

HAUTAU ATRIUM® HS

# lift and slide

Strong, secure, easy.



Fitting technology

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A first-rate lift and slide system  
**HAUTAU ATRIUM® HS**



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**High load**

An open view and broad horizons – the ATRIUM® HS 300 lift and slide fitting gives you both. Even with panel widths of 13 metres, its ability to carry load allows opening widths of over 6.50 m – with no upright posts obstructing the way (Configuration C). This makes the system suitable for all standard lift and slide windows, whether they are made of wood, PVC or aluminium.

**Characteristically barrier-free and easy to operate**

The ATRIUM® HS system is compatible with other HAUTAU products, which can therefore be combined very efficiently with the lift and slide system. For example, the ThermoTop® threshold can be used to create a barrier-free access thanks to a low running rail. The HS espag damper ensures the handle is easy to operate and the ATRIUM® comfort close system brakes the sash gently and draws it automatically into the closed position.

**Secure ventilation and locking**

The ATRIUM® HS 300 lift and slide system provides practical night ventilation. To allow this, the espag can be fitted with profile cylinders in the standard design. Burglary protection can be enhanced even further with HS safe® because it prevents the closed sash from being lifted.

**Quick and easy to install**

Quick and easy installation is a trademark of the ATRIUM® HS lift and slide system. Slide-on running rails, easy-to-use frame corner fastenings and pre-assembled thresholds speed up and simplify the installation of the bogies and espags.

**Smooth running and clean ...**

The bogies are well-protected against corrosion and fitted with cleaning brushes. This ensures that the running track cleans itself each time the sash is opened or closed and the rollers are protected against dirt and long-term damage. The ATRIUM® HS lift and slide fitting makes optimum use of the leverage force from the espag and bogie when opened and closed, guaranteeing a smooth glide for many years ...

Lift & slide  
with HAUTAU ATRIUM® HS



**ATRIUM® HS 200**    
for all standard panels

Sash weight:	max. 200 kg
Sash width:	650–2360 mm
Sash height:	1200–2700 mm
Backset:	27.5 mm

**ATRIUM® HS 300**     
for greater weights

Sash weight:	max. 300 kg
Sash width:	720–3235 mm
Sash height:	1200–3300 mm
Backset:	37.5 mm

**ATRIUM® HS 400**      
for XXL lift and slide panels

Sash weight:	max. 400 kg
Sash width:	720–3235 mm
Sash height:	1200–3300 mm
Backset:	37.5 mm



**ATRIUM® HS 250 slim**     
for extra-slim profile face widths...

Sash weight:	max. 250 kg
Sash width:	650–2360 mm
Sash height:	1200–2700 mm
Backset:	27.5 mm

**ATRIUM® HS 400 slim**      
... for greater weights

Sash weight:	max. 400 kg
Sash width:	1120–3235 mm
Sash height:	1200–2700 mm
Backset:	3300 mm with extension 37.5 mm



**ATRIUM® HS 120**   
for light lift and slide panels

Sash weight:	max. 120 kg
Sash width:	650–2000 mm
Sash height:	1200–2400 mm
Backset:	25 mm

# HAUTAU slide systems – easier and lighter

Window slide systems from HAUTAU offer barrier-free, threshold-free convenience. New features ensure light and safe operation of large window panels and are integrated into every project to fulfil the user's special requirements.

Small details – great effect

The **HAUTAU ATRIUM® HS espag damper** ensures the handle is easy to operate



Optimum slide performance

The **HAUTAU ATRIUM® HS height-adjustable bogie** can be simply adjusted from the middle joint section



More security

**HAUTAU ATRIUM® HS safe** makes it almost impossible to prise the panel up



Gentle and precise

**HAUTAU ATRIUM® comfort close** the automatic window-close system



NEW

## lift & slide fitting for extra-slim profiles

Large panels – extensive glass – slim profile - flood rooms with light while meeting all design requirements. HAUTAU fittings for lift and slide solutions can move sashes weighing up to 400 kg in slim profiles. Designers and system providers in the metal construction sector seek precise technology for slim profiles which offer the same functions as for standard profiles. Low threshold glazing with minimum sight-line obstruction is frequently desired in wood window structures. A low installation height is required in such cases to maintain the overall look.

The new HS slim lift and slide fitting delivers exacting technology. It easily moves heavy panels with slim profiles weighing up to 250 kg, or even 400 kg in a tandem design, into a precise position. The new tilting train technology ensures perfectly smooth running despite the narrower bogies. With its oscillating bearing, the bogie counterbalances load on the centre of gravity, guaranteeing easy, long and safe sliding, which is a pleasure to experience. The ATRIUM® HS slim offers the perfect solution for a wide range of weight requirements. No more and no less. Like all HAUTAU products, this fitting also stands out due to its quality and convenience during its installation and its subsequent use.



**HS 120****Lift & slide fitting  
for lighter weights**

The HAUTAU ATRIUM® HS 120 (up to 120 kg sash weight) for use with light lift and slide panels is a welcome addition to the lift and slide portfolio. The shallow installation depth of fitting components allows profiles with reduced facing widths to be used, thus satisfying architectural requirements. The smooth-operating gear mechanism ensures that standard window handles can be used. This means the fitting is ideal for universal use and can be prepared and installed at an optimised cost.

The HS 120 is suitable for wood, PVC or aluminium. The fitting is ideal for universal use.

**HS 200, HS 300 and HS 400****Lift and slide fitting for  
all-round use**

The flexible lift and slide system for individual requirements lifts and slides light panels with slim profiles just as precisely as it does XXL panels up to 300 kg. Tandem configurations can even manage up to 400 kg. With a huge range of product features, the lift and slide fitting can be configured to suit any requirement - at the time of installation or in the future. Barrier-free access is achieved with the HAUTAU ATRIUM HS ThermoTop® threshold thanks to the low running rail. The anti-lift properties of the ATRIUM® HS safe provide more security and burglary protection. Heavy panels are gently and precisely operated with the ATRIUM® comfort. The comfort and ease of operation are immediately appreciated. Fitting technology that meets modern thermal efficiency requirements with a highly thermally insulated threshold.

For light to XXL-slide windows and doors made from wood, PVC or aluminium. Solutions for various panel sizes and weights.



HS ThermoTop®

# The highly thermally insulated threshold

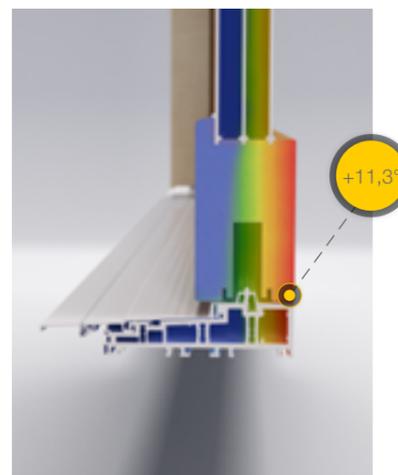
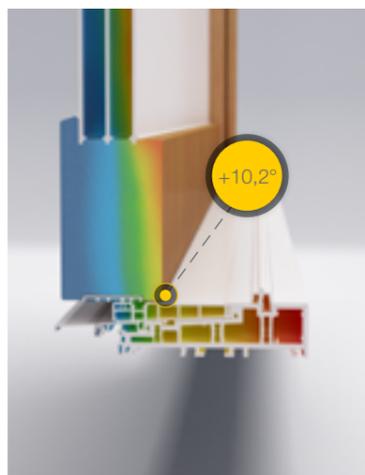
The highly thermally insulated threshold for lift and slide panels in wood or PVC with ATRIUM HS® fitting systems.

### Thermal perfection without condensation build-up

The ThermoTop® threshold delivers optimum isothermal gradients not just on the sliding sash, but also on the fixed section. Cold bridges cannot form, even when the outdoor temperature falls to  $-15^{\circ}\text{C}$ , because the surface temperature measured directly on the threshold is still above  $10^{\circ}\text{C}$  in these conditions. Running well within the sash, the  $9.3^{\circ}$  line (condensation line) ensures a 'warm' inner surface on the sash as well as on the fixed section. The U-value of the threshold is  $0.77 \text{ W/m}^2\text{K}$ .

Fixed section: Uf-value  $1.29 \text{ W/m}^2\text{K}$   
in combination with timber sashes

Slide sash: Uf-value  $1.43 \text{ W/m}^2\text{K}$   
in combination with timber sashes



-15°

+20°



### Elegant look and barrier freedom

The visible exterior surfaces on the ThermoTop® threshold are covered with detachable aluminium sections. On request, a low running rail can be used to make the threshold a barrier-free access.

### Future oriented and energy saving

A modular design allows the ThermoTop® threshold to be very effectively adjusted to greater installation depths, thus ensuring it is eminently suitable for optimally heat-insulated profile systems. The threshold can therefore make an important contribution to reducing heating costs.

### Easy processing and installation

The main body is trimmed to the exact size with minimum tool wear and very little effort. The integrated seal system enables add-on profiles to be easily clicked into the installation grooves. The jamb is fitted using optimally matched frame corner fastenings.

### Material: high-end-Technology

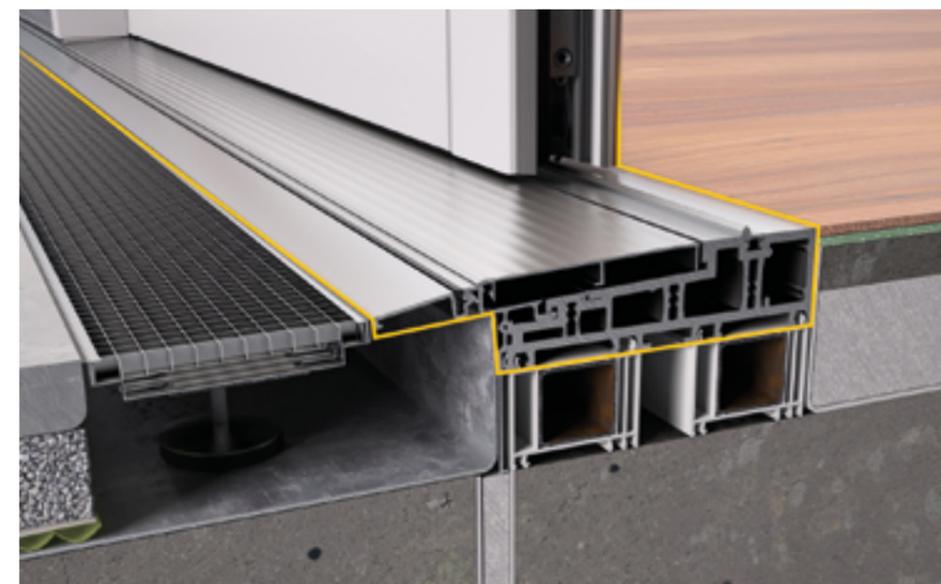
A revolutionary material mix ensures minimum longitudinal expansion of the threshold. Distortion due to temperature fluctuations is therefore prevented and the element will continue to work perfectly.



**The easy-to-cross threshold – barrier-free and slip-proof.**

Private or public buildings must offer all types of users the same ease and convenience. The new HAUTAU ThermoTop® komfort threshold adds an extra degree of ease and convenience to the lift and slide door. Barrier-free and with a slip-resistant step guard, the door allows users to pass through safely and effortlessly. Here as well, an innovative material mix provides lasting quality, perfect functioning at all times and an impressive entrance.

**Barrier-free  
and slip-proof**



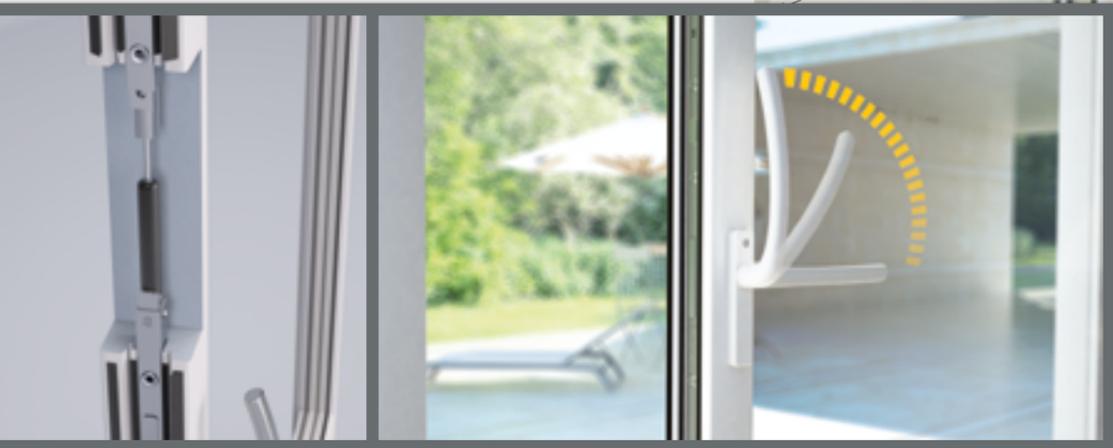
**ADVANTAGES AT A GLANCE:**

- 1 Slip-resistant step guard profile
- 2 Projection-free transition from inside to outside
- 3 Optimum thermal insulation with an outstanding Uf-value
- 4 Simple and quick preparation and installation of the threshold
- 5 Suitable for all standard frame widths
- 6 Speedy and straightforward installation
- 7 Using preprepared profiles requires no additional preparation work during installation

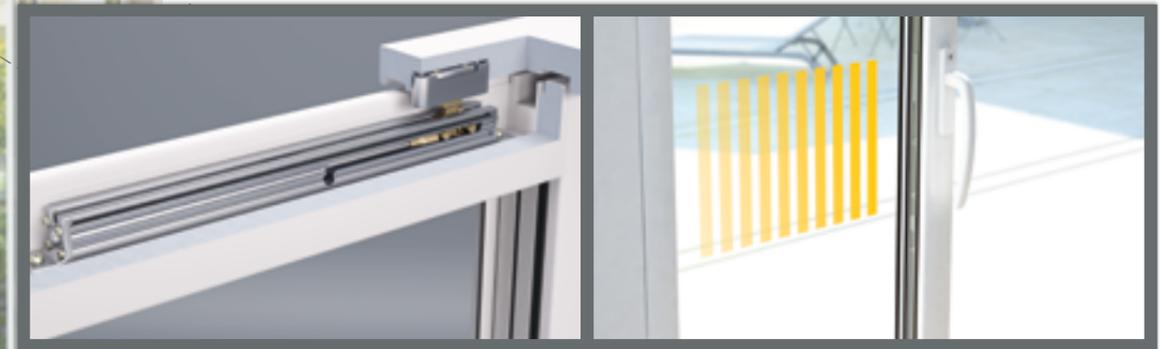
HS gear damper

Surprisingly original:  
details which please...

HAUTAU ATRIUM® HS is a product line with pioneering technical innovations for lift and slide systems. The HAUTAU HS gear damper is a newly developed product and international highlight of this range. It regulates handle operation, so that the handle smoothly slides precisely back into its locked position in a controlled way almost of its own accord.



comfort close



If you are looking for a gentle, precise solution, the HAUTAU ATRIUM® comfort close system is the champion among automatic window locking systems, offering reliability and convenience.

All it requires is a gentle push for precise, airtight closure even with heavy lift and slide or slide-only systems. At a hand width away from the closing edge, the sash brakes gently and is automatically drawn into the closed position safely, securely, easily and comfortably.

The HAUTAU ATRIUM® comfort close system can be fitted into almost any lift and slide or slide-only systems irrespective of the frame material. Thanks to the system's slim design. A surface-mounted version ensures the system can also be retrofit at a later date.

Manufacturers and developers benefit from this added value. HAUTAU high tech defines leading standards and is synonymous with a long-lasting quality service life and features which enthrall.

## For more security

Windows with high burglary protection make a crucial contribution to increasing safety within your own four walls. HS safe® was designed as an addition to the ATRIUM® HS lift and slide portfolio and can be used with components made from wood, PVC or aluminium.

Two slide-out bolts are extended via the special connection to the hinge corner drive when the sash is lowered. The air gap is virtually reduced to zero so that prying up the closed sash is almost impossible.

### ADVANTAGES AT A GLANCE:

- 1 Increased anti-lift protection
- 2 Compatible with all ATRIUM® HS fittings
- 3 Certified classification: RC 2-3 as per DIN EN 1627 and SKG-certified (depending on the overall system)



Even heavy slide sashes can be quickly and easily set up with the height-adjustable HS bogie. You need just one single tool to adjust the rear bogie from the easily accessible middle joint section, without the need to remove the sash.



## Made in Germany

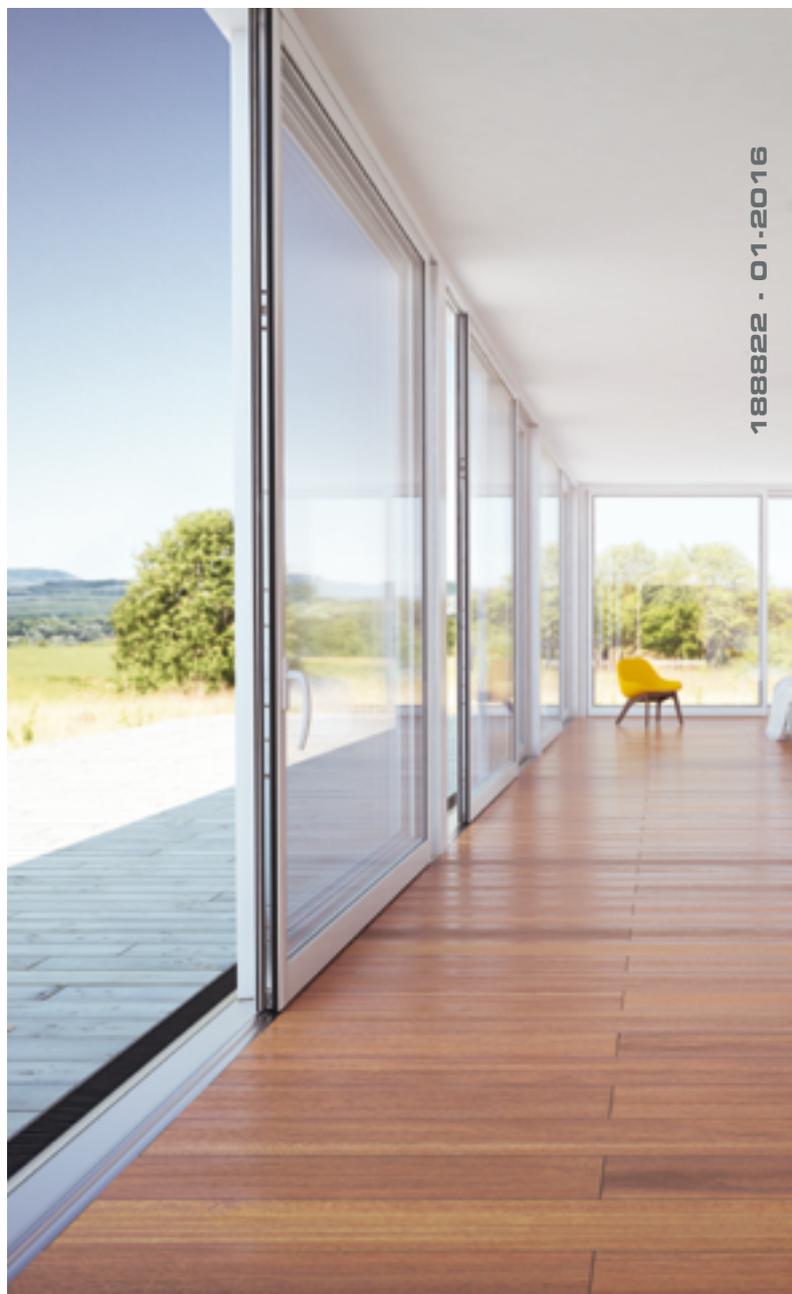
Based on experience, creativity and up-to-date expertise, HAUTAU's engineering skills set benchmarks worldwide and define technical standards for perfection in fitting systems and building automation for windows and façades.

“Made in Germany” also means that manufacturers, customers and partners all benefit from a single perfect service. You can count on expertise, friendly customer care and hassle-free handling of all matters which you ask us to deal with.



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**You know when it's HAUTAU.**