

FRAME

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Introduction

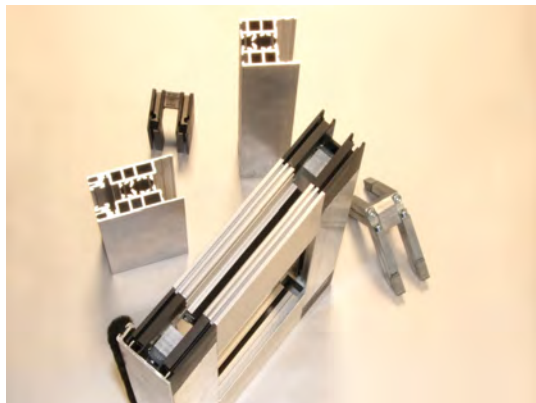
Door frames are an essential concern when it comes to security and is often overlooked. No matter how sturdy the door or secure the locks are, if the door hinges have been drilled into a thin frame, it can be kicked down in seconds by someone determined to do it. Because most locks and deadbolts protrude into the door jamb and rely on it for support, choosing the right frame is a vital part of ensuring that your doors are securely attached.

Deuschtec Products can be matched with many different types of frames such as THB, TBS, UTS, and Saturn, or they can even be employed frameless. This versatility allows our products to be flexible toward its respected clients' visions and wants. Our Thermal Break frames are the ultimate solutions for saving energy in harsh weather.

We have two different type of frames:

1- We will provide you a full set of doors for our hermetic, breakout, revolving, and curve doors because of their unique looks and efficiency, including their specific frame.

2- Our sliding door frames, which are THB, TBS, UTS, and SATURN, can match with any of the Deuschtec sliding doors.



THB frame

THB

Compared to various kinds of aluminum frames, this sturdy and robust frame which unique metal corners have made it incredibly strong to a great degree immune to impacts. By using thermal break technology (preventing any energy waste) in addition to being suitable for using double-glazing and even triple-glazing glass, it is designed to withstand any undesired or harsh weather conditions.

THB frame is also using the latest Styrene Butadiene Rubber Insulation to saving energy to the maximum efficiency.

By having 40 mm thickness, you can also use THB frames for heavy doors. Plastic-coated corners have given unique beauty to this type of frame. THB frames are TÜV approved for use in emergency escape routes.

THB Features:

- MAX protection against cold penetration
- True thermally-broken frame profile
- Made to order profiles:

If you wish, you can easily cut your profiles to any size and yet benefit from the thermal-break feature

- weather-strip exterior application:

With the thermal break THB frame's grooved exterior, it's possible to seal and cover movement spaces like openings and closings of leaves with a

weather strip, rendering the frame completely sealed and preventing sound from entering

Selectable type of glass:

- Insulating glass
- Heat protection glass
- Solar control glass
- Safety glass
- Fire-resistant glass

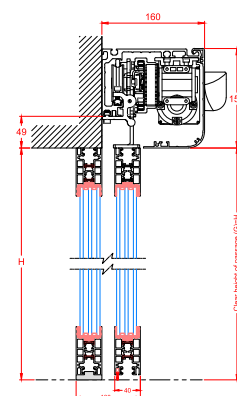
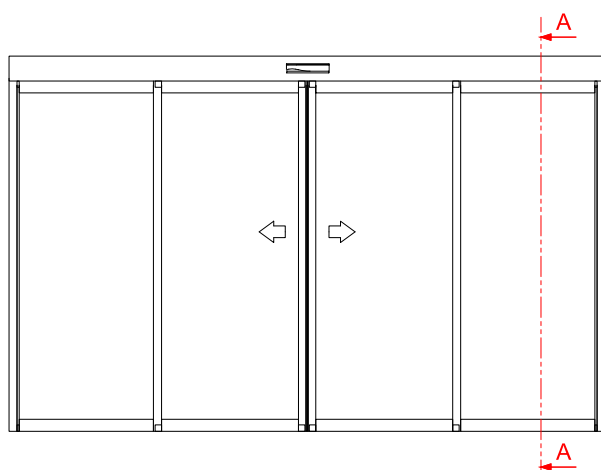
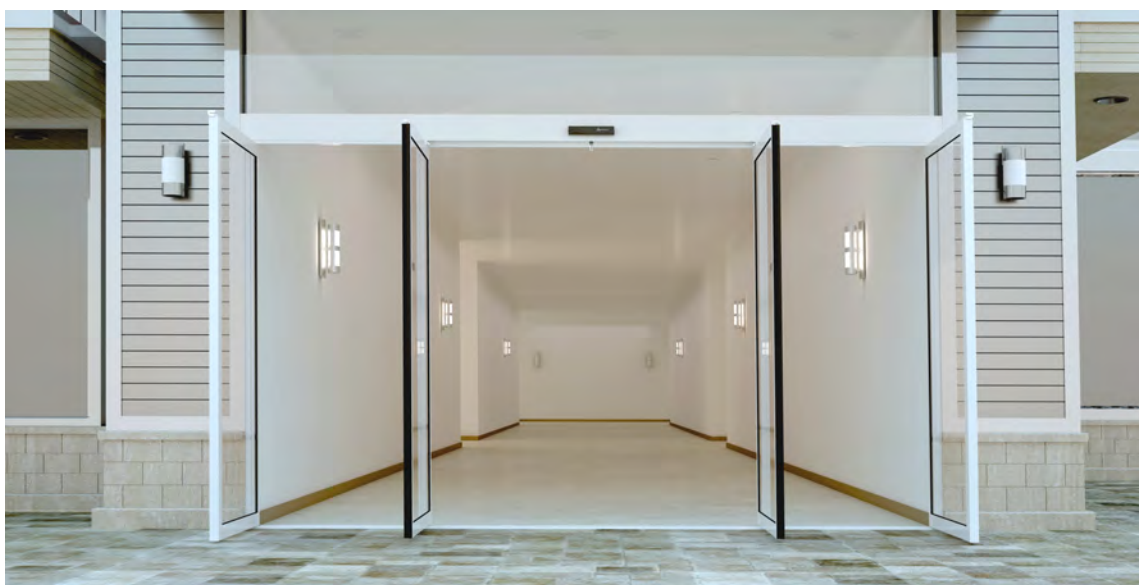
Maximum door dimensions:

- Max system width: 6250 mm
- Max passage width: 3000 mm
- Max passage height: 3000 mm

Meets the energy EnEV 2009	✓
UD- values	From 1,4 till max, 1,8 W/m ² k
Certified thermal insulation Values according to EN ISO 10077	✓



THB Frames Instruction



Section A-A

TBS

The TBS frame is an economical and inexpensive solution. Besides being a thermal break, it can be coupled with double-glazing glass. Its thinness (30 mm) and one-of-a-kind combination with Deuschtec Airdrive series have made the TBS frame a smart, gorgeous choice for modern architecture. This type of frame has successfully been tested for escaped doors. You can install double glazed glass to save energy.

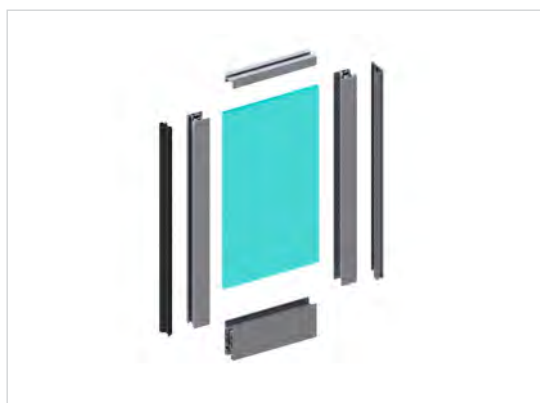
The profiles developed by Deuschtec are thermally separated and therefore reduce the heat transfer coefficient.

TBS features:

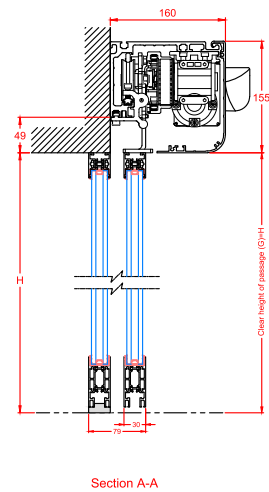
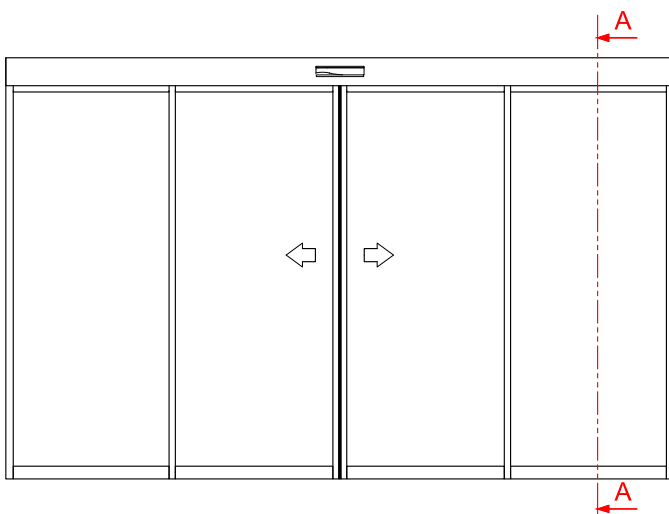
- Extremely narrow face width (vertically only 32mm, horizontally only 70mm)
- Flexible glazing with rubber seals
- Simple production thanks to pre-machined profiles
- Kits for moving leaves and side panels available
- All accessories included
- Universal adaptation to many drive types
- U - values up to $1.5W / (m^2K)$, tested by ift Rosenheim (Test report No. 150-003754-PR03) ift Rosenheim

Selectable type of glass:

- Insulating glass
- Heat protection glass
- Solar control glass
- Sound protection glass
- Safety glass
- Fire-resistant glass



TBS Frame

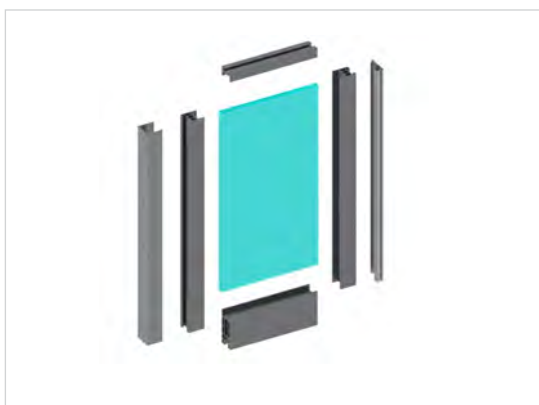


UTS

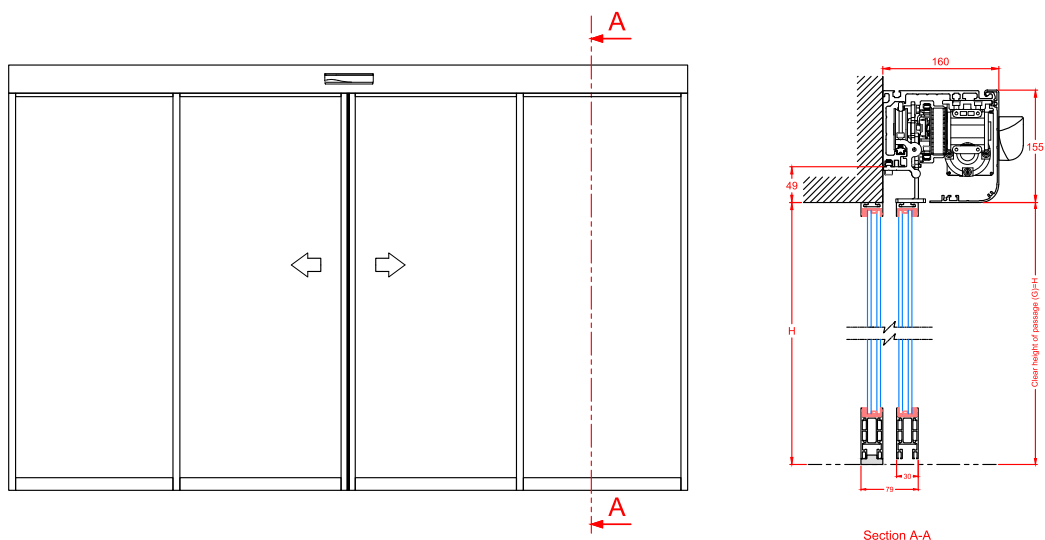
This frame is the non-thermal break version of TBS and has all its advantages. Due to not being a thermal break, it has an even more competitive price. While enjoying all TBS beauties, for buildings' inside doors and places where the exchange of cold and hot air does not matter much, UTS is an excellent value.

Selectable type of glass:

- Solar control glass
- Safety glass
- Fire-resistant glass



UTS Frame



SATURN

This is a reasonably-priced frame suitable for single-glazing and tempered glass. When you wish to have a glass frontage and yet, prefer to use a thin frame instead of frameless glass, Saturn is a convenient Economic solution.

SATURN is an excellent solution when you intend to install the door inside the wall; when you open the door, all the leaves would be hidden inside the wall, and you will not see the door!

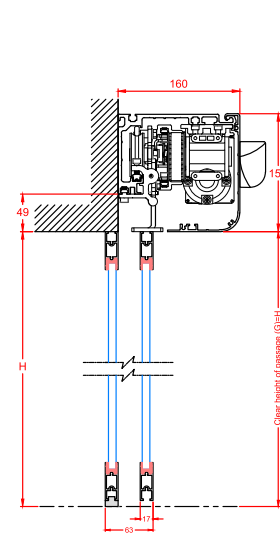
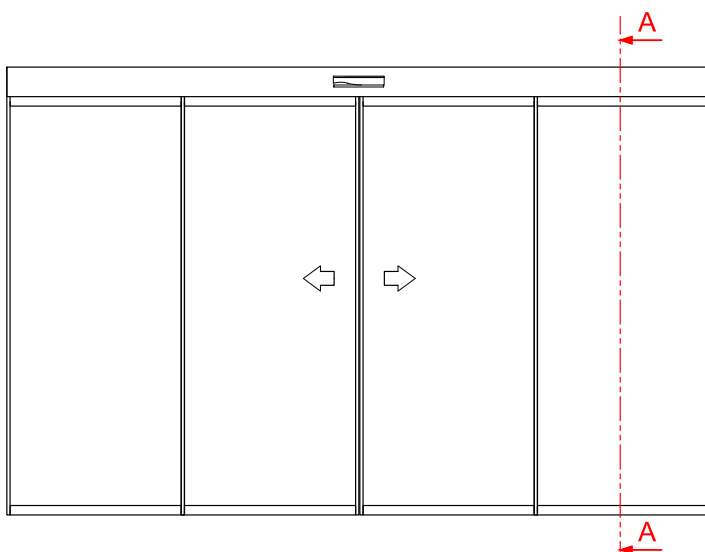
SATURN is also the right choice for inside the buildings and automatic sliding doors because of its narrowness and lightness.

Selectable type of glass:

- Insulating glass
- Heat protection glass
- Solar control glass
- Safety glass
- Fire-resistant glass



Saturn Frame



Section A-A

Frameless

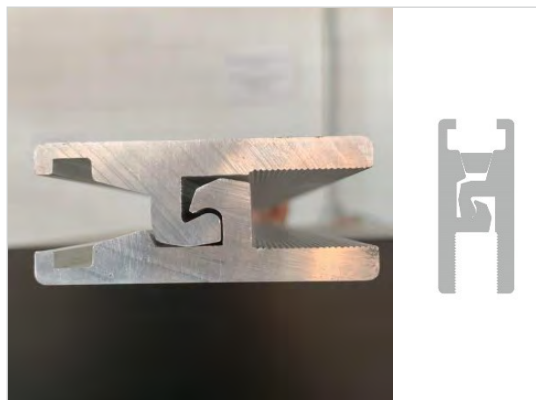
This full-glass system is the most suitable choice for those who wish to have elegance combined with radiance. These sliding doors provide an excellent light exchange between the inside and outside.

You can use any glass in presses or producing like raw glass, tempered glass, semi-tempered glass, etc.

You can use a customized floor guide base on the entrance view or building; you change the floor guide depends on the view.

Selectable type of glass:

- Insulating glass
- Solar control glass

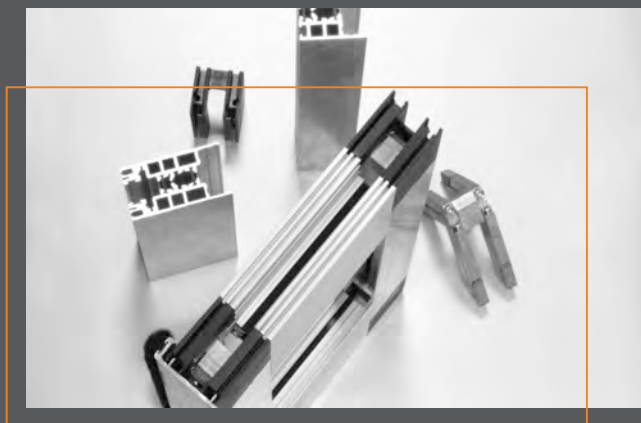


Frameless



Maximum Glass Thickness for each Frame

Frame	Glass Thickness
THB	Up to 32 mm
TBS	Up to 22 mm
UTS	Up to 22 mm
SATURN	Up to 12 mm
Frameless	8-12 mm



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