

## proPilot

The compact turn-tilt fitting.



in  
windows

## The economical fitting solution.

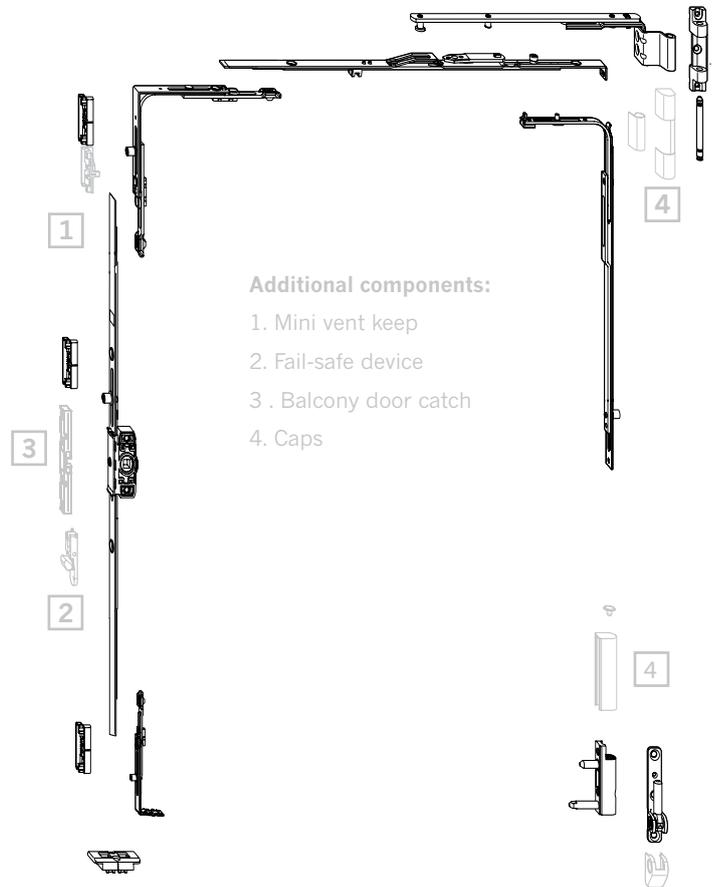
The Winkhaus proPilot fitting system has particularly been developed to suit economical requirements of dynamic markets. The Winkhaus brand fitting has been certified to QM 328 (ift conformity certificate) and has been approved to DIN EN 13126-8 (endurance test for turn and turn-tilt fittings) and DIN EN 1191 (endurance test for windows and doors).

The complete modular system consists of about 120 components, enabling the efficient production of rectangular turn/turn-tilt and French windows. As a fail-safe device, mini vent keep and balcony door catch can easily be retrofitted to the proPilot fitting, you can flexibly respond to your customers' requests. Thus proPilot meets individual requirements.

The unique window handle attachment enables smooth and reliable running of the gear case made of high-strength plastic, for which a patent application has been filed.

Due to the well-proven trimming technique and simple inter-linking of the fitting parts, installation can quickly and easily be carried out.

For special applications, e.g. studio and security windows, we recommend to use the activPilot fitting.



### Winkhaus Plus

#### Arguments for dealers and window manufacturers

- + Excellent dealer program including only 120 components for the complete product range
- + Economical modular system with 40 to 45 components for the window manufacturer
- + Low costs due to optimising stock, logistics, administration and planning
- + Minimises capital that is tied up
- + Easy and quick assembly of rectangular windows

#### Arguments for final customers

- + German quality product
- + Smooth locking mechanism for tight windows
- + Additional features, such as fail-safe device, mini vent keep and balcony door catch
- + Sash lifter as standard

## Ingenious down to the smallest detail.

With the proPilot fitting system for turn and turn-tilt windows, Winkhaus is offering a cost-effective fitting solution for rectangular windows with PVC or aluminium profiles having a 16 mm fitting groove. proPilot's standard equipment includes all 3D adjustment options, a sash lifter and high-quality plastic components. These features ensure the function and smooth running of the proPilot fitting throughout a window's life.



### Modular design

- + Only approx. 120 components for the complete product range
- + Only one shear size for sash rebate widths of up to 1,050 mm
- + Identical interlocking rod hinge side and horizontally at the bottom
- + Only one corner drive



### Locking point

- + Adjustment of contact pressure  $\pm 0.8$  mm
- + Air gap of 9.5 mm to 15 mm
- + Only one locking element
- + Tilt locking action with integrated sash lifter
- + Only one tilt locking device for single and double-sash windows



### Hinge side

- + Adjustment of contact pressure  $\pm 0.8$  mm
- + Side adjustment +3 mm/-2 mm
- + Symmetrical drilling pattern of corner and shear hinges
- + Max. sash weight: 100 kg



### Additional components

- + Balcony door catch, fail-safe device and mini vent keep can be retrofitted
- + Caps for corner and shear hinges

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