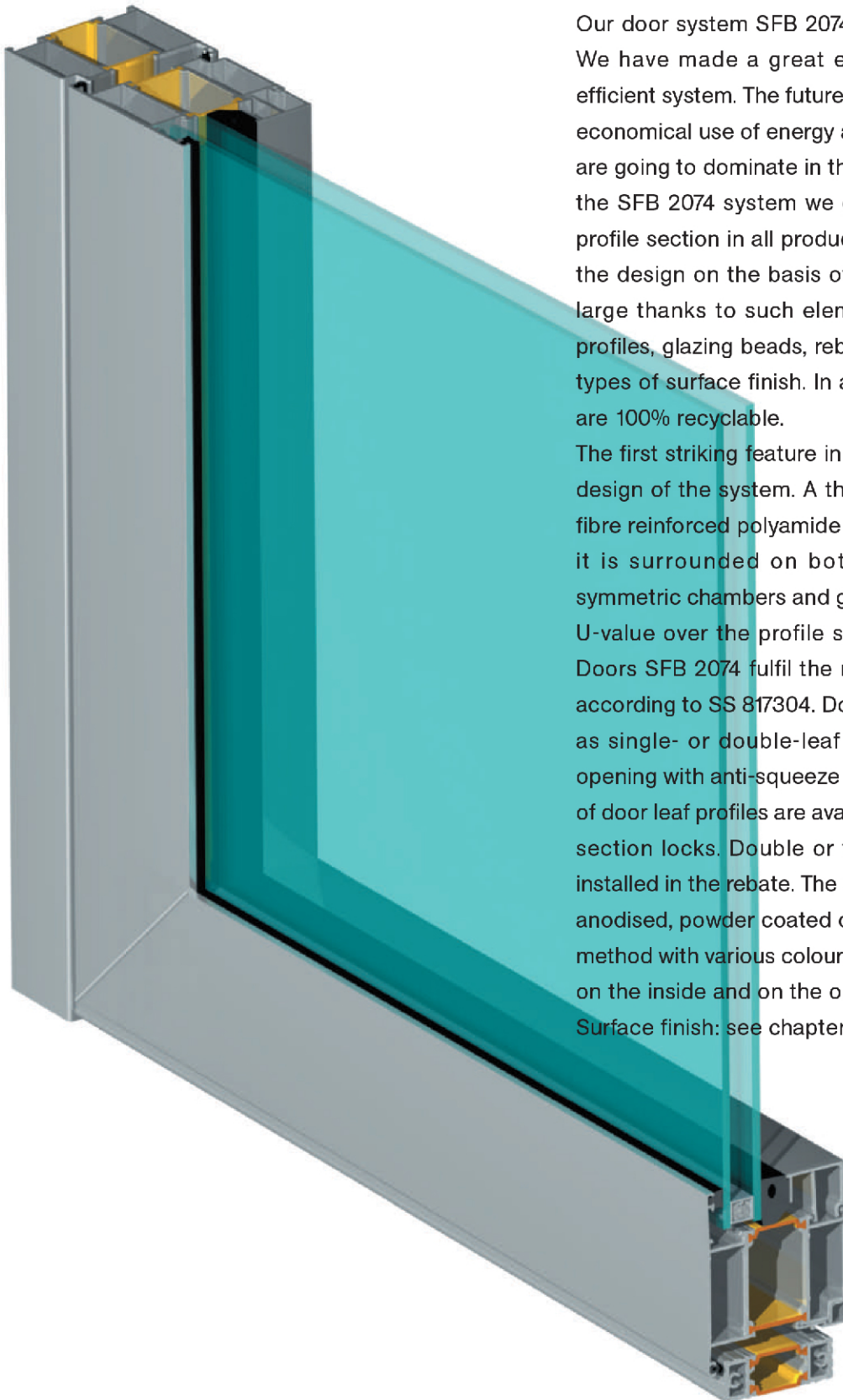


SFB 2074 doors insulated



Our door system SFB 2074 is innovative in its design. We have made a great effort to obtain an energy efficient system. The future requirements regarding the economical use of energy and environment protection are going to dominate in the construction sector. With the SFB 2074 system we get a low U-value over the profile section in all products. The freedom to change the design on the basis of a given basic structure is large thanks to such elements as various door leaf profiles, glazing beads, rebate profiles and alternative types of surface finish. In addition, aluminium profiles are 100% recyclable.

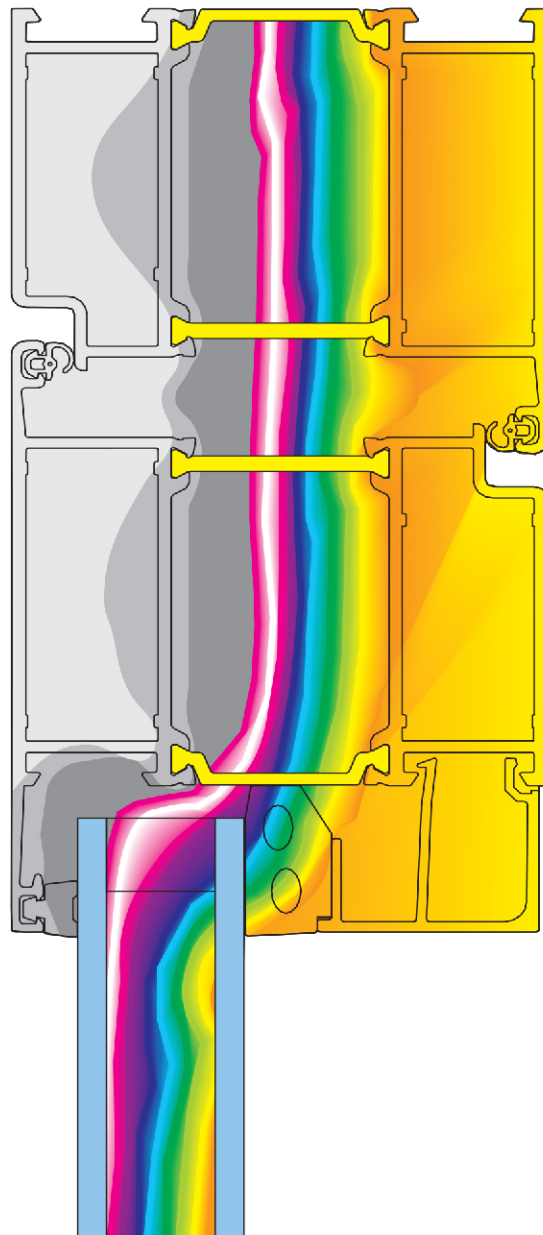
The first striking feature in SFB 2074 is the symmetric design of the system. A thermal break made of glass fibre reinforced polyamide is placed in the middle and it is surrounded on both sides by profiles with symmetric chambers and grooves. SFB 2074 has a low U-value over the profile section including the glass. Doors SFB 2074 fulfil the requirements up to class N according to SS 817304. Doors SFB 2074 can be made as single- or double-leaf doors, inward or outward opening with anti-squeeze back edge. Different widths of door leaf profiles are available for narrow or modular section locks. Double or triple glazing units can be installed in the rebate. The door system profiles can be anodised, powder coated or coated using the Decoral method with various colours and types of surface finish on the inside and on the outside.

Surface finish: see chapter M.

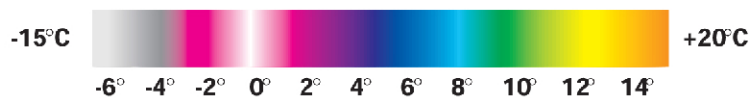
SFB 2074 doors with low U-value

SFB 2074 is insulated with 30 mm glass fibre reinforced polyamide strips, placed in the middle and surrounded on both sides by profiles with symmetric chambers and grooves. The profiles for SFB 2074 doors/entrances have a low U-value over the profile section. The location

of the door/entrances in a wall is very important for high surface temperatures of the profiles. The elements shall be always placed in the warmest part of a wall in order to eliminate thermal bridges. Doors/entrances can be anodised or powder coated.



The temperature distribution over door profiles is calculated theoretically with the use of "FRAME4" software.



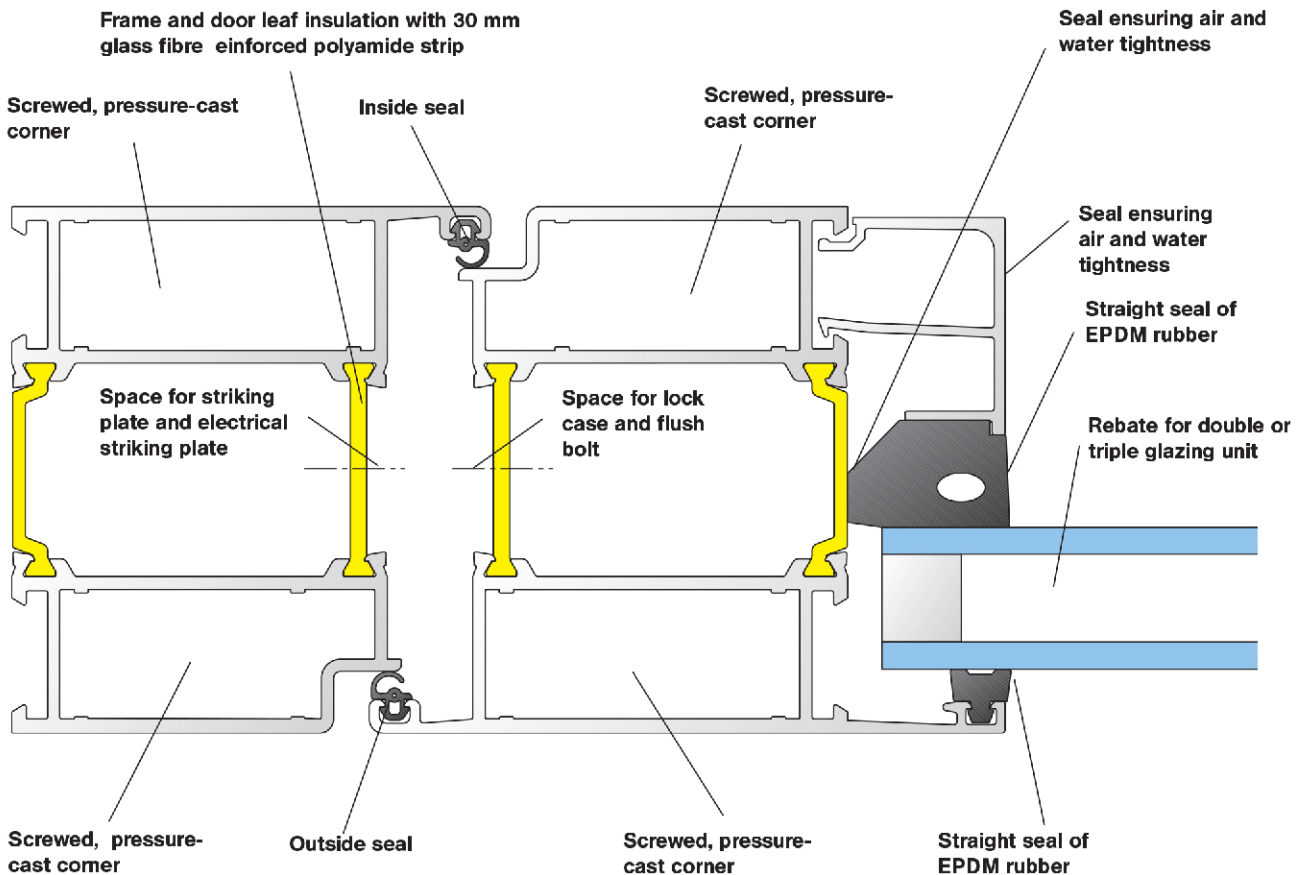
Functions

SFB 2074 doors

Door system SFB 2074 is based on many years of experience in the production of aluminium doors.

The frame and the door leaf profiles are insulated with 30 mm glass fibre reinforced polyamide strips in order to obtain a low U-value over the profile section. The design of frame and door leaf profiles ensures effective ventilation and drainage of the rebate, which provides space for double or triple glazing units. Infill panels in doors and door elements can be up to 54 mm thick. Outside and inside seals have straight edges for maximum clear dimensions of the glass. Double rebate seals between frame and door leaf ensure very good tightness of the door. The inside seal has been designed to provide insulation between the glass and

the glazing bead as well as to ensure the best air and water tightness of the glass rebate. The basic version of the door includes integrated rebate profiles and glazing beads on the inside. Door leaf profiles for narrow and modular locks are available as well as profiles for anti-squeeze back edge. In order to obtain the best rigidity and strength of the door leaf, all corners are mitred and screwed together with pressure-cast corner fittings. Fittings such as door closing devices, hinges and handles are always mounted with load distribution elements. In addition, the SFB 2074 door system can be also used to make fire-resistant doors and partitions rated in class EI 30, EI 60, as well as anti-burglar and bullet-proof door elements.

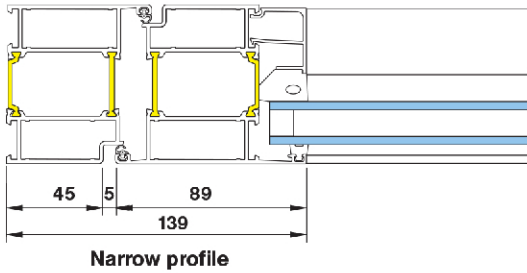


Principle details

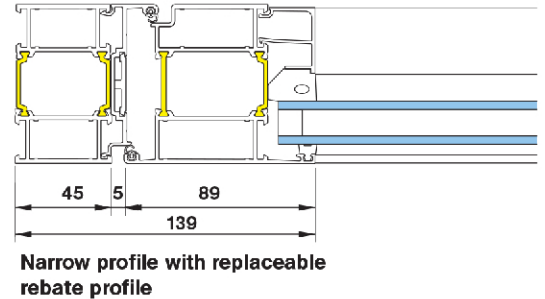
SFB 2074

The SFB 2074 door system enables different combinations of frame and door leaf profiles. Door leaf profiles for narrow and modular locks are available for inward and outward opening doors. Frame profiles, door leaf profiles, rebate profiles and glazing beads can be

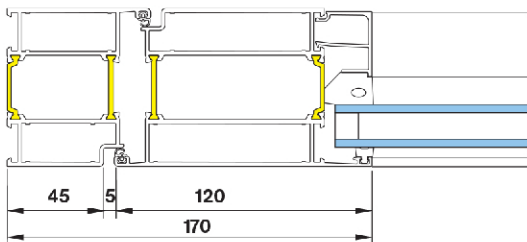
combined with various colours and types of surface finish on the inside and on the outside. For example, powder coated frame profiles and clear anodised door leaf profiles.



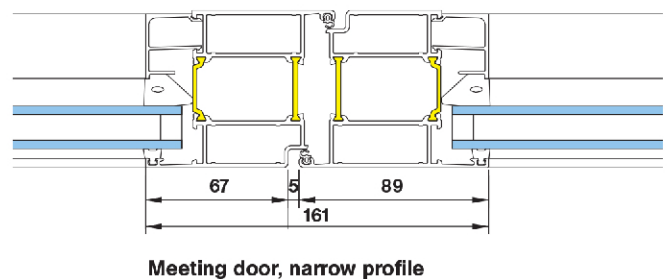
Narrow profile



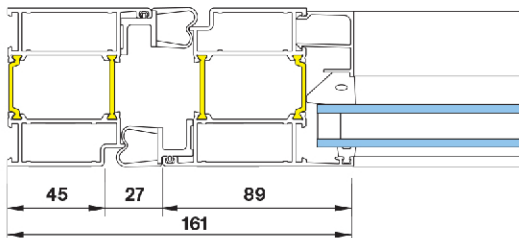
Narrow profile with replaceable rebate profile



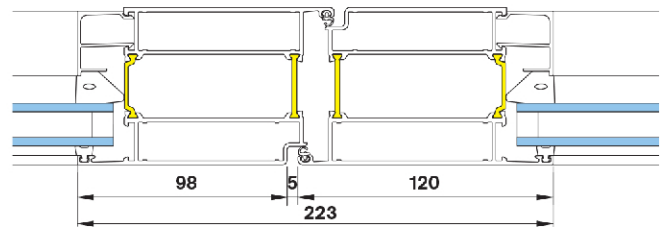
Modular profile



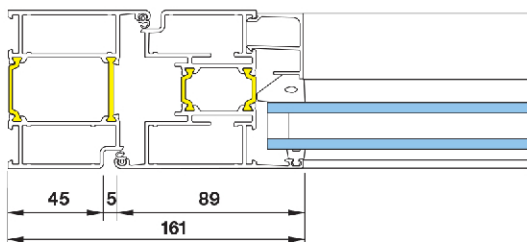
Meeting door, narrow profile



Anti-squeeze back edge with narrow or modular profile

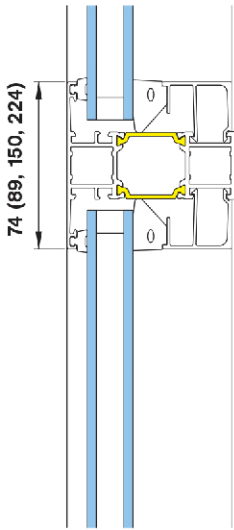


Meeting door, modular profile

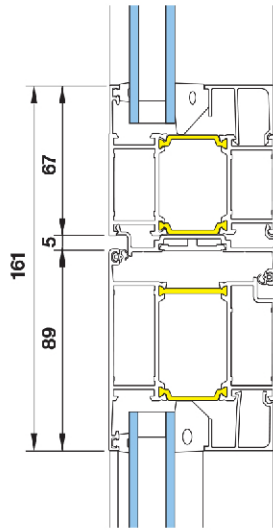


Narrow profile with Fix fittings

Cross-bar profiles

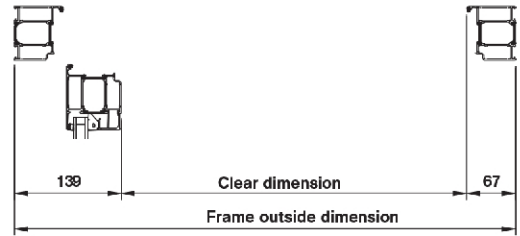


Cross-bar profiles

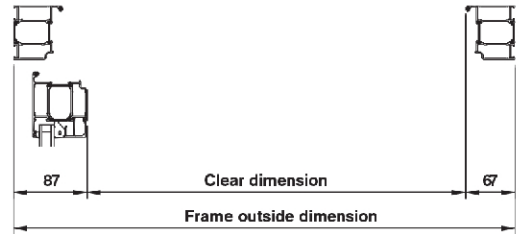


Door with top light

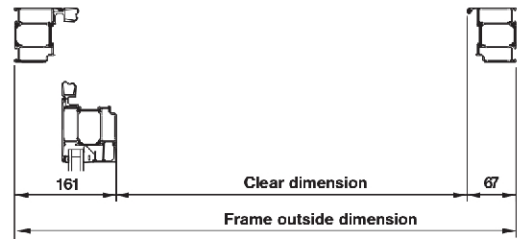
Clear dimension



Rebate door

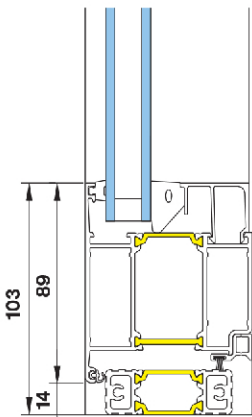


Door with hidden hinges

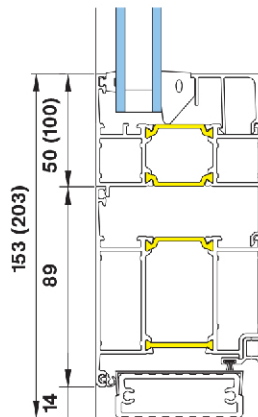


Door with anti-squeeze back edge

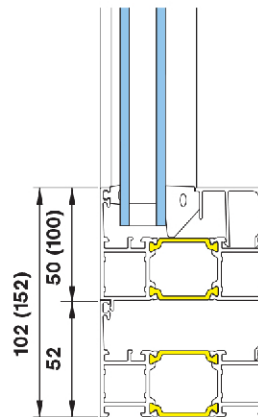
Door leaf/threshold combinations, extension profiles



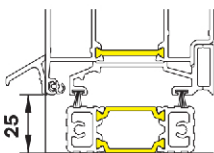
Insulated threshold and rebate door



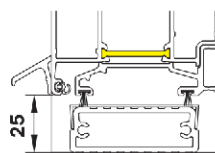
Uninsulated stainless threshold and rebate door



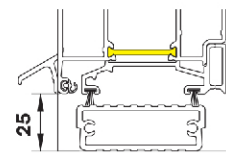
Uninsulated threshold and rebate door



Insulated threshold and door with brush seals underneath



Uninsulated stainless threshold and door with brush seals underneath



Uninsulated threshold and door with brush seals underneath

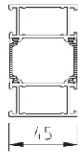
List of profiles

SFB 2074

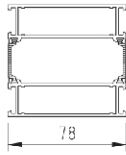
Frame profiles



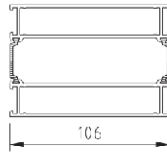
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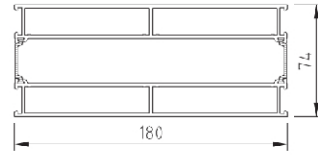
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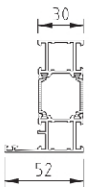
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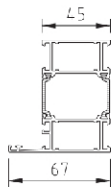
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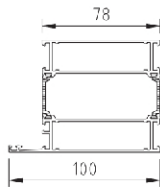
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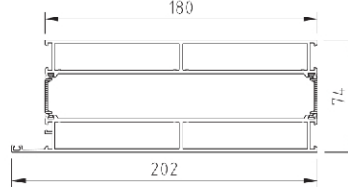
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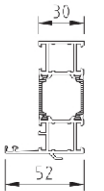
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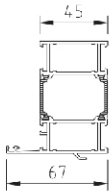
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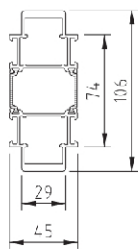
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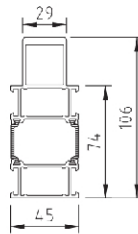
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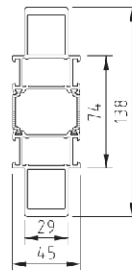
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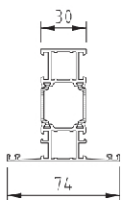


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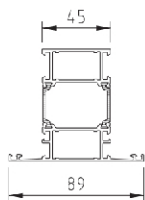


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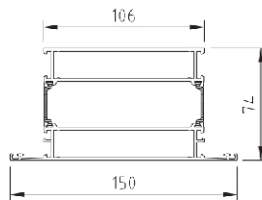
Cross-bar profiles



74201



74202

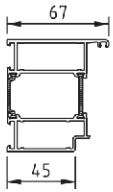


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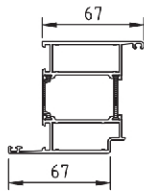
List of profiles

SFB 2074

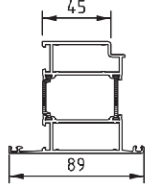
Door leaf profiles



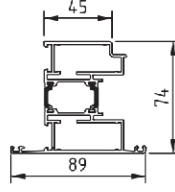
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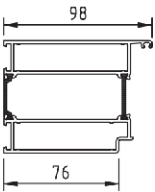
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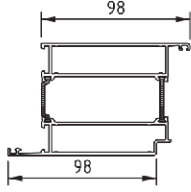
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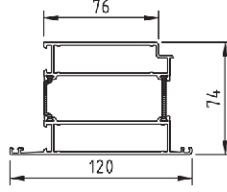
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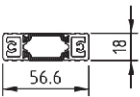


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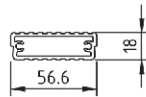


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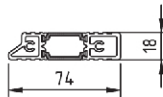
Threshold profiles



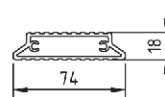
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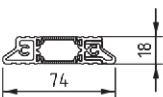
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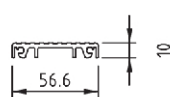
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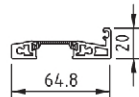
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74433 42713

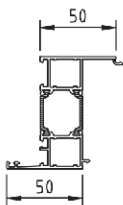


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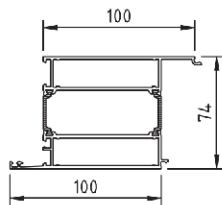


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Extension profiles

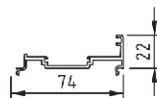


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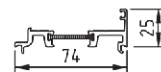


74435

Rebate profiles



42718



74517

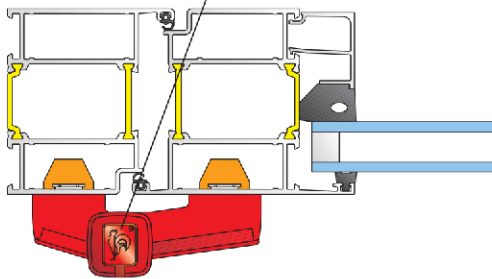
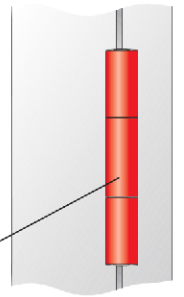
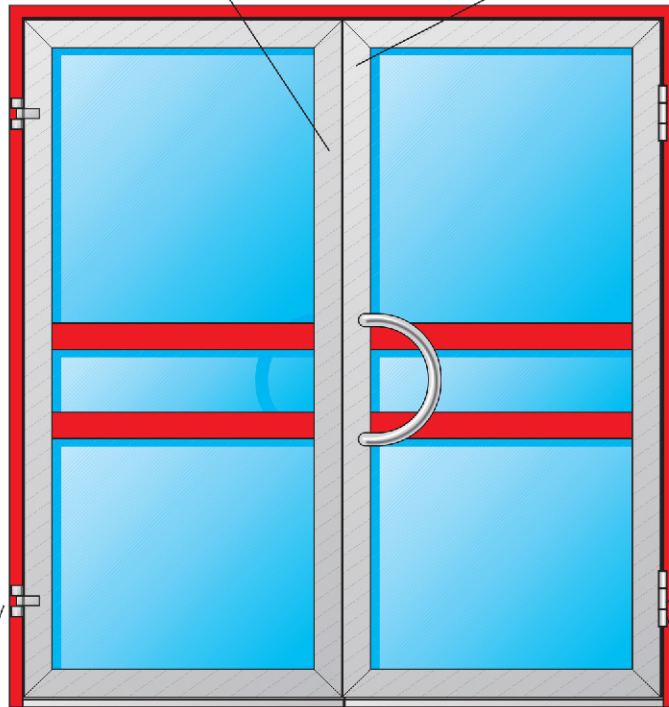
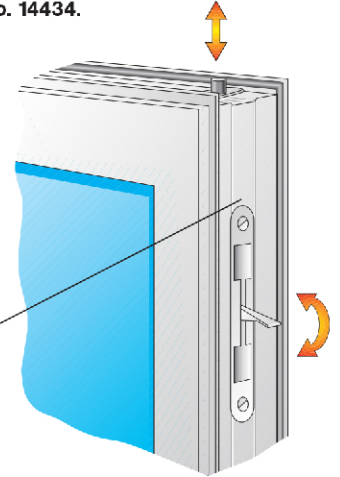
Fittings

SFB 2074 doors

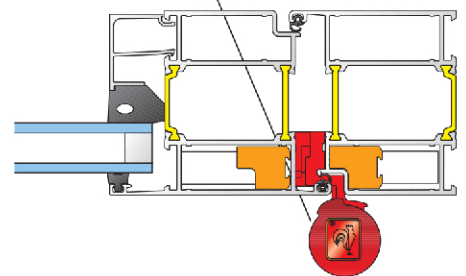


Double-action flush bolt for double-leaf doors.
Art. no. 14415 H, 14416 V.

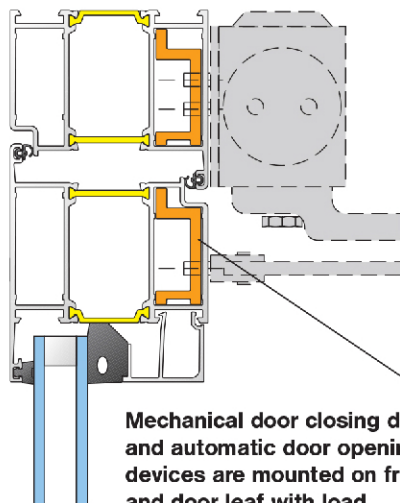
Single- and double-action flush bolts are installed centrally in the door profile with crew reinforcing fittings. Art. no. 14434.



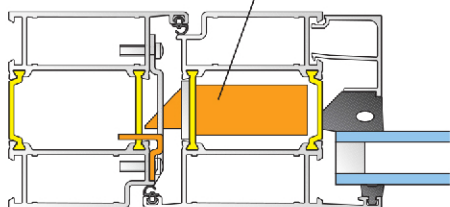
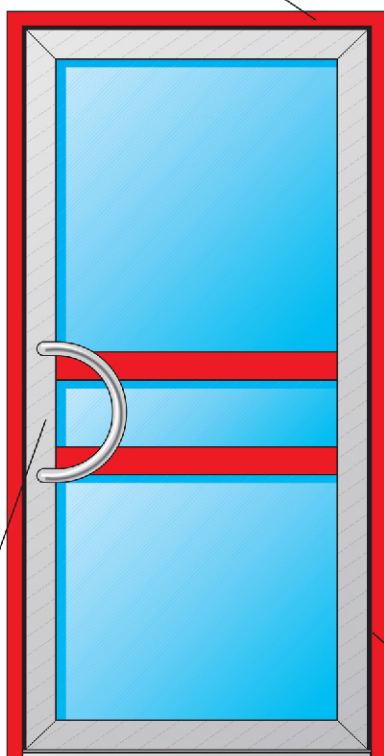
3-segment aluminium hinges with load distribution fittings in frame and door leaf.



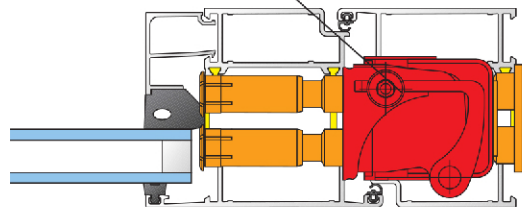
Lap butt aluminium hinges with load distribution fittings in frame and door leaf.



Mechanical door closing devices and automatic door opening devices are mounted on frame and door leaf with load distribution profiles.



Lock cases are installed centrally in the door profile with screw reinforcing fittings. Suitable stainless striking plates for mechanical locks and electrical striking plates are installed centrally in frame profiles with screw reinforcing fittings.



Hidden hinge, 2 pcs. per door leaf with load distribution fittings in frame and door leaf. Max. opening angle 100°.