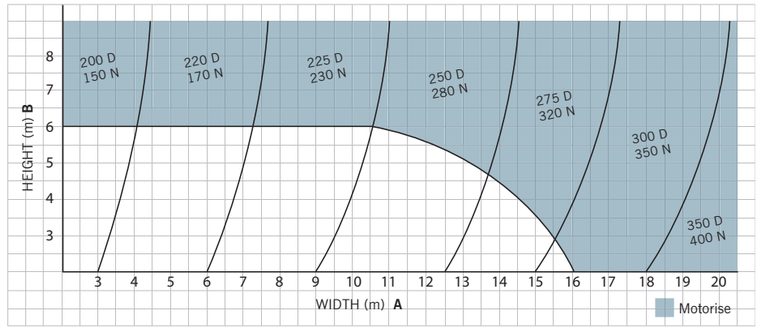
STEEL RSJ FIXING



STEEL PFC FIXING

STEEL

D = Depth N = Width



STEEL																		
A	Width (m)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
T	Thickness (mm)	210	240	260	260	310	320	350	400	420	420	465	465	465	515	515	565	565
T	Dimensions allow for 25 Cladding Depth																	
P	Pulley HR (mm)	200	200	250	250	260	260	300	300	300	380	380	380	380	380	400	400	400
P	Minimum headroom 450 required for motorisation																	

Specifications

Counterweight Balanced Door
The frame is constructed from hollow steel sections and designed, in accordance with AS1170, AS1250, to withstand a wind loading of 0.5 kPa in the closed position and provide minimum deflection in the open position.

Applications - Suitable for schools, swimming pools, carpark entries, commercial and light industrial applications.

Operation - The Floataway Door is a single leaf door balanced with counterweights under constant suspension. Door movement is controlled by guide bearings running in vertical 60 x 70 x 60 x 3m guide channels and flat mild steel link arms connecting the door to the side guides.

Size
Maximum height: 6 metres
Maximum width: 10 metres
Note - Operational constraints may limit the use of this door. Please consult the manufacturer prior to specifying large openings.

Cladding (Steel) - Doors can be clad with various sheeting materials. Standard Colorbond profiles are commonly used however specialised profiles can be used. Please consult the manufacturer on the use of non standard sections.

Cladding (Glass) - Doors can be partially or fully glazed for viewing or showroom display and are glazed in accordance with AS1288. Standard glazing uses 6.38mm laminated safety glass. The use of other glass or glazing material should be referred to the manufacturer due to additional weight, deflection, door design and construction. Glazed doors will generally incorporate a kickplate in the base of the bottom leaf. Door size and weight will determine kickplate height.

Bar Grille - This door is constructed of standard RHS frame covered with 20mm square hollow steel tube welded vertically over the entire door face at approximately 120mm centres.

Other Cladding - Other available cladding commonly used are plywood, mesh, perforated sheet, woven wire and galvanised sheet.

Finishes - Standard finish on frames and channels is epoxy primed and polyurethane. On glazed doors beading can be anodised or powdercoat finish. Other finishes are available if required, please specify.

Locking - By use of internal padbolts unless otherwise specified. Motorised doors will not be fitted with locks.

Counterweight Covers - The counterweights shall be protected and covered with a removable pressed sheet to meet design requirements.

Optional Extras

Escape and Access Doors - Can be incorporated into door design providing leaf height is sufficient. Locking is by a night latch unless otherwise specified. It is recommended that access doors open outwards on a Series 1000 door.

Motorisation - Operation by a ramp and carriage designed for smooth opening and closing. The carriage is driven by an overhead shaft connected to a three or single phase drive unit incorporating open and close limit switches.

Renlita Overhead Doors has a continuous program of product development and reserves the right to change specifications at any time without notice.

Contact Details

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Visit our website: www.renlita.com.au

Renlita Overhead Doors

Floataway Single Leaf Door

The Renlita Floataway Single Leaf Series 1000 counterweight balanced door makes an outstanding statement.

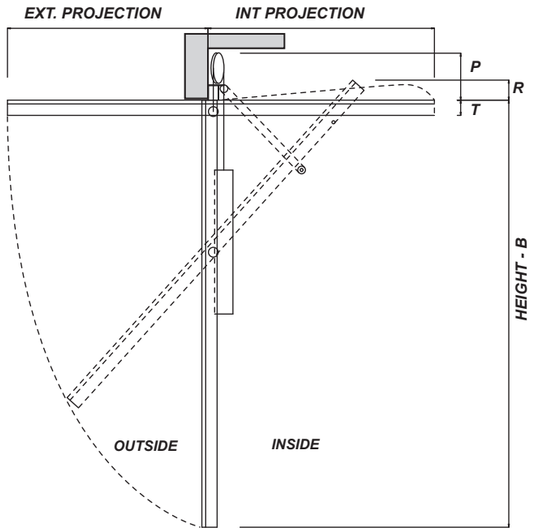
With the capacity to accept a wide variety of sizes, claddings and glazing patterns, they have the potential to radically showcase your building.

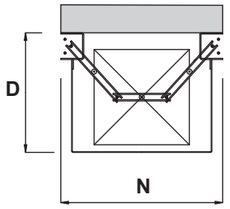
Its superior design and rigid quality control ensure a long service life.

RENLITA SERIES 1000 FLOATAWAY DOORS

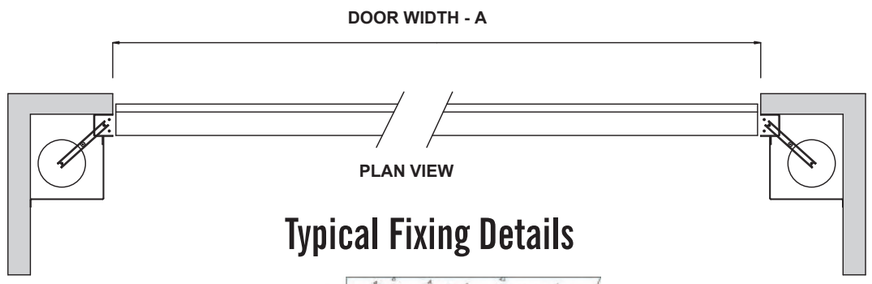
Features

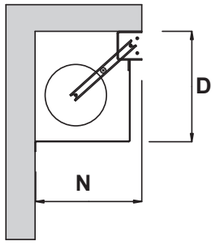
- From industrial to residential, Renlita Series 1000 doors have got you covered. Each door is designed and manufactured individually using precise mathematical calculations to achieve exact counter weight balance for safety and appearance.
- We customise each project by working in harmony with your design brief.
- The Renlita Series 1000 counterweight balanced door is designed for industrial/commercial and domestic applications.
- Little headroom is necessary for this type of door.
- The doors accept a wide range of cladding and/or glazing materials and come in many colours to suit your design brief.
- When opening, the door moves upward coming to rest in horizontal configuration immediately below the lintel.
- Dimensions of the doors vary according to the application and each door is individually designed. Mathematical calculations are completed to ensure the door is correctly counterweight balanced.
- Wind loading can be a critical design factor especially in cyclone prone areas unless otherwise specified the doors are designed to resist a minimum wind loading of 0.5 kPa.

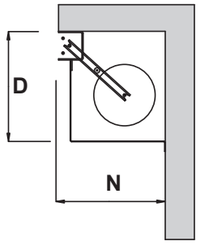




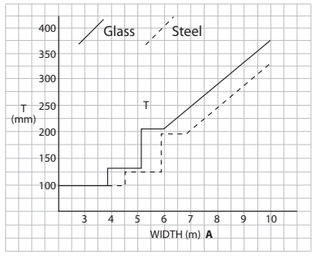
Common column between 2 identical doors



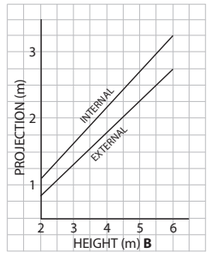




Counterweights each side single door

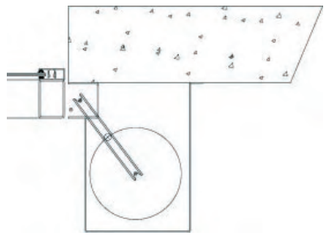


THICKNESS UNDER LINTEL

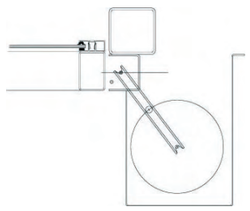


POSITION OF OPEN DOOR

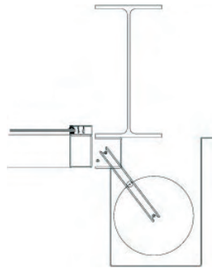
Typical Fixing Details



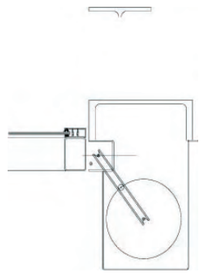
CONCRETE / BRICK FIXING



STEEL RHS FIXING

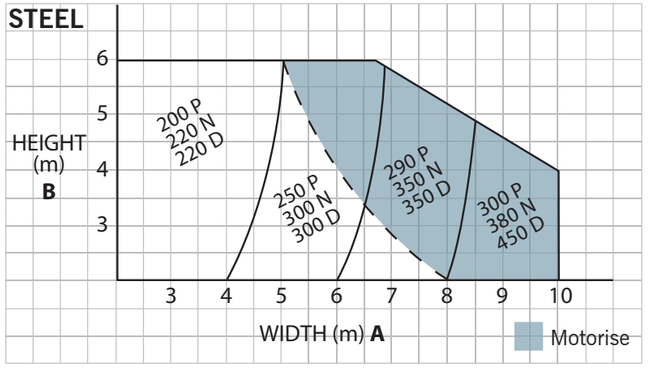


STEEL RSJ FIXING

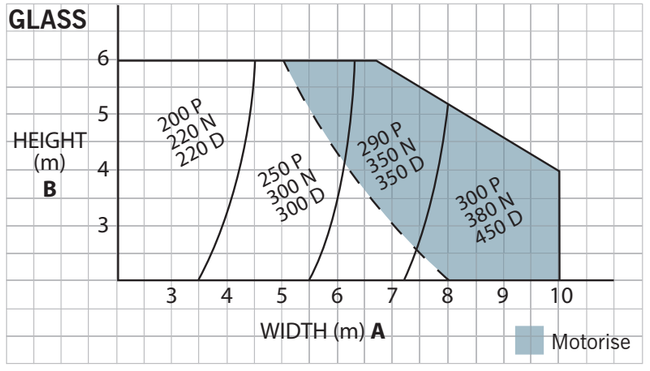


STEEL PFC FIXING

Counterweights each side of single door

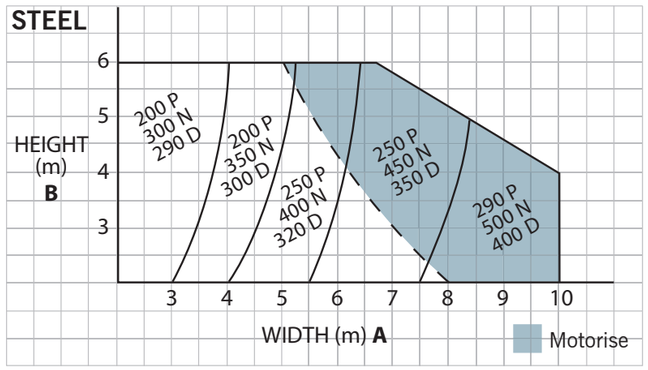


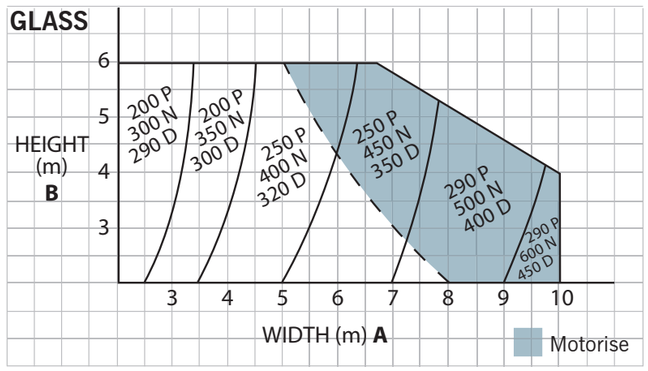
P = Pulley Headroom - min 430 for motorised
N = Room Width - add 25 for motorised
D = Room Depth



Please note: The dimensions given in these graphs are intended as a general guide to installation requirements. In some cases a degree of variation can be allowed to suit special requirements, but the Renlita manufacturer must be consulted to determine the exact figure.

Common column between two identical doors





Specifications

Luxury - Elegance - Durability
The frame is constructed from hollow steel sections and designed in accordance with AS1170-1981, AS1250-1981 to withstand wind loading of 0.5kPa in the closed position and provide minimum deflection in the open position.

Applications - Suitable where minimal internal projection is required. This door is not recommended for high wind applications.

Operation - Two leaf hinged horizontally, counterbalanced with counterweights under constant suspension. Door movement is controlled by guide roller operating in 60 x 70 x 60 x 3m guide channels.

Size
Maximum height: 6,000mm
Maximum width: 10,000mm

Cladding (Steel) - Doors can be clad with various sheeting materials. Standard Colorbond profiles are commonly used however specialised profiles can be used. Please consult the manufacturer on the use of non standard sections.

Cladding (Glass) - Doors can be partially or fully glazed for viewing or showroom display and are glazed in accordance with AS1288. Standard glazing uses 6.38mm laminated safety glass. The use of other glass or glazing material should be referred to the manufacturer due to additional weight, deflection, door design and construction. Glazed doors will generally incorporate a kickplate in the base of the bottom leaf. Door size and weight will determine kickplate height.

Bar Grille - This door is constructed of standard RHS frame covered with 20mm square hollow steel tube welded vertically over the entire door face at approximately 120mm centres.

Other Cladding - Other available cladding commonly used are plywood, mesh, perforated sheet, woven wire & galvanised sheet.

Finishes - Standard finish on frames and channels is epoxy primed and polyurethane. On glazed doors beading can be anodised or powdercoat finish. Other finishes are available if required, please specify.

Locking - By use of internal padbolts unless otherwise specified. Motorised doors will not be fitted with locks.

Counterweight Covers - The counterweights shall be protected and covered with a removable pressed sheet to meet design requirements.

Optional Extras

Escape and Access Doors - Can be incorporated into door design providing bottom leaf height is sufficient. Locking is by a night latch unless otherwise specified. It is recommended that access doors open outward on a Series 2000 door.

Motorisation - Operation by a ramp and carriage designed for smooth opening and closing. The carriage is driven by an overhead shaft connected to a three or single phase drive unit incorporating open and close limit switches.

Renlita Overhead Doors has a continuous program of product development and reserves the right to change specifications at any time without notice.

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Visit our website: www.renlita.com.au

Renlita Overhead Doors

Counterweight Balanced Door

Renlita Series 2000 Counterweight Balanced Door is a contemporary concept offering luxury, elegance and durability.

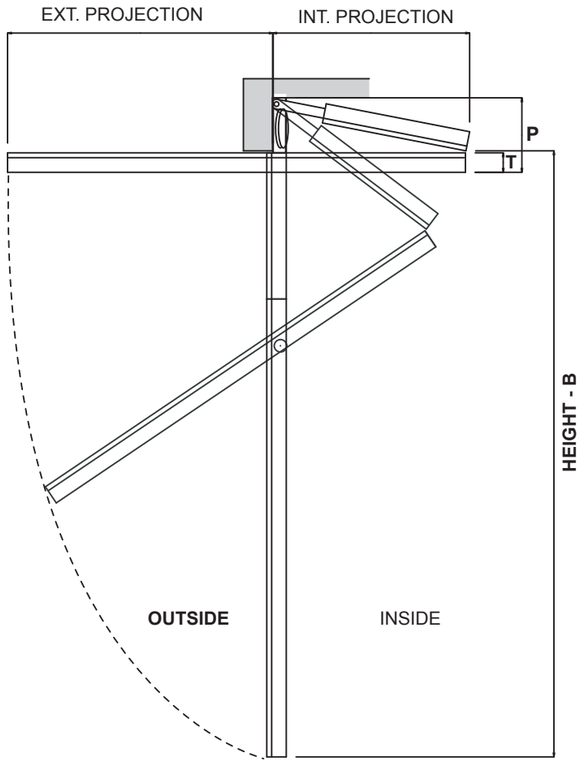
Designed for industrial / commercial and domestic applications where minimum internal projection is desired, this door requires little headroom.

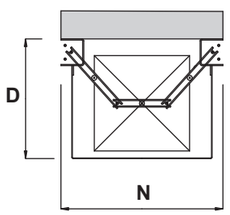
Allowing natural light in or bringing the outside in, the Renlita Series 2000 door design will compliment the architecture of your home or business.

RENLITA SERIES 2000
HINGEWAY DOORS

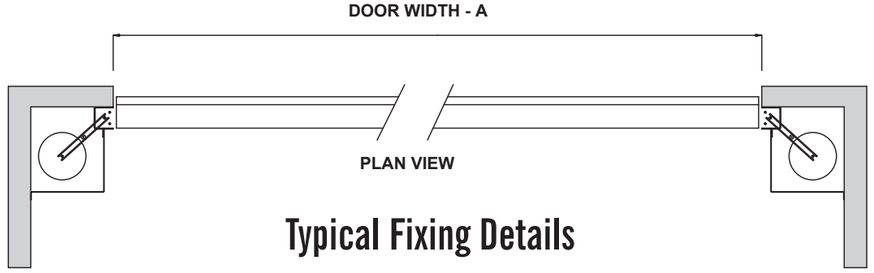
Features

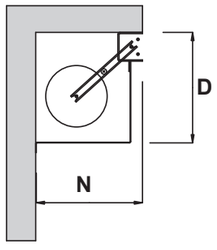
- The Renlita Foldaway Series 2000 counterweight balanced door is designed for industrial/commercial and domestic applications where minimum internal projection is required.
- Little headroom is necessary for this type of door. The doors accept a wide range of cladding and/or glazing materials and come in many colours to suit your design brief.
- When opening, the door folds along a horizontal hinge line and moves upward coming to rest immediately below the lintel.
- Dimensions of the doors vary according to the application and each door is individually designed.
- Mathematical calculations are completed to ensure the door is correctly counter weight balanced.
- Wind loading can be a critical design factor especially in cyclone prone areas unless otherwise specified the doors are designed to resist a minimum wind loading of 0.5 kPa.

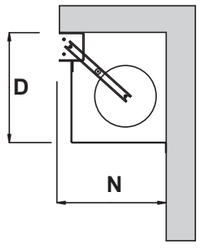




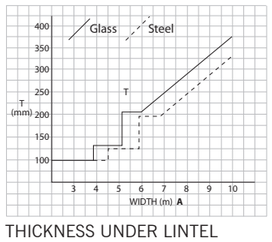
Common column between 2 identical doors



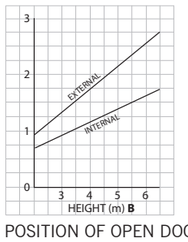




Counterweights each side single door

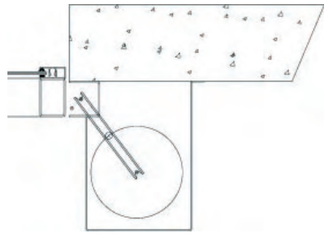


THICKNESS UNDER LINTEL

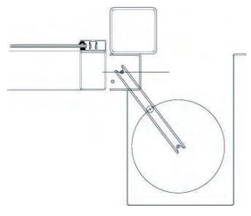


POSITION OF OPEN DOOR

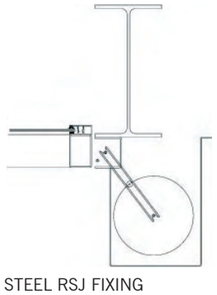
Typical Fixing Details



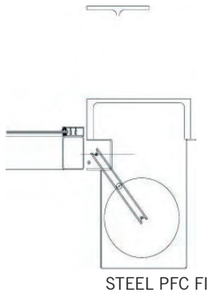
CONCRETE / BRICK FIXING



STEEL RHS FIXING

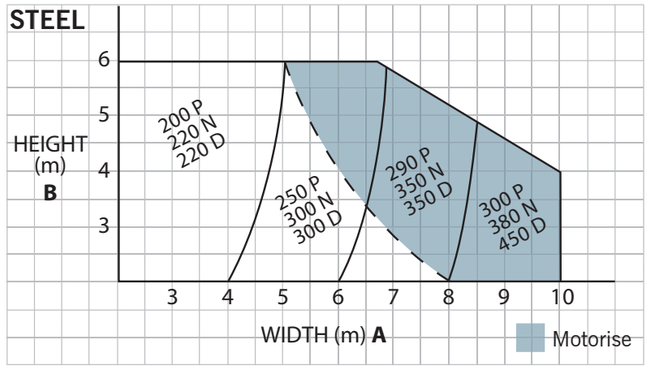


STEEL RSJ FIXING

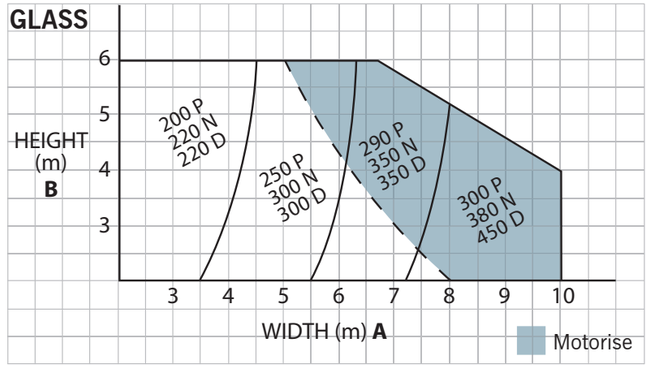


STEEL PFC FIXING

Counterweights each side of single door



P = Pulley Headroom - min 430 for motorised
N = Room Width - add 25 for motorised
D = Room Depth



Please note: The dimensions given in these graphs are intended as a general guide to installation requirements. In some cases a degree of variation can be allowed to suit special requirements, but the Renlita manufacturer must be consulted to determine the exact figure.

Common column between two identical doors