

## AGILE 150/AGILE 150 SYNCRO

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### **General information**

22–23

### **Typical assemblies**

glass applications fixed  
at wall + to glass

24–27

### **Typical assemblies**

timber applications

28

### **Typical assemblies**

sets fixed at glass

30–31

### **Fitting modules**

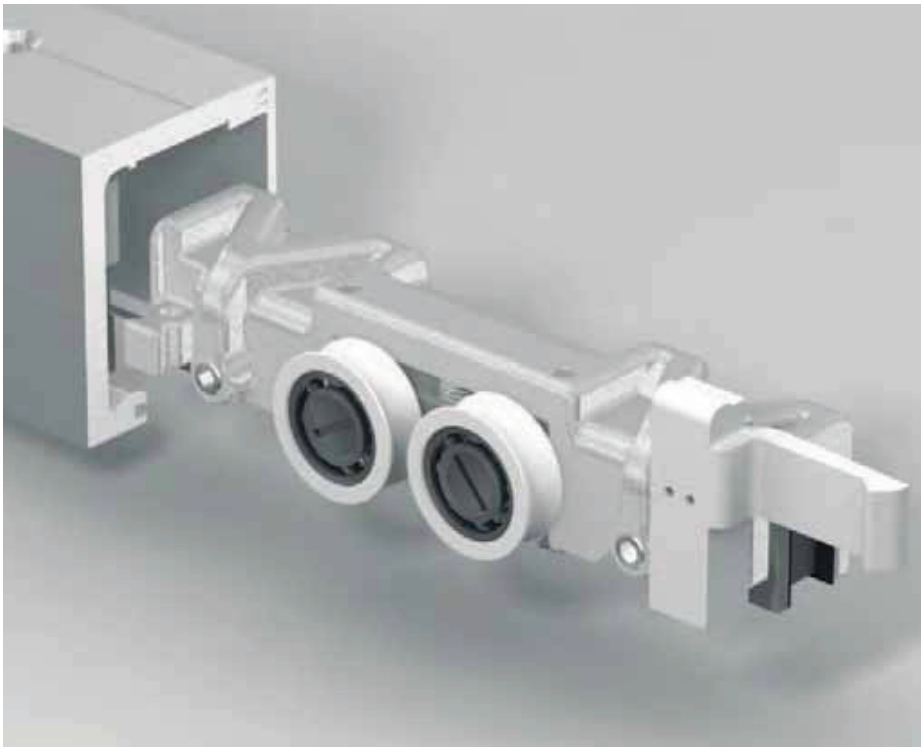
32–33

### **Component parts**

34–36

### **Accessories**

37–41 / 75–78





# AGILE 150/AGILE 150 SYNCRO TINY DIMENSIONS – TREMENDOUS BENEFITS

## Superb track geometry

Height 63 mm x width 54/58/72 mm (ceiling / wall / direct track / wall / side screen version) – these are the telling dimensions of the AGILE 150 sliding door system. Moreover, all the operational equipment has been integrated out of sight within the track section – despite its dainty size. The elegantly and intricately designed profile eliminates the need for the cover sections required by other systems. It can be surface-treated in all the well-known anodised finishes and RAL colours. Stability and torsional stiffness constitute further important properties inherent in the AGILE 150 track geometry.

## Minimal gap

The minimised dimensions of the track profile and integration of the complete operational equipment within its section automatically give rise to very small clearances between the glass and wall or glass / glass components. Depending on the fixing method, gaps from just 12 mm (13.5 mm glass thickness) to 18 mm (8 mm glass thickness) are typical.

## Sophisticated track roller technology

The AGILE 150 is able to meet a wide variety of customer requirements - up to and including their highest demands. Just two maintenance-free clamp-type carriers can support and transport glass panels of up to 150 kg. This is ensured by their special track roller technology, one which as well has proven successful over many years in applications involving horizontal sliding walls (DORMA HSW systems).

In terms of ease of operation, AGILE is able to satisfy the Class 3 criteria of EN 1527 – and that means a force equivalent to just 4 % max. of the door mass needs to be applied in order to overcome the initial friction and thus set the door in motion. So there is a guarantee that even large doors can be operated without undue effort.

Ease of operation acc. to EN 1527, Class 3 (example:)  
Glass pane height 3,000 mm  
width 1,400 mm  
thickn. 12 mm  
weight 128 kg

Allowed initial friction acc. to EN 1527: 51 N  
Reached initial friction with AGILE 150: 22 N.

## Reliable stop

The doors are, of course, gently decelerated as well as being reliably held in both their closed and opened states by specially developed catch-type buffers.

## Elegant floor guide

The AGILE floor track offers an impressive combination of effective functionality and attractive design. Its two-part construction means it is very easy to install, and its infinite adjustability between 8 and 13.5 mm ensures safe and secure guidance of the glass panels.

## One system – many solutions

The AGILE 150 offers versatility in the truest sense of the word. The system can be fixed at the wall, to the ceiling or along a lintel in either its single-panel or double-panel configuration, and with or without fixed side screens. It can also be installed with a glass overpanel. If preferred, a timber sliding panel can be used instead of the glass version.

## No glass preparation

With clamp-type fittings, the need to drill and cut the glass is eliminated. Based on wide-ranging glass fabrication expertise, the suspension mounting has been designed so that the panels can be safely retained by the clamping effect alone. Installation is simple and uncomplicated and the time required – including that for glass panel production – is reduced to a minimum. The variable clamp-type carriers are able – as standard – to engage glass thicknesses between 8 and 13.5 mm and are continuously adjustable. A further advantage of the clamp-type carrier: even after the installation of the glass panels, in situ vertical adjustment of +/-5 mm can be carried out as required.

## Long service life

The exceptional longevity of the system has also been proven in protracted tests involving more than 100,000 operating cycles (performed to DIN EN 1527). And you will also find that the AGILE 150 takes corrosion resistance to a new level. So there are no obstacles to its installation and use in humid areas. Due to chemicals (e. g. chlorine) that may occur in the air of swimming pools, saunas and brine baths the fittings are as a rule not suitable for use in such environments. If you have an application such as this in mind nevertheless, we will be pleased to advise you further.

## Convenient Syncro version

The AGILE system is also available in a „Syncro“ version. In this configuration, double-panelled sliding door sets open and close in counter direction when just one of the panels is operated. A virtually invisible and thoroughly proven cable and pulley return system ensures the long-term availability of this enhancement in operating convenience.

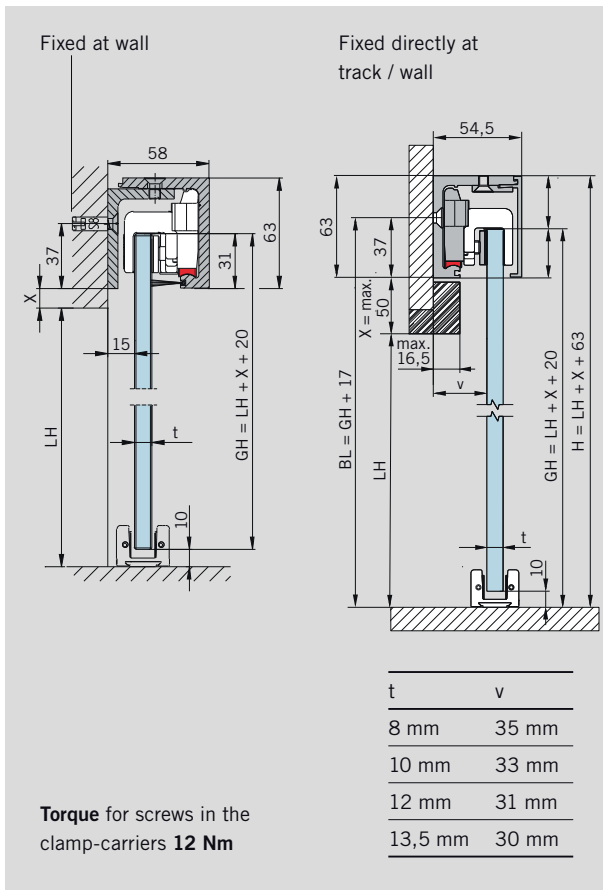
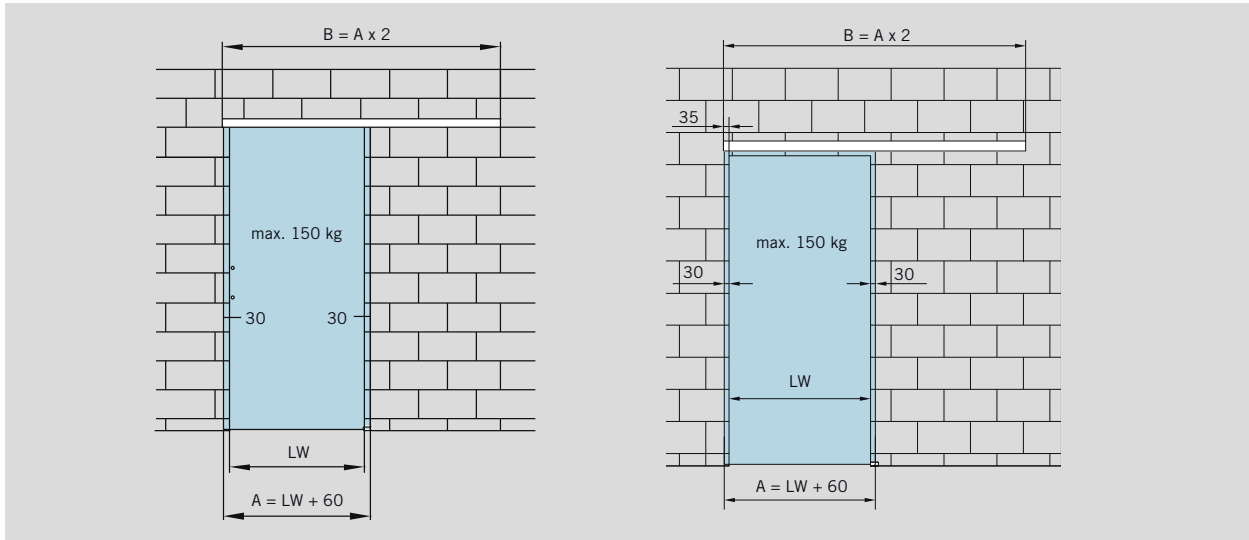
## Modular system

The inherent handling ease coupled with a thoroughly systematic approach will greatly facilitate your planning work when implementing the AGILE 150 concept. Several set solutions for different fixing situations are available, as are individually tailored configurations.



Floor guide

# TYPICAL ASSEMBLIES FIXED AT WALL OR DIRECTLY AT TRACK/WALL



**Features and Data**

**AGILE 150**

For installations with one or two door panels; fixed at wall or directly at track / wall; for 8–13.5 mm glass thickness, continuously adjustable

**Max. weight of door panels**

150 kg

- A = Glass width
- B = Length of track
- BL = Drilling line
- H = Total height
- GH = Glass height
- LH = Clear opening height
- LW = Clear opening width
- t = Glass thickness (8–13,5 mm)
- v = Distance wall to glass

**Calculation of glass height**

Fixed at wall:  
 $GH = LH + X + 20 \text{ mm}$

**Calculation of glass width**

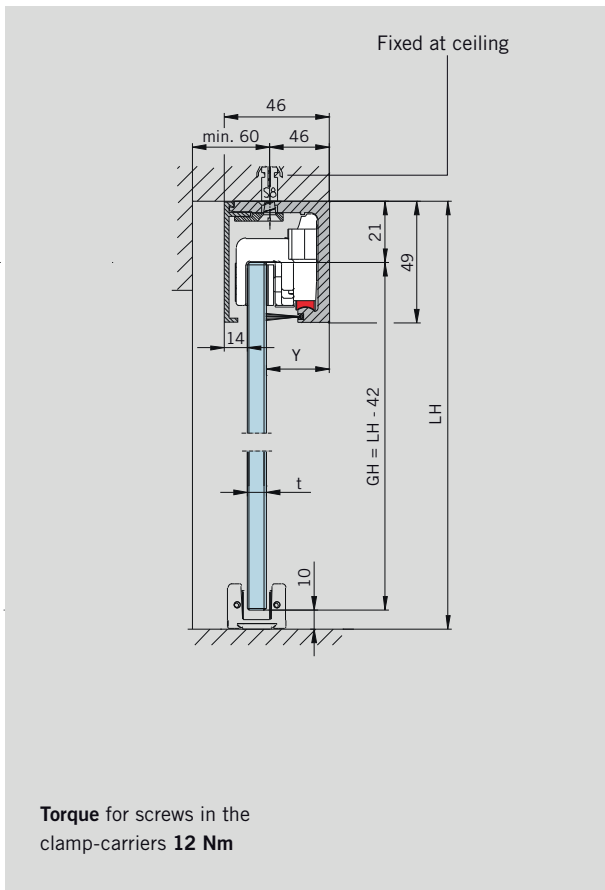
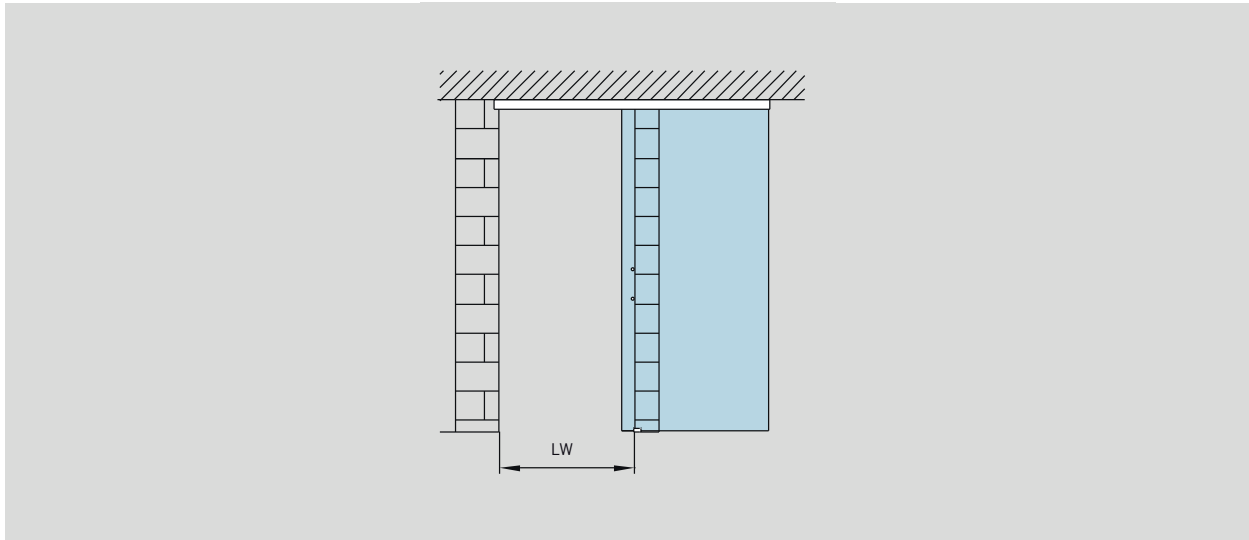
$A = LW + 60 \text{ mm}$   
 (min. 500 mm)

**Option:**

Lateral sealing to wall  
 see page 40

Track fixed at wall beyond a frame on request.

# TYPICAL ASSEMBLIES FIXED AT CEILING



### Features and Data

#### AGILE 150

For installations with one or two door panels; fixed at ceiling for 8–13.5 mm glass thickness, continuously adjustable

#### Max. weight of door panels

150 kg

### Calculation of glass height

Fixed at ceiling:

$$GH = LH - 42 \text{ mm}$$

(see drawing)

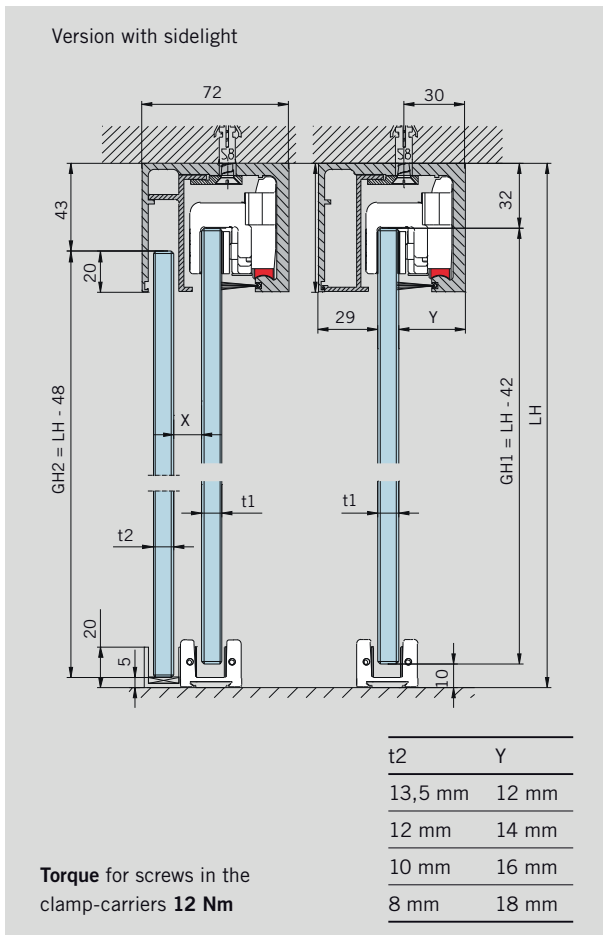
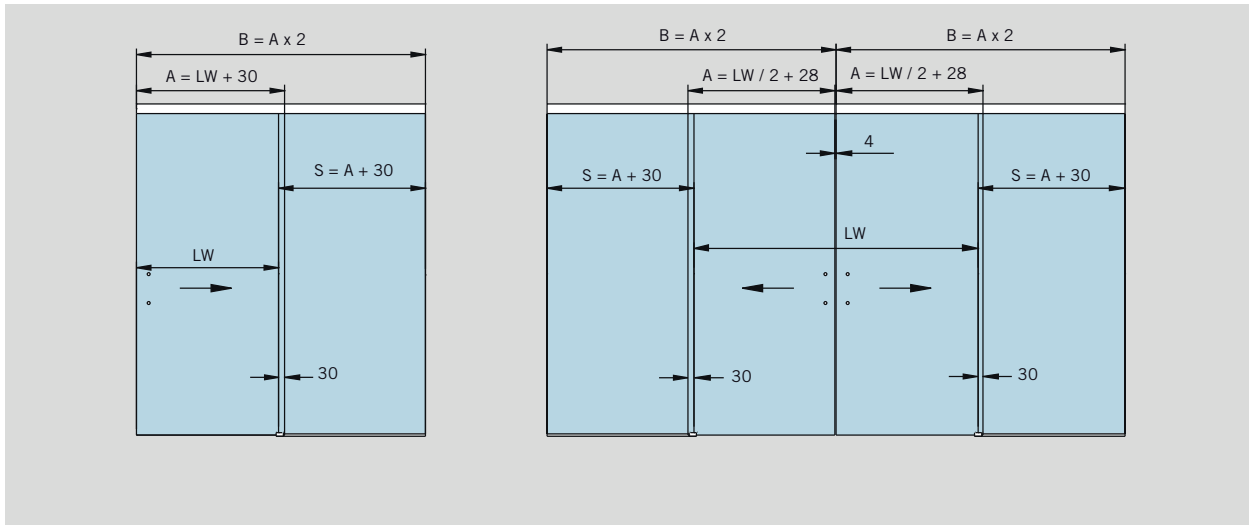
### Calculation of glass width

$$A = LW + 60 \text{ mm}$$

(min. 500 mm)

- A = Glass width
- B = Length of track
- GH = Glass height
- LH = Clear opening height
- LW = Clear opening width
- t = Glass thickness (8–13,5 mm)
- Y = 54 - (12 + t)

# TYPICAL ASSEMBLIES WITH ONE OR TWO DOOR PANELS, WITH SIDELIGHTS



**Features and Data**

**AGILE 150**

For installations with one or two door panels, with sidelights; for 8–13.5 mm glass thickness, continuously adjustable

**Max. weight of door panels**

150 kg

**Calculation of glass height**

Sliding panels:  
 $GH1 = LH - 42 \text{ mm}$   
 (see drawing right hand)

Sidelights:  
 $GH2 = LH - 48 \text{ mm}$   
 (see drawing left hand)

**Calculation of glass width**

Sliding panels:  
 $A = LW + 30$   
 $A = LW / 2 + 28$  (min. 500 mm)  
 (see drawing at the top)

Sidelights:  
 $S = A + 30 \text{ mm}$

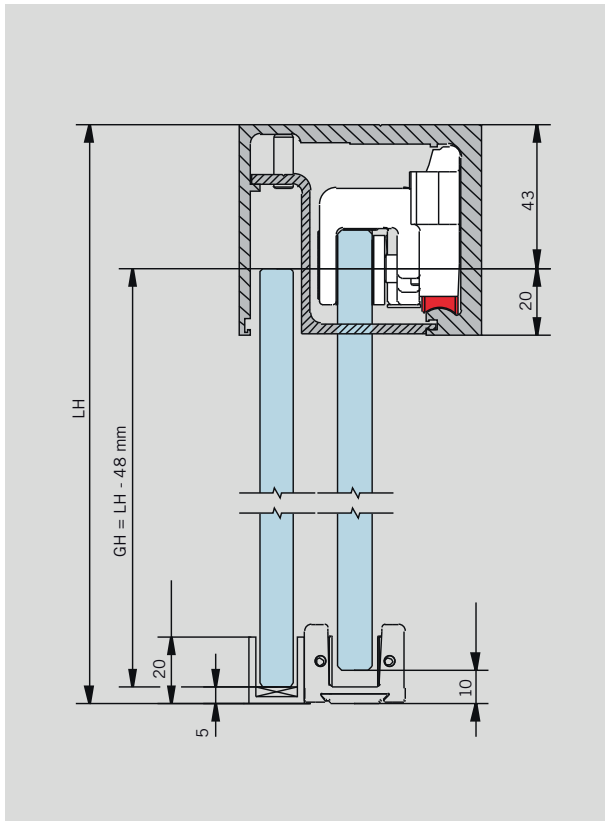
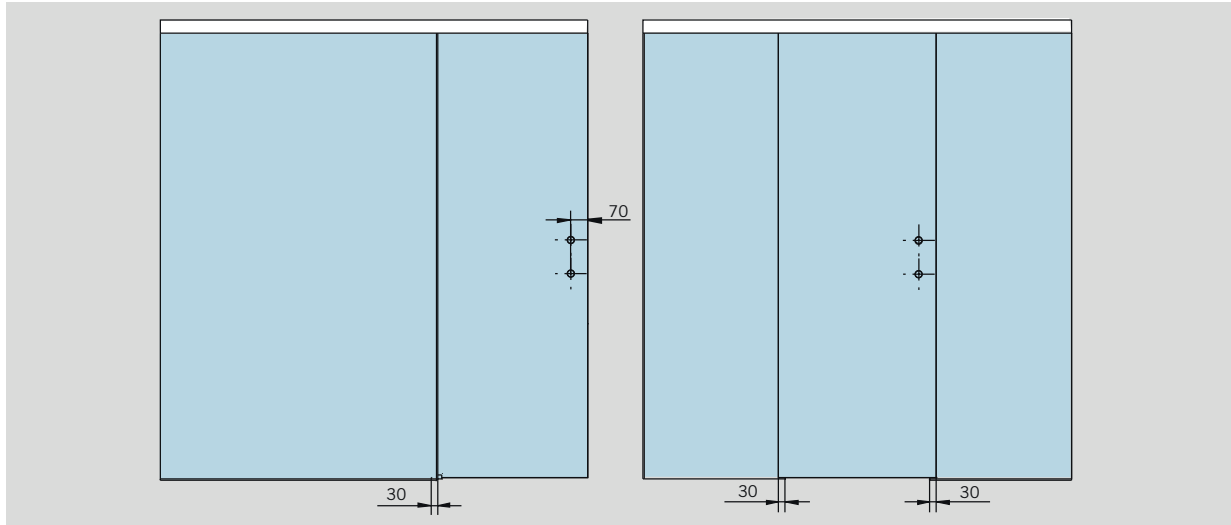
- A = Glass width
- B = Length of track
- GH1 = Glass height sliding door
- GH2 = Glass height sidelight
- LH = Clear opening height
- LW = Clear opening width
- S = Glass width sidelight
- t1 = Glass thickness sliding door
- t2 = Glass thickness sidelight
- Y =  $72 - (29 + t)$

**Option:**

Lateral sealing to wall  
 see page 40

Note: In order to maximise the protection afforded to the glass, we recommend that spacer 29.420 be fitted to sliding doors that move in opposite directions (see page 40).

# TYPICAL ASSEMBLIES FOR FIXED GLASS ELEMENTS ALIGNED WITH SIDELIGHTS



## Features and Data

### AGILE 150

#### Calculation of glass height for fixed panels

Sidelights:

$$GH = LH - 48 \text{ mm}$$

GH = Glass height

LH = Clear opening height