



VERSATILE



HIGH-
PERFORMING



SAFETY AND
QUALITY

System
of frames
for sliding automation

Ditec **ALU48**

A universal system

The Ditec ALU48 series is **a system of profiles 48 mm thick**, designed to enable the creation of **aluminium frames** providing a safe sliding entrance, with **simple and fast construction and installation**, and a **modern, linear design** that's perfect for every architectural context. The ALU48 profile series is designed for sliding doors with 1 or 2 wings, and 2-wing or 4-wing telescopic doors with fixed walls, load-bearing beams and fanlights. ALU48 also comes in versions with an anti-panic breakout system (both specifically on the moving wings and total breakout).



ONE SOLUTION FOR ALL: FROM THE PROFESSIONAL TO THE END CUSTOMER

Ditec ALU48 is a modular system that meets the needs of every customer, thanks to its dual nature:

➤ **Bar profiles for building the wings**

A system conceived for automatic door specialists, with a complete range of **profiles, seals and accessory kits** for quickly producing a complete entrance in a professional way. Ditec supports the production aspect with **innovative technical software packages** for the cutting lists, and **detailed manuals** covering every production and assembly instruction

➤ **Assembled frames, custom finished**

Complete tailor-made entrances fitted with glass and all the perimeter parts, accompanied by the detailed technical drawings and instructions to ensure correct installation. Ditec also provides specific software packages for correct frame modelling and order management, as well as the complete technical and commercial documentation

Ditec ALU48, a winning choice



Versatile

Ditec ALU48 is a highly flexible system that guarantees the versatility in both the production and the installation of profiles:

- Simple production with 90° cuts and connections on both moving and fixed wings
- Fixed perimeter parts with a compensation profile
- Wide range of gaskets and brushes for a perfect sealing
- Possibility to fit glass panes (or panels) of 8-41 mm
- Provision for fitting with several locks, to ensure good closing
- Several additional elements for every architectural need - raised skirting boards, crosspieces, floor guides (with embedded versions too)



High-performing

The ALU48 frame system provides top performance in terms of free passage dimensions and maximum wing weight:

- Standard entrance with passage width up to 1475 mm with a single wing and 2970 mm with a double wing
- Telescopic entrance with passage width up to 2580 mm with 1+1 wings and 4175 mm with 2+2 wings
- Passage-space height up to 3000 mm
- Standard wing weight up to 150 kg
- Breakout wing weight up to 120 kg
- Special executions upon request



Safety and quality

From the design to the choice of materials and finishes, Ditec ALU48 aims to provide a top quality entrance that fully complies with the current standards:

- Conformity with EN 16005 to guarantee every possible safety precaution (as regards cuts, shearing, trapping and tripping), thanks also to its ergonomic design
- TÜV approval for the anti-panic breakout frame system ALU48 TBO, RBO and SBO
- Frames with EURAS C0 anodised finish or in RAL shades in conformity with QUALICOAT technical specifications
- Aluminium alloy profiles in conformity with REACH and SVHC regulations regarding the use of chemical substances



Solutions for straight sliding frames

Ditec ALU48 STD series - Telescopic

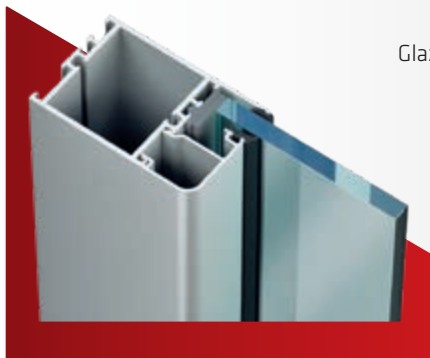
STANDARD	TYPE	MAX FRAME DIMENSIONS LS X HS (MM)	MAX PASSAGE-SPACE DIMENSIONS PL X PH (MM)	AUTOMATION SUPPORT BEAM
	fixed wall	3000 x 3000	-	-
	moving door wing	1500 x 3000	1475 x 3000	-
	2 moving door wings	3000 x 3000	2970 x 3000	-
	2 moving door wings + fanlight	3000 x 5000	2900 x 3000	included in the fanlight
	moving door wing + fixed door wing	3000 x 3000	1440 x 3000	yes
	moving door wing + fixed door wing + fanlight	3000 x 5000	1420 x 3000	included in the fanlight
	2 moving door wings + 2 fixed door wings	6000 x 3000	2890 x 3000	yes
	2 moving door wings + 2 fixed door wings + fanlight	6000 x 5000	2890 x 3000	included in the fanlight
	TYPE	MAX FRAME DIMENSIONS LS X HS (MM)	MAX PASSAGE-SPACE DIMENSIONS PL X PH (MM)	AUTOMATION SUPPORT BEAM
	2 moving door wings	3000 x 3000	2970 x 3000	-
	4 moving door wings	4200 x 3000	4175 x 3000	-
	2 moving door wings + fixed door wing	4000 x 3000	2580 x 3000	yes
	2 moving door wings + fixed door wing + fanlight	4000 x 5000	2540 x 3000	included in the fanlight
	4 moving door wings + 2 fixed door wings	6000 x 3000	3850 x 3000	yes
	4 moving door wings + 2 fixed door wings + fanlight	6000 x 5000	3850 x 3000	included in the fanlight

Versatile and modern

Ditec ALU48 can offer a very wide range of glass or panel application (from 8 mm up to 41 mm), always guaranteeing a modern, streamlined design. To complete the range, Ditec has the seals for the internal and external glazing, brushes of 9 and 11 mm, and polymer profiles for the wing slide guides.

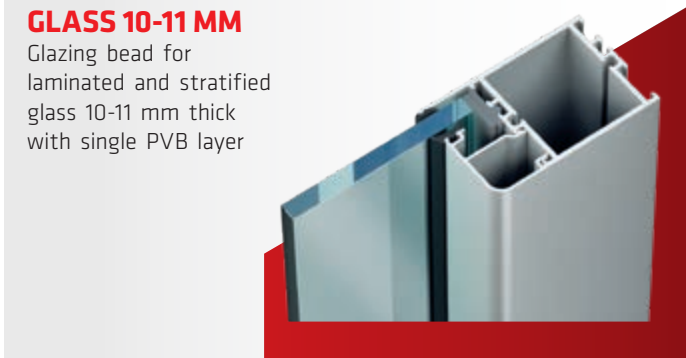
GLASS 8-9 MM

Glazing bead for laminated and stratified glass 8-9 mm thick with single or double PVB layer



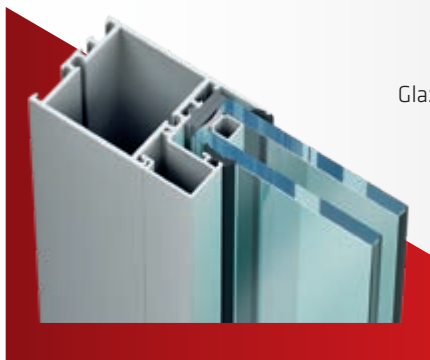
GLASS 10-11 MM

Glazing bead for laminated and stratified glass 10-11 mm thick with single PVB layer



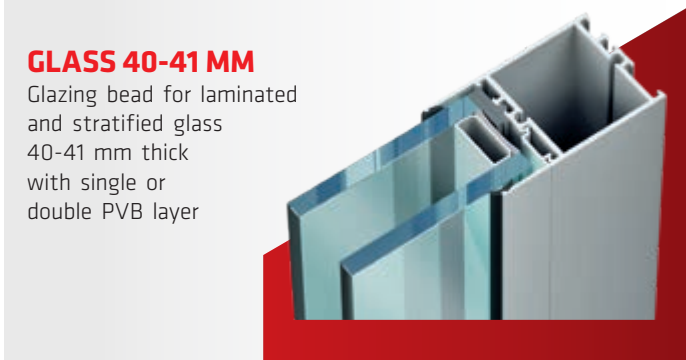
GLASS 22-23 MM

Glazing bead for laminated and stratified glass 22-23 mm thick with single or double PVB layer

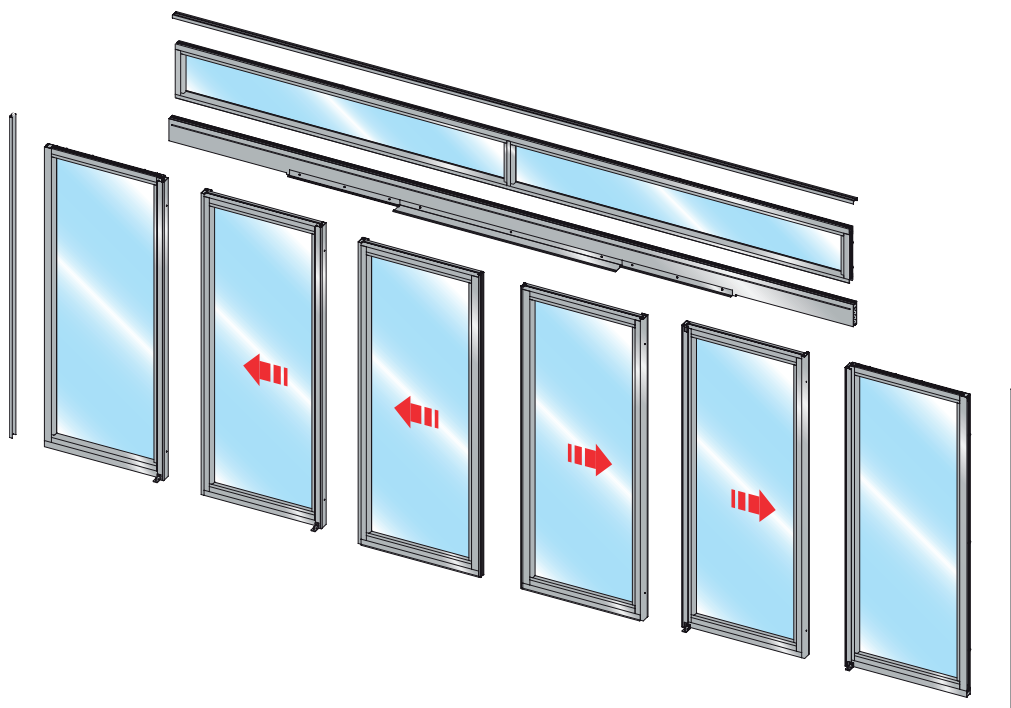


GLASS 40-41 MM

Glazing bead for laminated and stratified glass 40-41 mm thick with single or double PVB layer



**ALU48 telescopic 2+2 moving door wings,
2 fixed door wings + fanlight and support beam**



Anti-panic breakout devices for escape routes

Ditec ALU48 TBO - RBO series



TBO	TYPE	MAX FRAME DIMENSIONS LS X HS (MM)	MAX PASSAGE-SPACE DIMENSIONS PL X PH (MM)	AUTOMATION SUPPORT BEAM
	moving door wing + fixed door wing	3000 x 2500	1320 x 2455	yes
	moving door wing + fixed door wing + fanlight	3000 x 5000	1320 x 2455	included in the fanlight
	2 moving door wings + 2 fixed door wings	5000 x 2500	2355 x 2455	yes
	2 moving door wings + 2 fixed door wings + fanlight	5000 x 5000	2355 x 2455	included in the fanlight

RBO	TYPE	MAX FRAME DIMENSIONS LS X HS (MM)	MAX PASSAGE-SPACE DIMENSIONS PL X PH (MM)	AUTOMATION SUPPORT BEAM
	moving door wing	1340 x 2455	1310 x 2455	-
	2 moving door wings	2655 x 2455	2630 x 2455	yes
	2 moving door wings + fanlight	2740 x 5000	2630 x 2455	included in the fanlight
	moving door wing + fixed door wing	3000 x 2480	1310 x 2455	yes
	moving door wing + fixed door wing + fanlight	3000 x 5000	1310 x 2455	included in the fanlight
	2 moving door wings + 2 fixed door wings	6000 x 2480	2630 x 2455	yes
	2 moving door wings + 2 fixed door wings + fanlight	6000 x 5000	2630 x 2455	included in the fanlight

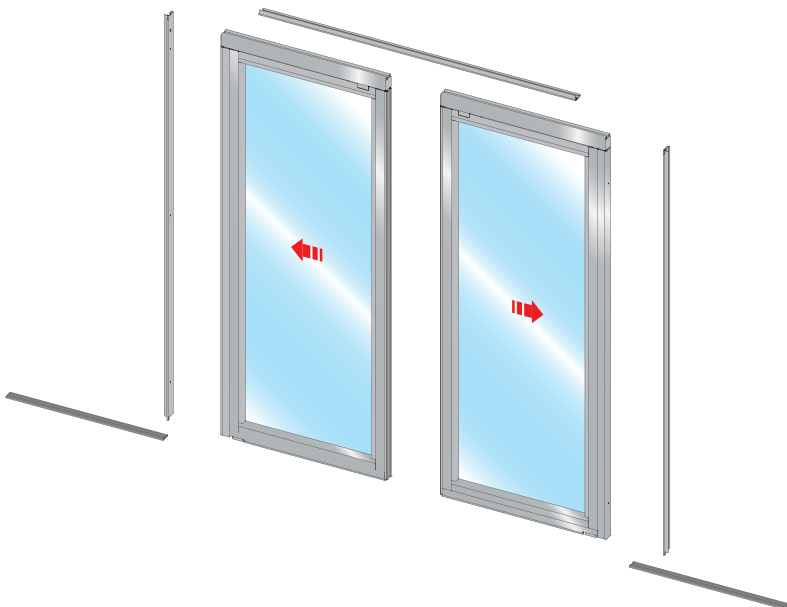
Anti-panic breakout devices for escape routes

Ditec ALU48 SBO series



SBO	TYPE	MAX FRAME DIMENSIONS LS X HS (MM)	MAX PASSAGE-SPACE DIMENSIONS PL X PH (MM)	AUTOMATION SUPPORT BEAM
	moving door wing	1440 x 2475	1410 x 2455	-
	2 moving door wings	2840 x 2475	2810 x 2455	-
	2 moving door wings + fanlight	2910 x 5000	2810 x 2455	included in the fanlight
	moving door wing + fixed door wing	2990 x 2480	1435 x 2455	yes
	moving door wing + fixed door wing + fanlight	2990 x 5000	1435 x 2455	included in the fanlight
	2 moving door wings + 2 fixed door wings	6000 x 2480	2800 x 2455	yes
	2 moving door wings + 2 fixed door wings + fanlight	6000 x 5000	2800 x 2455	included in the fanlight

ALU48 breakout SBO 2 moving door wings with hook lock



A complete system



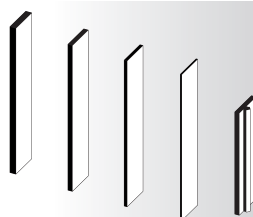
► **KSER48**
Hook lock kit for moving
door wing



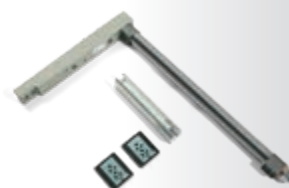
► **KSER481**
Half-cylinder for KSER48



► **KSER482**
Through cylinder for
KSER48



► **KSV48**
Glass spacer kit



► **KASM48**
Breakout kit for
moving door wing

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Easy to install

With ALU48, Ditec provides a precise and easily adjustable compensation system: a handy screw-in spacer for adapting the frame to any perimeter irregularity. Ideal for fixed door wings and fanlights.

