

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.

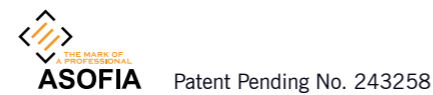


Optional Extras

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.



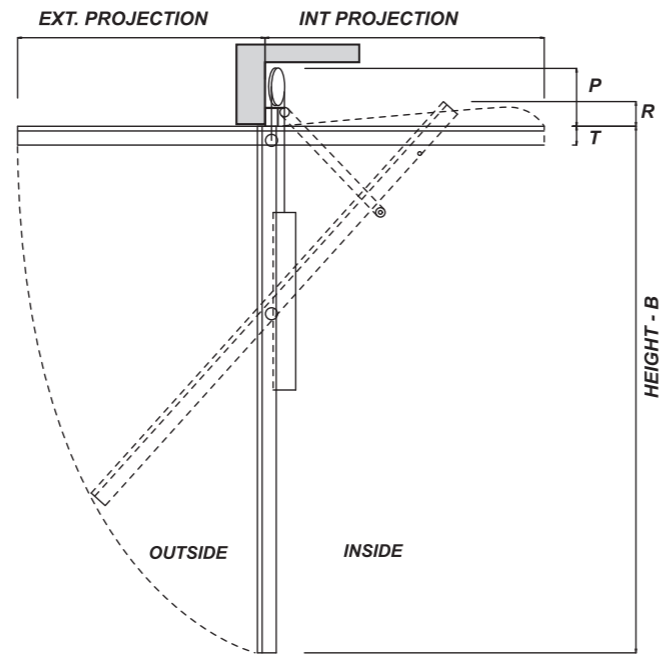
RENLITA SERIES 1000 FLOATAWAY DOORS

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

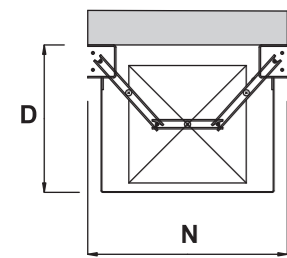


Features

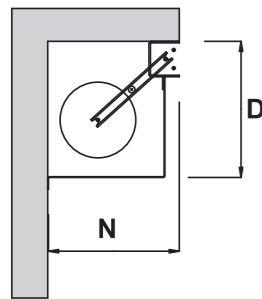
- ▶ From industrial to residential, Renlita Series 1000 doors have got you covered. Each door is designed and manufactured individually using precise mathematical calculations to achieve exact counterweight balance for safety and appearance.
- ▶ We customise each project by working in harmony with your 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.



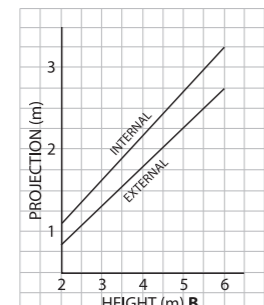
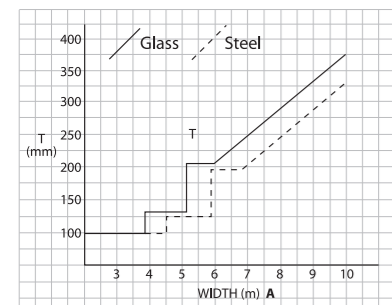
DOOR WIDTH - A



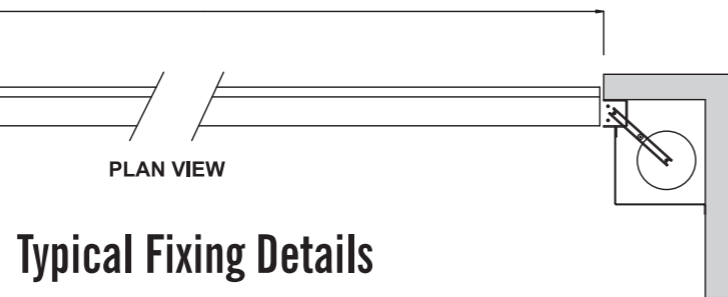
Common column between 2 identical doors



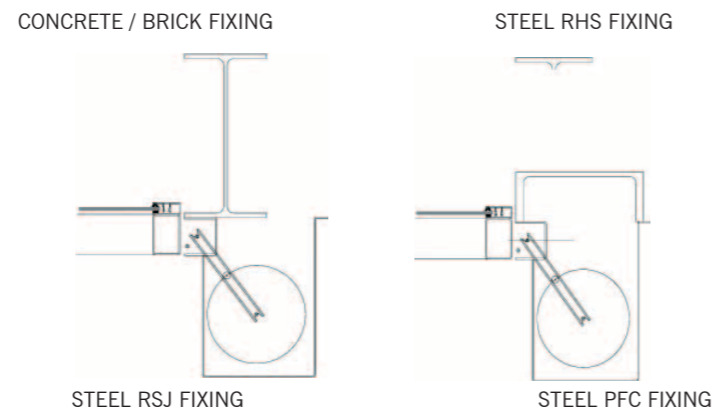
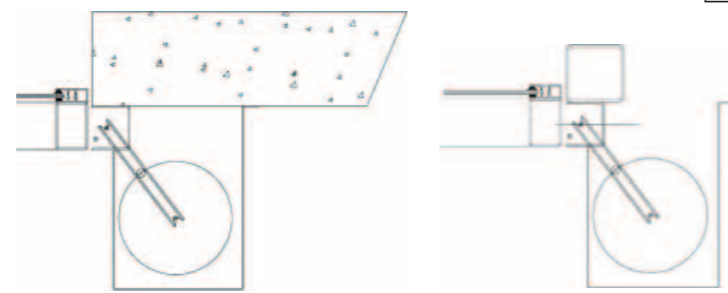
Counterweights each side single door



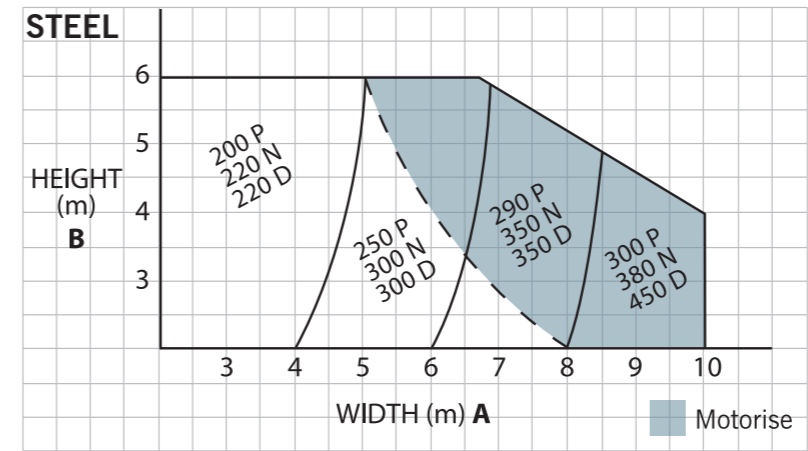
POSITION OF OPEN DOOR



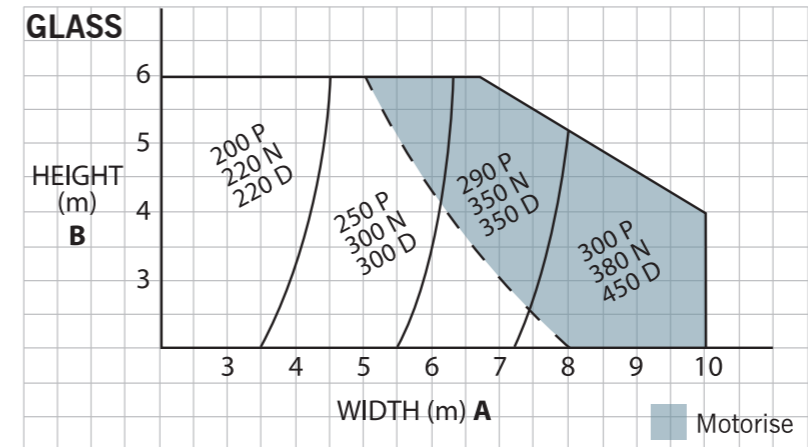
Typical Fixing Details



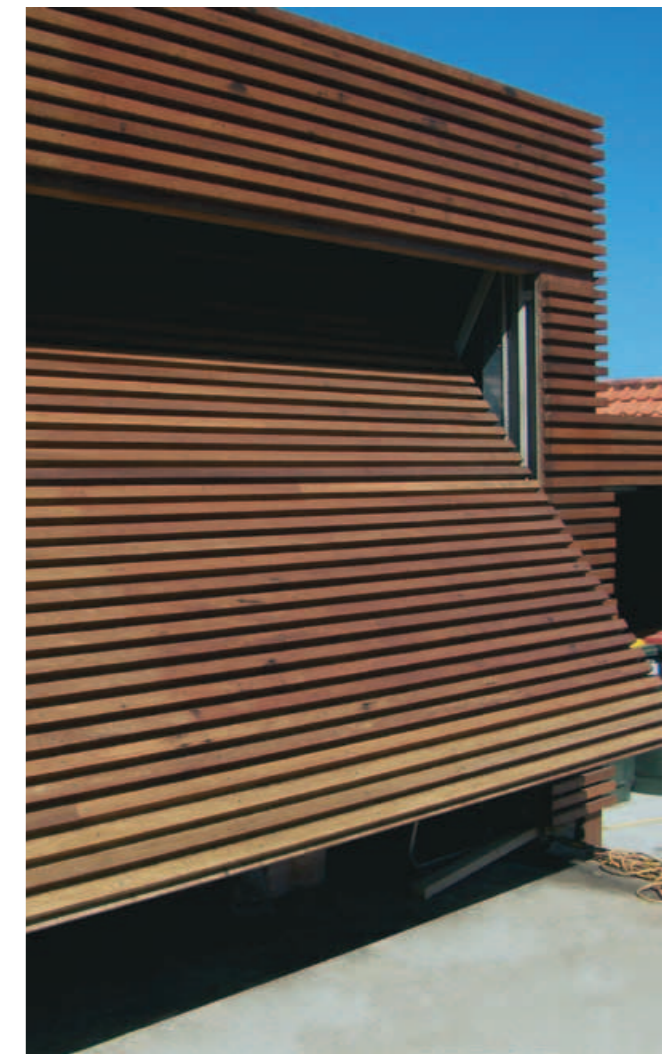
Counterweights each side of single door



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

