



SC4000 Four-Leaf Foldaway Counterweight Balanced Door

FEATURES

- MINIMAL INTERNAL PROJECTION
- HIGH TRAFFIC AREAS
- CUSTOM BUILT FOR ALL STRUCTURAL REQUIREMENTS AND ARCHITECTURAL DESIGNS
- CLADDING VERSATILITY
- MINIMAL MAINTENANCE REQUIREMENTS

The SC4000 Four-Leaf Foldaway Counterweight Balanced Door is custom made and designed for all applications where strength and superior appearance is required. It is more suitable for very high openings and internal obstructions may prevent the operation of the door. Apart from achieving the lowest maintenance with the highest operation cycles, the SC4000 only requires minimum internal projection around 1/8 of full opening height. It is able to be designed in a variety of cladding and glazing types.

The SC4000 is commonly used in the industrial, commercial markets offering lowest internal projection requirement. Typical application is workshop, or warehouse with high opening height (6-10mtrs).

The SC4000 is motorised. It is equipped with ramp up ramp down motor which provides quiet and smooth operation.

All Steel-Line's counterweight doors are designed to withstand site specific wind loading in accordance to AS 1170.2 – 2000 ranging from 0.5KPa to cyclonic condition. Without specification, the standard industry 0.5KPa is used to design the door.

Recommended Specification

The SC4000 Four-Leaf Foldaway Counterweight Door is custom built for each specific application. Please contact Steel-Line for any technical assistance in design and installation. Listed below are some of the main design considerations when specifying the SC4000:

- Operational Requirements.
- Opening Dimensions.
- Structural Requirements.
- Architectural Requirements.

Therefore it is important to accurately measure the opening dimensions and adequately specify any requirements.

Opening Requirements

The SC4000 Four-Leaf Foldaway Counterweight Balanced Door requires operational clearances as well as permanent space for its accommodation. These dimensions vary depending on the application. It is important to take these in to consideration especially the operational clearances as they impinge on other design criteria, for example the drive through clearances.

Locking

Locking for motorised doors is usually locked via the motor however additional locking is available, for example electric or magnetic locks.

Motorisation

Motorisation requires the addition of:

- Motorisation Guides.
- Variable Drive Unit with Manual Release.
- Independent Limit Switches.
- Overhead Shaft.
- Control System.

When a motorised door is ordered the above mentioned items are included as they are all integral components of the door.

Cladding / Glazing

Being a counterweight balanced door the SC4000 can be designed to accept a wide variety of cladding and glazing materials.

The following combinations of glazing and cladding are quite common:

- Sheetting products such as Trimdek and Custom Orb.
- Toughened Laminated Glass.
- Polycarbonate, Acrylic, Perspex and Laserlite etc.
- Aluminium Perforation Panel.
- Aluminium Composite Panels (ACP)

