

# GOS<sup>®</sup>-S GIESSE OPEN SYSTEM-SLIDE

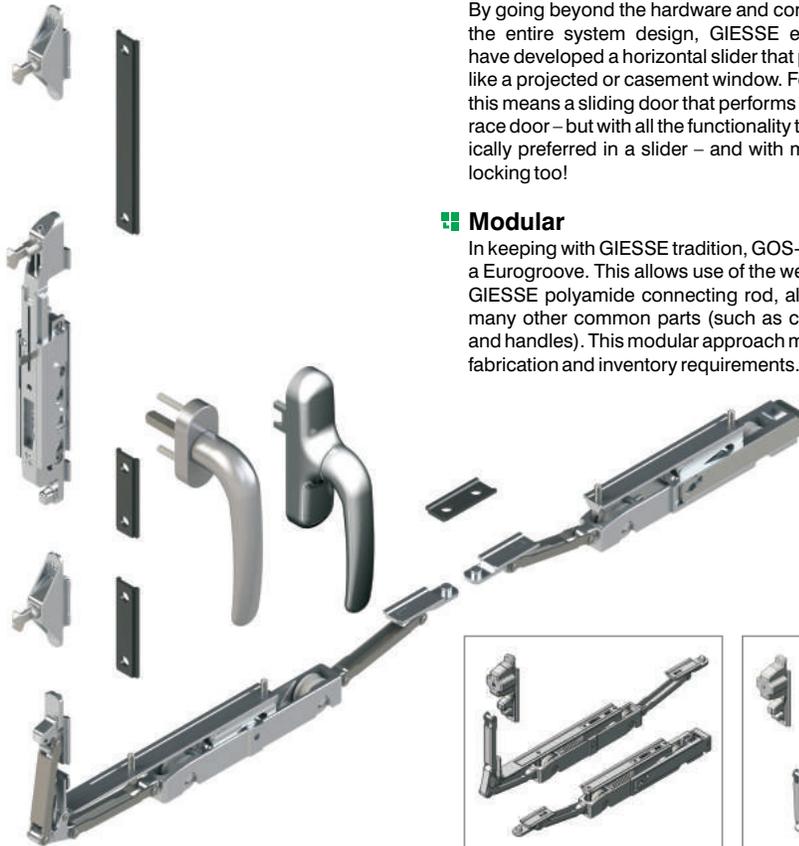
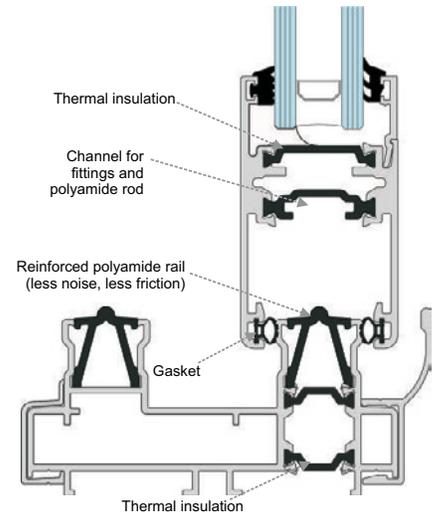
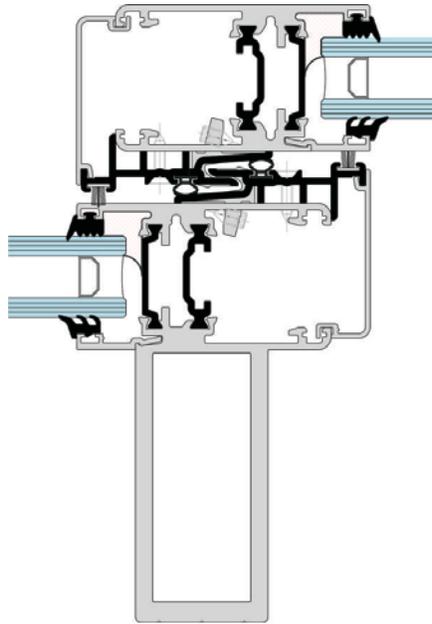
The sliding system with the high performance of a swing casement

## Performances

HORIZONTAL SLIDING	
AAMA RATING	AW60
TEST SIZE	123" x 95"
AIR INFILTRATION	<0.3 cfm/sf
WATER	no leakage at 15 psf
DESIGN PRESSURE	60 psf
UNIFORM LOAD STRUCTURAL	90 psf

## Standard Features

- ✓ Double slide
- ✓ Polyamide rail: less noise, less friction, more durability
- ✓ Standard multilocking
- ✓ Anti incorrect operation safety device (the pull handle close only when sash meets frame)
- ✓ Snap-in glazing beads
- ✓ Adjusting tandem rollers with stainless steel sealed bearings
- ✓ Lock and anti-burglar hardware class RC2 (tested in accordance with European law EN1627:2000)
- ✓ Removable sashes (also fixed ones)
- ✓ Reinforced upright
- ✓ Insect screens
- ✓ Cremona, Handle or Flat Handle Lever



### High performance

By going beyond the hardware and considering the entire system design, GIESSE engineers have developed a horizontal slider that performs like a projected or casement window. For doors, this means a sliding door that performs like a terrace door – but with all the functionality that is typically preferred in a slider – and with multipoint locking too!

### Modular

In keeping with GIESSE tradition, GOS-S utilizes a Eurogroove. This allows use of the well known GIESSE polyamide connecting rod, along with many other common parts (such as cremones and handles). This modular approach minimizes fabrication and inventory requirements.

### Simple and fast

All of the components are designed for simple fabrication and assembly. Using pre-punched connecting rods and the Eurogroove means the components are simply slid into place and fastened down with set screws.

### Flexible

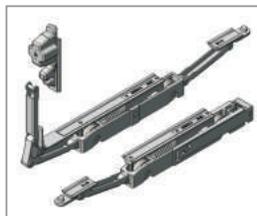
For projects requiring less performance, the system can accommodate brush gaskets and standard sliding hardware. As performance requirements increase, add the lift and slide mechanism and compression gaskets. For situations requiring the best thermal performance, use GOS-S with T-REX. A flexible system designed for many applications.

### Competitive

GOS-S combines the functional advantages of sliding windows and doors with the features of casement systems.

### Consistent aesthetics

The system utilizes standard GIESSE handles and Cremones. Windows and doors on the same project can be coordinated to provide consistent aesthetics and functionality.



Kit tandem rollers 2 wheels  
up to 440.925 lb (200 Kg)



Kit tandem rollers 1 wheel  
up to 198.416 lb (90 Kg)



PRIMA HANDLES  
0°-180° also with  
long grip 6.889 in (175 mm)



FLAT HANDLE  
LEVER 0°-180°

# T-REX<sup>®</sup> DEVICE FOR GOS<sup>®</sup>-S

A component so revolutionary, it may change the way you think of horizontal sliders

In typical horizontal sliding systems, heat is lost due to longitudinal thermal conduction at the meeting rail. This heat

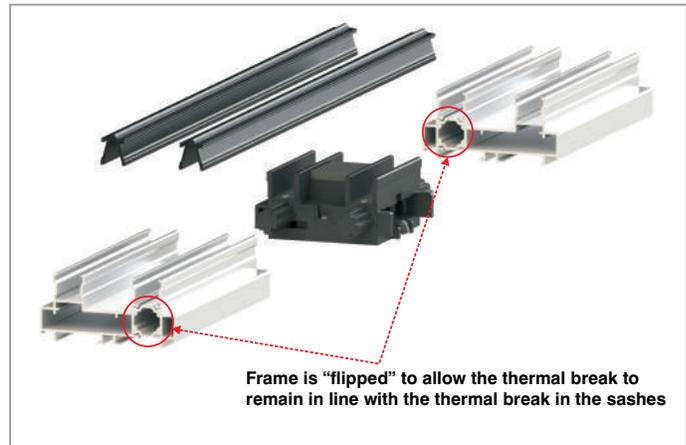
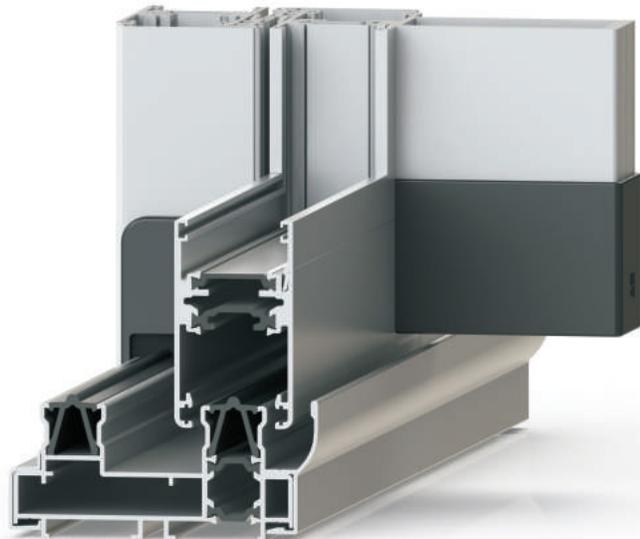
loss (which cannot be quantified using conventional 2D calculation systems) leads to a reduction in the thermal ef

iciency at this plane that is estimated to exceed 25%. Giesse T-REX substantially reduces this heat loss by keeping the

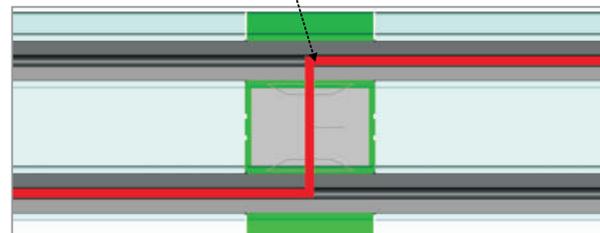
thermal break in the frame in the same plane as the thermal break in the sash. Being composed of thermally effi

cient polyamide, it also eliminates what has typically been the cold spot in most HS systems, thus significantly im

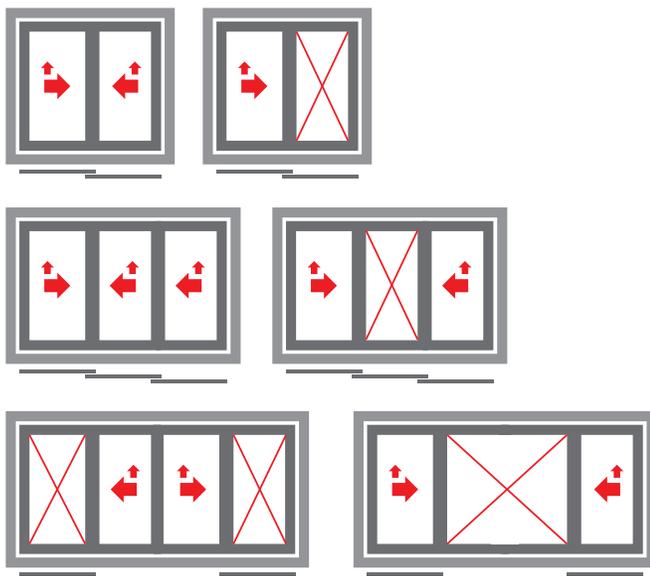
proving both the U-factor and CRF in the overall system.



The line of thermal insulation of the system utilizing T-REX



## Design Options



## Advantages

- **Thermal performance**  
 Reduces U value and improves CRF thanks to the elimination of longitudinal heat loss in the system.  
 Thermal transmittance:  $U_w = 1.78 \text{ W/m}^2\text{K}$   
 for a 2.00 x 2.18 m dood with  $U_g 1,000 \text{ W/m}^2\text{K}$  glass
- **Easy to fabricate and assemble**  
 Allows for square cut, symmetrical frame components at the head and sill. Only four screws required per joint.
- **Excellent water drainage**  
 Includes a sophisticated weep system, with a flow of more than 2,113US gal lqd (8 liters per minute), eliminating the need for any mechanical operations in the profile. Weep covers are included to prevent water infiltration under negative wind loads

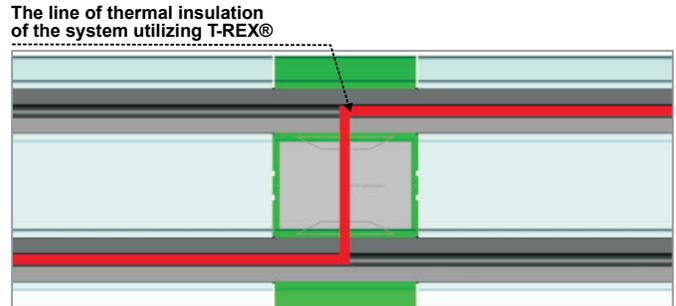
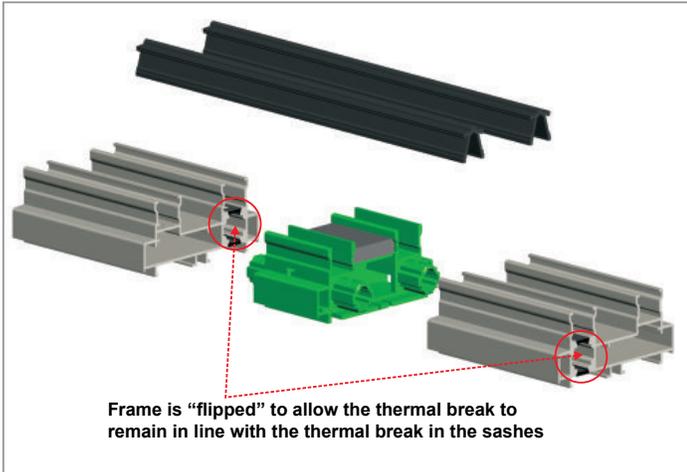
### Thermal Performance

Applied to a GOS-System, the Giesse T-Rex joint can be used to achieve and surpass the performances required for Energy Star qualifications. Results vary based on the overall configuration of the fixture and, above all, based on the type of glass used. Maximum glass thickness is of 0.984 in (25 mm) on a 1.772 in (45 mm) wing.

# T-REX<sup>®</sup> DEVICE FOR GOS-S<sup>™</sup>

## A component so revolutionary, it may change the way you think of horizontal sliders

In typical horizontal sliding systems, heat is lost due to longitudinal thermal conduction at the meeting rail. This heat loss (which cannot be quantified using conventional 2D calculation systems) leads to a reduction in efficiency at this plane that is estimated to exceed 25%. Giesse T-REX<sup>®</sup> substantially reduces this heat loss keeping the thermal break in the frame in the same plane as the thermal break in the sashes. Being composed thermally efficient polyamide, it also eliminates what has typically been the cold spot in most HS significantly improving both the U-factor and CRF in the overall system.



### Advantages

#### Thermal performance

Reduces U value and improves CRF thanks to the elimination of longitudinal heat loss in the system.

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#### Easy to fabricate and assemble

Allows for square cut, symmetrical frame components at the head and sill. Only four screws required per joint.

#### Excellent water drainage

Includes a sophisticated weep system, with a flow of more than 2 gallons (8 liters) per minute, eliminating the need for any mechanical operations in the profile. Weep covers are included to prevent water infiltration under negative wind loads.

#### Compatible with GOS-S

Thanks to the particular shape of the profiles, Giesse T-REX<sup>®</sup> offers excellent results when combined with GOS-S.

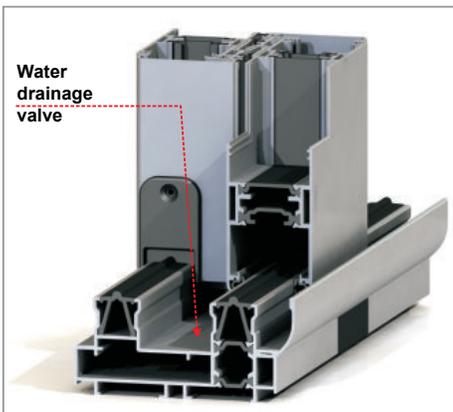
#### Air and water performance

##### Air infiltration

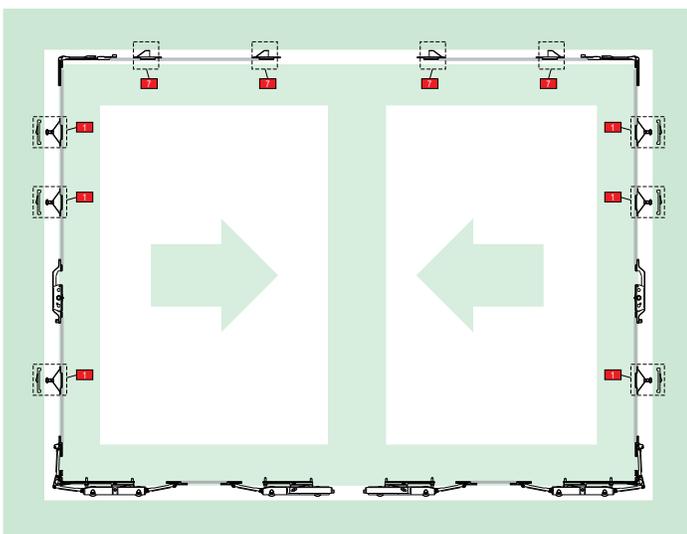
Per AAMA Standards

##### Water performance: 15 psf

When tested in accordance with ASTM E 331



The T-REX<sup>®</sup> system incorporates drainage valves to weep water that accumulates within the system, eliminating fabrication and components needed in the sill of other systems. The drainage valves are hooded and designed to eliminate up to 2 gallons (8 liters) of water per minute.



### Example of one Configuration

#### Description

Sliding door with two active panels

#### Potential locking points

- 1 Adjustable lock + frame keeper
- 7 Security device