

SYSTEM M
FRIENDLY
ACCESS



hidden perfection

FritsJurgens®



FRITSJURGENS® DESIGNED FOR ACCESSIBILITY

Your goal is to create a welcome feeling by offering a high level of accessibility throughout your building.

You want to offer friendly and smooth access through all types of doors, including pivot doors, without restrictions on the design of your pivot door.

Friendly Access, part of the System M pivot hinge range (System M-FA), offers you all this. The pivot hinge is specifically engineered for accessibility and thus opens pivot doors to everyone. The opening goes as light as a feather, closing very smooth.

The Friendly Access System was specially designed by FritsJurgens® to meet the conditions of ICC A117.1-2017, in compliance with a push/pull opening force of ≤ 5.0 pounds (22.2 Newton), and a closing speed of ≥ 5 seconds from 90° open position to 12°.



NOTHING IN THE CEILING, NOTHING IN THE FLOOR

FritsJurgens® revolutionizes the pivot door by fully mortising the closer technology in the top and bottom of the door, thereby eliminating the need for complex floor installations.

The Friendly Access System is combined with the FritsJurgens high-performance top pivot and is completed by small ceiling and floor plates.



I CEILING PLATE

II TOP PIVOT

III SYSTEM M-FA

IV FLOORPLATE



FRITSJURGENS® FRIENDLY ACCESS

FULLY-MORTISED INTO THE TOP AND BOTTOM OF
THE PIVOT DOOR

No pivot or closer elements in floor and ceiling.

LOAD-BEARING CAPACITY: UP TO 660 LBS

The System M-FA can support pivot doors up to max 660 lbs (300kg), which all comply with ADA.

MINIMUM DOOR THICKNESS: 1-1/2" (40MM)

Fits in virtually any door.

FLOORPLATE ONLY 5/16" (8.0MM) IN THE FLOOR

The floorplate fasteners only need to be mortised 5/16" (8.0mm) in the floor. Therefore the FritsJurgens® pivot hinges are perfectly suitable for new and retrofit situations.

TESTED TO BEYOND 1-MILLION CYCLES

The System FA pivot hinge is designed to stand the test of time by using high-performance and corrosion-resistant materials.

EASILY-ADJUSTABLE

The innovative design of FritsJurgens® hinge systems means the gap between the door and jamb can be adjusted with the door fully-loaded.

SUITABLE FOR ALL TYPES OF DOORS

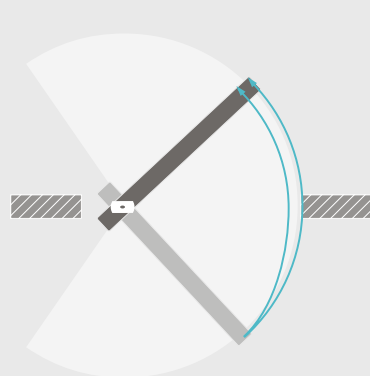
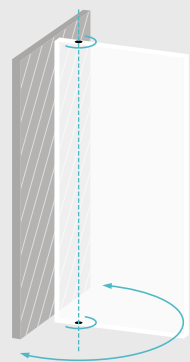
Ideal for large, heavy and tall timber, steel, framed glass and massive clad doors. Perfect for interior and exterior doors in both residential and commercial environments.

OPENING DOORS TO EVERYONE

The FritsJurgens® Friendly Access is part of the System M pivot hinge range. The System M of FritsJurgens® delivers total control over the movement of the pivot door.

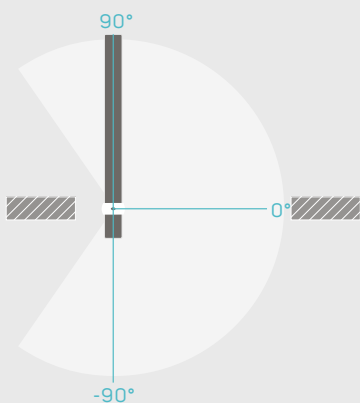
This level of control enabled FritsJurgens® to fine tune the closing speed and door-opening force to meet the conditions of ICC A117.1-2017 and in compliance with the Americans with Disabilities Act.

For technical information regarding the System M-FA please consult the technical information of the System M.



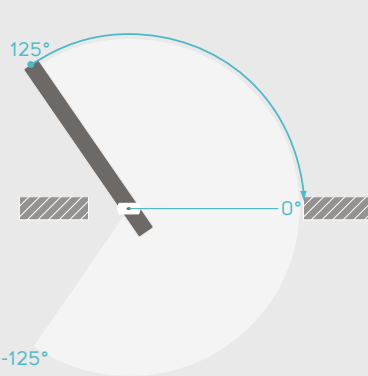
DOUBLE-ACTING

The door is able to swing in both directions because of the double acting pivot hinge.



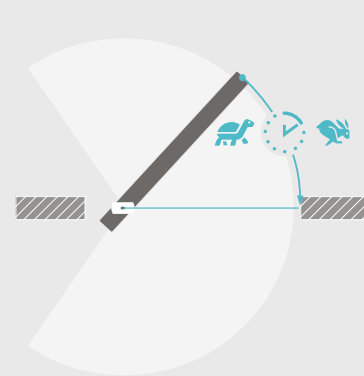
HOLD POSITIONS

The door can be placed in a hold position of 90° or -90°.



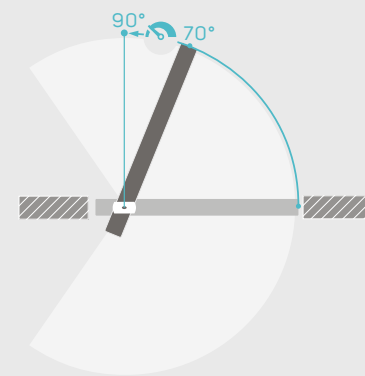
SELF-CLOSING

When opened from 125° and -125°, the closer returns the door to the 0° position.



ADJUSTABLE CLOSING SPEED

The closing speed of the door can be adjusted manually.

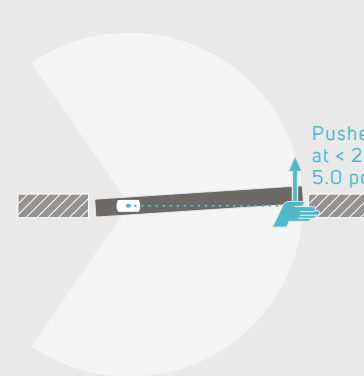


HYDRAULIC BACKCHECK

On opening the door, the speed decreases at 70° to prevent knocking against any obstacles at 90°.

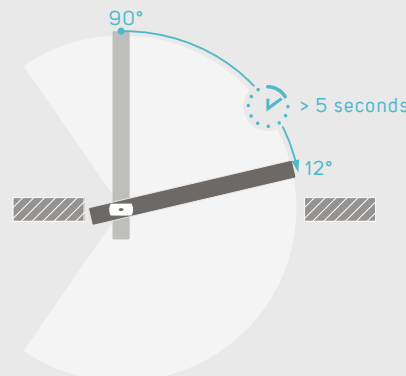


DOOR OPENING FORCE AND CLOSING SPEED



DOOR OPENING FORCE

The force for pushing or pulling the pivot door open is a maximum of 5.0 pounds (22.2 N), in compliance with ICC A117.1-2017 - chapter 404.2.8



CLOSING SPEED

A pivot door equipped with a Friendly Access pivot hinge meets the minimum required closing speed of 5 seconds from 90° to 12°, in compliance with ICC A117.1-2017 - chapter 404.2.7

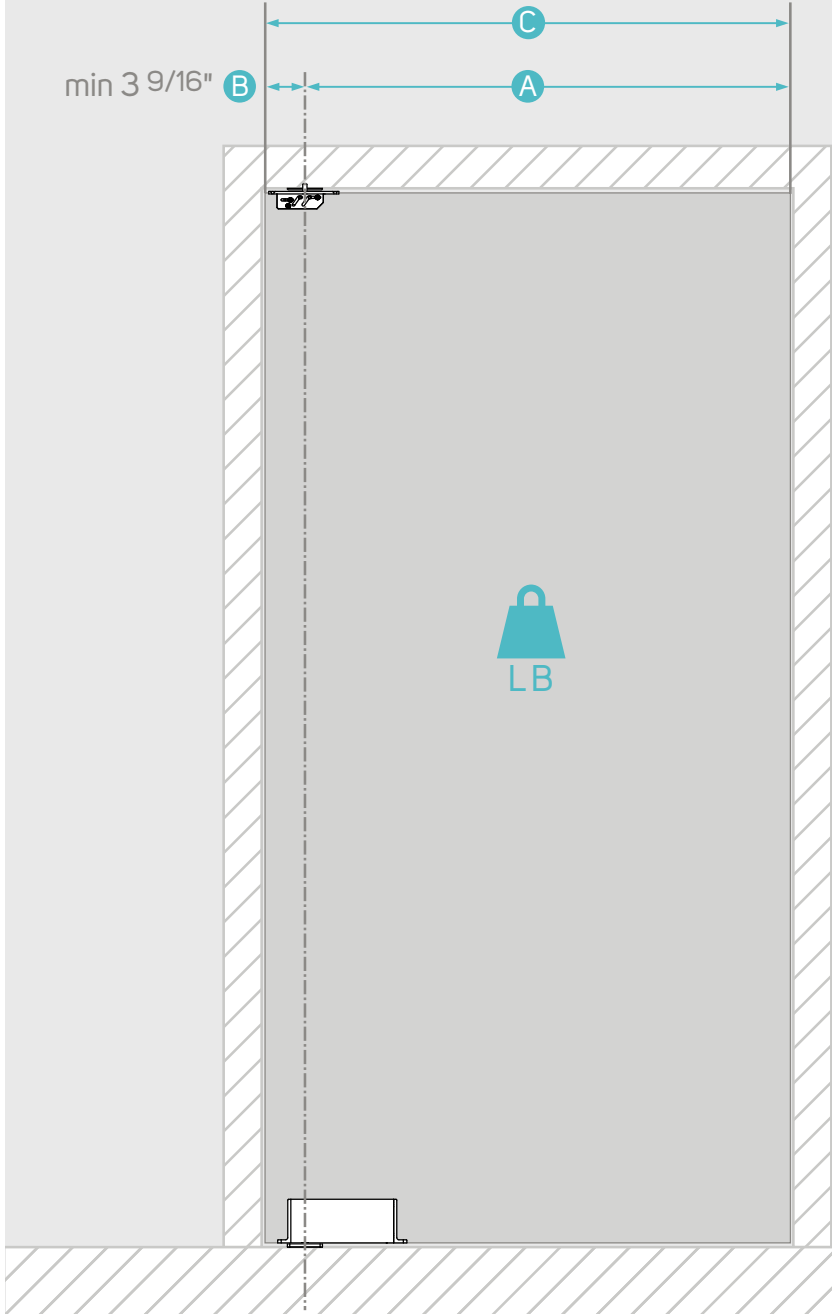
SELECTING A SYSTEM

In order to comply with the standards outlined by the ICC A117.1-2017 FritsJurgens® has designed four Friendly Access models. Each model has been designed to achieve an opening force ranging between 3.4 and 5.0 pounds (15.0N to 22.2N) considering varying door widths and weight.

If you require a system for a pivot door that does not appear here, do not hesitate to contact us. Fritsjurgens® has an on-site testing facility which enables us to determine whether our systems are suitable for your specific situation.

Disclaimer: The ADA guidelines do not apply for fire rated or exterior doors. The Friendly Access System is not suitable for these applications.

B Note: the door displayed on this page is an example. The minimum distance between the pivot point and the edge of the door is 3-9/16". The pivot point can be placed on the right or left side of the door. The pivot point can vary from the minimum distance towards the middle of the door.

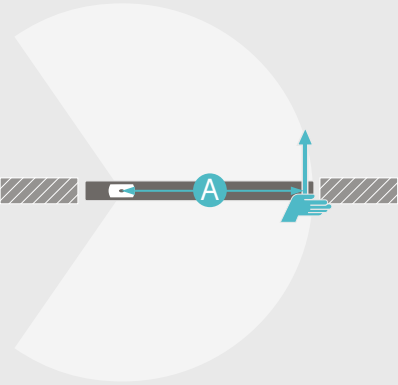


EXAMPLE

1	Check the total door width C	51"
2	Determine distance to pivot point from the latch side of the door A (C - B) A minimum distance of 3-9/16" is needed for B	47"
3	Cross reference the weight	300 lbs
!	For this door you would specify model	M-FA2

80-660	NOT APPLICABLE										5.0	4.5	4.2	4.0	3.8			
80-440	NOT APPLICABLE										4.8	4.5	4.2	5.0	4.5	4.2	4.0	3.8
80-330	NOT APPLICABLE										4.8	4.5	4.2	5.0	4.5	4.2	4.0	3.8
80-220	4.5	4.0	3.6	4.7	4.3	4.0	4.8	4.5	4.2	5.0	4.5	4.2	4.0	3.8				
30 — 35 — 40			41 — 45 — 50			51 — 55 — 60			61 — 65 — 70 — 75 — 80									
M-FA1			M-FA2			M-FA3			M-FA4									

- A** Distance of pivot point to the long side/latch side of the door in inches (IN).
- B** Distance of pivot point to the short side of the door in in inches (IN).
- C** Total width of the door in inches (IN). **C** = Max 2x **A**



- Weight of the door in pounds (LB): within weight range the self-closing function of the door is optimal.
- Opening force in pounds (LB): is mainly determined by **A** (distance pivot point – edge of the door).



DESIGNED TO STAND THE TEST OF TIME

The Friendly Access pivot hinge system from FritsJurgens® is virtually indestructible. Rigorous testing has shown that even after 1 million cycles our system performs flawlessly. Built from high performance materials, the system is maintenance-free.

The Friendly Access pivot hinge contains the highest corrosion resistance. Even the most adverse conditions do not affect the performance of this system. This pivot hinge packs an enormous amount of force into a compact space. To harness this power the casing was developed out of a monolithic block of aluminum, and the camshafts out of tempered steel for ultimate endurance.

This is a system truly designed for the ages: invisible, built-to-last and maintenance-free.



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