

Ingersoll Rand Reduced Swing Doorset

The Ingersoll Rand Reduced Swing Doorset is a unique solution that has been designed to provide greater accessibility for people with impairments and to provide better utilisation of space.

A Helping Hand for People with Impairments

For people with impairments, everyday life is not easy. Getting from A to B can often be obstructed by disabling barriers. It is not just stairs, curbs or narrow accesses that prove major obstacles, just getting through a normal door is a demanding challenge for people whose ability to be freely mobile is limited, especially those in a wheelchair.

The Reduced Swing Doorset by Ingersoll Rand Security Technologies opens the door for people with impairments, by improving the accessibility of disabling environments.

A Space Saving Idea

Doors are usually considered to be the means of providing access to segregated areas, and it is surprising how much space they take up due to the area which must be kept clear to allow for their opening swing. In hospitals, nursing homes or even a busy office environment with many rooms, doors can account for considerable and costly waste of limited floor and wall space.

The Reduced Swing Doorset by Ingersoll Rand Security Technologies allows better utilisation of space, as much of the space wasted by conventional doors can be saved.

The Reduced Swing Doorset Concept

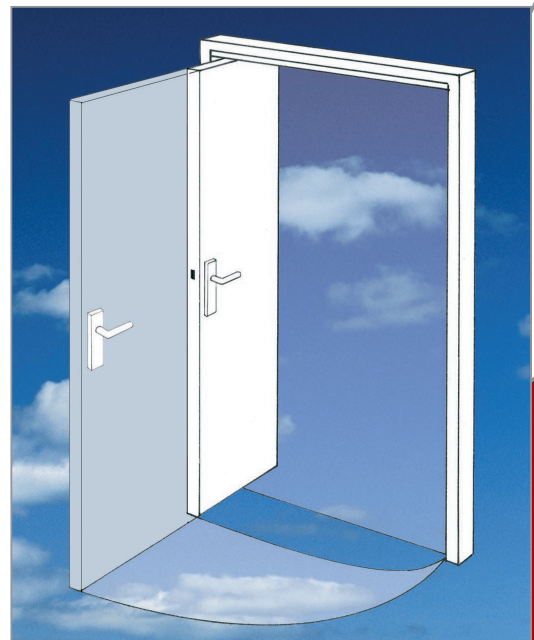
So what makes the Reduced Swing Doorset so different? Unlike a traditional door, the Reduced Swing Doorset is designed to be hinged at two points, and comprises of a two panel articulated door.

This unique design allows the door to fold in on itself in a concertina type action, and following an elliptical curve reduces the swing area to approximately one third of a conventional door of the same width.

By reducing the swing area, accessibility for people with impairments is greatly improved, as the need to manoeuvre out of the way of the opening door leaf is eliminated. The design also results in a smoothness of operation that provides a greater ease of use.

Reducing the swing area also results in more efficient use of floor and wall space. A conventional door that opens onto a corridor or into a room requires the space taken up by the door width. By reducing the swing area, greater utilisation of space is achieved as you only require space for one third of the door opening.

A conventional surface or cavity sliding door restricts the wall space to which fixtures can be mounted, however because the reduced swing door utilises a standard frame, the wall space either side of the doorset can be fully utilised.



MECHANICAL



The Reduced Swing Doorset

The Ingersoll Rand Reduced Swing Doorset is a complete unit comprising a door frame, a two panel door leaf, operating gear and door hardware. The first panel of the door leaf is hung on a top and bottom pivot, whilst the action of the door is guided by a top pivot in the second leaf and a roller within the track at the head of the door frame.

The door hardware meets the requirements of NZS 4121:2001, and comprises of a Legge 990 series mortice lock/latch with corresponding Legge Alpha lever furniture (500, 700 or 800 series).

The Ingersoll Rand Reduced Swing Doorset is available in two models; a single action model and a double action model.

Single Action

The simple single action doorset is ideal for confined areas and retro fitting into existing doorways used by people with physical impairments.

Double Action

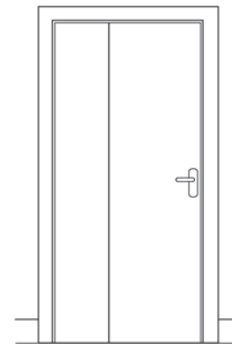
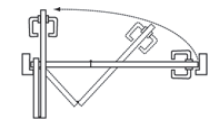
The double action doorset has been designed especially with wheelchair users in mind. It allows 'push or pull' action from either side of the door to offer the least resistance, providing optimum ease of use.

Specifications

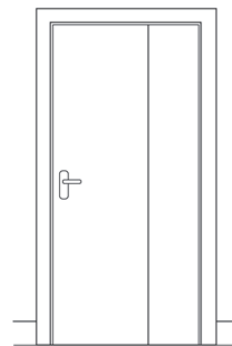
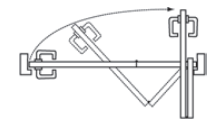
- Clear Opening: 900mm (excluding door furniture projection). 1200mm clear opening available on request
- Door Leaf: 1980mm x 680mm/340mm as standard, Solid or Carbon Core
- Door Jamb: Grooved or Architrave (finished to suit wall thickness)
- Environment: Available as a 'Dry Area' unit or 'Wet Area' unit
- Wall Cavity: Structural wall opening to be 10mm greater than trim size
- Handing: Single Action Doorsets are supplied handed, refer handing details this page
Double Action Doorsets; Non Handed
- Hardware: Legge 990 series mortice lock or latch with corresponding Legge Alpha lever furniture (500, 700 or 800 series).

(measurements stated are indicative only)

Doorset Handing



Left Hand



Right Hand

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