

# TOS

TOTAL OPENING SYSTEM  
ANTIPANIC DOORS WITH  
BREAK-OUT DISPOSAL



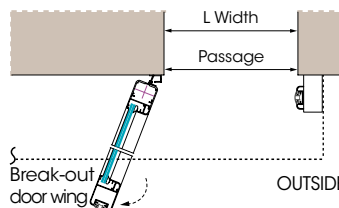
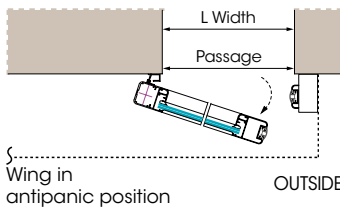
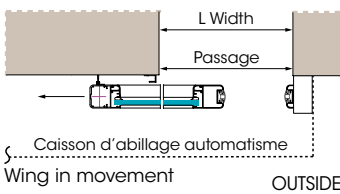
**TOS ANTIPANIC**  
PEDESTRIAN SLIDING  
DOORS FOR ESCAPE  
AND SAFETY ROUTE

# TOS 1

## ANTIPANIC SLIDING WING



**PONZI TOS 1R**, is the automatic linear sliding door with a single movable wing, with a panic device integrated into the upper vertical profile of the door frame. The system is suitable for use in public environments where the entrance door or inner division is classified as safety exit, in accordance with the current legislation. The TOS (Total Opening System) device allows the user to swing the movable door wing, with manual pressure on any part of the wing, even during its movement, clearing completely the passage way and allowing an easy escape route in emergency situations. It is available with rounded profile series PONZI 50 mm or 30 mm with reduced section and a suitable gaskets system.

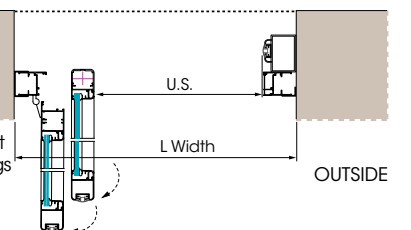
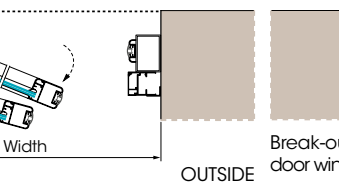
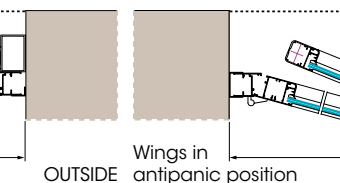
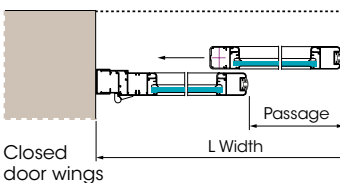


# TOS 1 + 1

## SOLUTION TOS FOR CONFINED SPACES



**PONZI TOS 1 + 1**, is composed of 2 wings: one is a mobile sliding wing which overlaps with the semifixed lateral one. The advantage of this solution compared to the TOS 1R version is the placement of the AS automatism inside the building. With some manual pressure on the wings, in any stroke position they are found, (as it happens for any other TOS device) the wings break down, freeing the passage. Panic devices are inserted into the pillar. The system is suitable for inside and outside entrances, but it can also be used as access control and internal partition.



— | EASY PASSAGE ON ESCAPE ROUTES | —

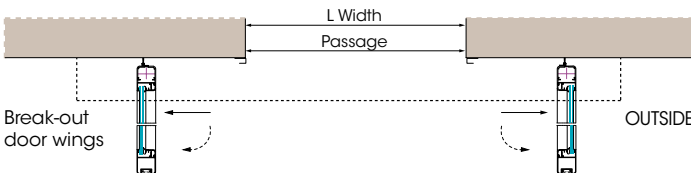
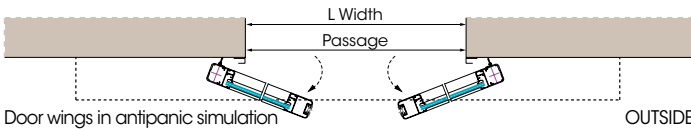
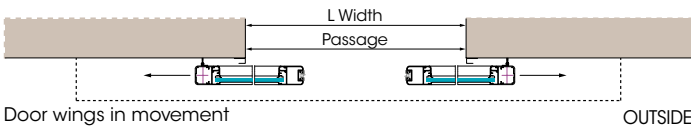
# TOS 2

## ENTRY TO TWO WINGS FOR AMPLE VAIN PASSAGE



### PONZI TOS 2R,

is an automatic sliding door composed of 2 automatic mobile wings, suitable for buildings that need escape routes, with specific requirements such as completely clear passages. The sliding doors overlap with bricked, glazed or panelled walls. Requirements for sliding doors must be met, considering also the space needed by the wings in an opening position, which must be placed outside the building, in order that the break-out of the wings is ensured. For a correct functioning over time, it is necessary to check the easy inspection of the mechanism, the protection from outdoor weathering and the possible manipulation by third parties of the building. The load of the wings is up to 100 kg. A specific lock, which allows a safe night-time closure, can be added as an option.



PONZI's automatic doors with TOS panic device are realized, installed and kept with special procedures of quality and relative certification, normative ISO 9001, respecting the UCCT guidelines on the automatic pedestrian doors.

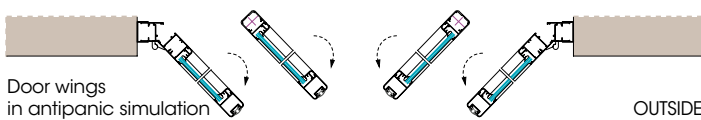
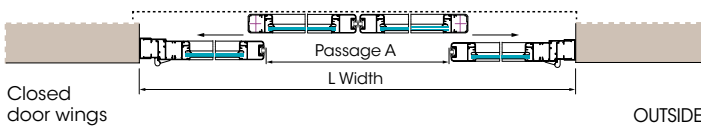
# TOS 4

## THE FIT SOLUTION FOR PUBLIC ENTRANCES

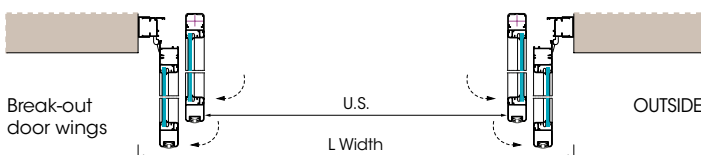


### PONZI TOS 4

is an automatic sliding door suitable for buildings such as shopping centers, hotels, hospitals, airports, offices, etc. It is furnished with an integral panic device, that can be activated by manual pressure on any part of the wing, even during its movement. The break-out system leads to the opening of the wings, freeing the passage and allowing the use of the wings also in case of unloading of goods. The automatism is designed to be integrated with PONZI aluminum profiles section 50 mm and reduced 30 mm, with a system of gaskets. PONZI sliding doors can be used on escape routes, through tests made by certified bodies, that prove the functioning in those circumstances, complete of qualifying certification. The doors are complying with the existing Community Directives and European laws, concerning power operated pedestrian doors (EN 16005). They are built according to the procedures of quality management system standards ISO9001, and installed and maintained following the UCCT guidelines.



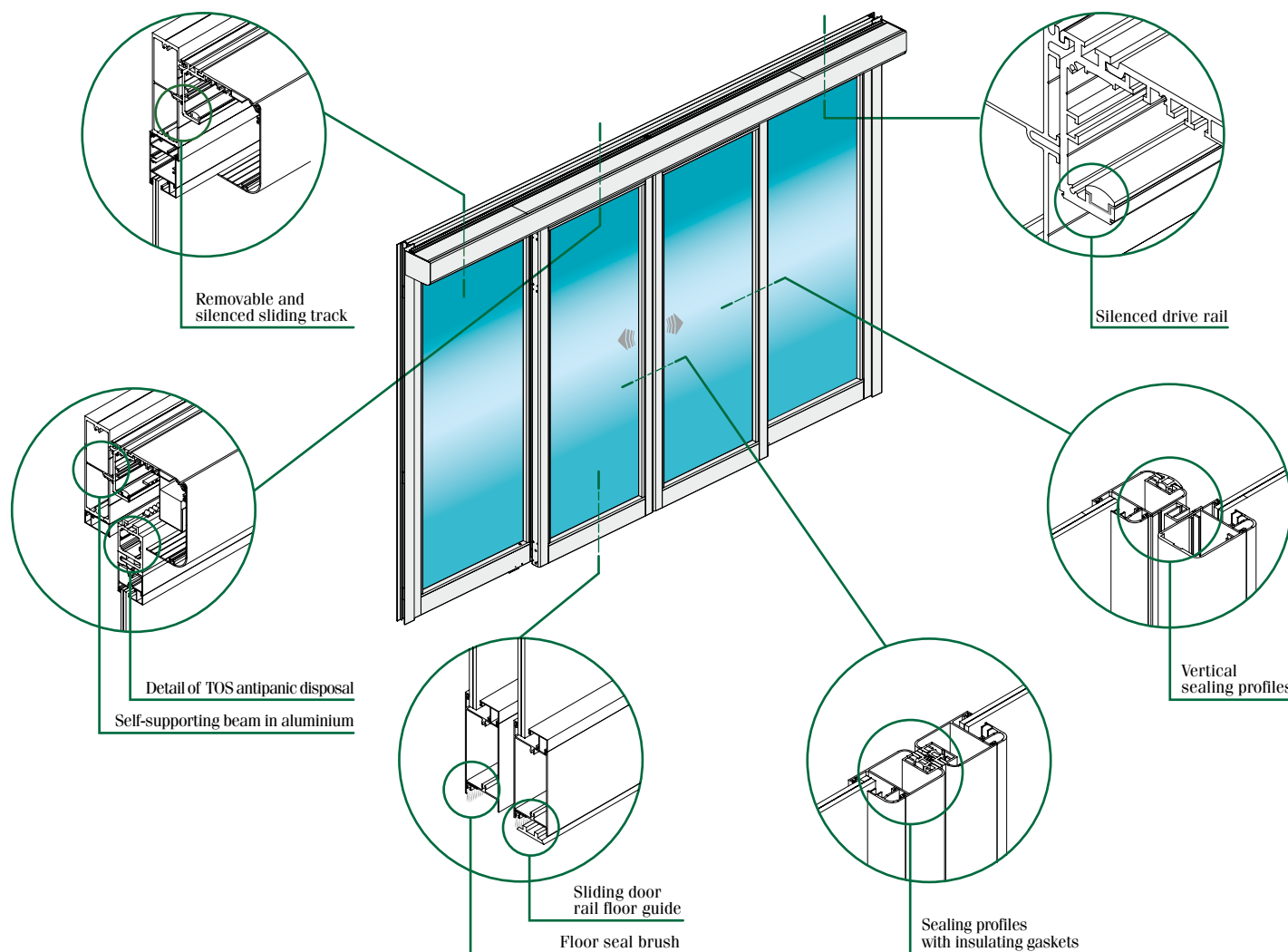
Report of a test performed on PONZI's TOS (Total Opening System) 4 wings automatic sliding door with panic device and integral break-out of the wings after manual pressure, freeing the passage. Suitable for escape routes.



— | PRACTICAL FOR PEOPLE AND GOODS PASSAGE | —

# PONZI TOS

## DRAWING WITH TECHNICAL DETAIL



## TENDER DESCRIPTION SPECIFICATION

PONZI TOS automatic sliding doors, are composed of four wings: two central that open automatically and two side wings that are semi-fixed. The wings are made of 50 mm aluminum alloy extruded profiles - rounded accident prevention PONZI series - surface finish with oven or electrocolouring paint (color to be chosen from the sample case), safety laminated glass 44.2, 8/9 mm thick, comprised of two clear float plates of 4 mm, with inserted p.v.b. film of 0.76 mm. The doors come with special gaskets for the central door wings junction, with its relative counter-profiles for thermal acoustic insulation. The mechanism has a load of maximum 100 kg per wing and it is regulated by a microprocessor, mounted on an aluminum support, and it will be completed with:

- N°1 Low voltage gear motor.
- N°1 Stabilized power supply
- N°1 Microprocessor control board with self-diagnosis and continuous check of all door functions
- N°1 Aluminum rail track with removable profile and anti-noise rubber seal.
- N°2 Door wings trolley with 3 wheels on ball bearing.
- N°1 Adapter profile for door wings suspension.
- N°1 Multifunction emergency battery pack, with 30

minutes of battery life in continuous operation, or 100 cycles opening.

- N°1 Bi-stable locking device controlled by the selector and emergency release easily accessible
- N°1 Inspectionable cover in extruded aluminum (h = 155 mm)
- N°1 Manual key control panel with 5 position.
- N°2 Sensors (movement and presence detector)

**TOS PANIC DEVICE TOTAL BREAK-OUT:** in case of emergency the two central sliding wings and the two side semi-fixed wings will break-out with a simple manual pressure in any stroke position they are found, even during its movement. The automatism, thanks to the anchorage to the floor, guarantees the break-out of the wings and their folding through manual or automatic sliding (two wings per side), with the disarming of the automatic function at the end of the ride, until the recovery of the activity. The 90° opening assumes the function of panic device and emergency exit, and has been tested by certified bodies, resulting complying with the current legislation about power operated pedestrian doors installed on escape routes. (EN 16005; D.Lgs. 81/2008).

# OUT DOORS



Hotel - TOS door in antipanic simulation Hotel - Compass entrance, antipanic emergency opening Hotel - TOS door with broken wings on escape routes



Retail - TOS door, integral wings breakthrough Retail - Trolleys passage Retail - Compass entrance: entry and exit with 4 wings TOS door



Hospital - 2 wings TOS 2R Hospital - TOS door suitable for passing stretchers Hospital - Single wing TOS door for main entrance



Railway - TOS door: mixed traffic people/luggage Airport - TOS door airport entrances University - Wings in antipanic emergency



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