

Bariatric Applications



Bariatric Reduced Swing Door

With obesity increasing at a rapid rate around the world, hospitals are starting to provide specially designed bariatric units to accommodate the specific needs of this condition.

The Ingersoll Rand Reduced Swing Doorset is adaptable for these circumstances by providing an extra wide doorset with an additional hinged leaf. The door frame is modified with a secondary track intersect which allows lifting gear to pass through the clear opening.

All these features, while still enjoying the same space-saving technology.



Our Brand Promise

Ingersoll Rand will enable all customers to have “Peace of Mind” by providing innovative security solutions to protect themselves, their homes and commercial properties.

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Improve accessibility and save space

Great design improves the way we live, work and enjoy interior spaces.

Traditionally, a standard door swing area is difficult to manoeuvre for people with physical impairments.

Ingersoll Rand’s commitment to innovation delivers customers a quality, secure, Australasian made solution that reduces the swing area of a standard width door to approximately one-third.

Accessibility is improved and space is maximised with the Reduced Swing Doorset. Combined with renowned Legge door furniture, the Reduced Swing Doorset provides a practical and functional door solution for all commercial environments.

A total solution

Comprised of an innovative folding design system, the Reduced Swing Doorset allows the door to fold in on itself in a concertina action that significantly reduces the door swing arc.

Reduced door swing is enabled by:

- **Door frame:** Integrated track in head of the door frame to house roller guide and top pivot.
- **Two panel door leaf:** Two panels with unequal widths, the first panel is hung on a top and bottom pivot. The second panel houses a top roller guide which fits into the door frame track.
- **Operating gear:** Pivots and rollers provide optimum ease of use through smooth operation and low resistance.
- **Door furniture:** Legge levers represent a large range of contemporary, high quality solutions with special attention to 'return to door' design to assist those with impairments. Legge 990 series mortice lock or latch with corresponding Legge lever door furniture is compliant with NZS 4121:2001 and AS 1428.1-2001.



Helping those with impairments

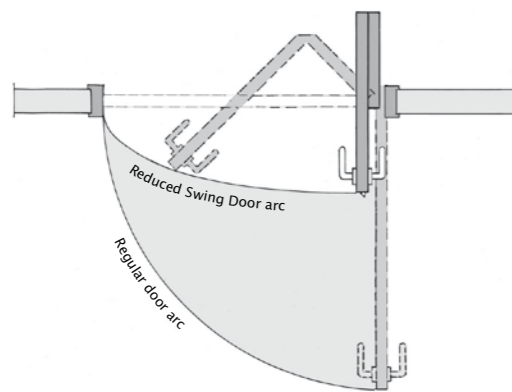
For those with physical impairments, obstacles are not limited to stairs, curbs or narrow accesses. Standard doorways can prove to be major barriers for people whose ability to move freely is limited. The Reduced Swing Doorset substantially improves the accessibility of areas which present problems for people with disabilities.

The door is responsive and light to the touch. The swing area is greatly reduced, eliminating the need for tiresome manoeuvring to get out of the way. When combined with contemporary Legge door furniture like the Ergo and Trilo levers, designed especially for those with impairments, the task of passing through a doorway is effortless.

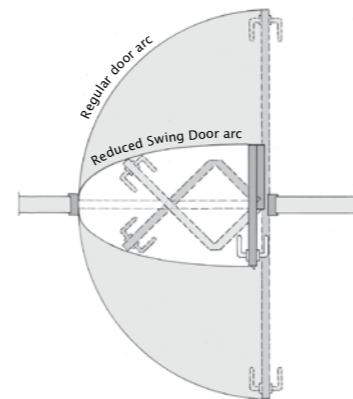
A space saving innovation

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. A conventional door that opens into a corridor or into a room requires the arc space of the entire door width. Sliding doors require significant wall space either side. The Reduced Swing Doorset uses one third of the space normally taken up by a conventional door, saving space and improving accessibility.

Choose from two models



Single action: The single action doorset is ideal for confined areas and retro fitting into existing doorways.




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 and optimum ease of use.

Features and benefits summary

Design Features	Result	Customer Benefits
Two panel articulated door hinged at two points	Door swing follows an elliptical curve that reduces door swing to one third that of conventional doors (of same width)	<ul style="list-style-type: none"> ▪ Accessibility for people with physical impairments is greatly improved ▪ Eliminates the need to manoeuvre away from the traditional door swing arc ▪ Frees up space otherwise required for door swing
Utilises a standard door frame	Wall space is not compromised. A conventional surface or cavity sliding door restricts the wall space to which fixtures can be mounted	<ul style="list-style-type: none"> ▪ The wall space either side of the doorset can be fully utilised
Utilises Legge door furniture	No need to compromise on quality or contemporary look and feel of door furniture to achieve optimal accessibility	<ul style="list-style-type: none"> ▪ Interior door furniture throughout a building can be co-ordinated for aesthetic consistency
Available in single or double action	There is a choice of doorset to suit any commercial environment	<ul style="list-style-type: none"> ▪ Single action is ideal for confined areas ▪ Double action has been especially designed for wheelchair access allowing a push or pull opening from either side of the door
Designed and manufactured in Australasia by Ingersoll Rand	Design is suited to Australasian commercial environments	<ul style="list-style-type: none"> ▪ Be assured of a quality Australasian made solution with design integrity

Certifications

- BRANZ appraised. Appraisal No.630 [2008] 
- Door hardware meets requirements of NZS 4121:2001 and AS 1428.1-2001

Specification	
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. Double action doorsets are non-handed unless using 800 series furniture
Hardware	Legge 990 series mortice lock or latch with corresponding Legge lever furniture (500, 700 or 800 series) as standard

