

Special opening solutions



Parallel-Opening-Window
Parallel-Opening-Element
Projection-Top-Hung-Window
Bottom-Hung-Window
Top-Hung-Window

Turn-Only-Window
Composite-Turn-Window
Vertical-Sliding-Window
Projection-Top-Hung-Fanlight

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That speaks for us.



**Axel Springer Verlag,
Berlin**



**University of Bozen,
Brixen**



**Sony Center,
Berlin**



**Daimler Crysler,
Potsdamer Platz,
Berlin**



**Speditionstraße,
Düsseldorf**



**Sony Center,
Berlin**



**Meril Lynch,
London**



**Fleetstreet,
London**



**Deutsche Post,
Bonn**



**GAP 15,
Düsseldorf**



**Neven DuMont,
Cologne**



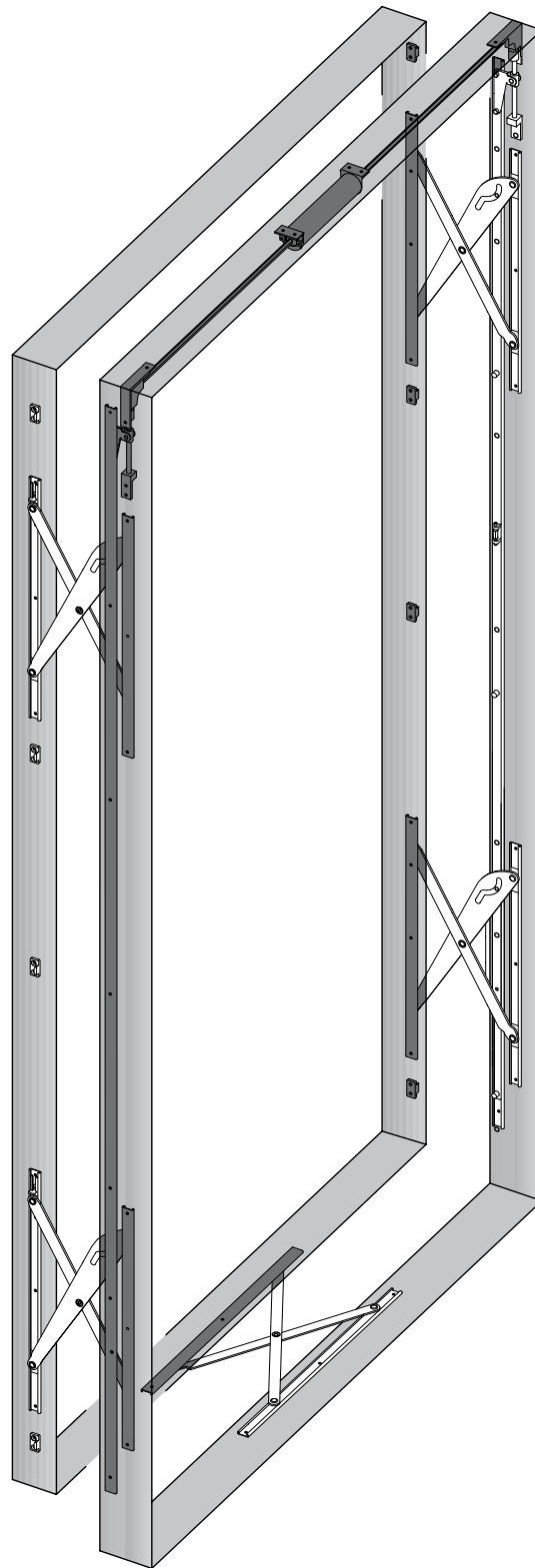
**Federal Chancellery
of Germany, Berlin**

Parallel-Opening-Window (motor driven)

Reference Building:
Axel Springer Verlag, Berlin

Technical Features:
Leaf size:LW 1,350 x LH 2,460 mm
Leaf weight:250 kg
Opening width:200 mm



**Special features:**

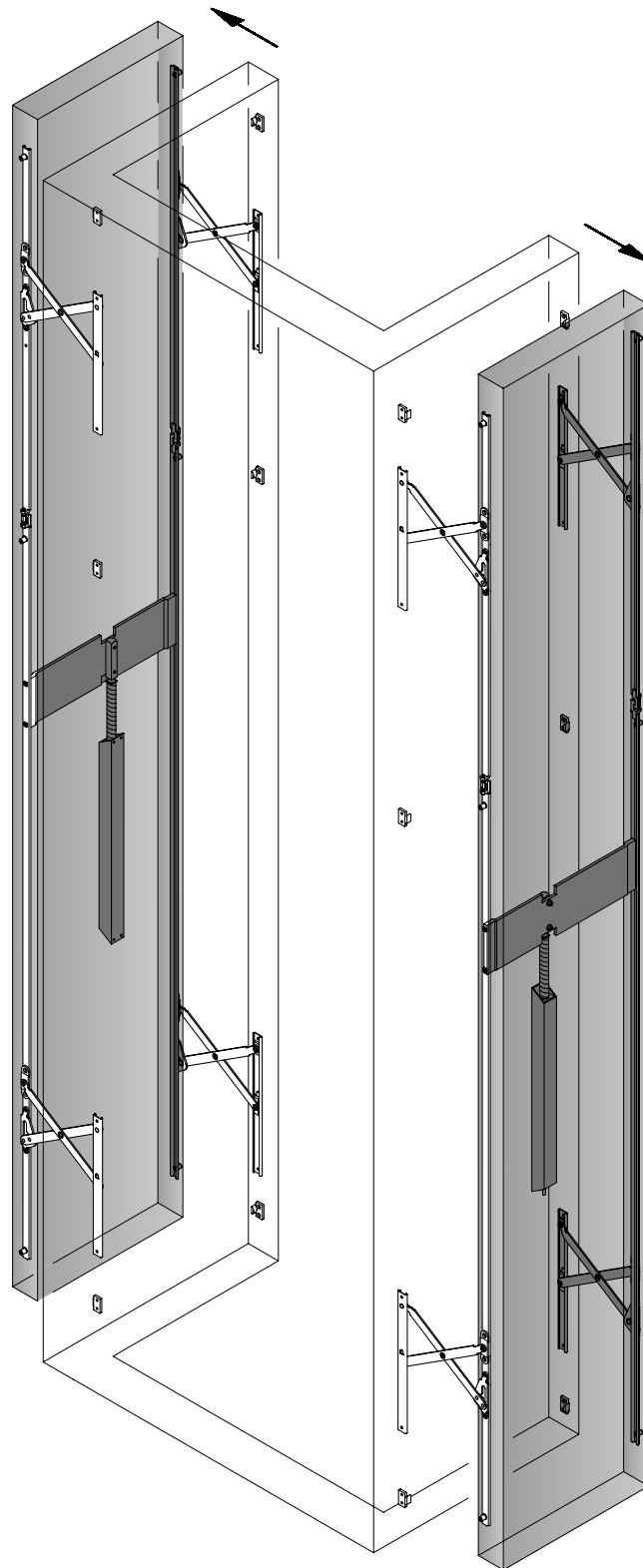
- Open out by lateral hinges.
- Height adjustable sash ± 3 mm.
- The synchronization of the hinges can be adjusted by the forcing rods.
- Parallel opening by adjustable constraining connection and horizontal guiding hinge.
- Operation, locking and releasing by top-mounted gear-drive.
- Alternative: Operation, locking and releasing by vertically positioned handles.

Parallel-Opening-Element (motor driven)

Reference Building:
University of Bozen, Brixen

Technical Features:
Leaf size:LW 266 x LH 3,320 mm
Leaf weight:30 kg
Opening width:200 mm



**Special features:**

- Opening to the side by lateral hinges.
- The synchronization of the hinges can be adjusted by the forcing rods.
- Operation, locking and releasing by concealed spindle-drive.

Projection-Top-Hung-Window (4-Point special hinge)

Reference Building:

Sony Center, Berlin

Technical Features:

Leaf size:LW 1,330 x LH 730 mm

Leaf weight:90 kg

Opening position:35°



**Special features:**

- Open out by 4-Point special hinges.
- Height adjustable sash ± 3 mm.
- Operation, locking and releasing by bottom-centrally positioned handle.
- Alternativ: Operation, locking and releasing by bottom-positioned chain- or locking drive.
- Limiting of opening by chain drive.

Projection-Top-Hung-Window with heavy sashes

Reference Building:

Daimler Chrysler, Potsdamer Platz, Berlin

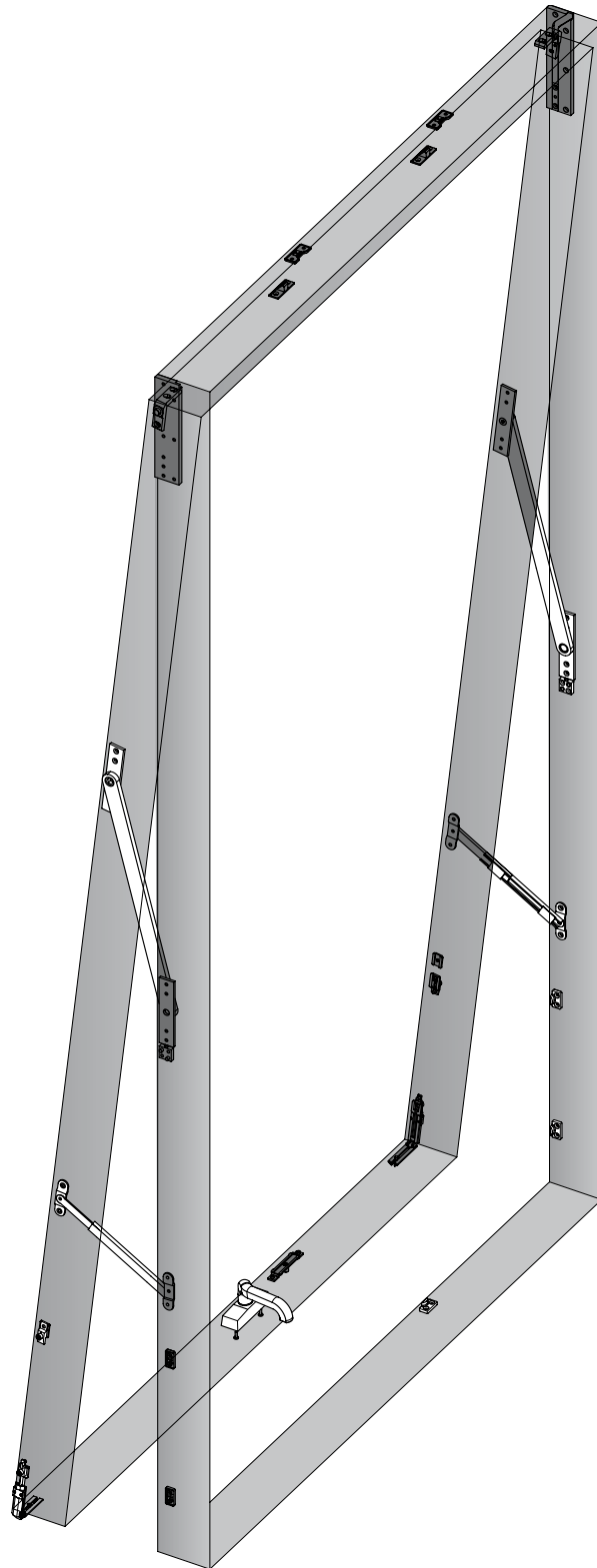
Technical Features:

Leaf size:LW 1,250 x LH 1,730 mm

Leaf weight:150 kg

Opening position:17°



**Special features:**

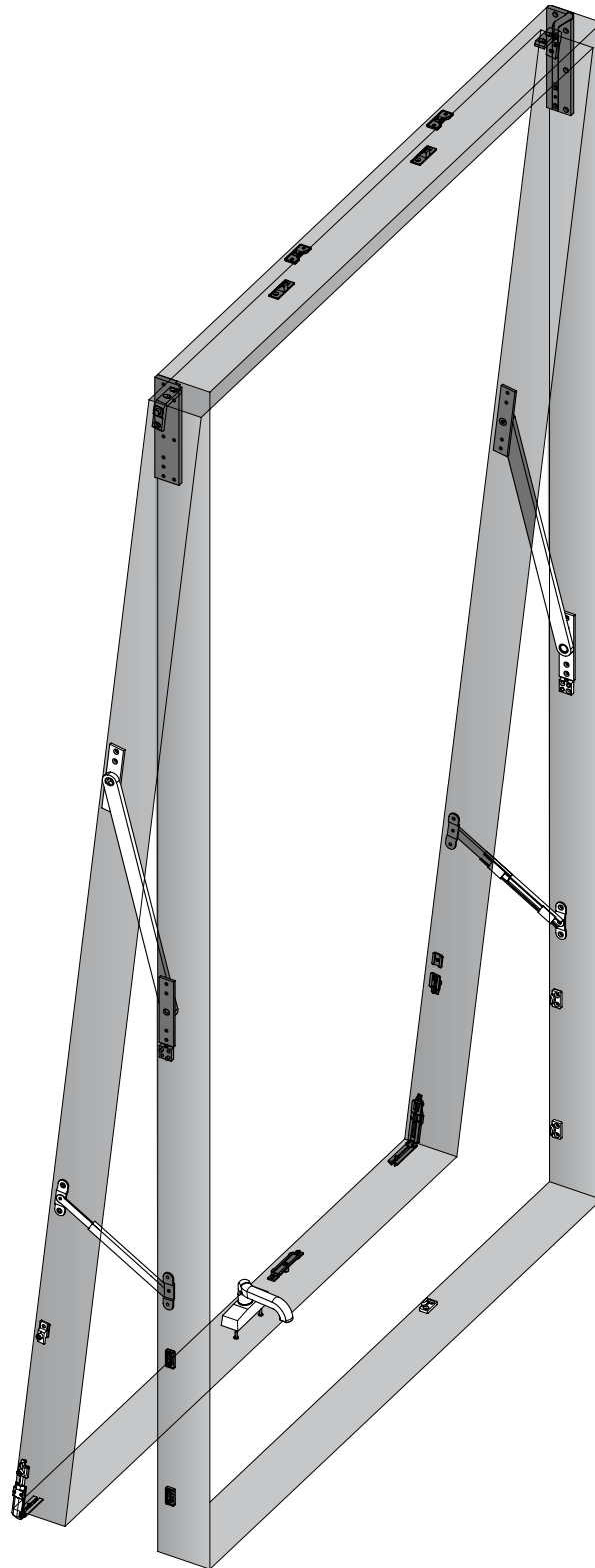
- Open out by friction-hinges and top-guides.
- Height adjustable sash ± 3 mm.
- Operation, locking and releasing by bottom-positioned handle. Limiting of opening by endstop in the guides or by opening-limiter.
- Alternative: Operation, locking and releasing by bottom-positioned chain- or locking drive. Limiting of opening by chain drive.

Projection-Top-Hung-Window with heavy sashes

Reference Building:
Speditionsstraße, Düsseldorf

Technical Features:
Leaf size:LW 850 x LH 1,700 mm
Leaf weight:90 kg
Opening position:10°



**Special features:**

- Open out by friction-hinges and top-guides.
- Height adjustable sash ± 3 mm.
- Operation, locking and releasing by bottom-positioned handle. Limiting of opening by endstop in the guides or by opening-limiter.
- Alternative: Operation, locking and releasing by bottom-positioned chain- and locking drive. Limiting of opening by chain drive.

Projection-Top-Hung-Window (4-Point special hinge)

Reference Building:

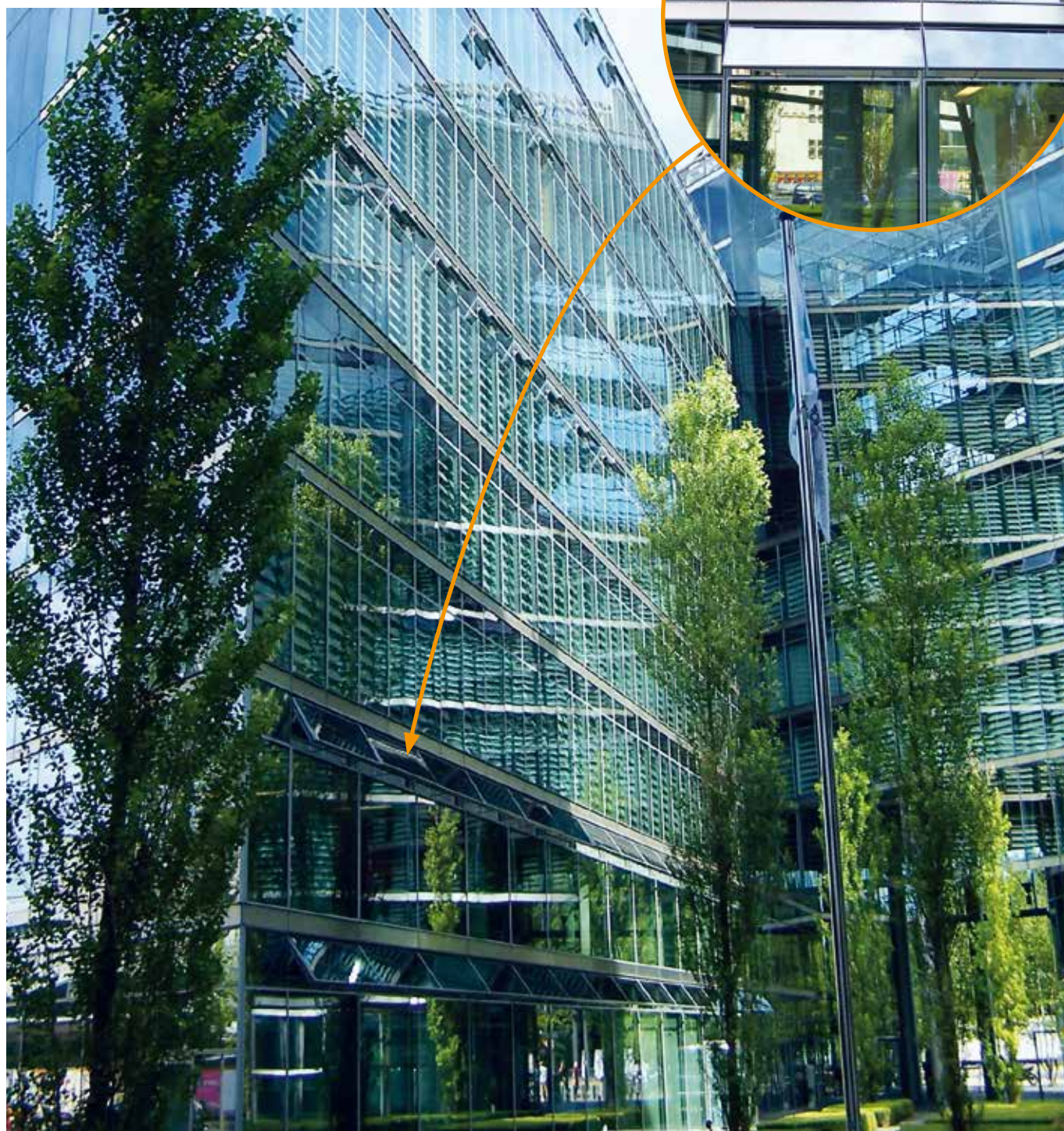
Sony Center, Berlin

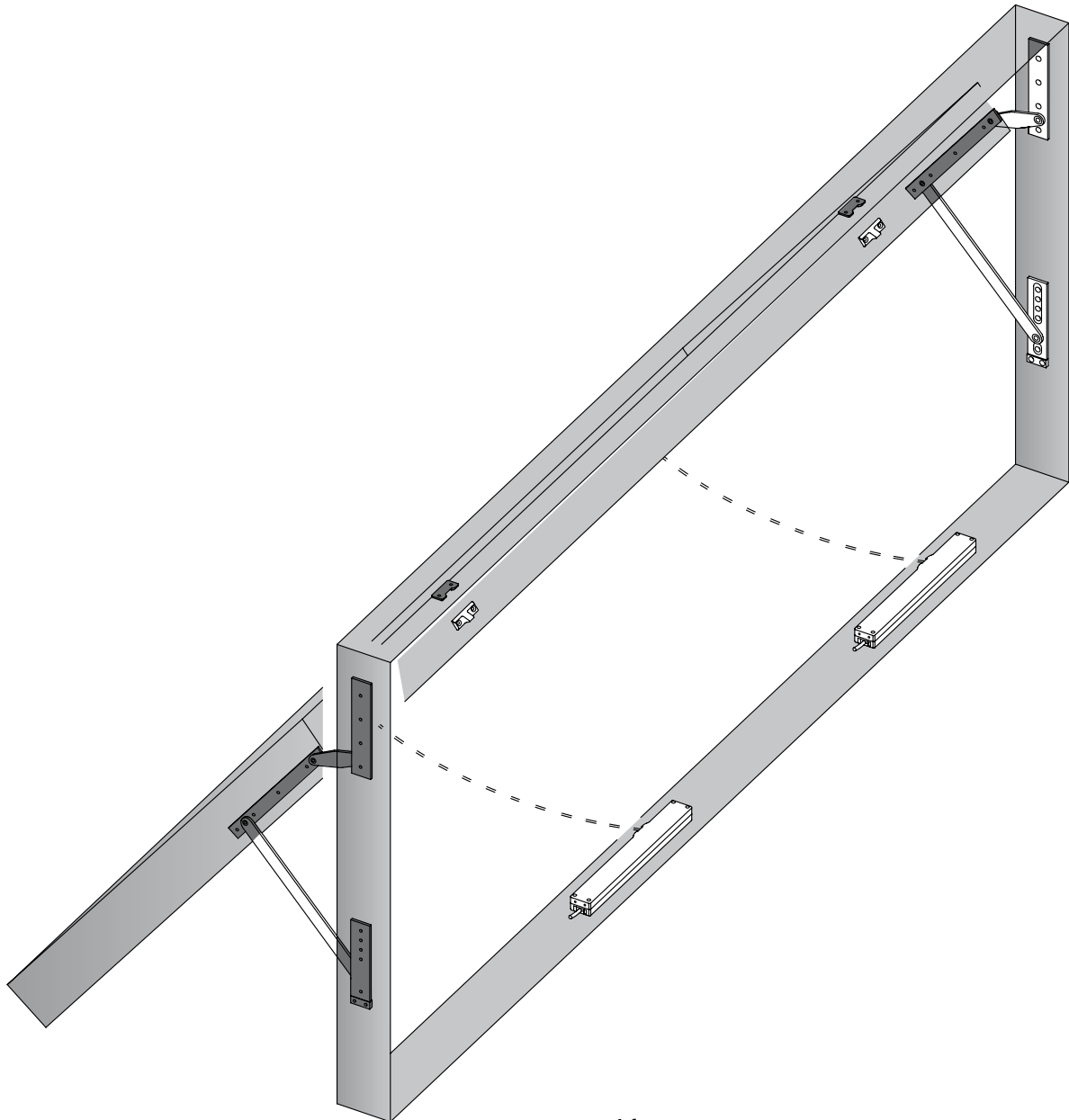
Technical Features:

Leaf size:LW 2,700 x LH 730 mm

Leaf weight:120 kg

Opening position:35°



**Special features:**

- Opening by 4-Point special hinges.
- Height adjustable sash ± 3 mm.
- Operation, locking and releasing by bottom-positioned chain- and locking drives.
- Limiting of opening by chain drive.

Bottom-Hung-Window (4-Point-Hinges)

Reference Building:
Merill Lynch, London

Technical Features:
Leaf size:LW 1,450 x LH 3,670 mm
Leaf weight:325 kg
Opening position:10°



**Special features:**

- Open out by 4-Point-Hinge.
- Operation, locking and releasing by lateral positioned handle.
- Limiting of opening by opening-limiter with end-damping.

Top-Hung-Window (4-Point-Hinges)

Reference Building:
Fleetstreet, London

Technical Features:
Leaf size:LW 1,500 x LH 2,600 mm
Leaf weight:230 kg
Opening position:26°



**Special features:**

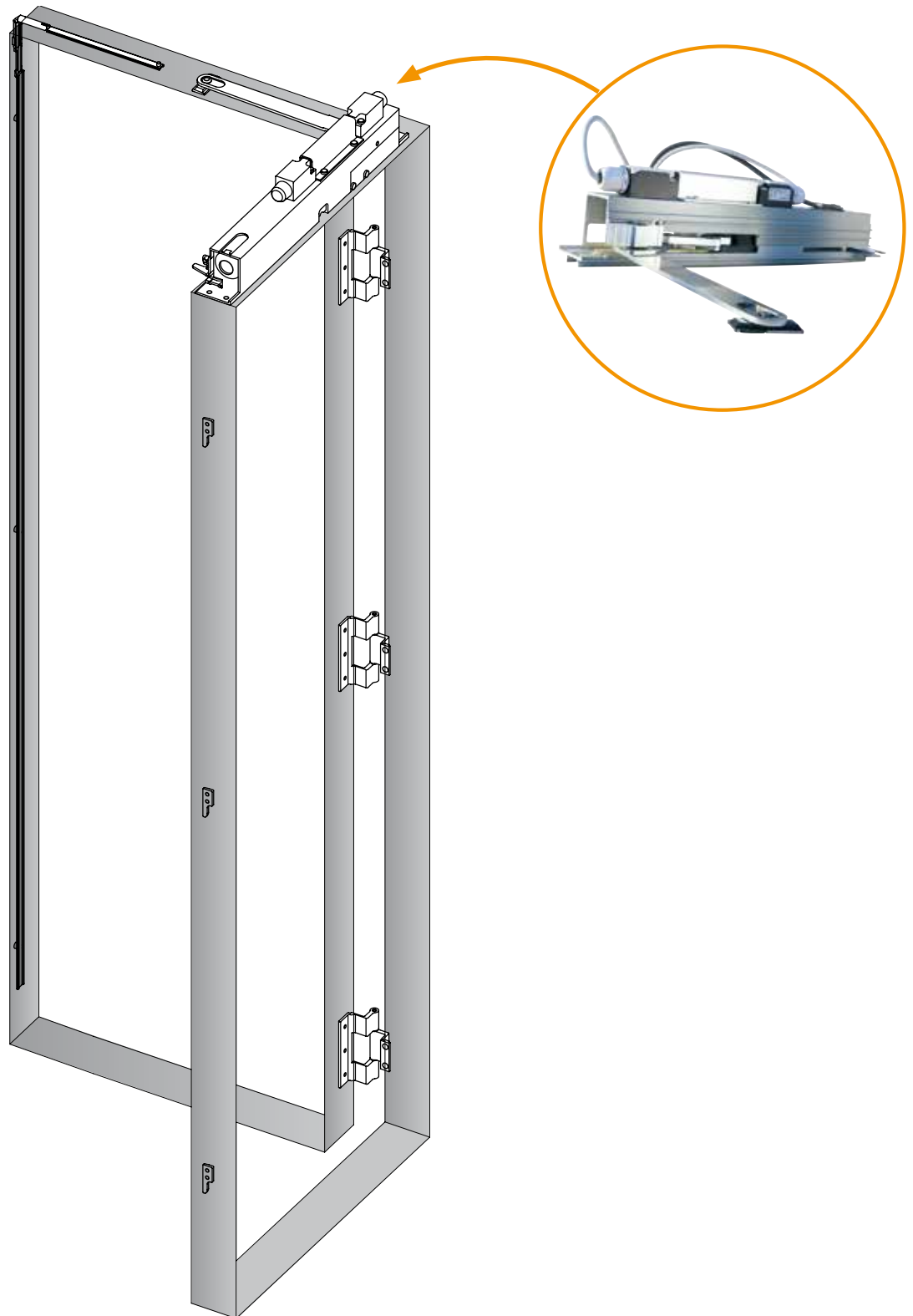
- Open out by 4-Point-Hinge.
- Operation, locking and releasing by bottom-positioned handle.
- The adjustable supporting device guarantees the correct locking position of the window.

Turn-Only-Window (motor driven)

Reference Building:
Deutsche Post, Bonn

Technical Features:
Leaf size:LW 515 x LH 1,955 mm
Leaf weight:60 kg
Opening position:85°



**Special features:**

- Window position open/closed by endswitch.
- Opening, locking and releasing by top-positioned gear-drive.
- Easily exchangeable drive due to modular design.

Composite-Turn-Window

Reference Building:

GAP 15, Dusseldorf

Technical Features:

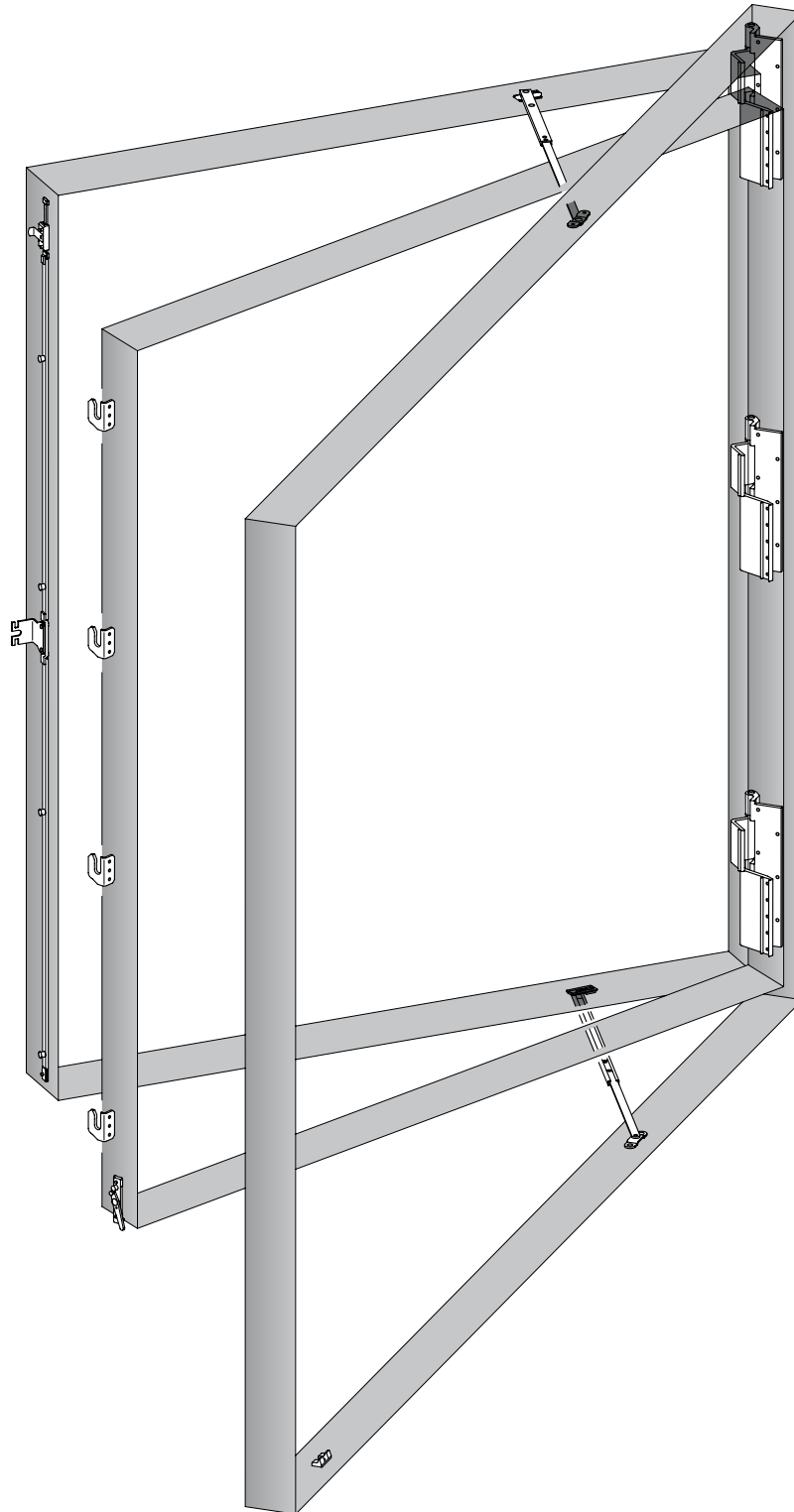
Leaf size:LW 1,350 x LH 3,670 mm

Leaf weight:350 kg

Opening position:10°

Cleaning position:40°



**Special features:**

- Opening and operation by 3 vertically positioned concealed chain drives.
- The outer sash must be manually uncoupled from the outside and limited about 40° for cleaning purposes.

Vertical-Sliding-Window

Reference Building:

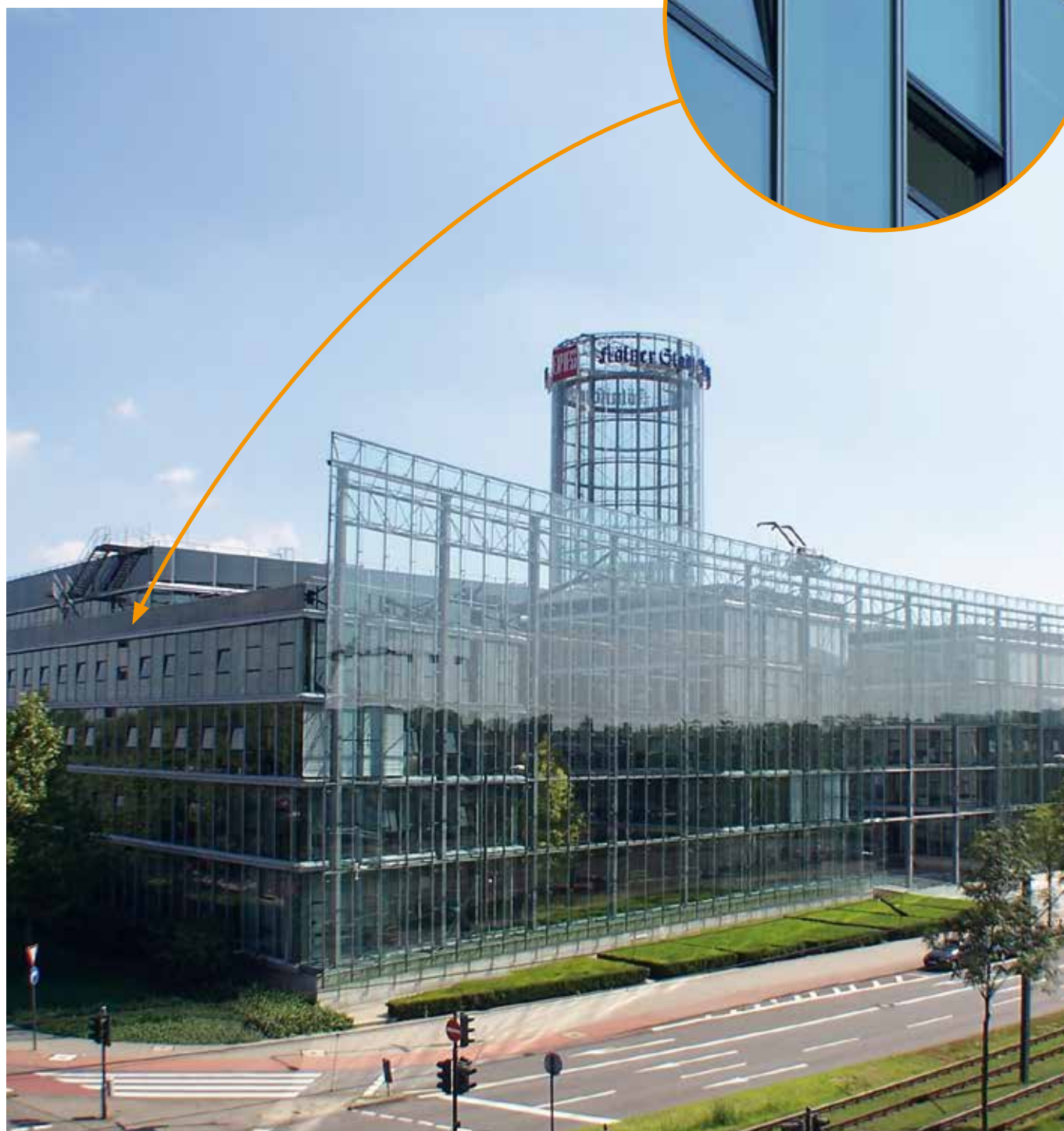
Neven DuMont, Cologne

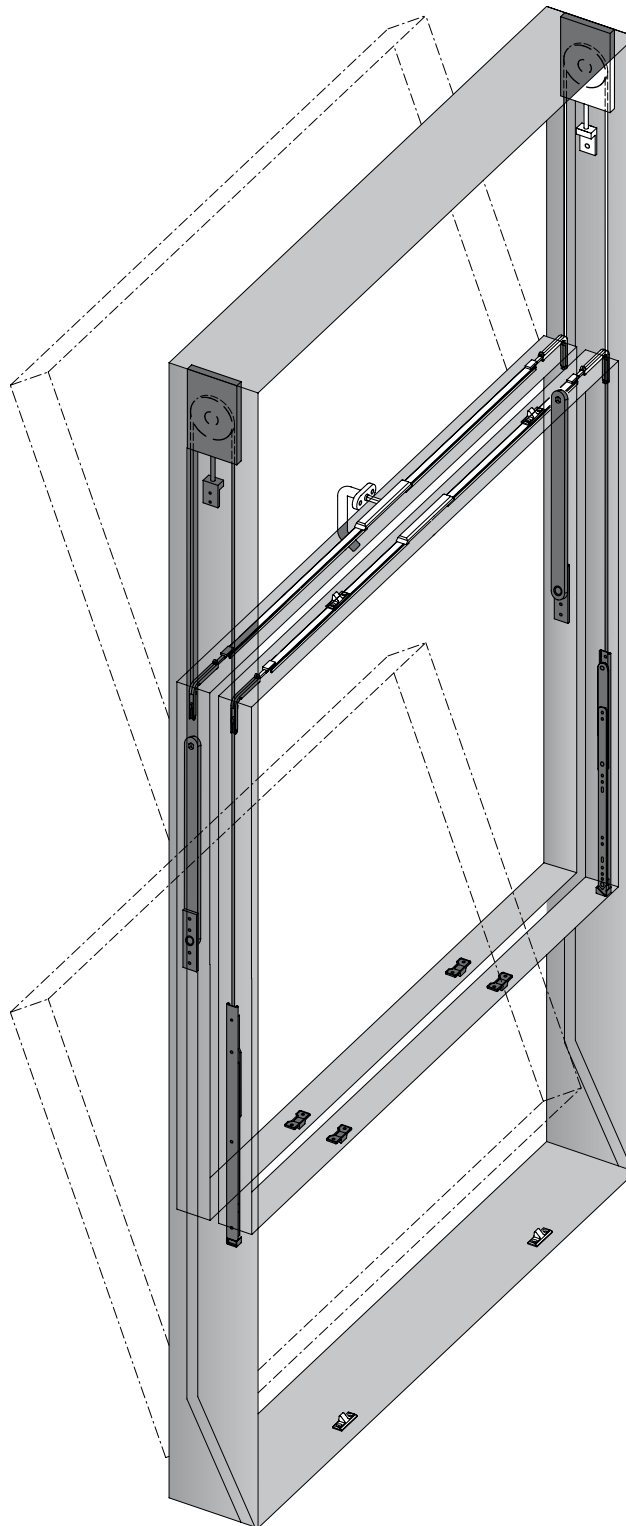
Technical Features:

Leaf size:LW 1,400 x LH 2,100 mm

Leaf weight:80 kg

Opening position:30°



**Special features:**

- The lower sash moves to the top, the upper sash to the bottom.
- Control by frame-sided guides and guiding rollers.
- Operation, locking and releasing by top-positioned handle.
- Limiting of opening by limiting-hinges.
- Both sashes can be opened to the inside for cleaning activities (tilt-position).

Projection-Top-Hung-Fanlight

Reference Building:

Federal Chancellery of Germany, Berlin

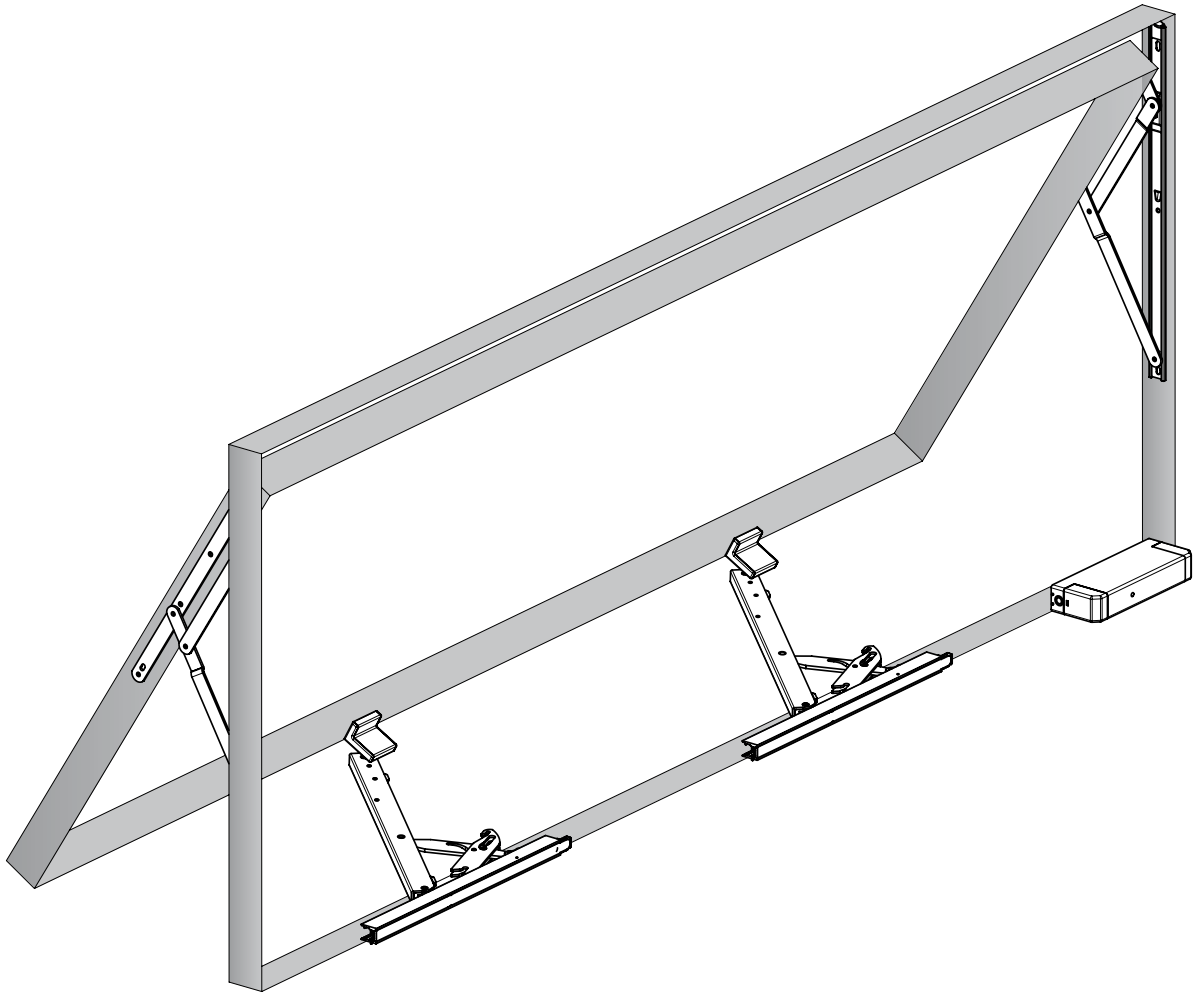
Technical Features:

Leaf size:LW 800 x LH 2,300 mm

Leaf weight:100 kg

Opening width:300 mm



**Special features:**

- Open out by fanlight scissors Alu Kipp 300.
- Operation by electric spindle motor.



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