

# aluPilot

The efficient fitting system for aluminium windows



## Window production with a vision

### Reducing costs through efficient installation

Winkhaus' innovative aluPilot fitting system saves up to 10 minutes in the production of an aluminium window, thus significantly reducing production costs. This makes it possible to insert components into the fitting groove of the sash frame from the front, for example. This eliminates upstream work processes such as punching and cutting connecting rods to

length. The fitting concept offers many more advantages beyond this. No matter whether it's used as a concealed fitting or a fitting with a surface-mounted hinge side, the aluPilot saves time and money thanks to efficient handling.



### More handling advantages



#### Eliminates preliminary processing

Sash components are connected to one another by drive rods which are available in seven fixed lengths. This eliminates preliminary work steps such as punching and cutting connecting rods to length.



#### Tool concept

Two screw drives and an installation lever are all that's needed to install and adjust the components. Cost-intensive punching tools for sash corners are not required.



#### Innovative design

All fitting components are installed in the fitting groove of the sash frame or window frame from the front. This eliminates the need to punch out the sash groove.



#### Lower number of components

Pre-installed components reduce the number of parts in a set of fittings by up to 25 %. This noticeably reduces the amount of handling effort during installation.



#### Easily upgradable

The fitting can be made suitable for resistance class RC2 with a few additional measures. Further upgrade to RC3-compliant windows only takes one additional component.



#### Quick installation

The effort needed to produce a standard window is reduced by up to 10 minutes. This reduces the production costs of the entire window.





## One system, a wide range of solutions.

The aluPilot product world



The aluPilot system offers all conventional solutions for aluminium windows. Whether surface-mounted, concealed or with heavy duty hinge: Our system solutions are tailored to your requirements.

### 1 aluPilot Concept

Universal, reliable, efficient: the surface-mounted hinge in visually appealing design. Available in different colours. Suitable for sashes weighing up to 130 kg.



For a clear, aesthetic window design. With a completely concealed hinge that is invisible when the window is closed. Sashes weighing up to 180 kg are possible with this system regardless of the profile geometry.

### 2 aluPilot Topstar

Even heavy-weights can be visually appealing: the surface-mounted heavy duty hinge is specially designed for sashes weighing up to 300 kg.

By the way: With aluPilot Control, we also offer a solution for special security requirements. A complete product overview is available on the back page.



## We have design in hand

The new plug-in handle range

Puristic, aesthetic and high-quality: the new aluPilot window handles from Winkhaus. With the simple style of the design classic from the 1920s, guaranteed to suit every taste and any aluminium window.

### Fits comfortably in the hand

Quality becomes literally tangible on the handle. Winkhaus handles are pleasant to touch and fit comfortably in the hand. Whether opening, closing or tilting: You can feel and hear the window locking securely in the relevant position. It also prevents unwanted slanted positioning of the handle. The small round rose of the handle gives the window an elegant, timeless look.

### Installation by click

The new plug-in handles are extremely easy to install. An adapter on the mortice drive establishes the connection to the round rose of the handle. It locks in place with a click.

### Flexible thanks to different versions

The handle is available in three versions and four surface designs. Of course, we also have other handle solutions in our product range in addition to the new handle.

#### The three versions:

- Standard for turn-tilt windows
- Lockable for burglary-resistant windows
- With lock for tilt-before-turn windows

#### The surface designs:

- Anodised natural aluminium EV1
- Anodised stainless steel look
- Powder-coated similar to RAL 9006 white aluminium
- Powder-coated similar to RAL 9016 traffic white



- 1 Anodised natural aluminium EV1
- 2 Anodised stainless steel look
- 3 Powder-coated similar to RAL 9006 white aluminium
- 4 Powder-coated similar to RAL 9016 traffic white

# Windows, an idea further

## Special solutions for buildings

Modern architecture likes to move away from traditional dimensions, shapes and colours. It is always looking for new options, means of expression and qualities. At Winkhaus, we accompany these ideas. We know that windows and façades have to deliver in terms of function. This is why we offer a wide range of products and develop completely unique solutions for your project where necessary, whether as an adaptation or an individual design.

Talk to us if you need special building solutions. We are by your side as a strong partner from the design, right through to implementation.

## Overview of all advantages

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	aluPilot Topstar	aluPilot Concept
Concealed fitting	✓	
Surface-mounted fitting		✓
Sash weight	up to 180 kg	up to 130 kg
Sash height turn-tilt windows	520 - 2835 mm	520 - 2835 mm
Sash width tilt and turn window	500 - 1635 mm	500 - 1635 mm
Endurance tested according to EN 13126-8 and EN 1191	yes	yes
Burglary resistance EN 1627-1630 - class RC2/RC3	yes	yes
For turn-tilt, tilt before turn, turn, tilt and double-sash windows	yes	yes

	aluPilot Giant
Surface-mounted fitting for heavy windows	✓
Sash weights turn-tilt windows	up to 200 kg
Sash weights turn windows	up to 300 kg

	aluPilot Control
Combined open and closed monitoring VdS-class C	yes
Combined open and closed monitoring VdS-class B	yes
Open monitoring VdS-class B	yes

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