

PLEATED BLINDS M

22 MM

Data sheets



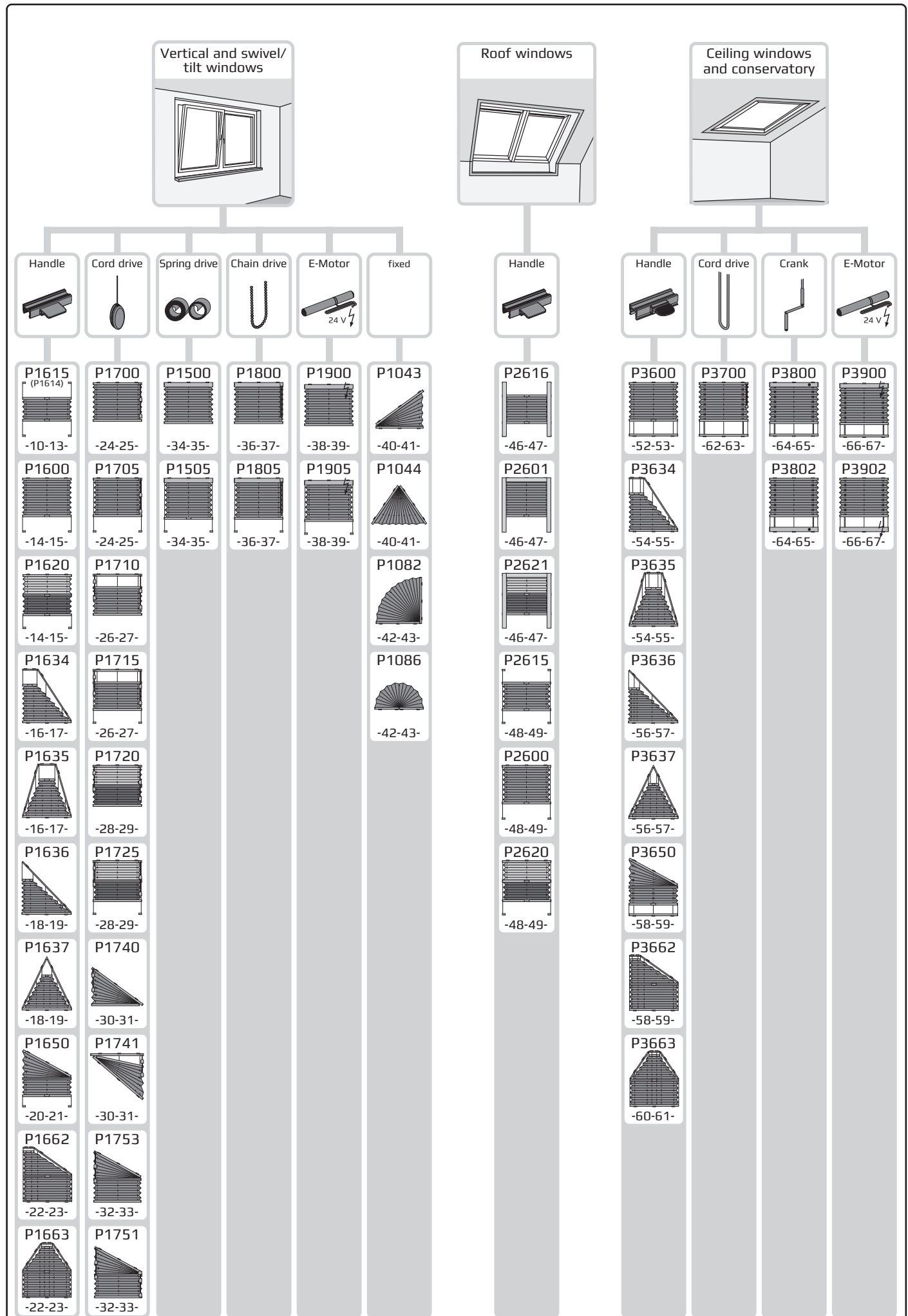
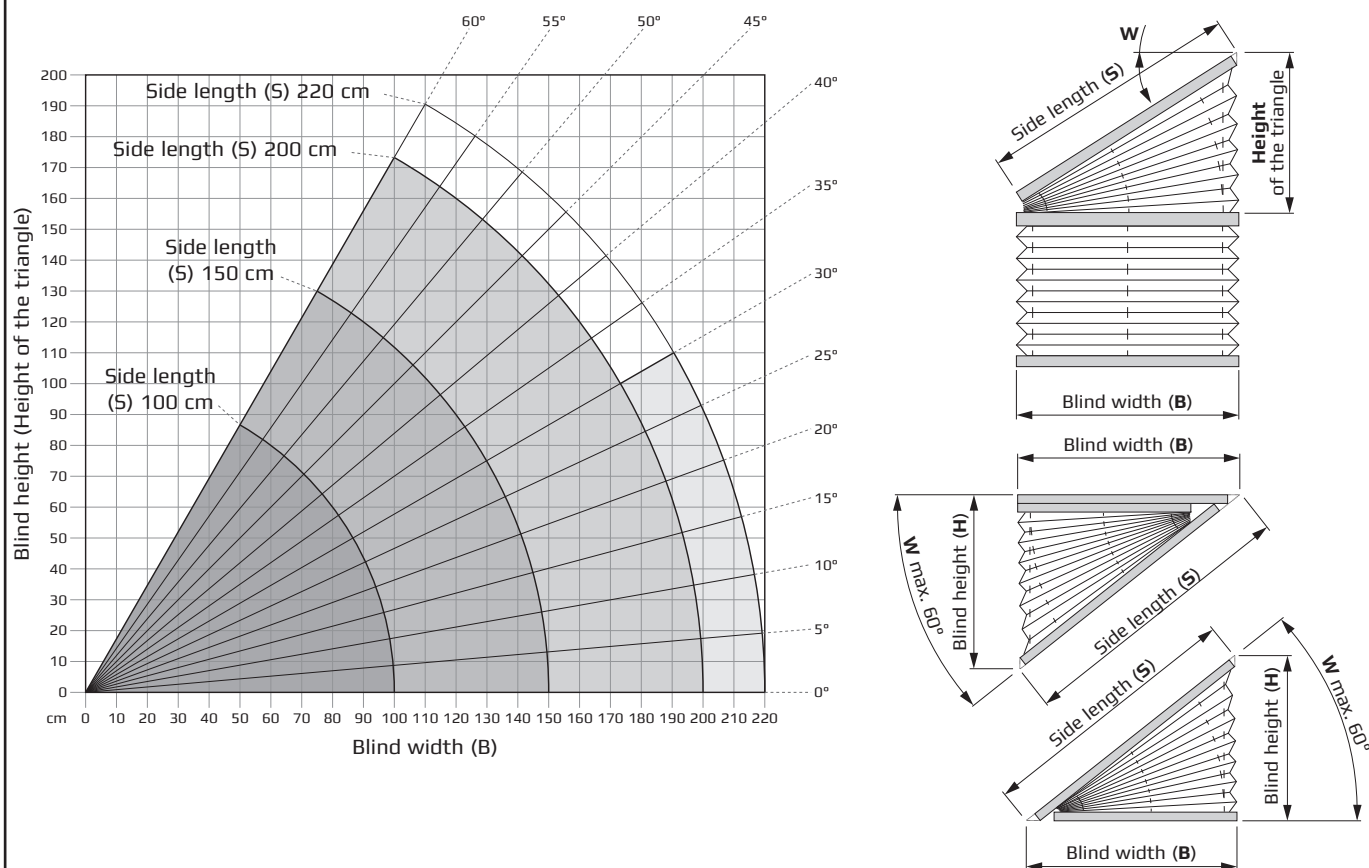


Table of dimension – triangular installations

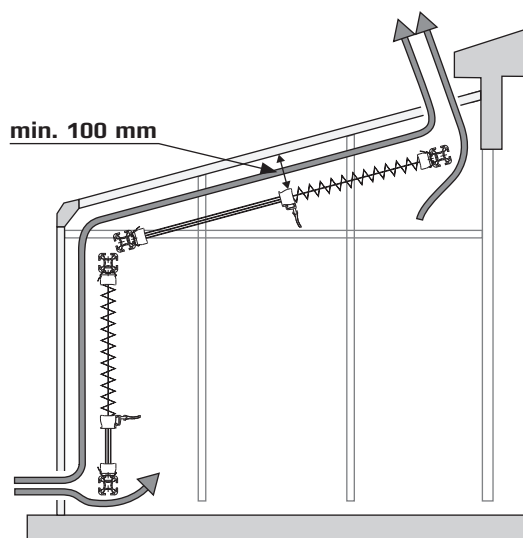


Notes - ventilation

! Good ventilation is a must

For this both a **minimum distance to the glazing and louvres above and below** are required.
In order to guarantee sufficient air circulation **a minimum distance of 100 mm** should be maintained between the pleating installation and the glass pane.

If the air circulation is insufficient, heat can accumulate and condensation water can occur.



! A minimum distance to the glass pane must be observed

Mounting directly on the glass pane:

In order to prevent **glass breakage** a **minimum distance to the glass pane** must be maintained!

Recommendation:

Transparent materials **min. 3 mm back ventilation distance**

Opaque materials **min. 5 mm back ventilation distance**

Honeycomb materials **min. 20 mm back ventilation distance**

(Special glasses might require more distance due to manufacturer's specifications).

We disclaim any warranty for material damage due to dripping water or insect excrements as well as glass breakage.

Stack heights* are calculated according to type, fabric thickness and installation height.

Stack height (SH) = table value (X) + profile heights in mm

A - Standard Types

PH = X + 16 + 16 (mm)

W - Spring/Chain/Motor/Crank Types

PH = X + 16 + 35 (mm)

C - Day-night Types

PH = X₁ + X₂ + 16 + 16 + 16 (mm)

Example:

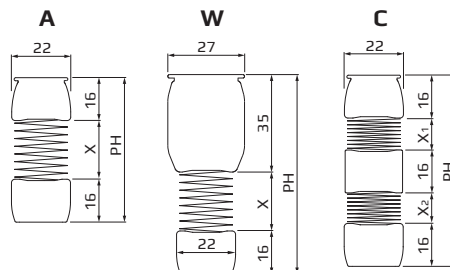
Type P1615 - Blind height 1.50 m - Fabric thickness** 0.30 mm

Table value X = 27 mm

PH = 27 + 16 + 16 = approx. 59 mm

* Stack heights need only be calculated approximately.

** Fabric thickness = material thickness on the collection chart (approx. dimensions).



Fabric stack height

Blind height (in m)	Fabric thickness (material thickness on collection chart) (in mm)								
	0.15	0.20	0.25	0.30	0.35	0.40	0.45	Honeycomb	Honeycomb blackout
0.50 m	5	6	8	9	11	12	14	13	14
1.00 m	9	12	15	18	21	24	27	26	27
1.50 m	14	18	23	27	32	36	41	39	41
2.00 m	18	24	30	36	42	48	54	52	54
2.50 m	23	30	38	45	53	60	68	65	68
3.00 m	27	36	45	54	63	72	81	78	81
3.50 m	32	42	53	63	74	84	95	91	95
4.00 m	36	48	60	72	84	96	108	104	108

Child safety has top priority!

For pleated blinds with pull-cord operation (type P1700 - P1753), pleated blinds with chain operation (type P1800 - P1805) and pleated blinds with cord operation (type P3700) standardised, childproof installation must be ensured. Your dealer will be happy to explain potential hazards and will ensure correct selection and installation.

! WARNUNG !

in accordance with EN 13120

- Young children can strangle in the loop of pull cords, tapes and cords that operate window coverings. They can also wrap cords around their necks.
- To avoid strangulation and entanglement, keep cords out of reach of young children.
- Move beds, cots and furniture away from window covering cords.
- Do not tie cords together. Make sure cords do not twist and create a loop.
- Install and use the included safety devices according to the installation instructions on these device to reduce possibility of such an accident.



Type P1700 - P1753 (Cord operation)

The operation length is in compliance with the Child Safety freely selectable.

Mounting height is **known**:

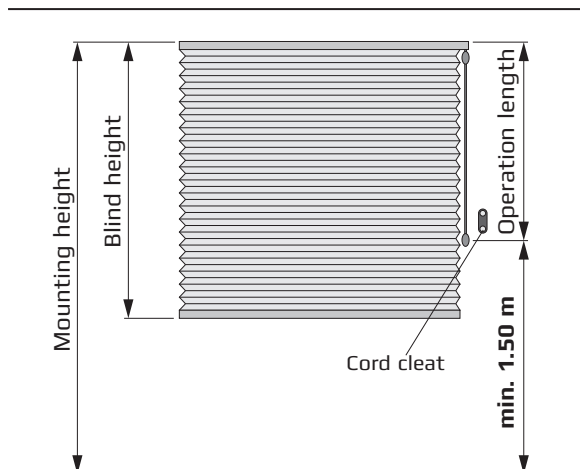
-> max. Operation length = Mounting height - 1.50 m

Mounting height is **unknown**:

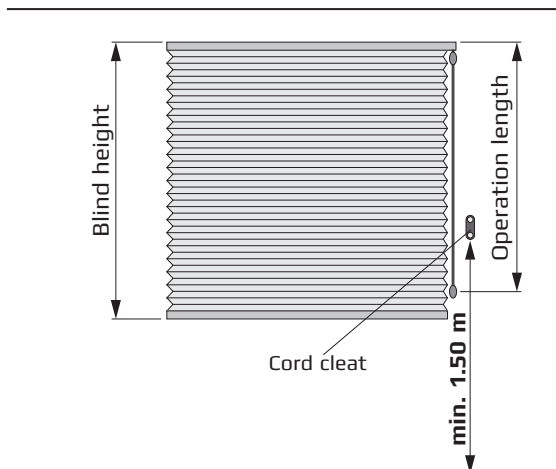
Blind height ≤ 2.50 m -> max. operation length = 1.00 m

Blind height > 2.50 m -> max. operation length = blind height - 1.50 m

Mounting height is **known**



Mounting height is **unknown**

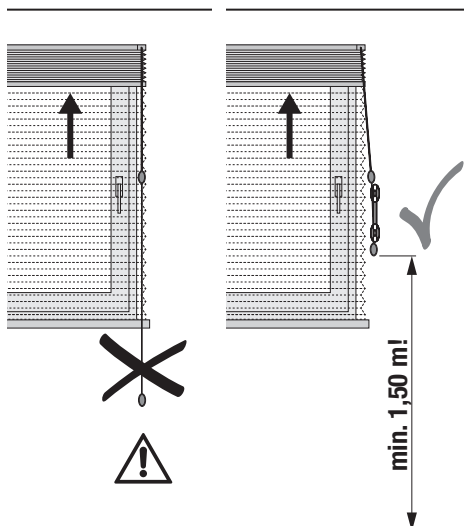


Blind height ≤ 2.50 m
operation length
= **max. 1.00 m**
Blind height > 2.50 m
operation length
= **blind height - 1.50 m**

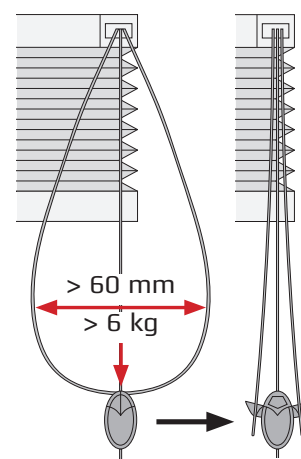
Mounting height must be min. 1.50 m!

The included safety device (Cord cleat) must be fixed in minimum height of 1.50 m above the floor!

The operation cord must be fit on the cord cleat!



All pull-cord pleated blinds are equipped with a safety tassel. This opens under load so that no loop can develop.



Type P1800 - P1841 (Chain operation)

The operation chain is **equipped with the Chain safety device!**

The operation length is in compliance with the Child Safety freely selectable.

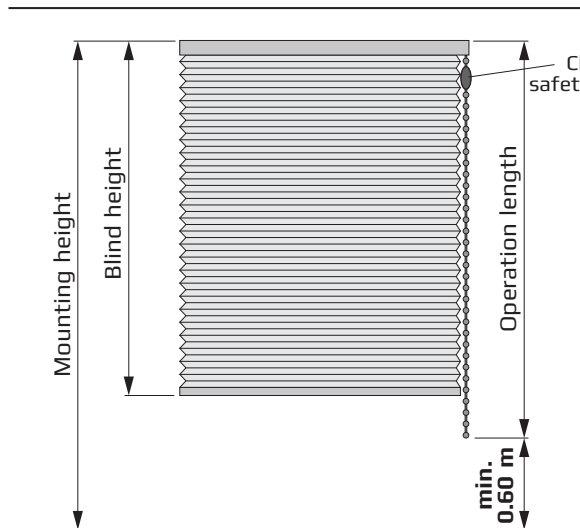
Mounting height is **known**:

-> max. operation length = mounting height - 0.60 m

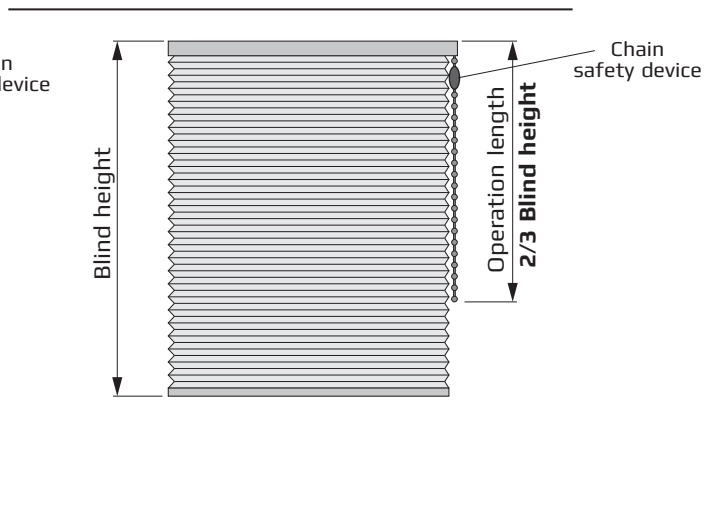
Mounting height is **unknown**:

-> max. operation length = 2/3 of the blind height

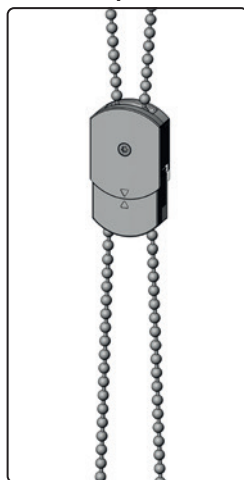
Mounting height is **known**



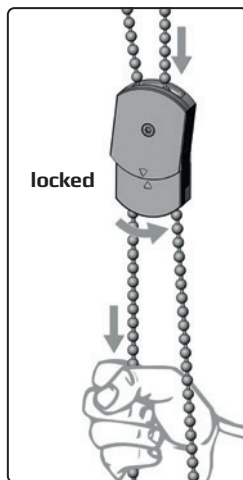
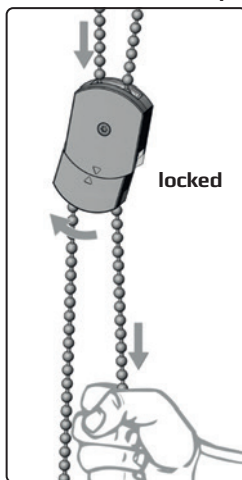
Mounting height is **unknown**



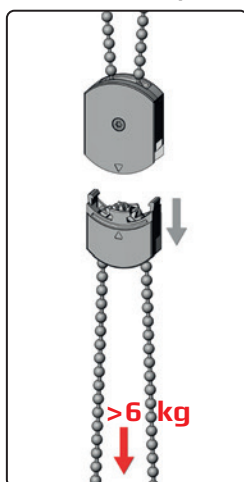
Basic position



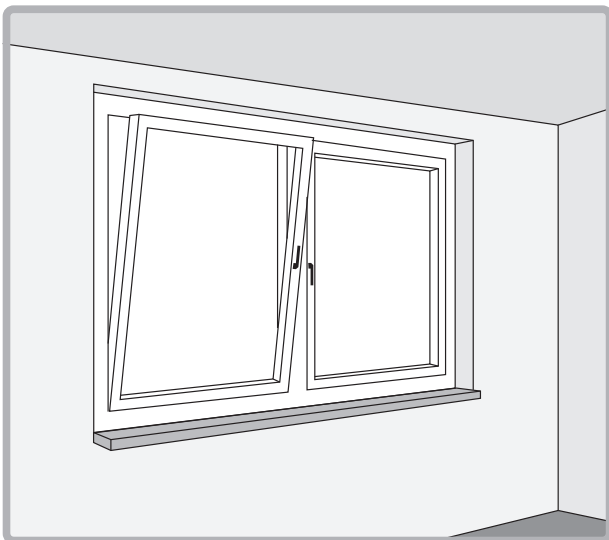
Operation



Child safety



A release mechanism triggers the opening of the safety elements when a load (6 kg or more) is applied to the chain loop



Tensioned blinds with handle operation for tilt/turn windows up to a maximum tilt of 15° and special shapes.

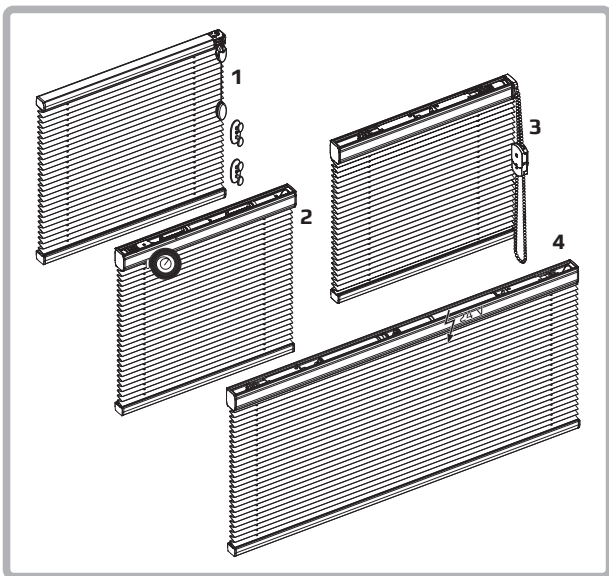
Freely suspended unit with different operating and hanging types and/or with shuttle protection.

Installation widths: from 0.20 - 2.20 m

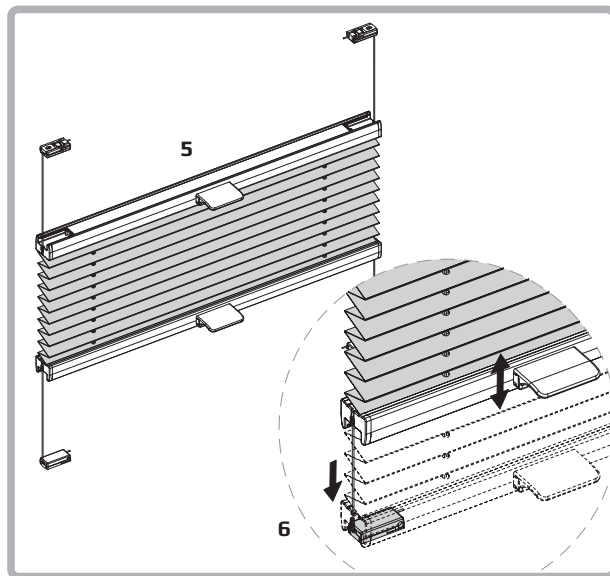
Installation heights: up to 2.60 m



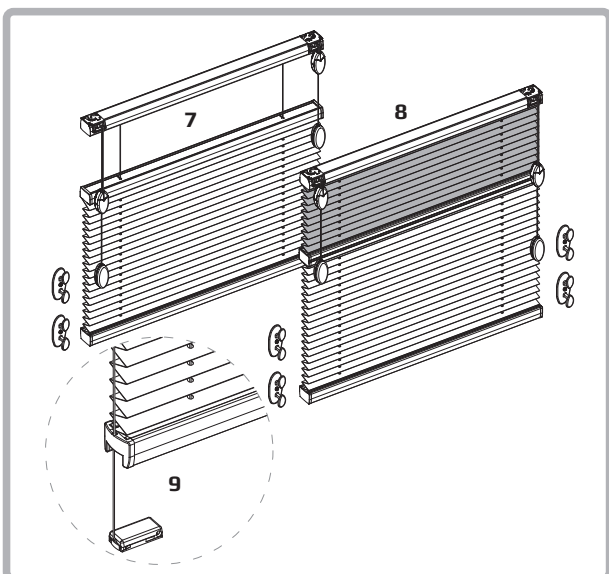
For freely suspended units with cord or chain operation, child safety must be ensured - see page 6-7.



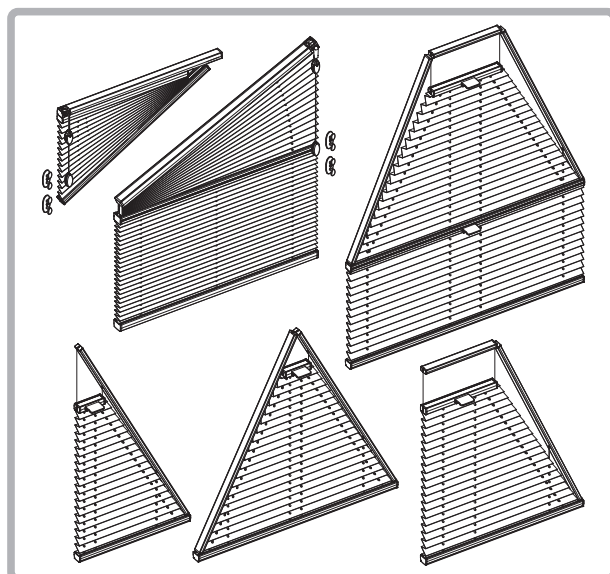
Freely suspended units with **cord operation (1)** (integrated cord lock), with **manual control (2)** (spring mechanism), with **chain operation (3)** and/or **electric operation (4)** (24-Volt motor).



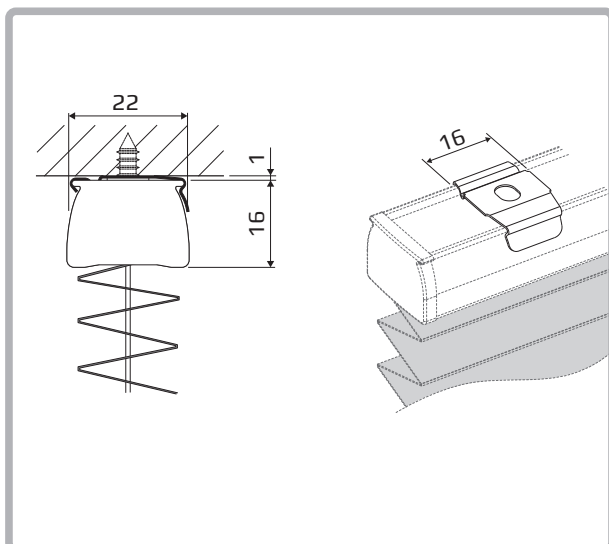
Tensioned unit with **handle operation (5)** and variable hanging. Operating profile with **locking function (6)**. **No gap** - tension cord fastening is always completely covered by the operating profile.



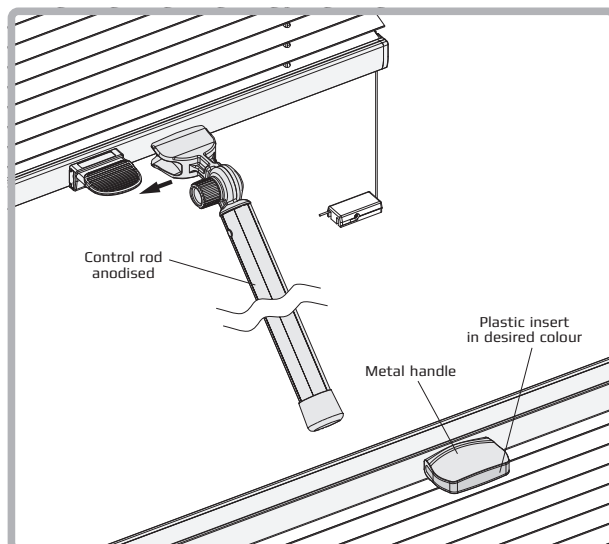
Different hanging types possible. **Variable hanging type (7)** or **two hangings (day-night) (8)**. **Cord guiding (9)** for freely suspended units. Lateral guidance by means of a tensioned cord.



Special shapes are possible. Different (symmetrical or asymmetrical) triangular or **trapezoidal shapes** including even **5- or 6-sided units**.



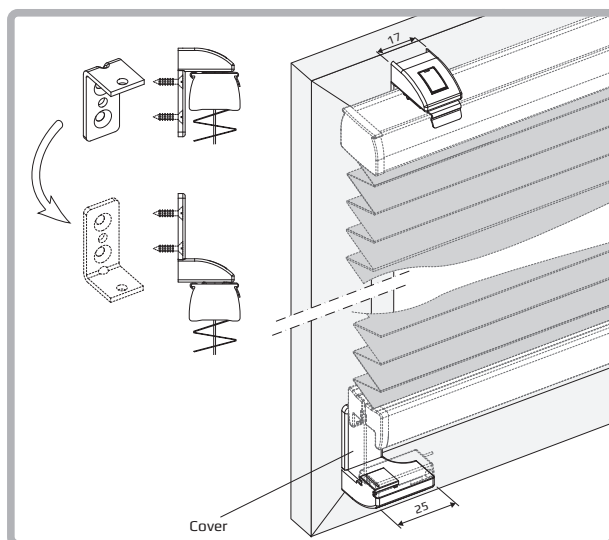
Rail fixing with especially **flat clip** (gap less than 1 mm) and neat appearance (track with cover welting).



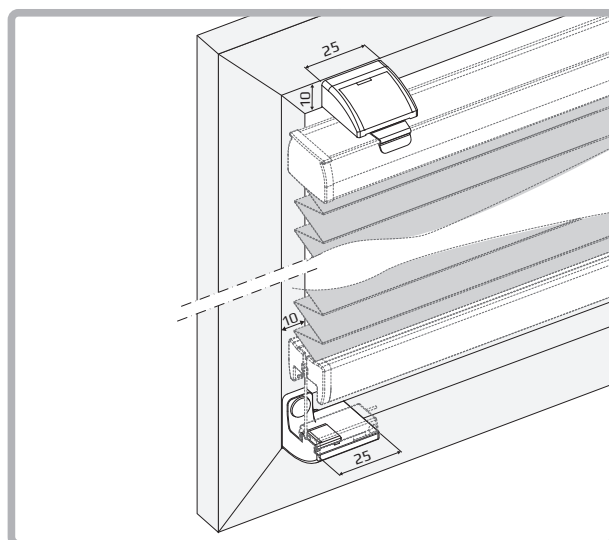
Handle operation types:

Control wand - operation using anodised bar

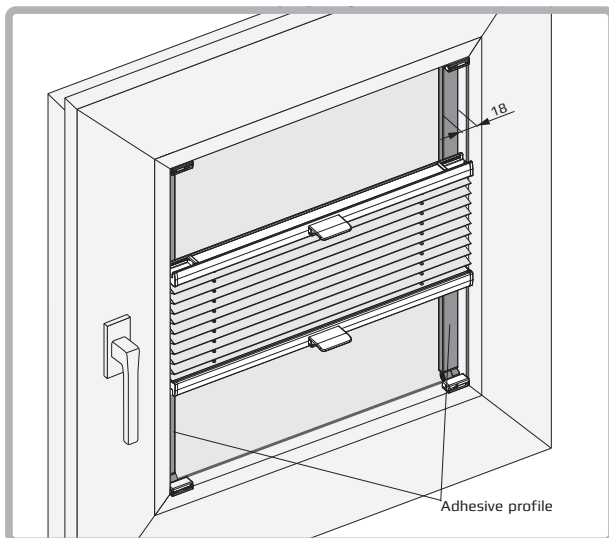
Metal design handle - with coloured plastic insert.



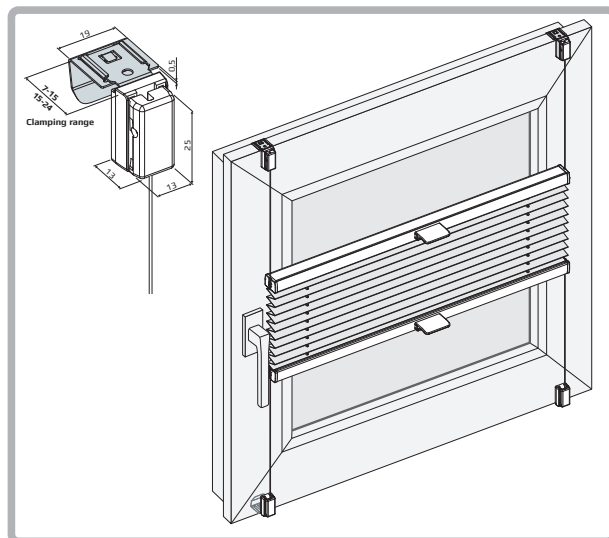
Straight forward **fixing to window frame** with the fixing bracket (in all plastic colours). This bracket can be **rotated** to suit the installation position, **cover cap** included (bracket and screws not visible)



Straight forward **fixing to glazing bead** with the glazing bead bracket (in all plastic colours).

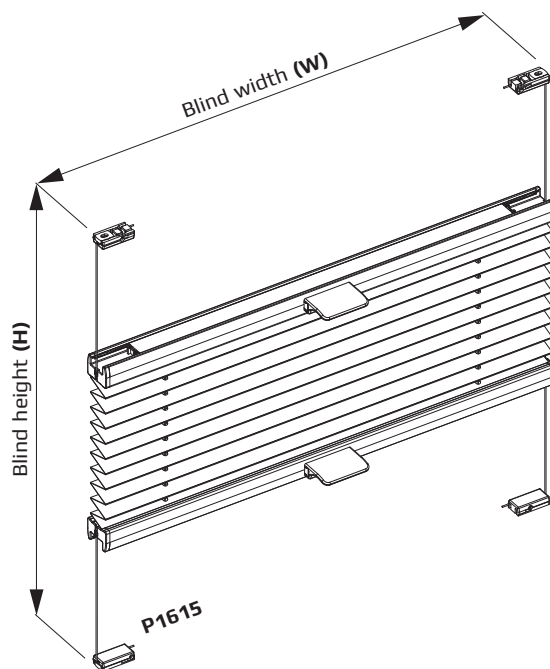


Installation option for **Type P1615: adhesive attachment** by means of two adhesive profiles that are fixed to the glass pane.



Installation version **Type P1614: straightforward, inconspicuous clamp attachment** to the window sash. Clamping range from 7 to 15 mm and from 15 to 24 mm.

**P1615 - Tensioned blind with handle operation and changeable hangings.
(P1614 with clamp assembly)**



**Dimensions/
Pleated blind measures**

- **Width:** min. 0.20 m
max. 1.20 m (Blind height max. 2.20 m)
max. 1.50 m (Blind height max. 1.60 m)
- **Height:** min. 0.20 m
max. 2.20 m
- **Surface:** max. 2.60 m²
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Changes to the cord tensioning possible ± 5 mm (dependent on size and material)
- Cords made of polyester yarn, $\varnothing 0.8$ mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- Locking function of the operation profile on the tightening devices

Control

- **Operating handle:** 1 operating handle in the middle up to 1.20 m blind width, 2 operating handles with more than 1.20 m blind width
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch ($\varnothing 6.0$ mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

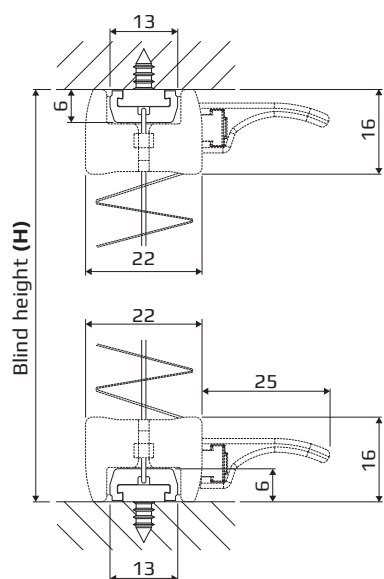
- Pleated fabric hangings • 20 mm pleat width • visible drilled hole ($\varnothing 3.5$ mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole ($\varnothing 3.5$ mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

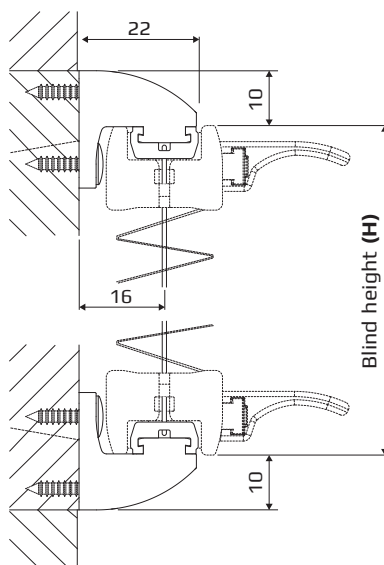
- **Fixing of tightening devices:** Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 $\varnothing 3.9 \times 13$ mm)
- **Glazing bead holder:** Screw the glazing bead holder onto the glass strip (DIN 7982 $\varnothing 2.9 \times 9.5$ mm)
- **Fixing angle:** Screw the fixing angle onto the window frame (DIN 7982 $\varnothing 3.9 \times 13$ mm)
- **Option:**
Adhesive attachment: Two adhesive profiles are fixed to the glass pane (see page 12)
Clamp fixing: Type **P1614** - Clamp fixing on the window casement by means of window frame clamp (see page 13)

Fixing

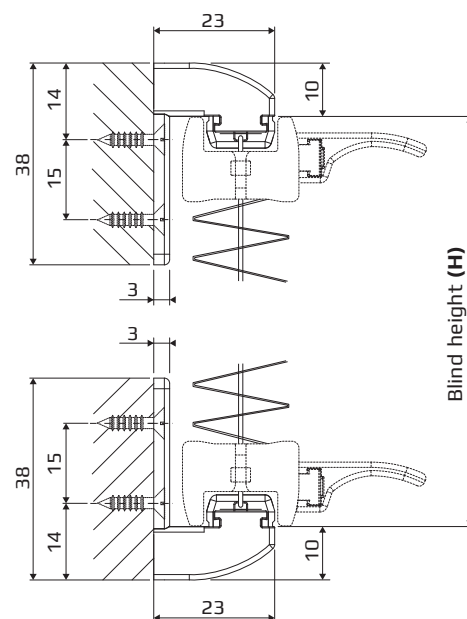
P1615 - Tension feet



Glazing bead holder



Fixing angle

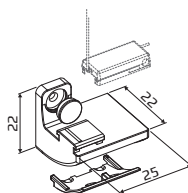


Accessories

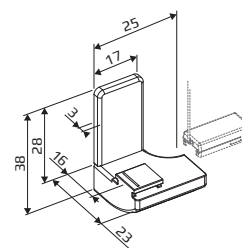
Tensioning shoe holder



Glazing bead holder

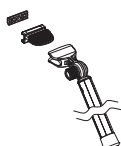


Fixing angle



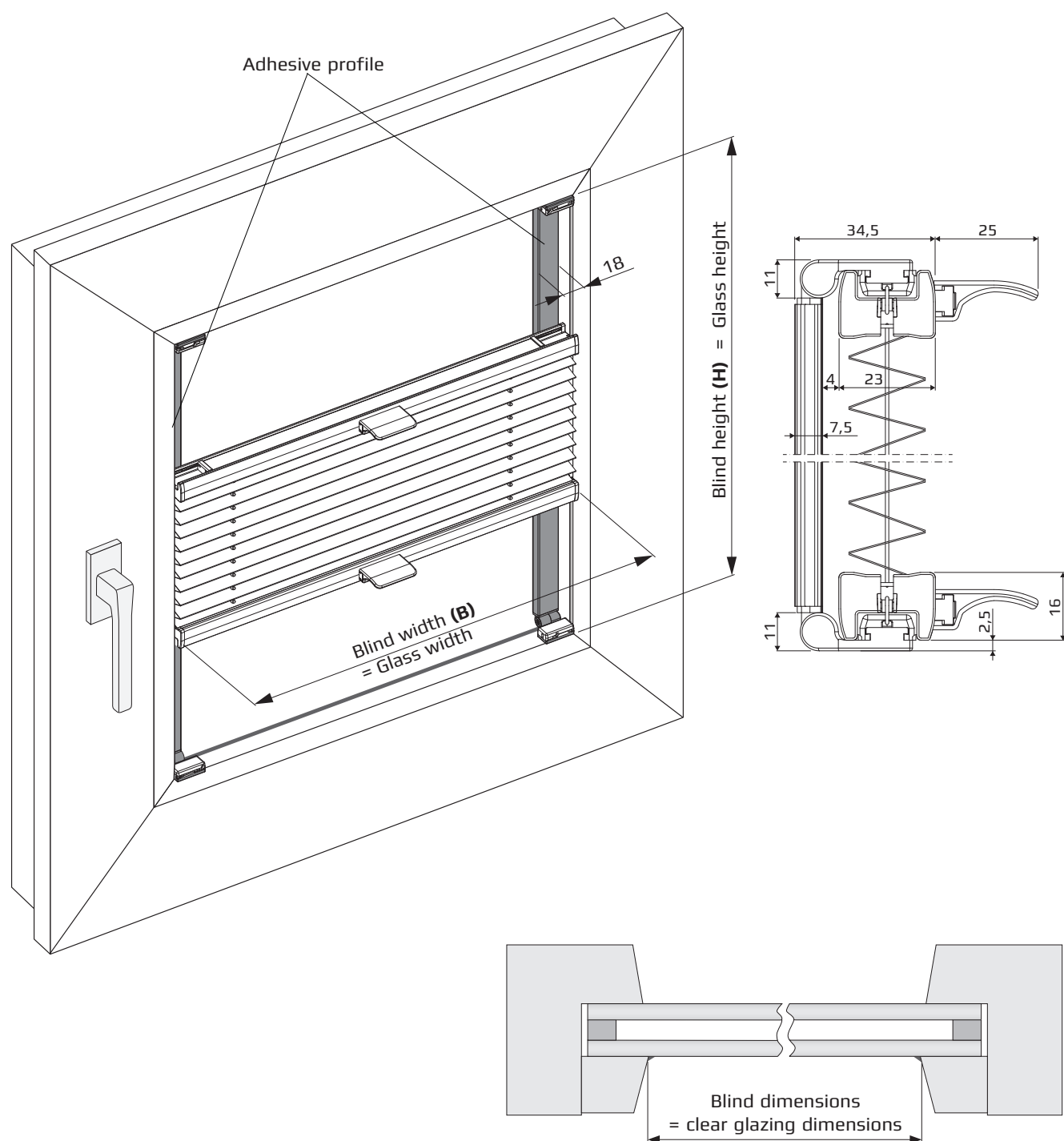
Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



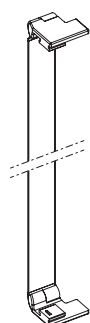
Mounting option - Attaching

Two adhesive profiles are fixed to the glass pane.



Accessories

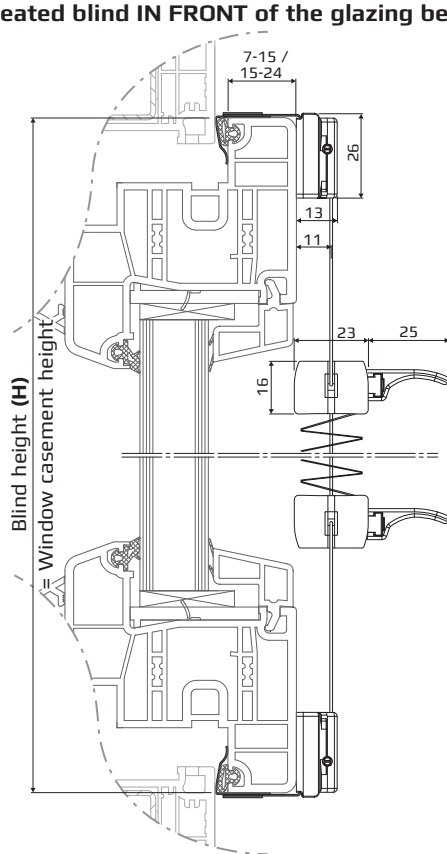
Adhesive profile



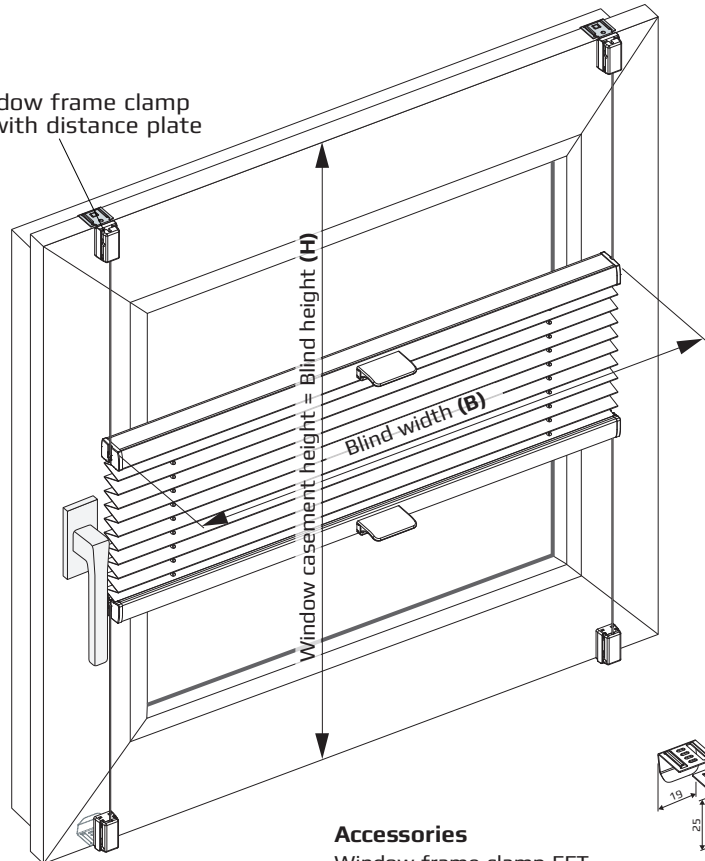
Mounting option - Clamping

Clamp fixing on the window casement by means of window frame clamp FFT

Pleated blind IN FRONT of the glazing bead



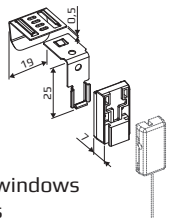
Window frame clamp
FFT with distance plate



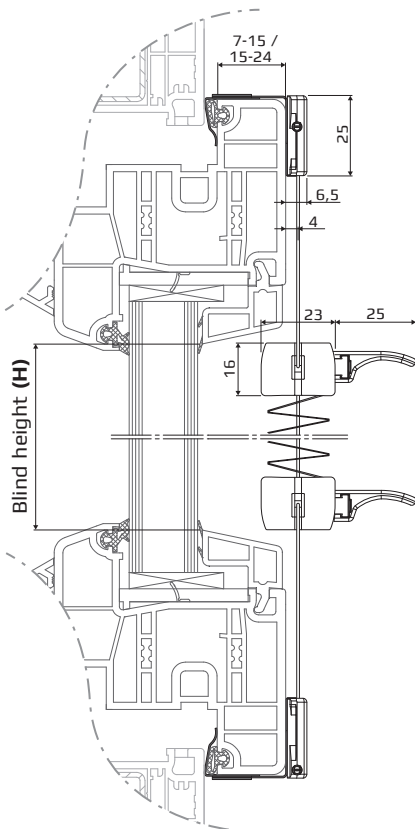
Accessories

Window frame clamp FFT
with distance plate

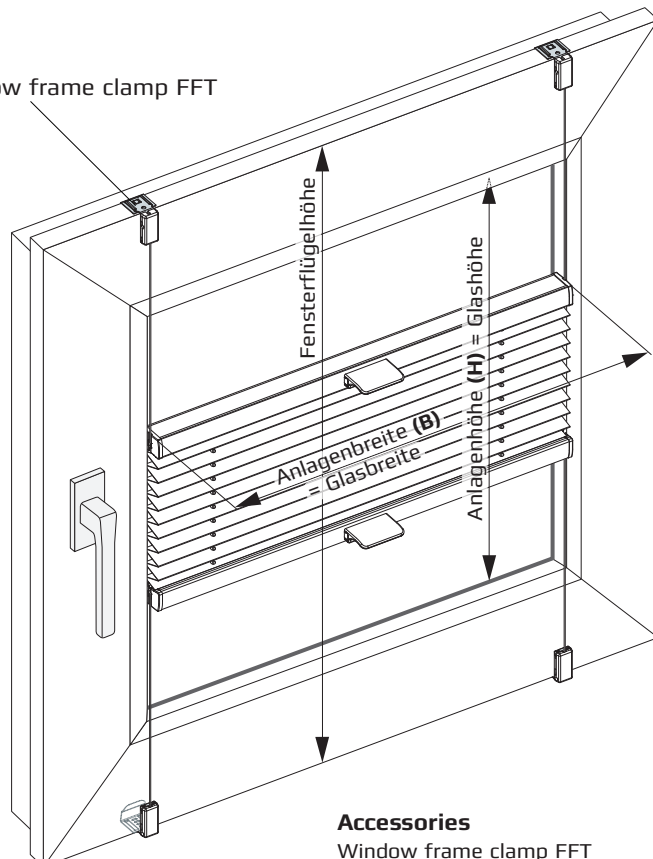
15-24 mm - plastic or wooden windows
7-15 mm - aluminum windows



Pleated blind IN the glazing bead



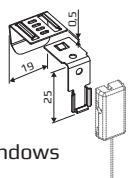
Window frame clamp FFT



Accessories

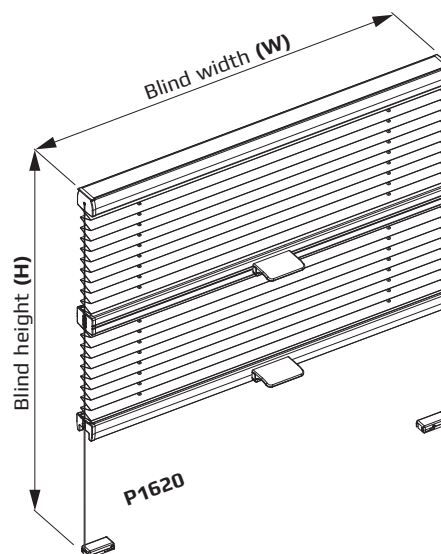
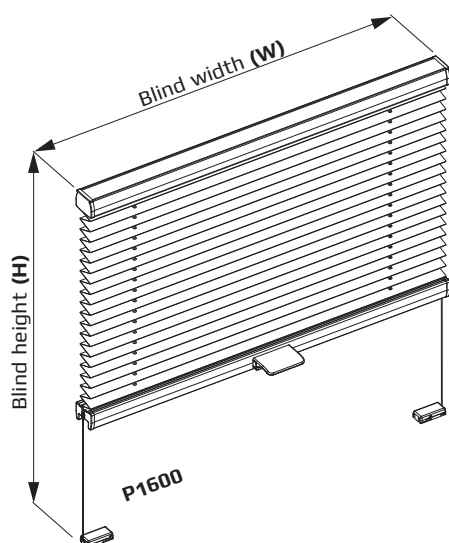
Window frame clamp FFT

15-24 mm - plastic or wooden windows
7-15 mm - aluminum windows



P1600 - Tensioned blind with handle operation and hangings above.

P1620 - Tensioned blind with handle operation and two hangings above.



Dimensions/ Pleated blind measures

- **Width:** min. 0.20 m
max. 1.20 m (Blind height max. 2.20 m)
max. 1.50 m (Blind height max. 1.60 m)
- **Height:** min. 0.20 m
max. 2.20 m
- **Surface:** max. 2.60 m²
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Changes to the cord tensioning possible \pm 5-10 mm (dependent on the material)
- Cords made of polyester yarn, Ø0.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- Locking function of the operation profile on the tightening devices (P1615)

Control

- **Operating handle:** 1 operating handle in the middle up to 1.20 m blind width, 2 operating handles with more than 1.20 m blind width
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

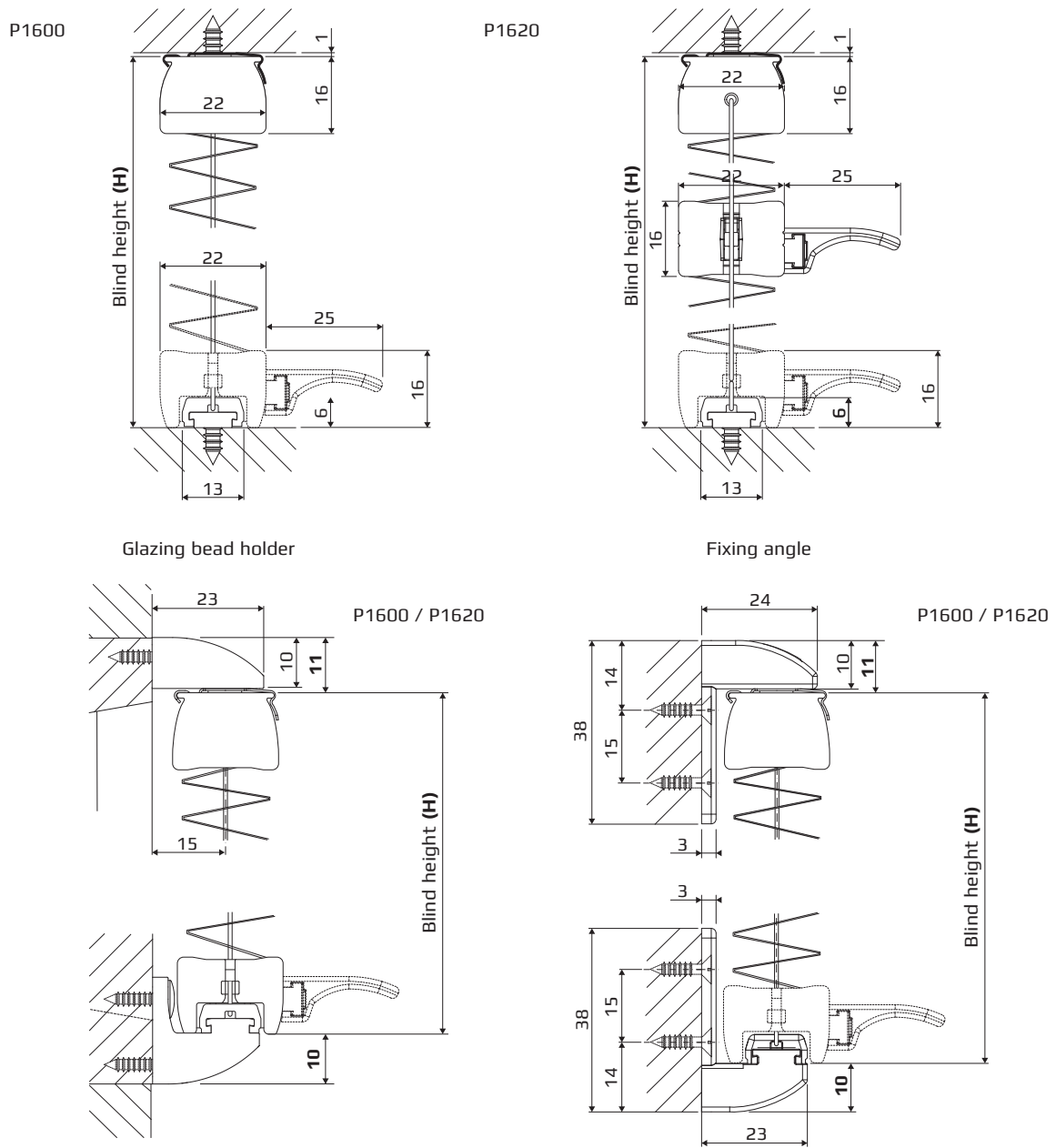
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

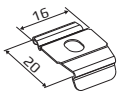
- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm).
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- **Fixing of tightening devices:** Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm)
or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing



Accessories

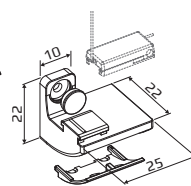
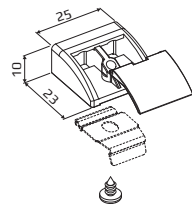
Fixing bracket



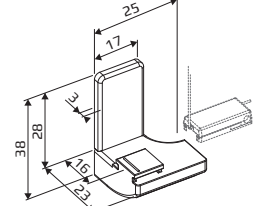
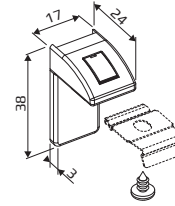
Spannschuhhalter



Glazing bead holder



Fixing angle



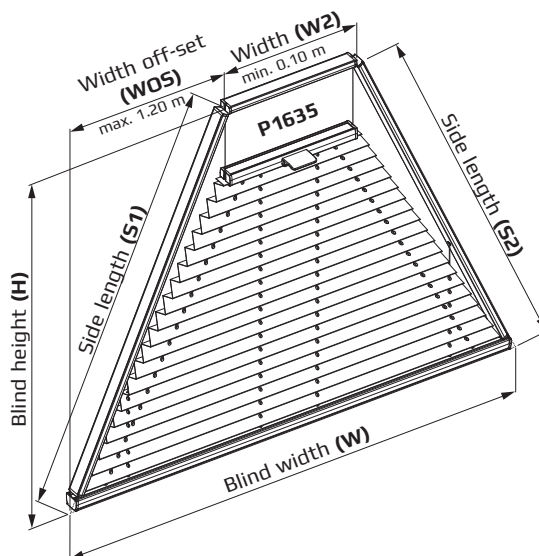
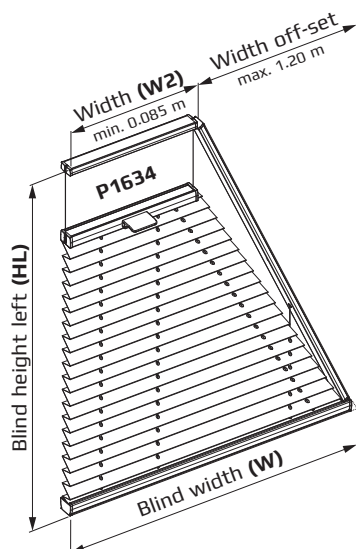
Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P1634 - Tensioned blind with handle operation and slanted hangings on the one side.

P1635 - Tensioned blind with handle operation and slanted hangings on both sides.



Dimensions/ Pleated blind measures

- **Width:** min. 0.20 m (P1634)
min. 0.30 m (P1635)
max. 1.50 m
- **Height:** max. 2.00 m
- **Width off-set:** min. 0.05 m
max. 1.20 m
- **Width W2:** min. 0.085 m (P1634)
- **Width W2:** min. 0.10 m (P1635)
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Elastic ceiling cord Ø1.25 mm
- Cords made of polyester yarn, Ø0.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle up to 1.20 m Blind width **W2**, 2 operating handles with more than 1.20 m blind width **W2**
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- **Width:** 20 mm
- **Height:** 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Upper rail/ Side profile

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

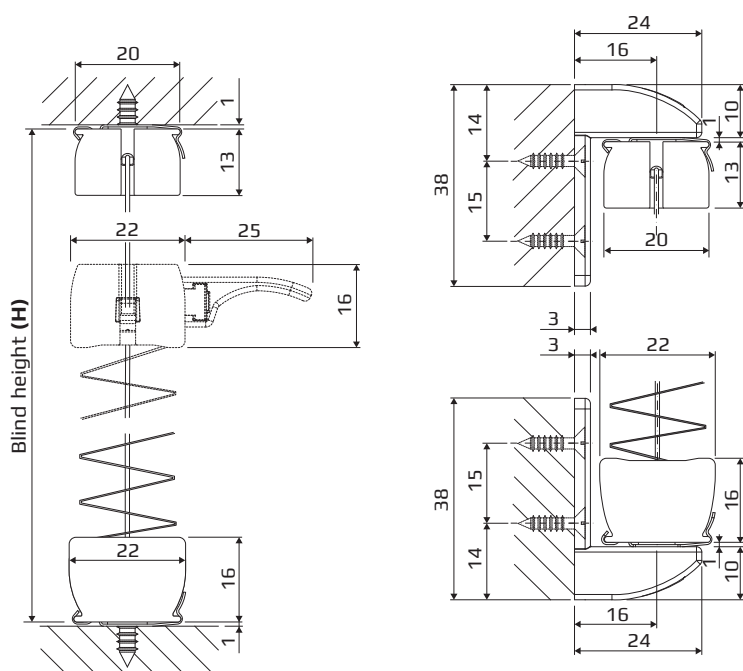
Mounting

- **Fixing of upper, lower and side profiles:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

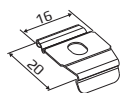
P1634 / P1635

Fixing angle

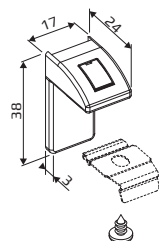


Accessories

Fixing bracket

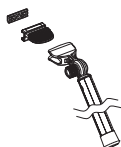


Fixing angle



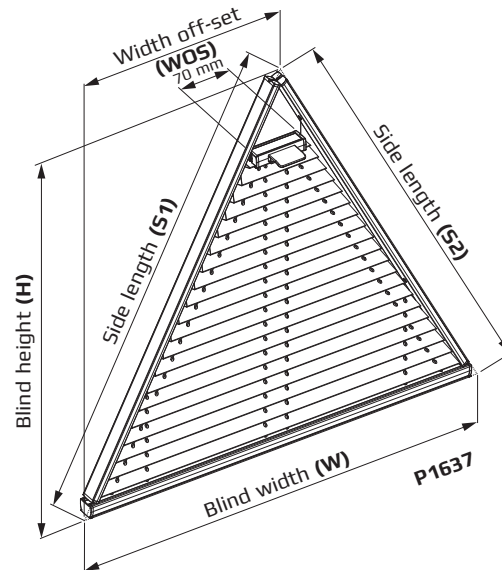
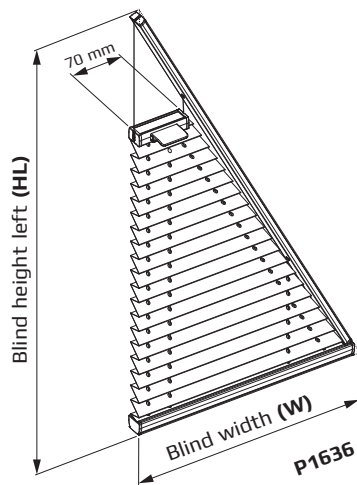
Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P1636 - Tensioned triangle blind with handle operation (right-angled triangle).

P1637 - Tensioned triangle blind with handle operation (isosceles triangle).



Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 1.20 m
- **Height:** min. 0.20 m
max. 2.00 m
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Elastic ceiling cord Ø1.25 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm

Oberseite

- **Width:** 20 mm
- **Height:** 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

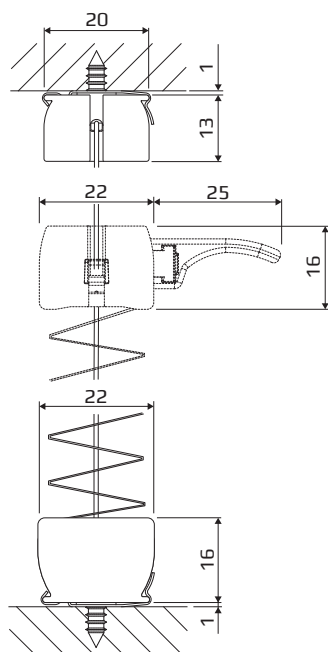
- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

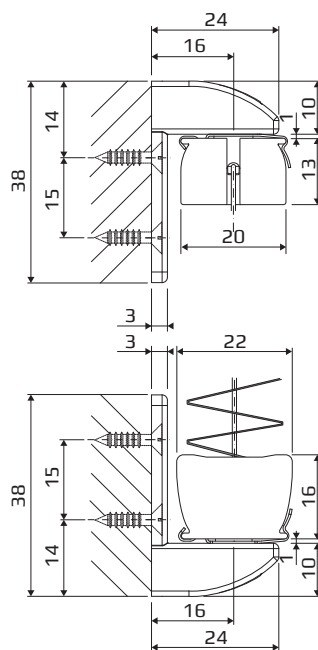
- **Fixing of upper, lower and side profiles:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

P1636 / P1637

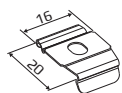


Fixing angle

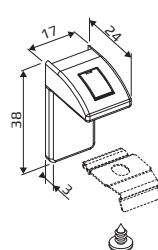


Accessories

Fixing bracket

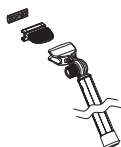


Fixing angle

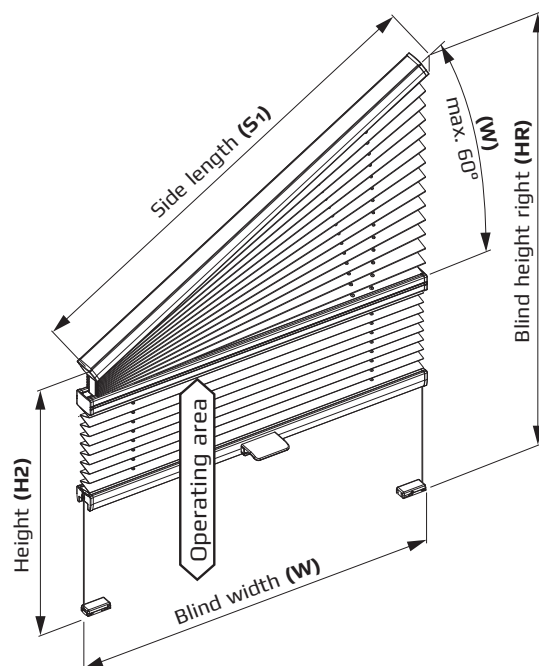


Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P1650 - Tensioned slope blind with handle operation.

Dimensions/
Pleated blind measures

- **Width:** min. 0.30 m
max. 1.50 m (dependent on the angle)
- **Width W2** max. 2.00 m up to 60°
max. 2.20 m up to 30°
- **Height (HR or HL):** min. 0.20 m
max. 3.00 m (see measurement chart triangular blinds on page 3)
- **Height H2** min. 0.10 m
max. 1.50 m (Blind width max. 1.50 m)
max. 2.20 m (Blind width max. 1.20 m)
- **Blind angle:** 5-60°
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operating handle in the middle up to 1.20 m blind width, 2 operating handles with more than 1.20 m blind width
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

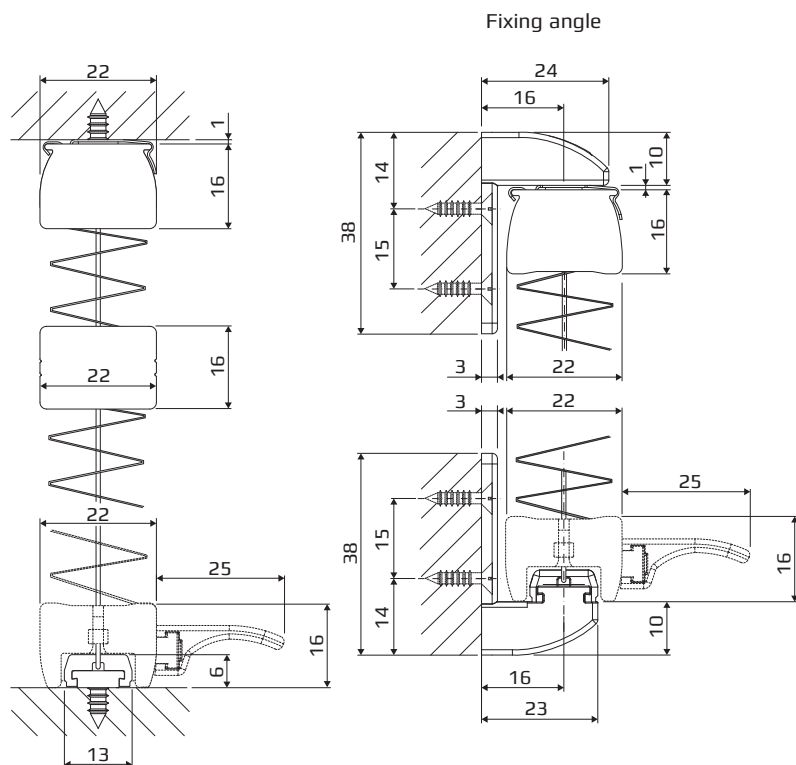
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

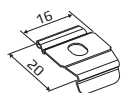
- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
Fixing of tightening devices: Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm) or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing



Accessories

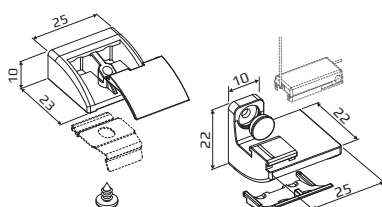
Fixing bracket



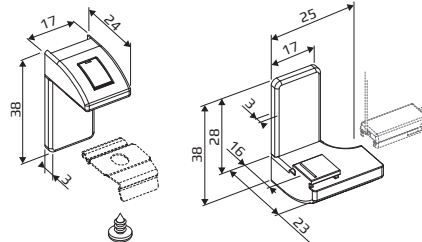
Tension shoe holder



Glazing bead holder



Fixing angle



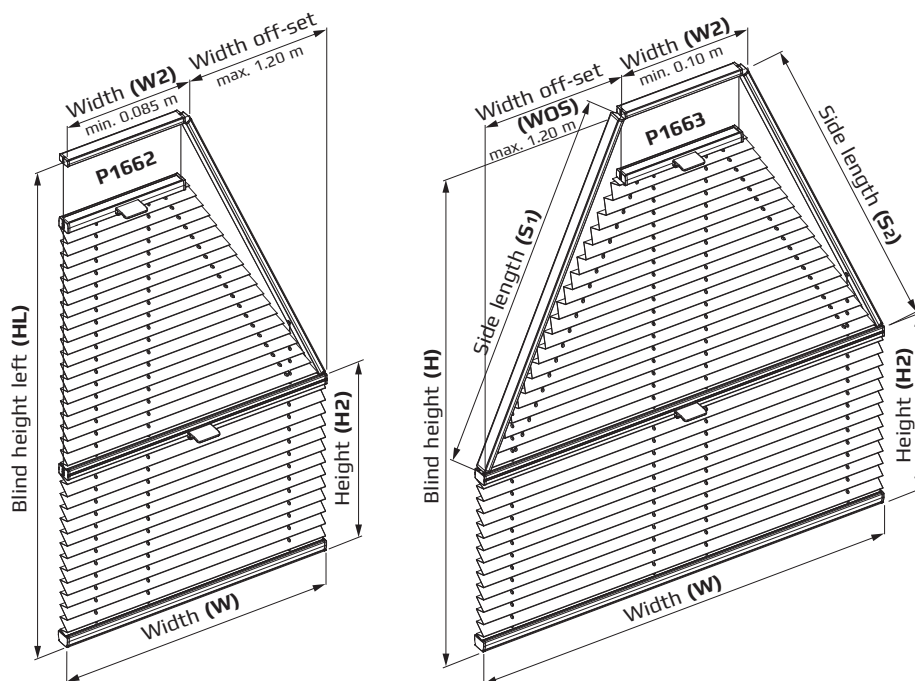
Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P1662 - Tensioned pentagon blind with handle operation.

P1663 - Tensioned hexagon blind with handle operation.



Dimensions/ Pleated blind measures

- **Width:**
 - min. 0.20 m (Type P1662)
 - min. 0.30 m (Type P1663)
 - max. 1.20 m (Blind height max. 2.00 m)
 - max. 1.50 m (Blind height max. 1.50 m)
- **Height (HR or HL):**
 - min. 0.20 m
 - max. 2.00 m
- **Height H2**
 - min. 0.10 m
 - max. 1.50 m (Blind width max. 1.50 m)
 - max. 1.90 m (Blind width max. 1.20 m)
- **Width off-set:**
 - min. 0.05 m
 - max. 1.20 m
- **Width W2:**
 - min. 0.085 m (Type P1662)
 - max. 1.45 m
- **Width W2:**
 - min. 0.10 m (Type P1663)
 - max. 1.40 m
- **Inclination angle:**
 - max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Elastic ceiling cord Ø1.25 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle up to 1.20 m Blind width (2 operating handles with more than 1.20 m blind width)
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- **Width:** 20 mm
- **Height:** 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Upper rail/ Side profile

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

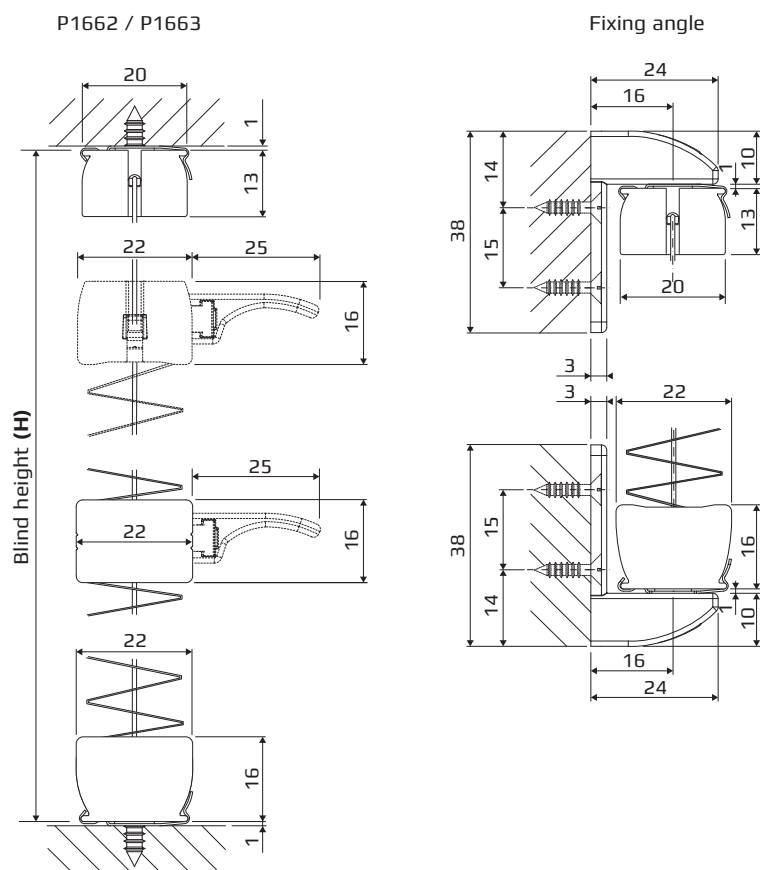
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

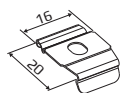
- **Fixing of upper, lower and side profiles:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

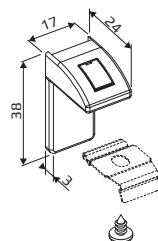


Accessories

Fixing bracket

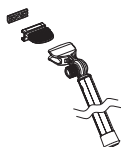


Fixing angle



Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)

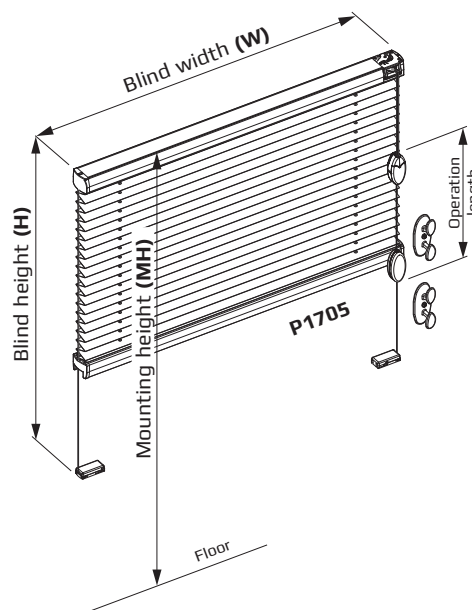
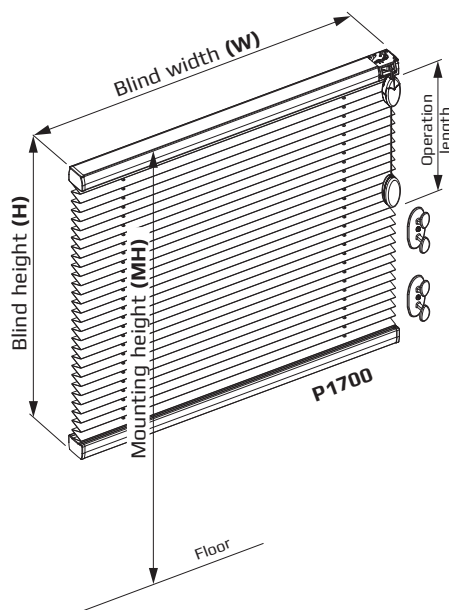


P1700 - Free-hanging blind with pull-cord operation.

P1705 - Free-hanging blind with pull-cord operation incl. cord guiding.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 2.20 m
- **Height:** min. 0.20 m
max. 2.60 m
- **Surface:** max. 5.70 m²
- **Inclination angle:** max. 15°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of a cord brake
- Closed cord system
- Cords made of polyester yarn, Ø0.8 mm
- Pull cord made from polyester yarn, diameter of 2.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** integrated cord lock without castor
- **Operating side:** left or right
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

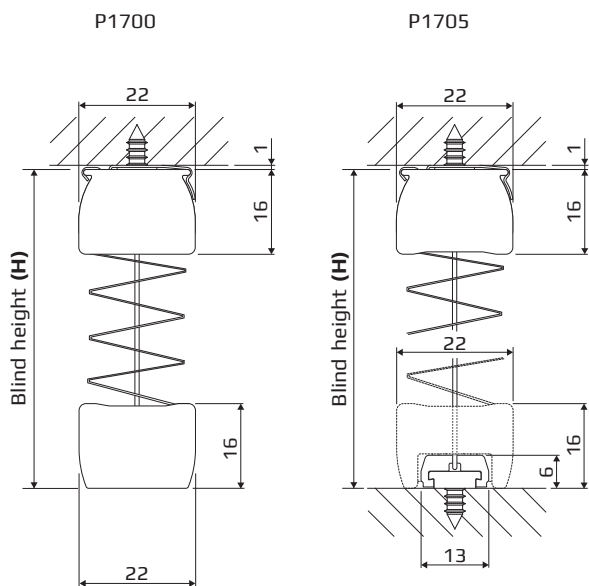
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm)
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- **Fixing of tightening devices:** Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm)
or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

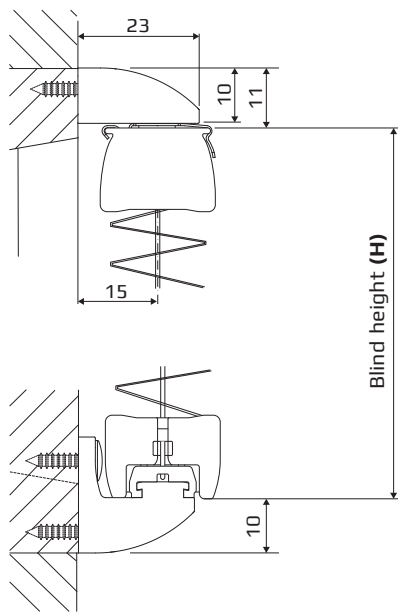
Shuttle protection: (Type P1705)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

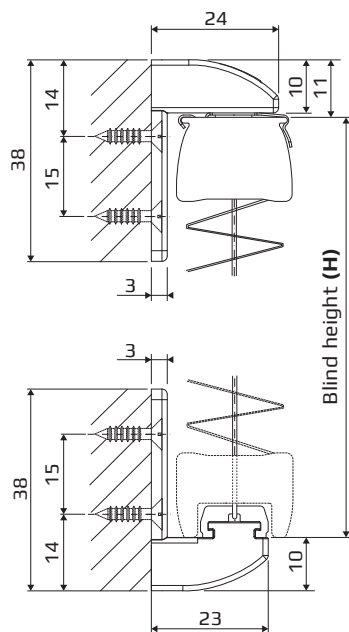
Fixing



Glazing bead holder

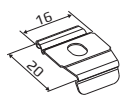


Fixing angle



Accessories

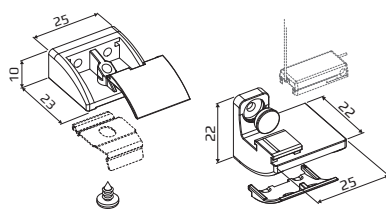
Fixing bracket



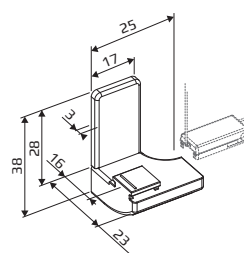
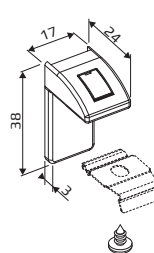
Tension shoe holder



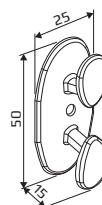
Glazing bead holder



Fixing angle



Cord cleat

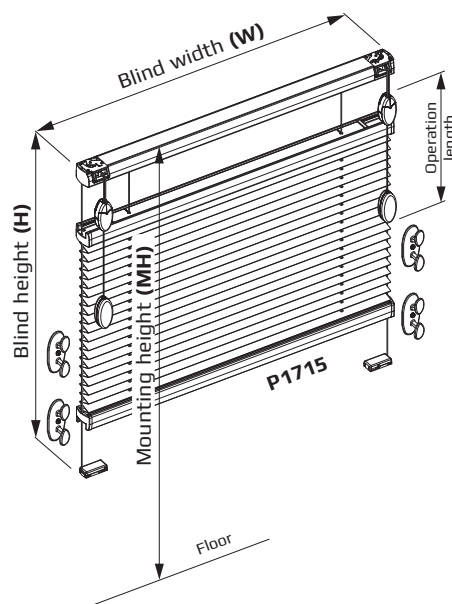
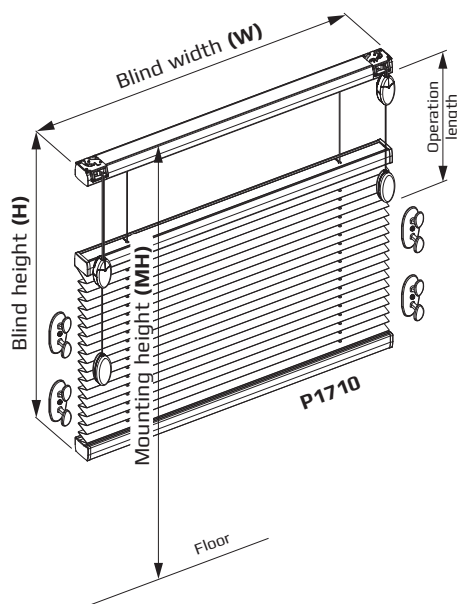


P1710 - Free-hanging blind with two pull-cord operating devices and changeable hangings.

P1715 - Free-hanging blind with two pull-cord operating devices and changeable hangings incl. cord guiding.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 2.20 m
- **Height:** min. 0.20 m
max. 2.60 m
- **Surface:** max. 5.70 m²
- **Inclination angle:** max. 15°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of a cord brake
- Closed cord system
- Cords made of polyester yarn, Ø0.8 mm
- Pull cord made from polyester yarn, diameter of 2.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** integrated cord lock without castor
- **Operating side:** left and right
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm)
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- **Fixing of tightening devices:** Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm)
or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Shuttle protection: (Type P1715)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

P1715

24

38

14

15

10

11

3

Blind height (H)

3

38

14

15

10

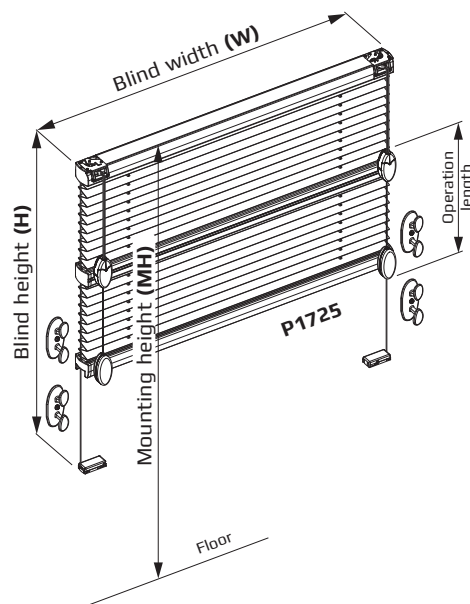
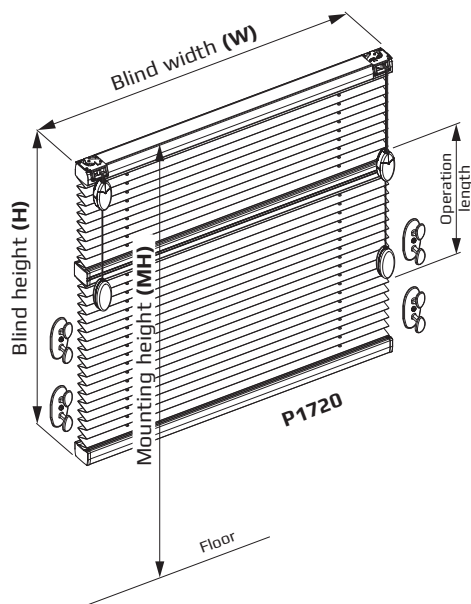
23

P1720 - Free-hanging blind with two pull-cord operating devices and two hangings.

P1725 - Free-hanging blind with two pull-cord operating devices and two hangings incl. cord guiding.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 2.20 m
- **Height:** min. 0.20 m
max. 2.60 m
- **Surface:** max. 5.70 m²
- **Inclination angle:** max. 15°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of a cord brake
- Closed cord system
- Cords made of polyester yarn, Ø0.8 mm
- Pull cord made from polyester yarn, diameter of 2.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** integrated cord lock without castor
- **Operating side:** left and right
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

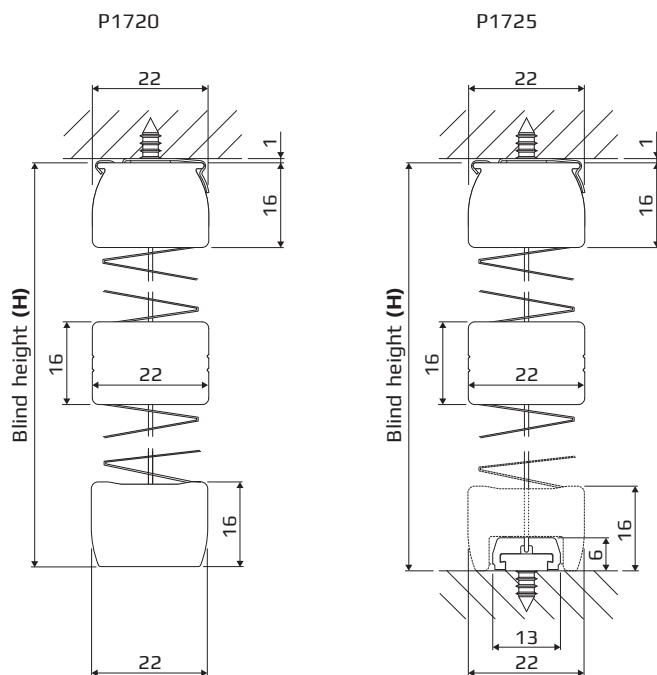
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- **Fixing of tightening devices:** Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm) or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

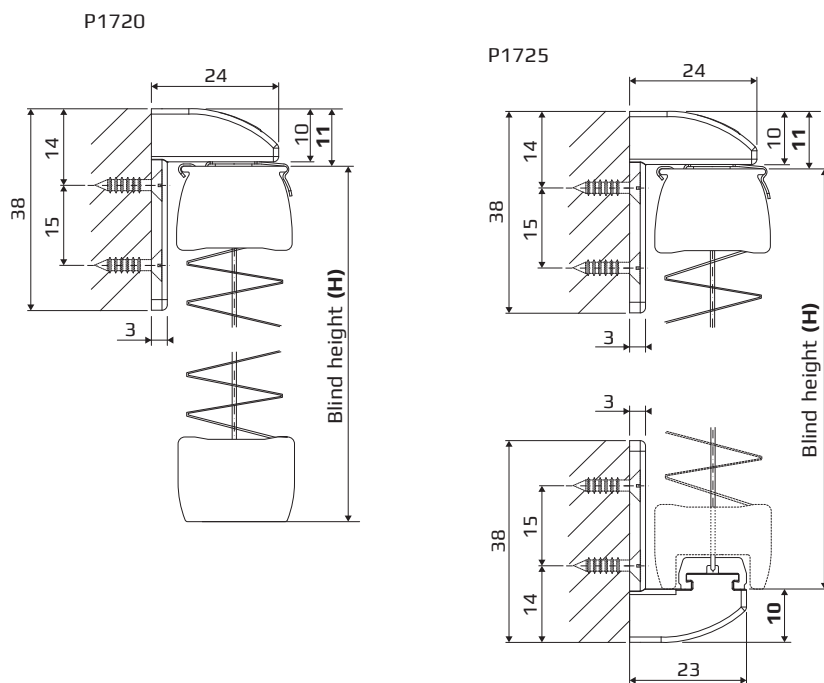
Shuttle protection: (Type P1725)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

Fixing

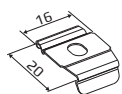


Fixing angle



Accessories

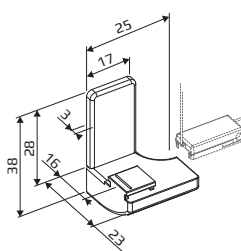
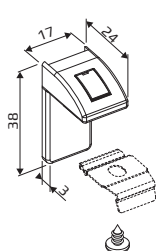
Fixing bracket



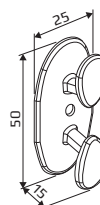
Tension shoe holder



Fixing angle



Cord cleat

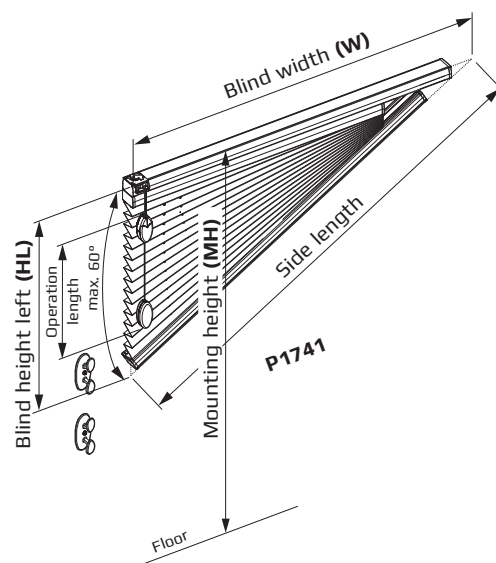
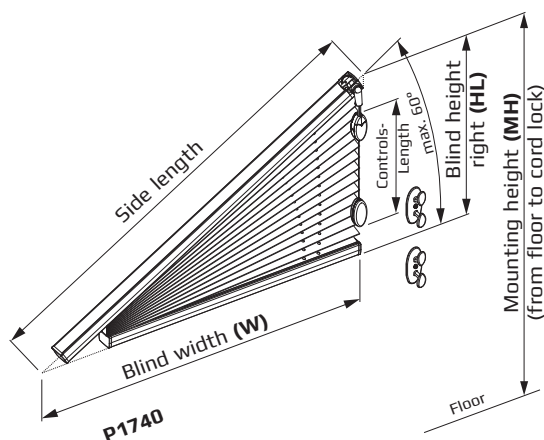


P1740 - Free-hanging triangle blind with pull-cord operation.

P1741 - Tensioned triangle blind with pull-cord operation.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Blind width:** min. 0.50 m
max. dependent on side length
- **Side length** max. 2.00 m up to 60°
max. 2.20 m up to 30°
- **Height (HR or HL):** min. 0.10 m
max. 1.70 m (see measurement chart triangular blinds on page 3)
- **Blind angle:** 5-60°
- **Inclination angle:** max. 15° (P1741)
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Pull cord made from polyester yarn, diameter of 2.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** integrated cord lock without castor
- **Operating side:** optionally left or right
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

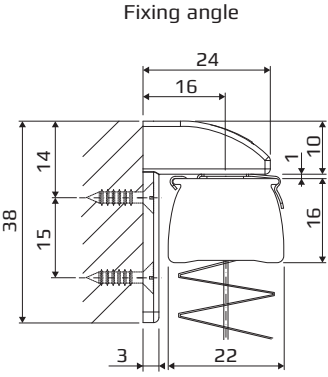
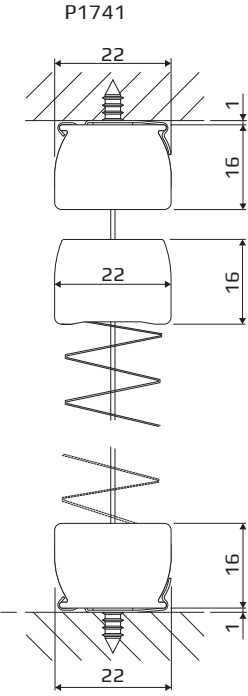
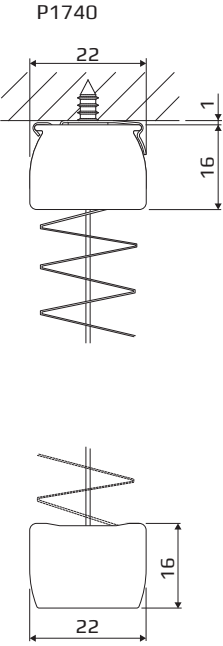
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

Mounting

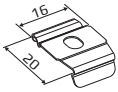
- **Fixing of upper and lower profiles** (Type P1741): Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- **Fixing of upper rail** (Type P1740): Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

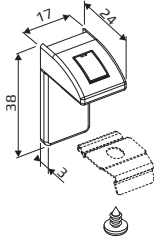


Accessories

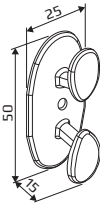
Fixing bracket



Fixing angle



Cord cleat

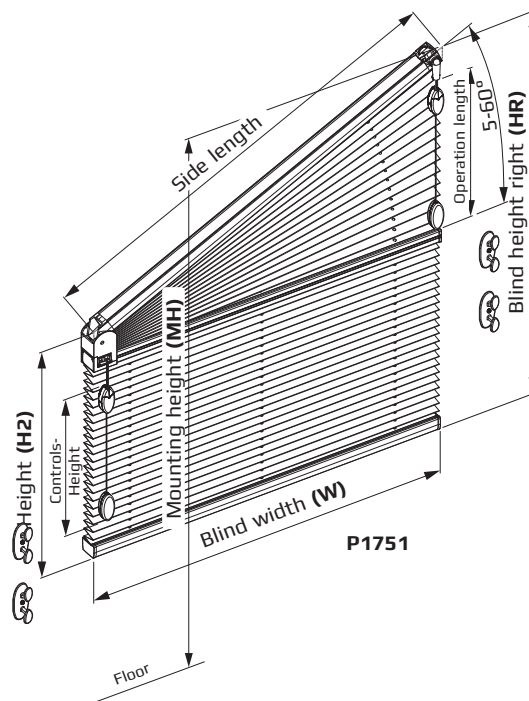
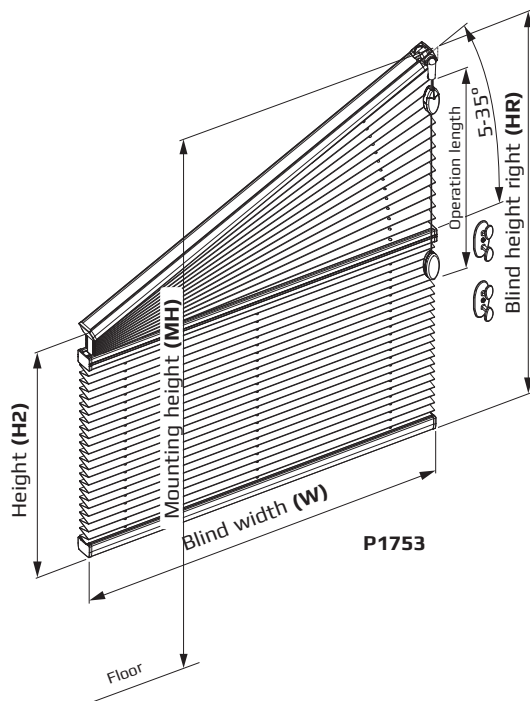


P1753 - Free-hanging Slope blind with pull-cord operation above and below.

P1751 - Free-hanging Slope blind with pull-cord operation above and below.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures P1753

- **Width:** min. 0.30 m
max. 1.00 m
- **Height (HR or HL):** min. 0.20 m
max. 2.60 m
- **Height H2** min. 0.10 m
- **Blind angle:** 5-35°
- **Mounting height:** min. 1.50 m

P1751

- **Width:** min. 0.30 m
max. dependent on side length
- **Side length:** max. 2.00 m up to 60°
max. 2.20 m up to 30°
- **Height (HR or HL):** min. 0.20 m
max. 3.00 m (see diagram page 3)
- **Height H2** min. 0.10 m
max. 2.60 m (Blind width max. 2.20 m)
- **Blind angle:** 5-60°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Cords made of polyester yarn, Ø0.8 mm
- Pull cord made from polyester yarn, diameter of 2.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** Integrated cord lock without castor
- **Position:** optionally above and below (P1753), above and below (P1751)
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

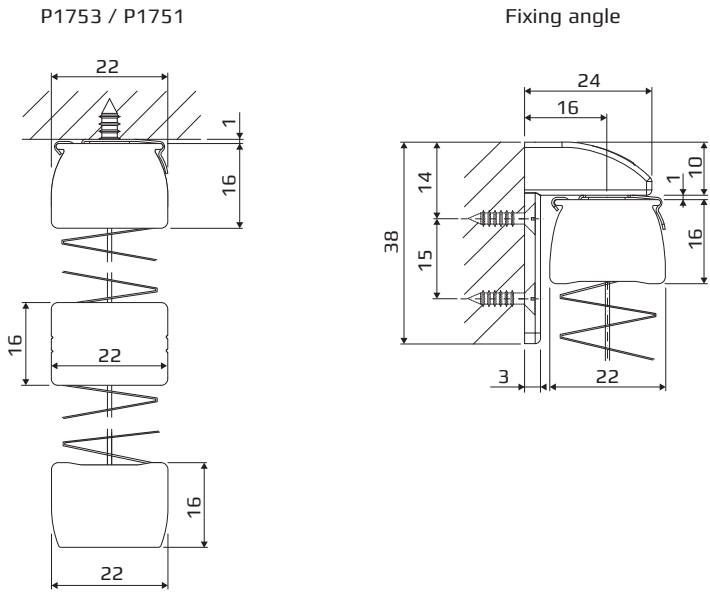
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

Mounting

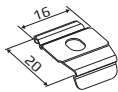
- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

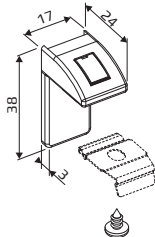


Accessories

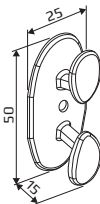
Fixing bracket



Fixing angle

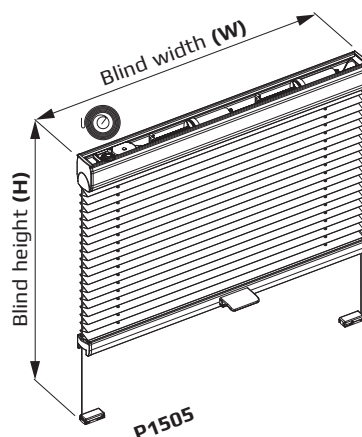
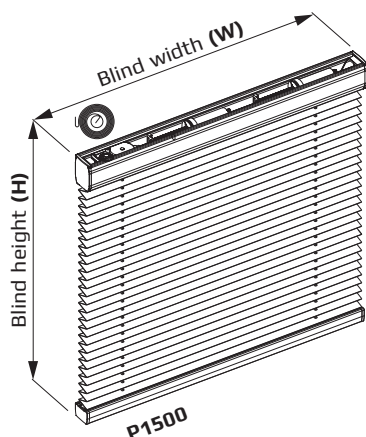


Cord cleat



P1500 - Free-hanging blind and spring mechanism operation.

P1505 - Free-hanging blind and spring mechanism operation incl. cord guiding.



Dimensions/ Pleated blind measures

- **Width:** min. 0.45 m
max. 1.20 m (Blind height max. 2.00 m)
max. 1.50 m (Blind height max. 1.50 m)
- **Height:** min. 0.20 m
max. 2.00 m
- **Surface:** max. 2,40 m²

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hanging can be stopped at any position using spring mechanism
- Closed cord system
- Cords made of polyester yarn, Ø1.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Hand control:** Spring mechanism (bottom profile is moved manually), P1505 with operating handle
Optional: control rod (anodized aluminium rod E6/EV1) with plastic joint and endcap in black

Upper rail

- **Width:** 27 mm
- **Height:** 34.5 mm

Lower rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Exception: Blackout and Honeycomb blackout
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

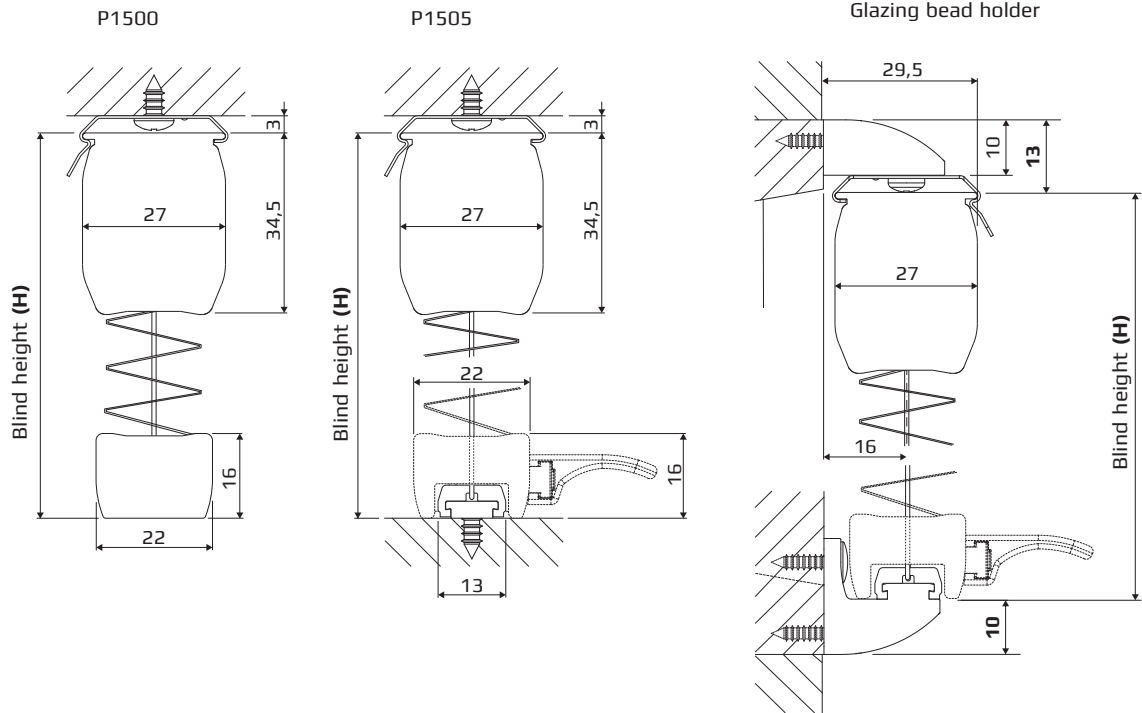
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm)
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
Fixing of tightening devices: Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm)
or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

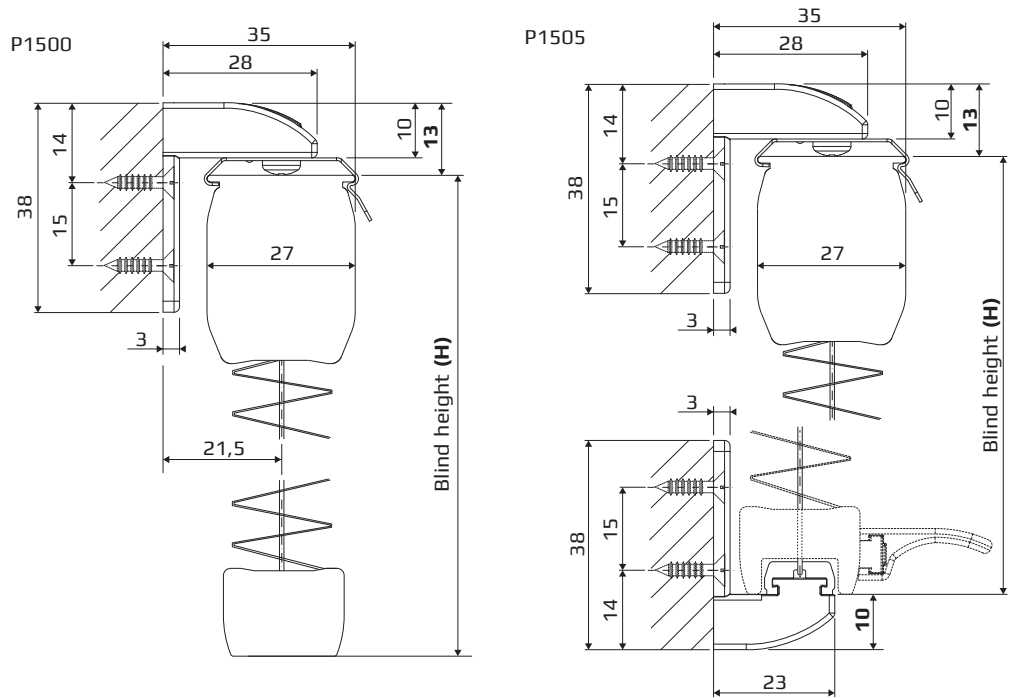
Shuttle protection: (Type P1505)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

Fixing

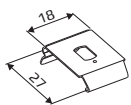


Fixing angle



Accessories

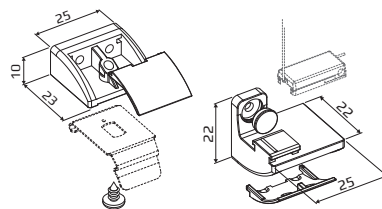
Fixing bracket



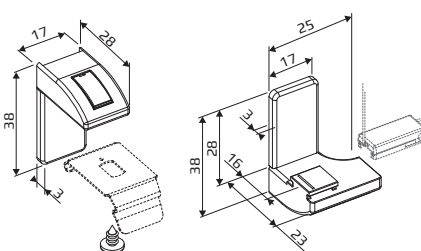
Tension shoe holder



Glazing bead holder



Fixing angle

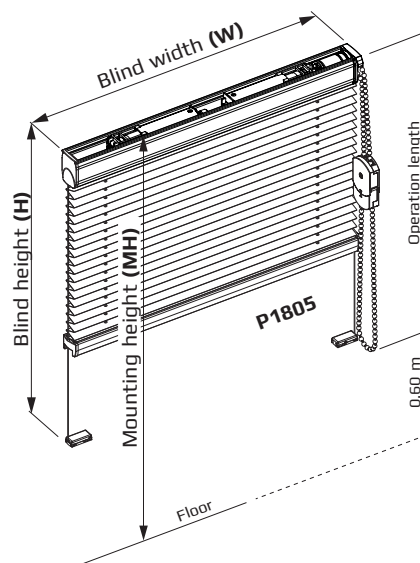
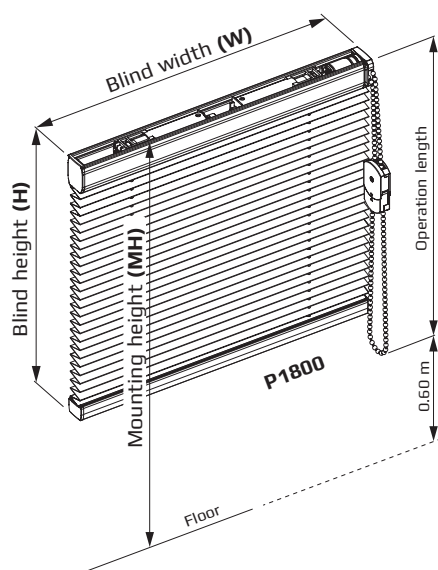


P1800 - Free-hanging blind and chain hoist operation.

P1805 - Free-hanging blind and chain hoist operation incl. cord guiding.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Width:** min. 0.40 m
max. 2.20 m
- **Height:** min. 0.20 m
max. 2.60 m
- **Surface:** max. 5.70 m²
- **Inclination angle:** max. 15°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of a chain hoist mechanism
- Closed cord system
- Cords made of polyester yarn, Ø1.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Chain operation:** Plastic ball chain Ø4.5 x 6.0 mm on a polyester cord Ø1.4 mm with chain safety device (see page 7)
- **Operating side:** left or right
- **Operation length:** freely selectable (up to 0.60 m from the floor)

Upper rail

- **Width:** 27 mm
- **Height:** 34.5 mm

Lower rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

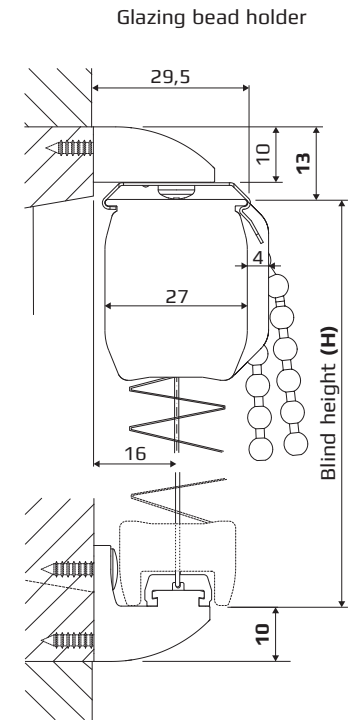
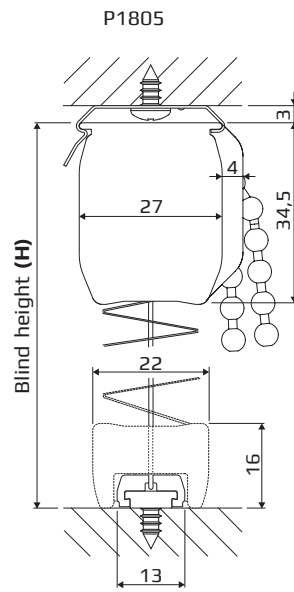
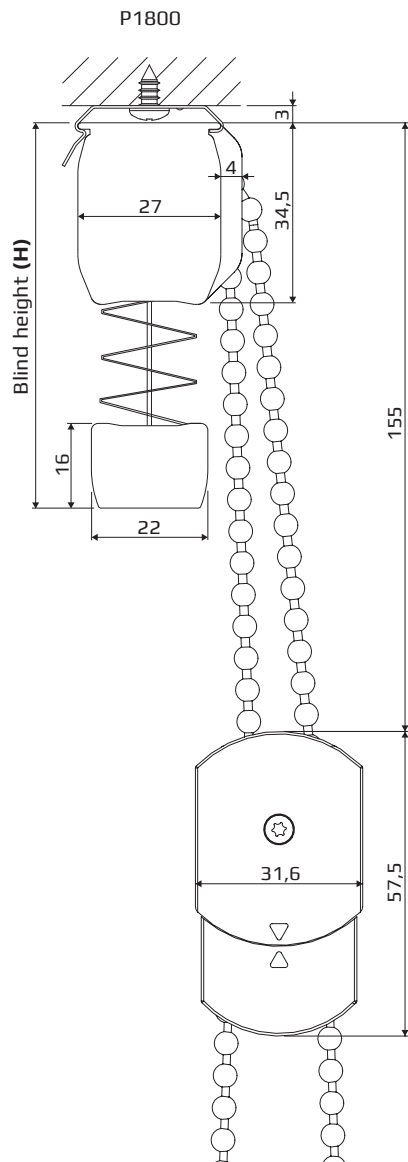
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm)
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
Fixing of tightening devices: Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm)
or screw the glazing bead holder onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

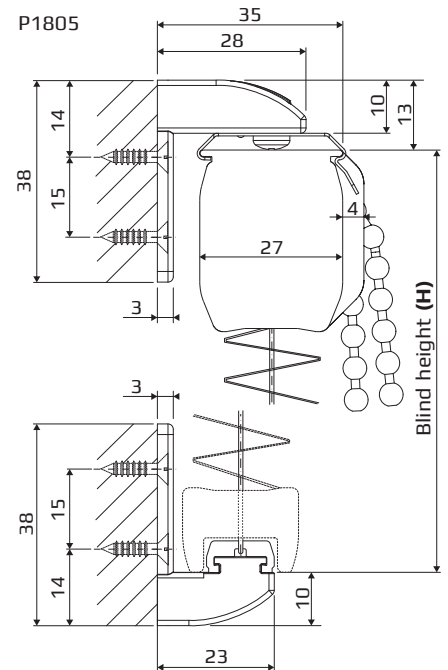
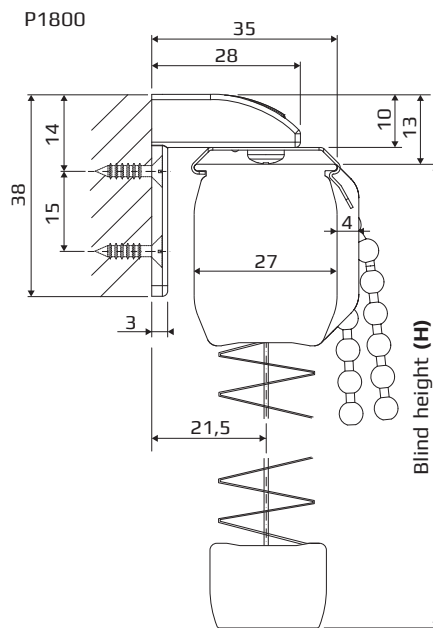
Shuttle protection: (Type P1805)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

Fixing

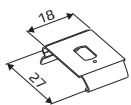


Fixing angle



Accessories

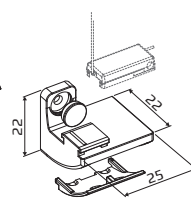
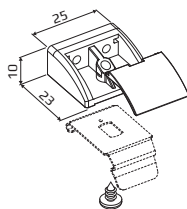
Fixing bracket



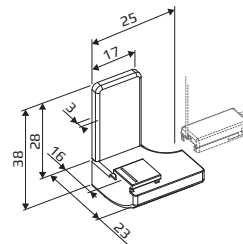
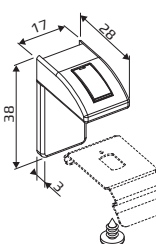
Tension shoe holder



Glazing bead holder

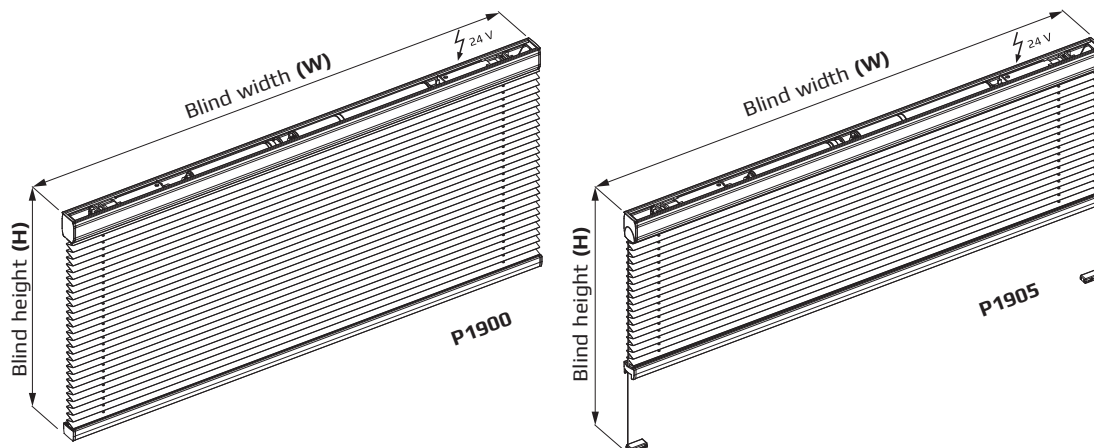


Fixing angle



P1900 - Free-hanging blind and motor operation.

P1905 - Free-hanging blind and motor operation incl. cord guiding.



Dimensions/ Pleated blind measures

- **Width:** min. 0.70 m
max. 2.20 m
- **Height:** min. 0.20 m
max. 2.60 m
- **Surface:** max. 5.70 m²
- **Inclination angle:** max. 15°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of motor drive
- Closed cord system
- Cords made of polyester yarn, Ø1.2 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Engine specifications

- **Standard engine / Stronger engine**
Central drive with integrated brake and minimal generation of noise. Travel limits of the machine by means of stopper/spindle blocking device. Measurement: Ø24 x 201 mm • Max. size for the hangings: 3 m² / 5 m²
• Voltage rating: 24 V DC • Connection: 2.5 m cable • rated torque: 0.4 Nm / 0.8 Nm
• Rated speed: 40 min⁻¹ / 30 min⁻¹ • Max. power consumption: 0.45 A / 0.6 A • Power capacity: 11 W / 14 W
• Operating temperature: -10 up to +60 °C • Type of protection: IP40.

Upper rail

- **Width:** 27 mm
- **Height:** 34.5 mm

Lower rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

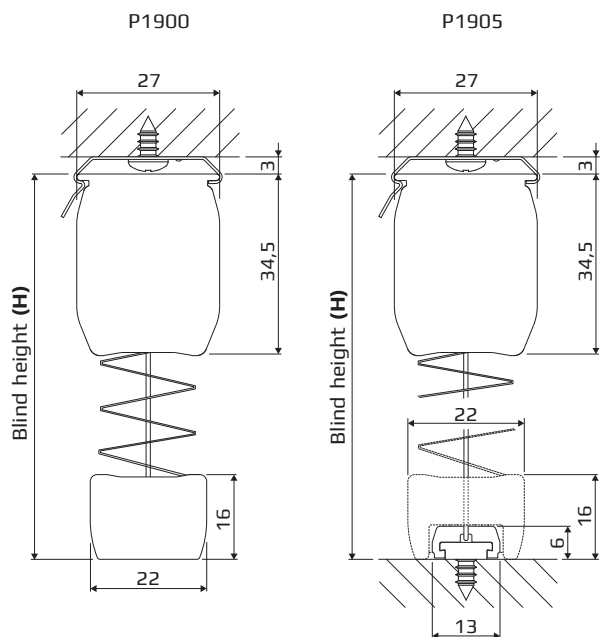
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
Fixing of tightening devices: Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 Ø3.9 x 13 mm) or screw the fixing angle onto the window frame (DIN 7982 Ø3.9 x 13 mm).

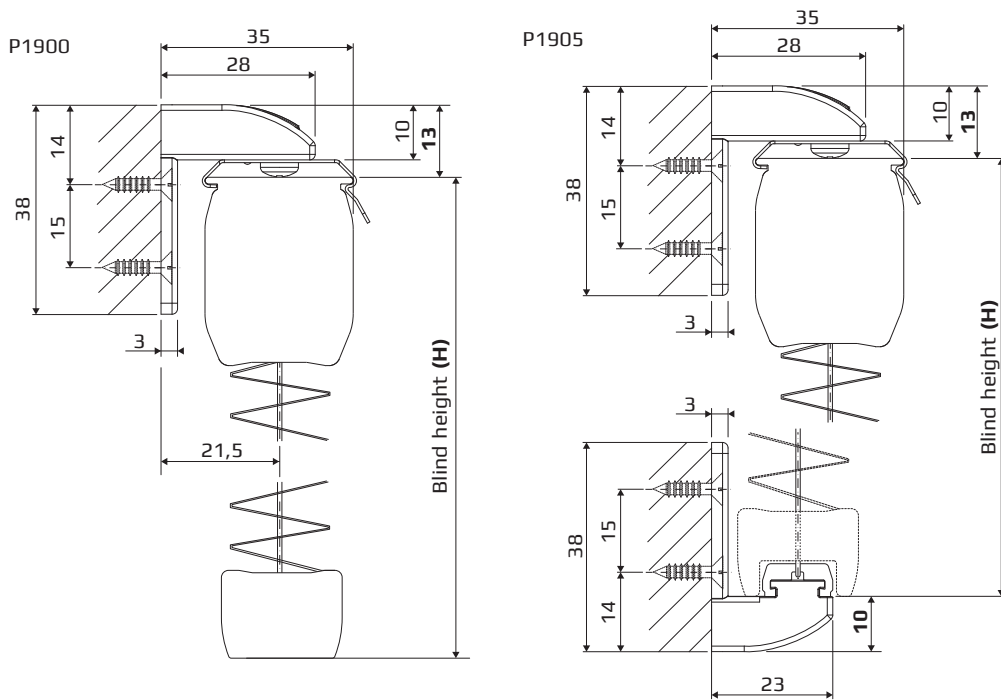
Shuttle protection: (Type P1905)

- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices

Fixing

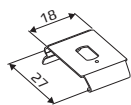


Fixing angle



Accessories

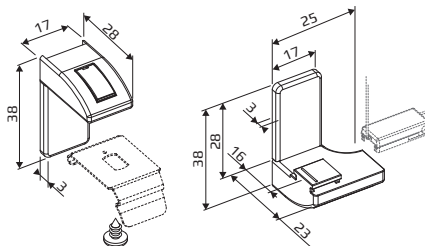
Fixing bracket

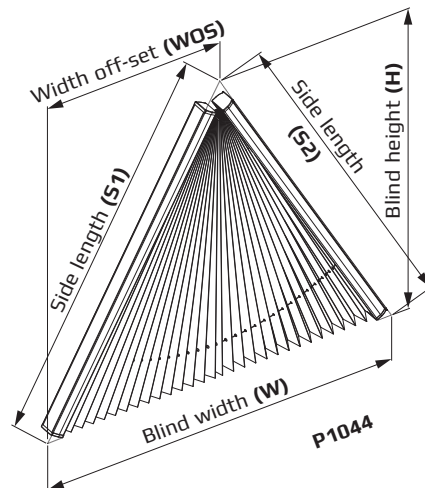
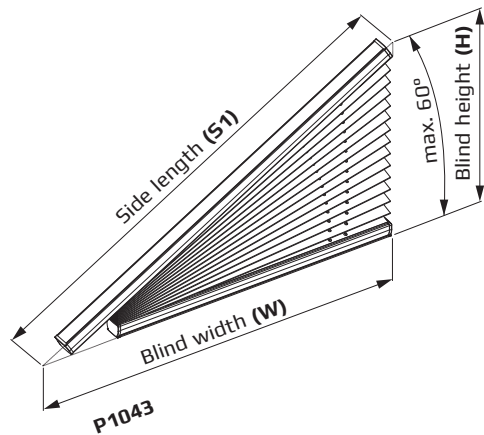


Tension shoe holder



Fixing angle



P1043 - Fixed triangle blind.**P1044 - Fixed triangle blind (isosceles or non-isosceles triangle).****Dimensions/
Pleated blind measures**

- **Width:** min. 0.20 m
min. 0.40 m (P1043)
max. 1.50 m
max. dependent on S1 (P1043)
- **Height:** min. 0.20 m
max. 1.50 m
- **Blind angle:** 5-60° (P1043)

Gear/Hardware

- Pleated fabric between two profile rails
- Fixed fabric hangings
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Wide arch made from V2A, diameter of 2.5 mm (Type P1044)
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Fixed blind**

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

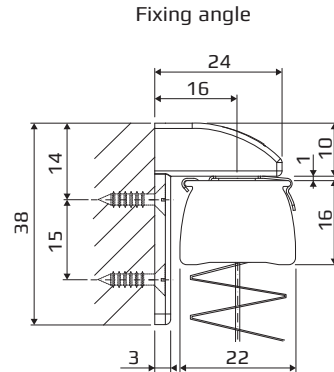
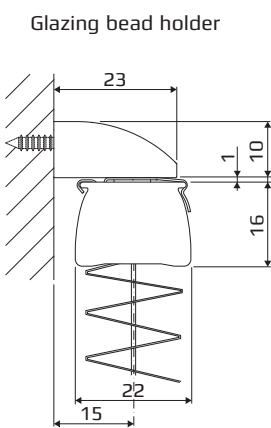
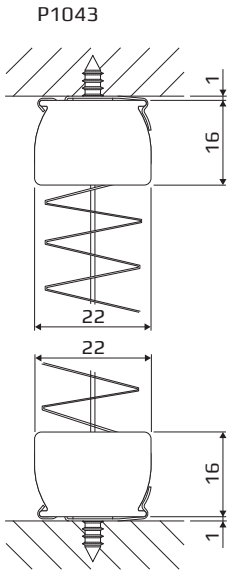
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.40 or 0.60 m (dependent on the material)

Mounting

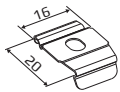
- **Fixing of upper, lower and side profiles:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm).
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

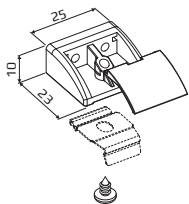


Accessories

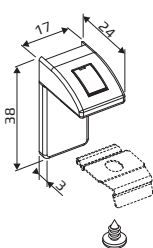
Fixing bracket



Glazing bead holder

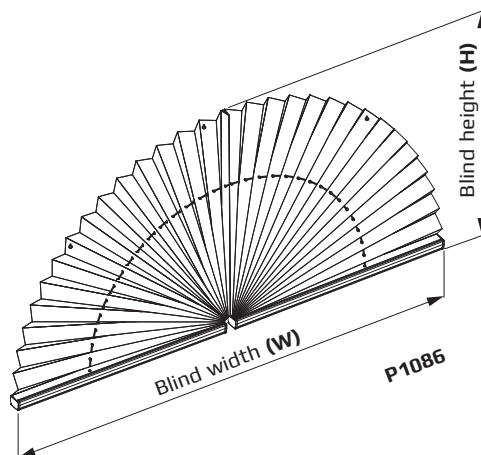
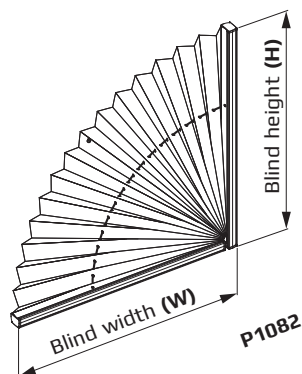


Fixing angle



P1082 - Fixed blind 90° (quadrant).

P1086 - Fixed triangle blind 180° (semicircle).



**Dimensions/
Pleated blind measures**

- **Width:** min. 0.20 m
max. 1.00 m (Type P1082)
max. 1.50 m (Type P1086)
- **Height:** min. 0.20 m
max. 1.00 m (Type P1082)
max. 0.75 m (Type P1086)

Gear/Hardware

- Pleated fabric between two profile rails
- Fixed fabric hangings
- Wide arch made from V2A, diameter of 2.5 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Fixed blind**

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø 6.0 mm) for wire arches

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

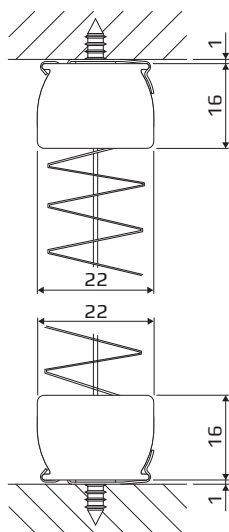
- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guide bracket

Mounting

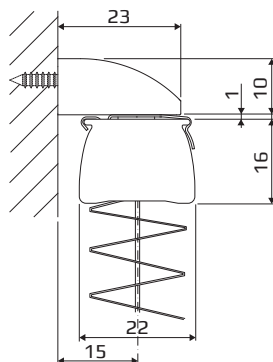
- **Fixing of profile rails:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm).
or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 Ø2.9 x 9.5 mm)
or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).

Fixing

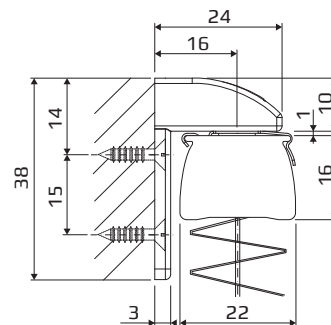
P1082 / P1086



Glazing bead holder

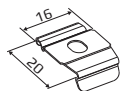


Fixing angle

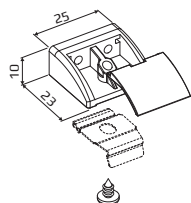


Accessories

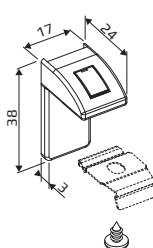
Fixing bracket



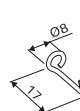
Glazing bead holder

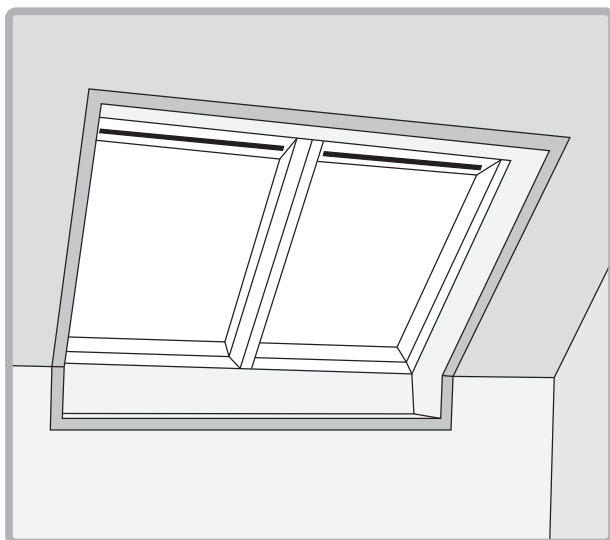


Fixing angle



Hook



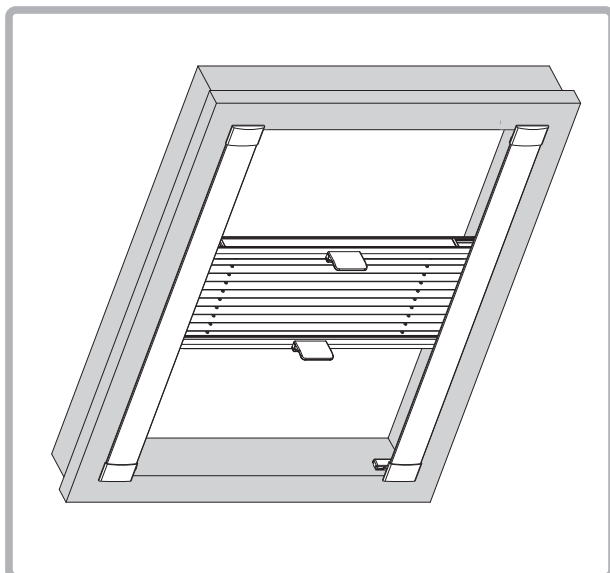


Tensioned roof window units
with operating handle.

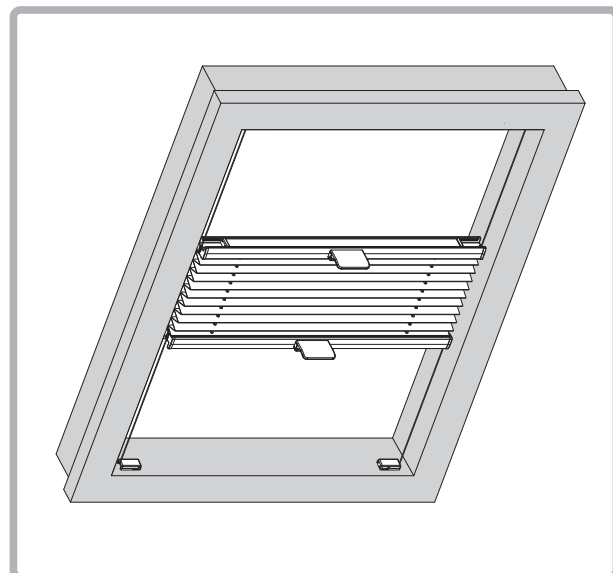
For roof windows with a maximum tilt of 60°.

Installation widths: from 0.20 - 1.50 m

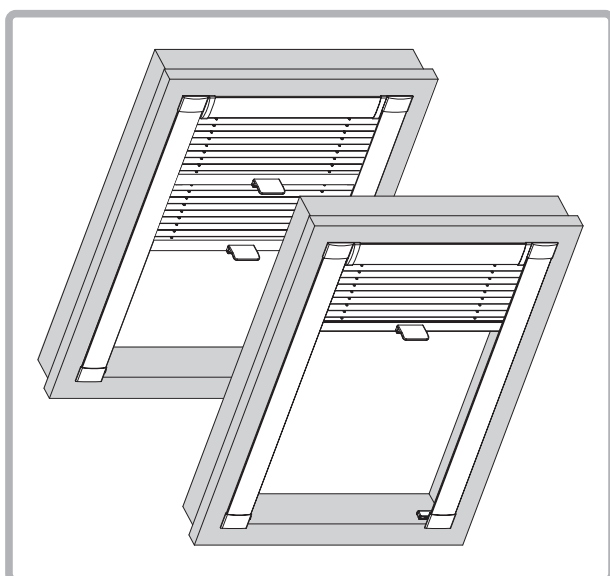
Installation heights: up to 1.50 m



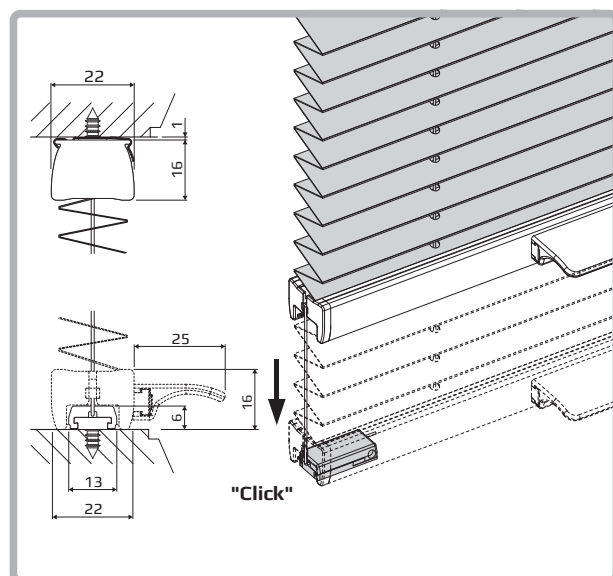
Tensioned roof window unit with operating handle and
variable hanging. Type P2616 with **side guide rails**
(providing for excellent shading and easy installation).



Tensioned roof window unit with operating handle and
variable hanging. Type P2615 with **cable tensioning**.



Additional masking profile and hanging at top or
two hangings (day-night) - two different hangings are
combined in one unit and can be operated independently
of each other.

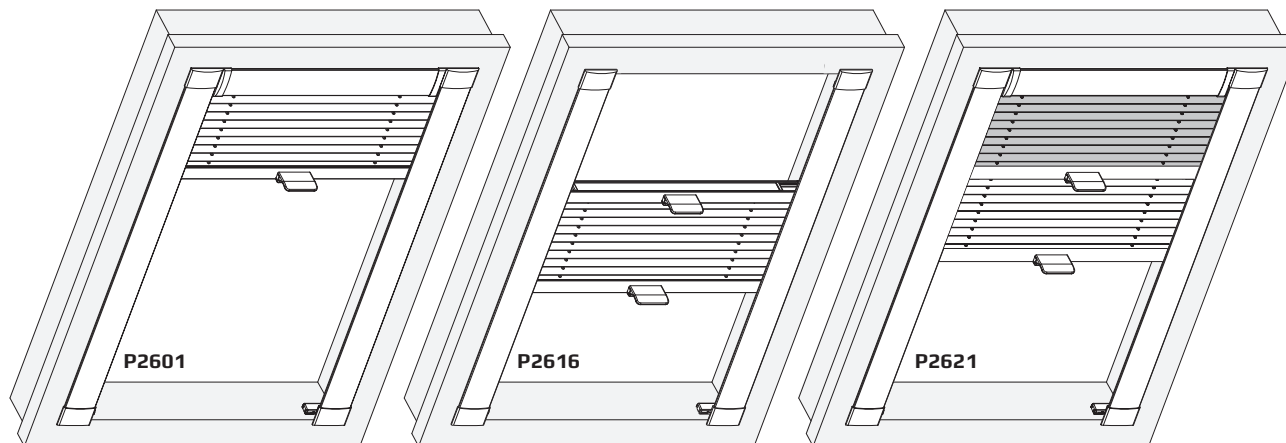


Fixing with especially flat clip (gap less than 1 mm) and
a **clamping shoe** that is **completely covered by the**
operating profile (no gap).
Operating profile with **locking function**.

P2601 - Tensioned roof window blind with handle operation and hangings above, two side profiles and one profile above.

P2616 - Tensioned roof window blind with handle operation and changeable hangings and two side profiles.

P2621 - Tensioned blind with handle operation and two hangings above (day/night), two side profiles and one profile above.



Dimensions/ Pleated blind measures

- **Width:** min. 0.20 m
max. 1.50 m
- **Height:** min. 0.20 m
max. 1.50 m
- **Surface:** max. 2.25 m²
- **Inclination angle:** max. 60°
- **Frame depth:** min. 38 mm

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Changes to the cord tensioning possible \pm 5-10 mm (dependent on the material)
- Cords made of polyester yarn, Ø0.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- Locking function of the operation profile on the tightening devices

Control

- **Operating handle:** 1 operating handle in the middle up to 1.20 m blind width, 2 operating handles
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- **Width:** 38 mm
- **Depth:** 39 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Masking profile

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016) and beige (RAL 1015)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige

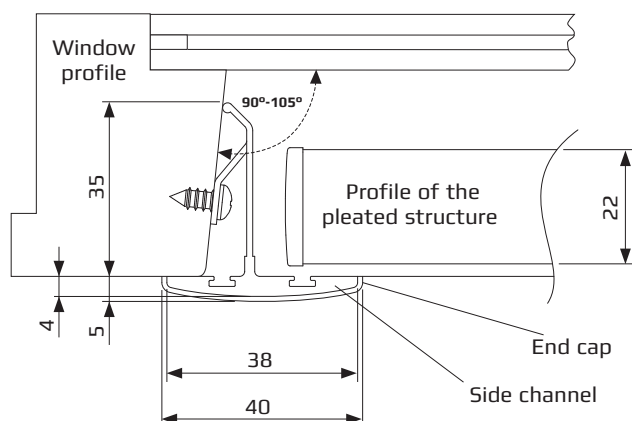
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

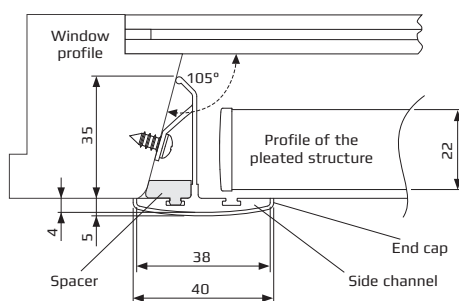
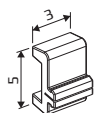
- Direct screw fitting of masking profile (DIN 7981 Ø3.9 x 16 mm)
- **Fixing of upper rail:** Clipped into fixing clip (V2A) on masking profile.
- **Fixing of tightening devices:** Tensioning feet are attached to the holders on the masking profile end caps.

Fixing



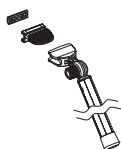
Accessories

Spacer 105° for Velux GGU

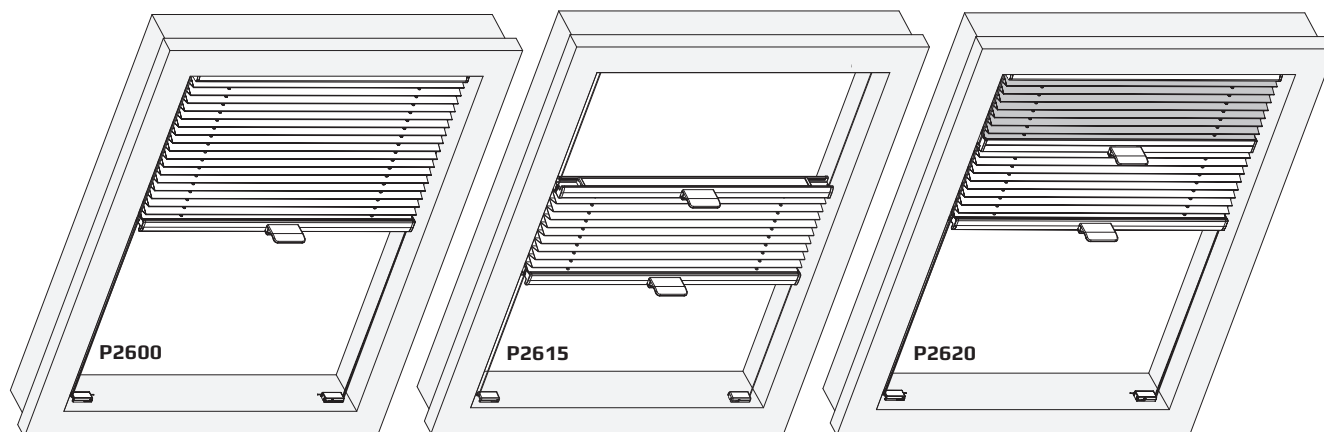


Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



- P2600** - Tensioned roof window blind with handle operation and hangings above.
P2615 - Tensioned roof window blind with handle operation and changeable hangings.
P2620 - Tensioned blind with handle operation and two hangings above (day/night).



Dimensions/ Pleated blind measures

- **Width:** min. 0.20 m
max. 1.50 m
- **Height:** min. 0.20 m
max. 1.50 m
- **Surface:** max. 2.25 m²
- **Inclination angle:** max. 60°
- **Frame depth:** min. 25 mm (3 mm rear ventilation)
min. 27 mm (5 mm rear ventilation)
min. 42 mm (20 mm rear ventilation)

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Changes to the cord tensioning possible $\pm 5\text{-}10$ mm (dependent on the material)
- Cords made of polyester yarn, $\varnothing 0.8$ mm and 1.2 mm polyester yarn with kevlar core, 16 threads
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- Locking function of the operation profile on the tightening devices

Control

- **Operating handle:** 1 operating handle in the middle up to 1.20 m blind width, 2 operating handles with more than 1.20 m blind width
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch ($\varnothing 6.0$ mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

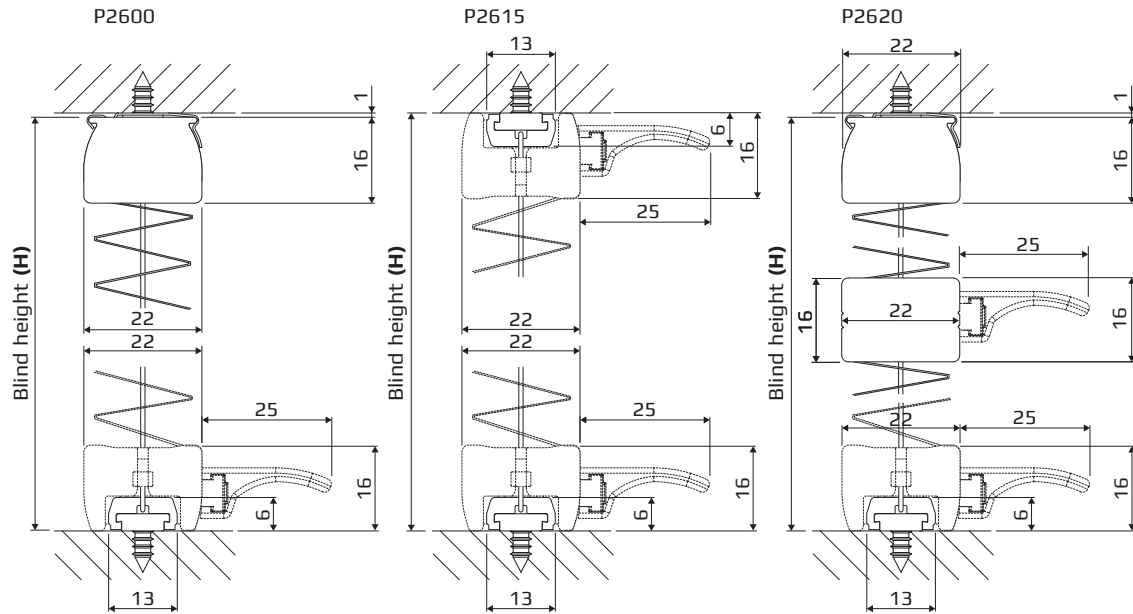
Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole ($\varnothing 3.5$ mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole ($\varnothing 3.5$ mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

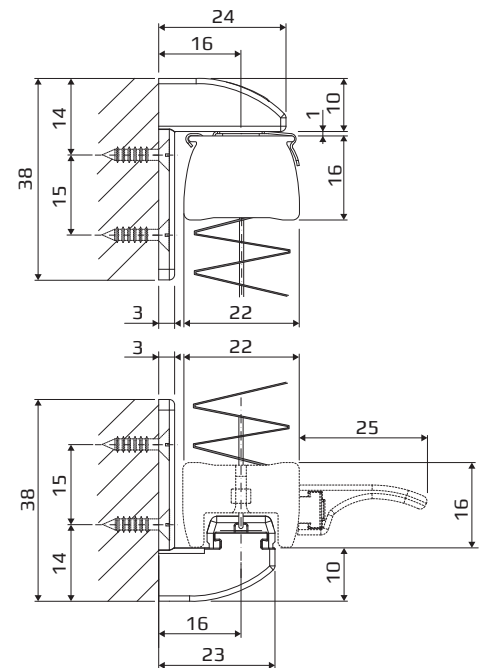
Mounting

- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 $\varnothing 3.9 \times 16$ mm).
or screw the fixing angle (with clip) onto the window frame (DIN 7982 $\varnothing 3.9 \times 13$ mm).
- **Fixing of tightening devices:** Screw the tension shoe holder directly into the window frame (DIN 7982 $\varnothing 3.9 \times 13$ mm)
or screw the fixing angle onto the window frame (DIN 7982 $\varnothing 3.9 \times 13$ mm).

Fixing

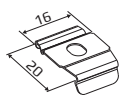


Fixing angle



Accessories

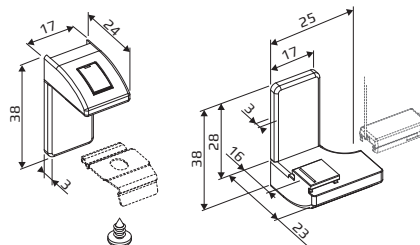
Fixing bracket



Tension shoe holder



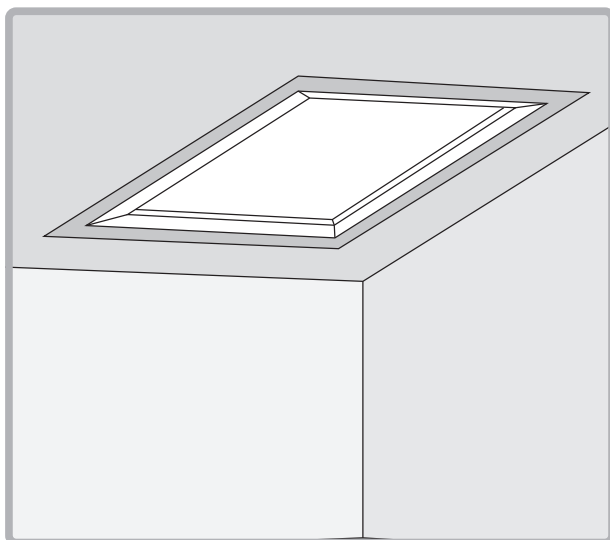
Fixing angle



Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)





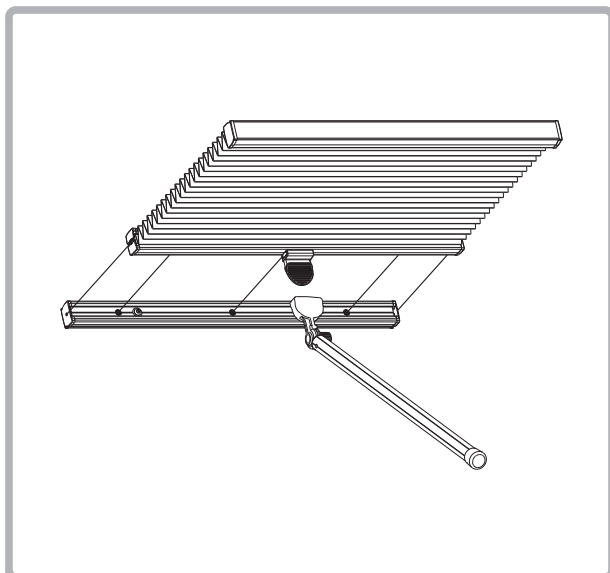
Tensioned units
(tensioned with steel cables)
with different operating types for
ceiling windows and conservatories.

Tilt angle up to a maximum of 90° (horizontal)

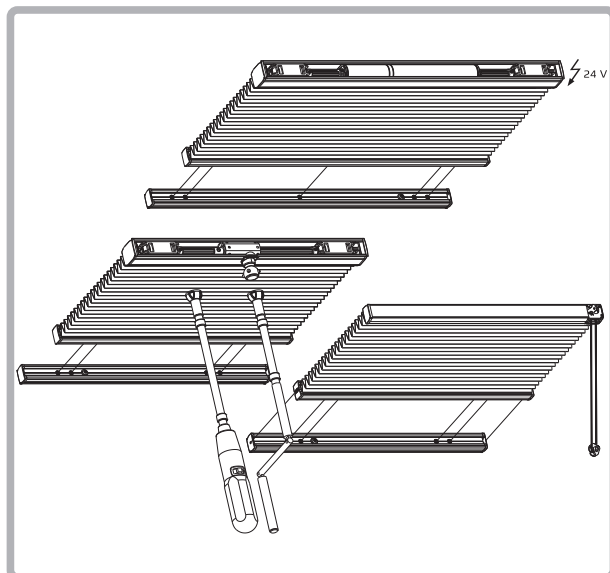
Blind dimensions: 0.30 - 1.50 m x 4.00 m



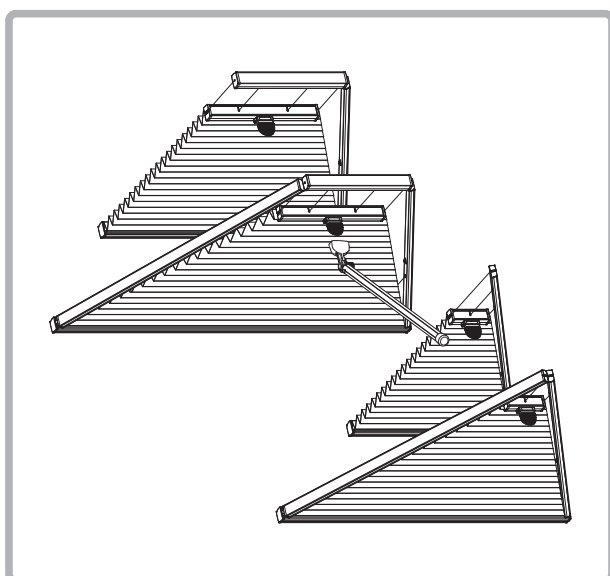
For cord-operated units (**type P3700**)
child safety
must be observed - see page 6.



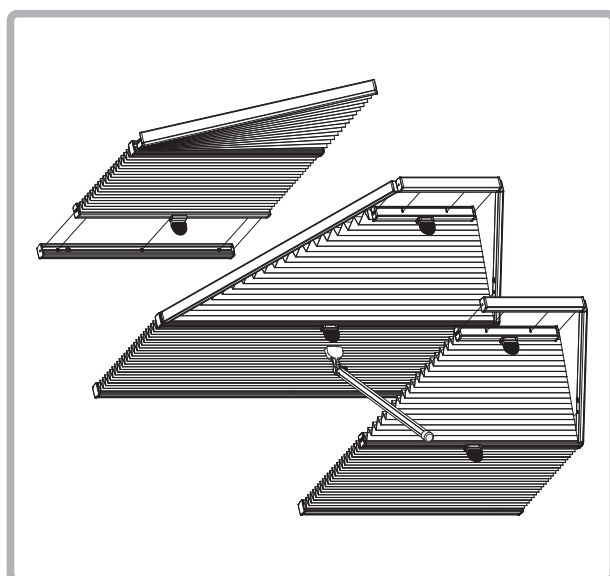
Tensioned ceiling unit with **handle operation**
and optional control wand.



Operating types: Crank operation using a crank
handle or an electronic wand. **Electrical operation** using a
24-Volt motor or **cord operation**.

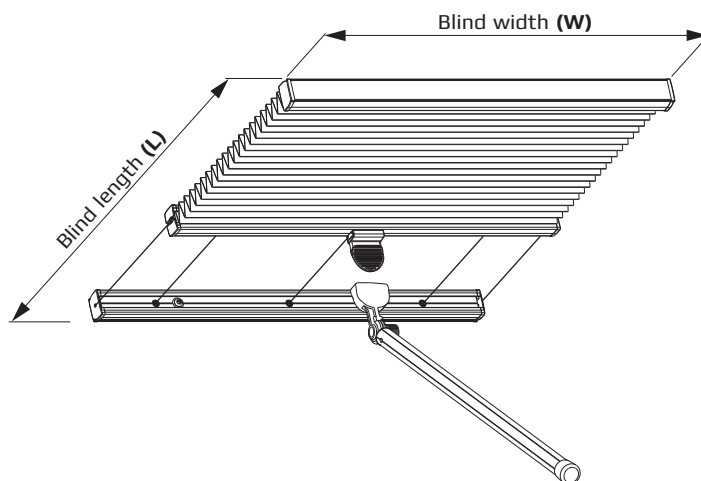


Different **triangular** or **trapezoidal** shapes.



Other special shapes including **5- and 6-sided units**.

P3600 - Tensioned blind with operating handle and wire tension.

Dimensions/
Pleated blind measures

- **Width:** min. 0.30 m
max. 1.50 m
- **Length:** min. 0.20 m
max. 4.00 m
- **Inclination angle:** 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

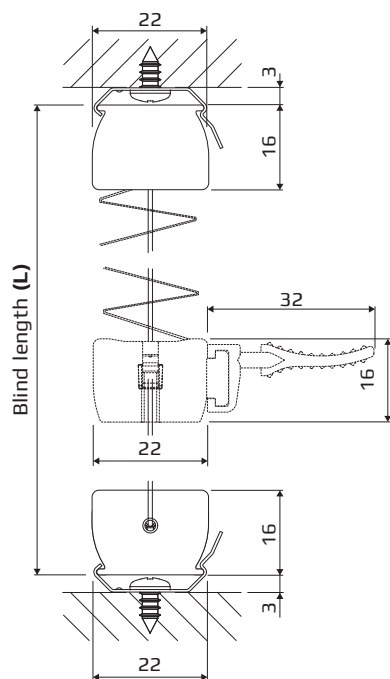
Mounting

- **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

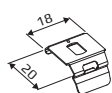
- The wire tension can be changed with an adjusting screw

Fixing



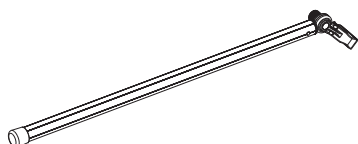
Accessories

Special fixing bracket



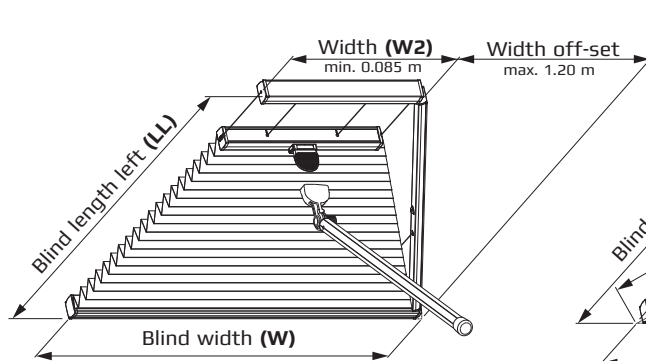
Control rod

Rod (anodized) with joint, reaches up to the operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)

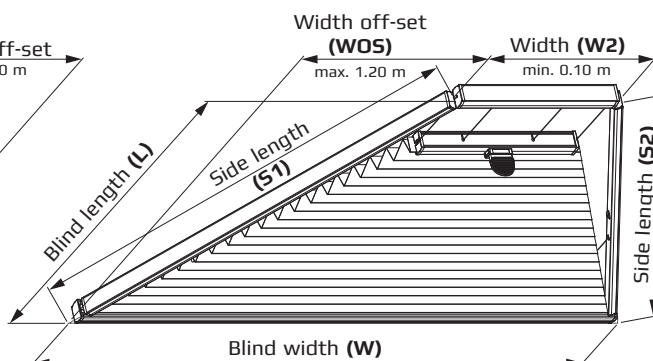


P3634 - Tensioned blind with handle operation, wire tension and slanted hangings on the one side.

P3635 - Tensioned blind with handle operation, wire tension and slanted hangings on both sides.



P3634



P3635

Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 1.50 m
- **Width W2:** min. 0.085 m (P3634)
- **Width W2:** min. 0.10 m (P3635)
- **Length:** min. 0.20 m
max. 2.00 m
- **Width off-set:** min. 0.05 m
max. 1.20 m
- **Inclination angle:** max. 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm

Upper rail/ Side profile

- **Width:** 20 mm
- **Height:** 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

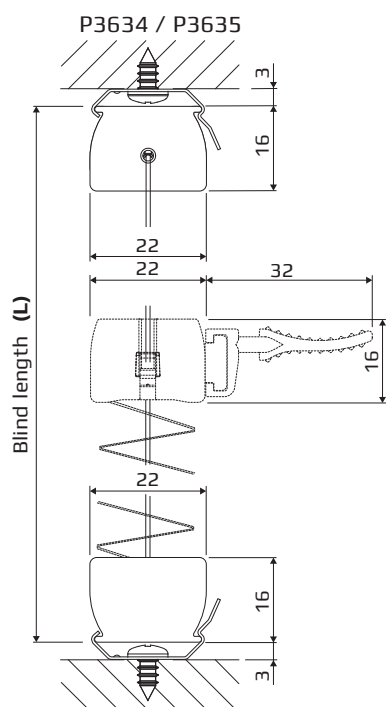
Mounting

- **Fixing of upper and lower profiles, side profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

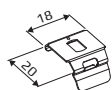
- The wire tension can be changed with an adjusting screw

Fixing



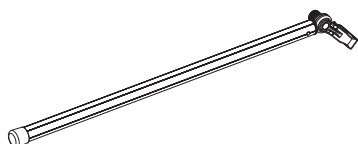
Accessories

Special fixing bracket



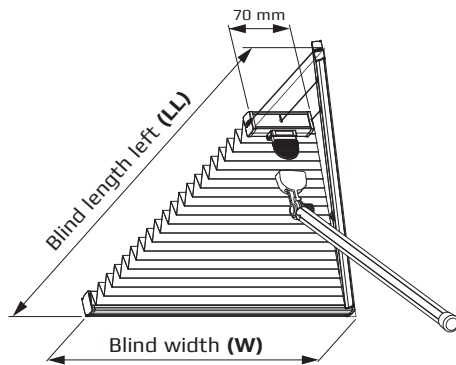
Control rod

Rod (anodized) with joint, reaches up to the operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)

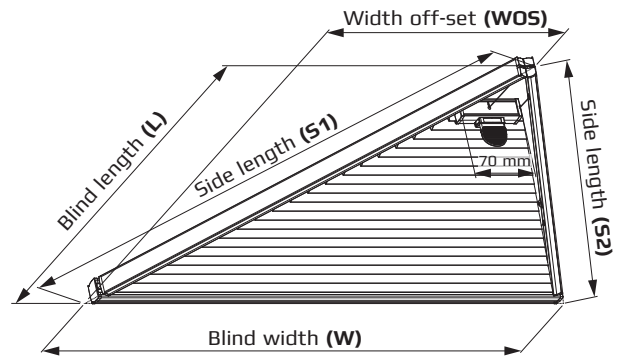


P3636 - Tensioned triangle blind with handle operation and wire tension (right-angled triangle).

P3637 - Tensioned triangle blind with handle operation and wire tension (isosceles triangle).



P3636



P3637

Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 1.20 m (P3636)
max. 1.50 m (P3637)
- **Length:** min. 0.20 m
max. 2.00 m
- **Inclination angle:** max. 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm

Side profile

- **Width:** 20 mm
- **Height:** 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

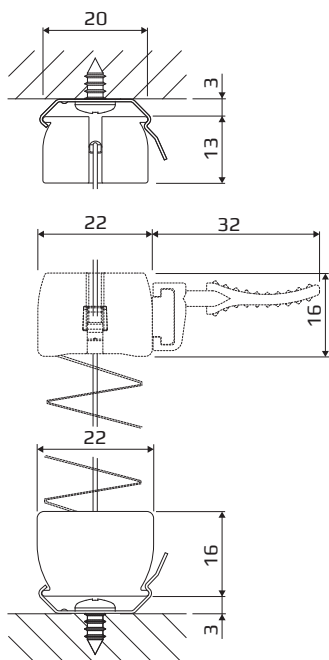
- **Fixing of upper and lower profiles, side profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

- The wire tension can be changed with an adjusting screw

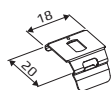
Fixing

P3636 / P3637



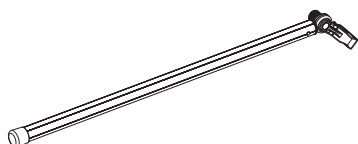
Accessories

Special fixing bracket

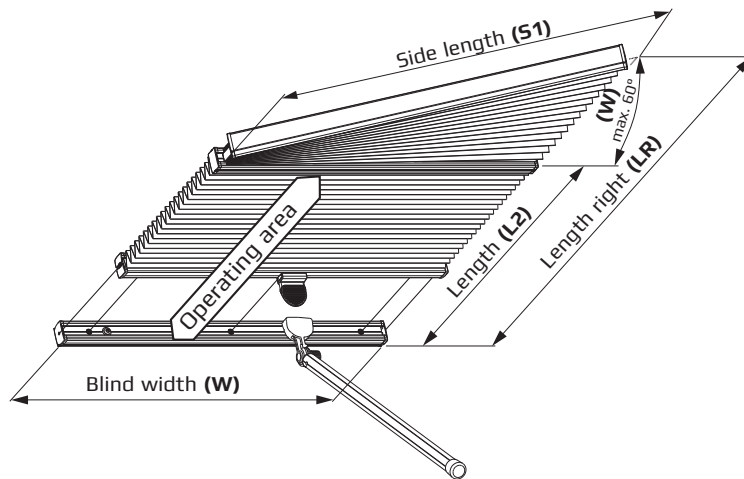


Control rod

Rod (anodized) with joint, reaches up to the operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P3650 - Tensioned slope blind with handle operation and wire tension.

Dimensions/
Pleated blind measures

- **Width:** min. 0.30 m
max. 1.50 m
- **Width W2:** min. 2.00 m up to 60°
- **Width W2:** max. 2.20 m up to 30°
- **Length:** min. 0.20 m
max. 3.00 m
- **Length L2:** min. 0.10 m
max. 2.90 m
- **Blind angle:** max. 5°-60°
- **Inclination angle:** max. 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø0.8 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

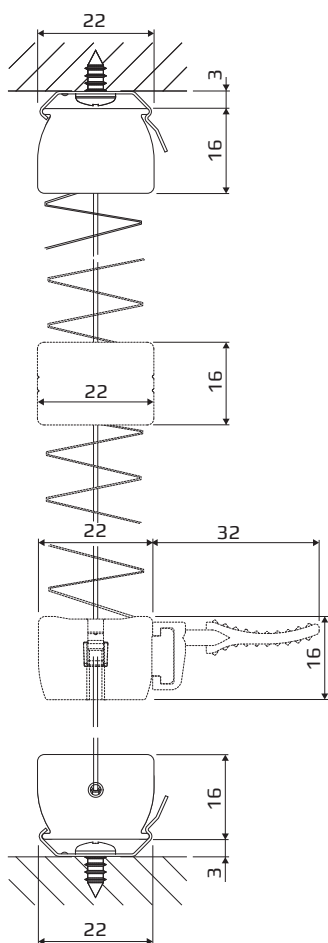
Mounting

- **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

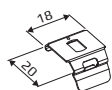
- The wire tension can be changed with an adjusting screw

Fixing



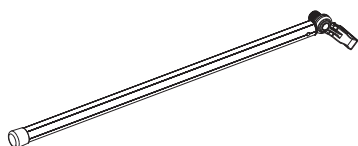
Accessories

Special fixing bracket



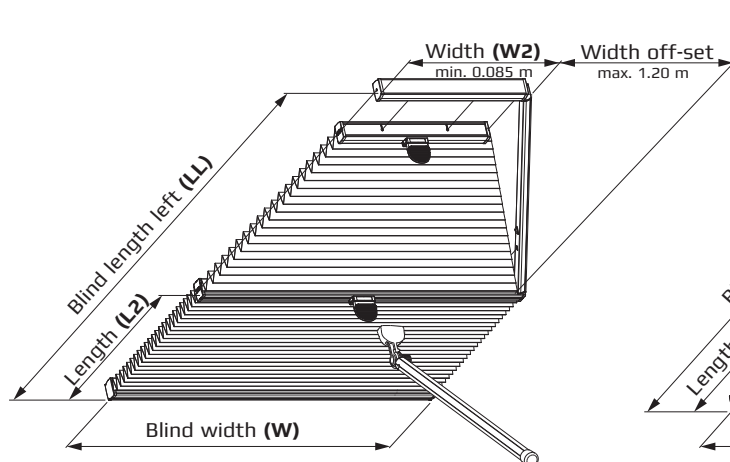
Control rod

Rod (anodized) with joint, reaches up to the operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)

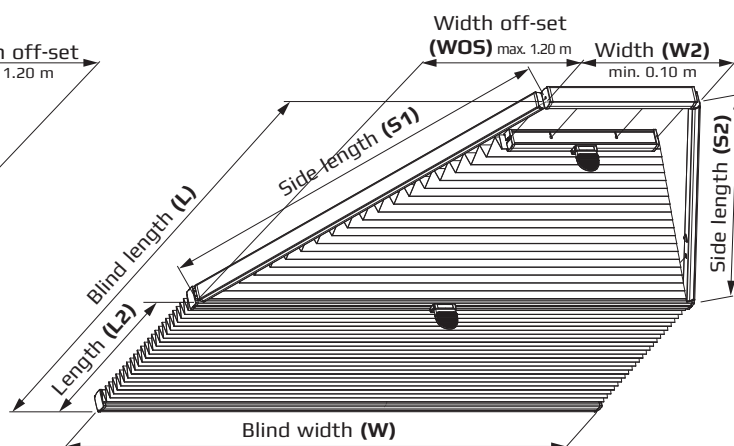


P3662 - Tensioned pentagon blind with handle operation and wire tension.

P3663 - Tensioned hexagon blind with handle operation and wire tension (isosceles triangle).



P3662



P3663

Dimensions/ Pleated blind measures

- **Width:**
 - min. 0.20 m (P3632)
 - min. 0.30 m (P3633)
 - max. 1.20 m (Blind length max. 2.00 m)
 - max. 1.50 m (Blind length max. 1.50 m)
- **Length:**
 - min. 0.20 m
 - max. 2.00 m
- **Length 2:**
 - min. 0.10 m
 - max. 1.90 m
- **Width off-set:**
 - min. 0.05 m
 - max. 1.20 m
- **Width W2:**
 - min. 0.085 m (P3662)
 - max. 1.45 m
- **Width W2:**
 - min. 0.10 m (P3663)
 - max. 1.40 m
- **Inclination angle:** max. 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Enclosed cord system tensioned using tension springs
- Cords made of polyester yarn, Ø0.8 mm
- Elastic ceiling cord Ø1.25 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Operating handle:** 1 operation handle in the middle
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint and end cap in black

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm

Upper rail/ Side profile

- **Width:** 20 mm
- **Height:** 13 mm

- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

Mounting

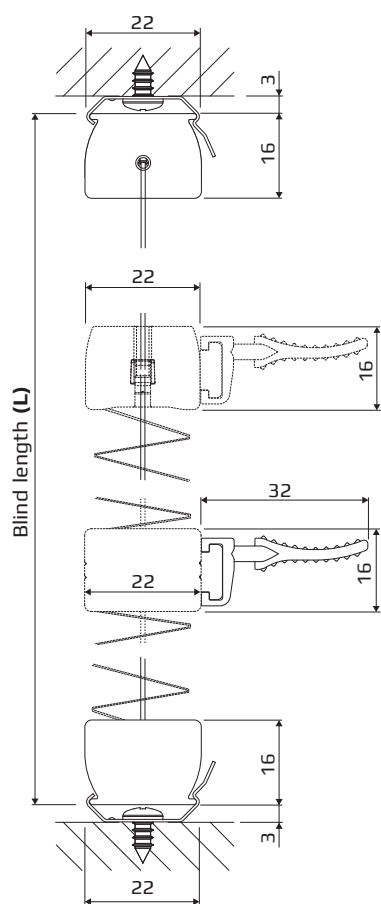
- **Fixing of upper and lower profiles, side profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

- The wire tension can be changed with an adjusting screw

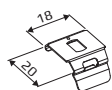
Fixing

P3662 / P3663



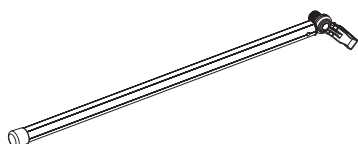
Accessories

Special fixing bracket



Control rod

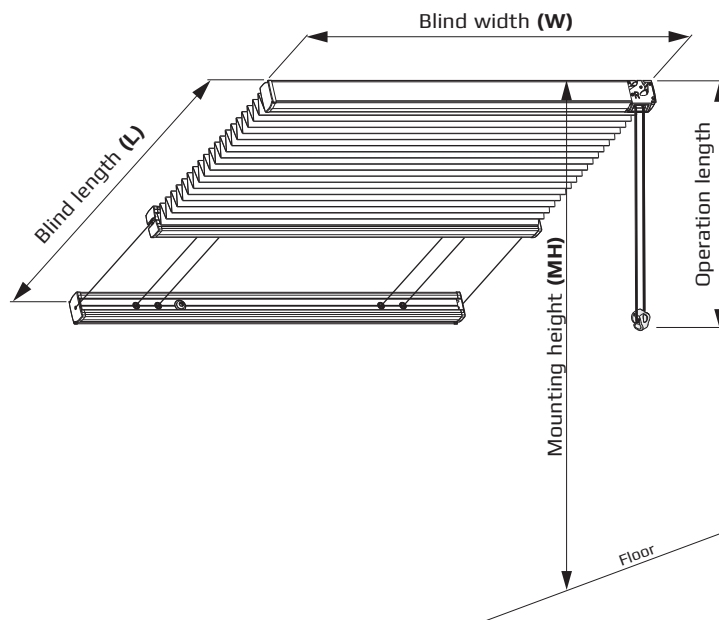
Rod (anodized) with joint, reaches up to the operating handle.
Length: 1.00 m, 1.50 m or 2.00 m (Special length up to max. 3.00 m on request)



P3700 - Tensioned blind with pull-cord operation and wire tension.



* **Child safety:**
for further informations
please refer to page 6-7



Dimensions/ Pleated blind measures

- **Width:** min. 0.30 m
max. 1.50 m
- **Length:** min. 0.20 m
max. 4.00 m
- **Inclination angle:** 45°-90°
- **Mounting height:** min. 1.50 m

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Cords made of polyester yarn, Ø1.2 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Cord operation:** Integrated cord lock without locking function
- **Operating side:** left or right
- **Operation length:** mounting height minus 1.50 m

Profile rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

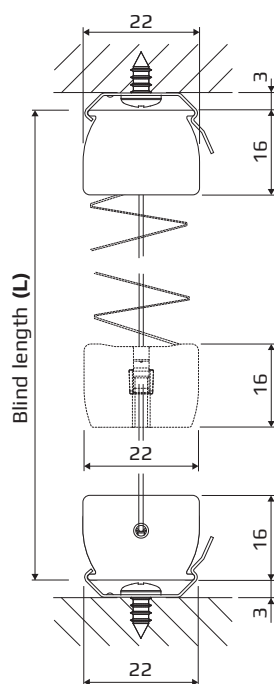
Mounting

- **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

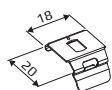
- The wire tension can be changed with an adjusting screw

Fixing



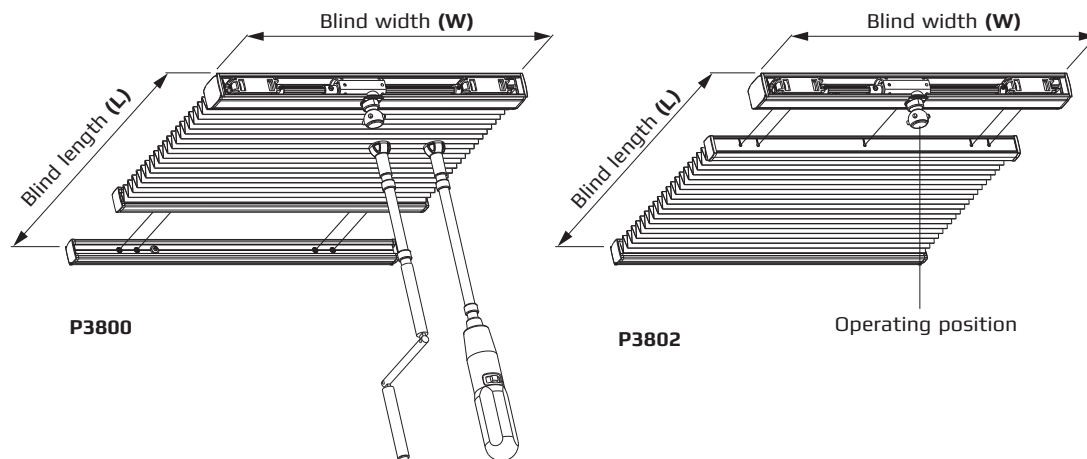
Accessories

Special fixing bracket



P3800 - Tensioned blind with crank operation and wire tension (package on operating side).

P3802 - Tensioned blind with crank operation and wire tension (package opposite operating side).



Dimensions/ Pleated blind measures

- **Width:** min. 0.25 m
max. 1.50 m
- **Length:** min. 0.20 m
max. 4.00 m
- **Inclination angle:** 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Crank mechanism: 1.2:1 Gear ratio, friction clutch with 2-2.5 Nm operation
- Cords made of polyester yarn, Ø1.2 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Control

- **Crank operation:** Removable crank for ceiling installations with crank operation, Length 1.00 m, 1.50 m, 2.00 m or 3.00 m
- Option: Removable engine rod including a rechargeable battery and a charger (Length 1.00 m, 1.50 m, 2.00 m or 3.00 m)
- **Operating side:** Left, middle or right

Upper rail

- **Width:** 27 mm

- **Height:** 34.5 mm

Middle profile/ Lower rail

- **Width:** 22 mm

- **Height:** 16 mm

- Aluminium extruded (Al Mg Si 0.5 F22)

- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey
- **Crank rod:** technically anodized in accordance with E6/EV1 in grey
- **Mount for crank rod:** in grey and white

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

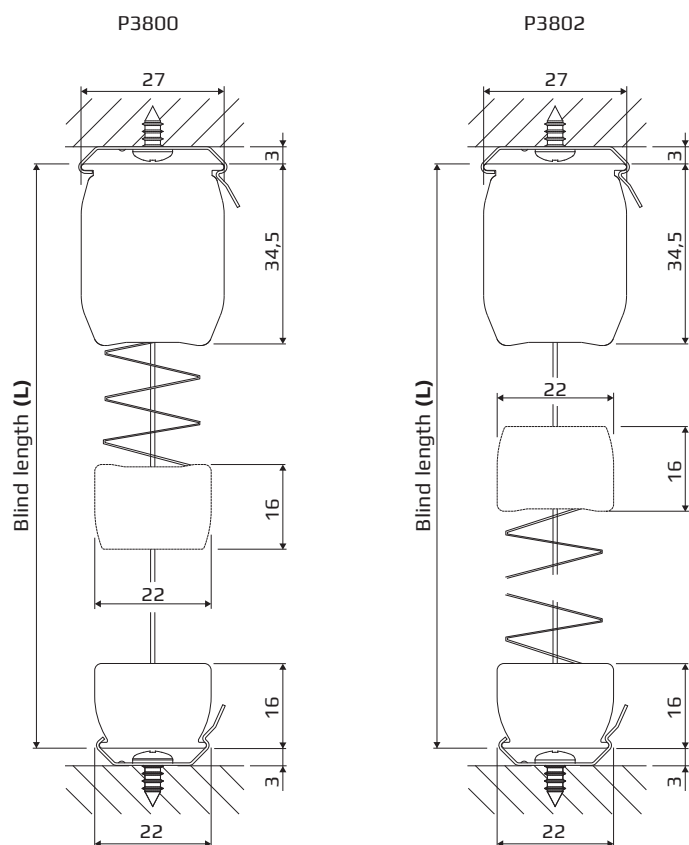
Mounting

- **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

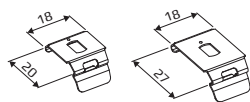
- The wire tension can be changed with an adjusting screw

Fixing



Accessories

Special fixing bracket

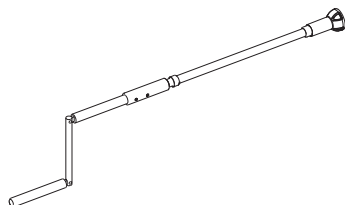


Crank accessories

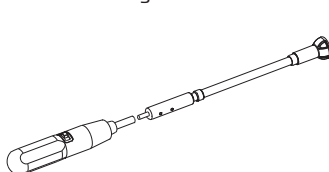
Crank for ceiling installations with crank operation
Length: 1.00 m, 1.50 m, 2.00 m or 3.00m

Electric crank for ceiling installations with crank operation including a rechargeable battery and a charger
Length: 1.00 m, 1.50 m, 2.00 m or 3.00m

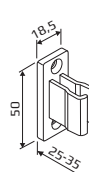
Crank



Engine rod

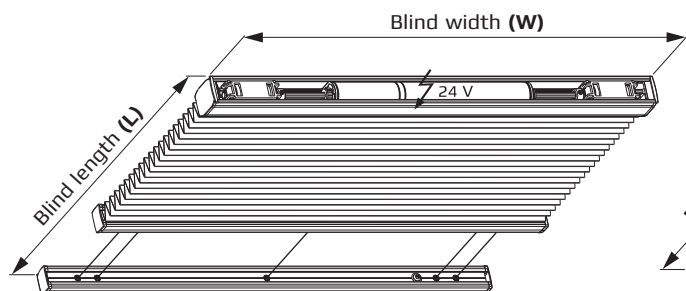


Mount for crank

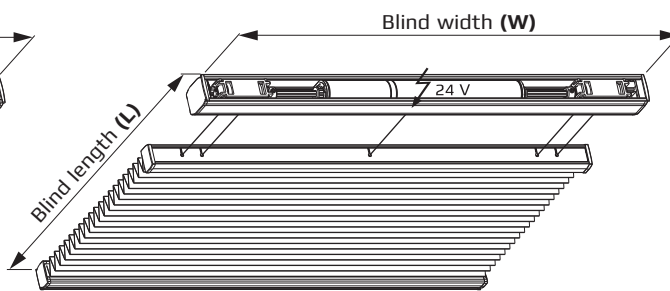


P3900 - Tensioned blind and motor operation and wire tension (package on operating side).

P3902 - Tensioned blind and motor operation and wire tension (package opposite operating side).



P3900



P3902

Dimensions/ Pleated blind measures

- **Width:** min. 0.40 m
max. 1.50 m
- **Length:** min. 0.20 m
max. 4.00 m
- **Inclination angle:** max. 45°-90°

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position by means of motor drive
- Winding up the cord system CTS 25 cord winder
- Cords made of polyester yarn, Ø1.2 mm
- Tensions wire: Material 1.4401 (Ø0.81 mm), covered in synthetic material on Ø1.00 mm in white, grey or black
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Engine specifications

- **Standard engine / Stronger engine**
Central drive with integrated brake and minimal generation of noise. Travel limits of the machine by means of stopper/spindle blocking device. Measurement: Ø24 x 201 mm • Max. size for the hangings: 3 m² / 5 m²
• Voltage rating: 24 V DC • Connection: 2.5 m cable • rated torque: 0.4 Nm / 0.8 Nm
• Rated speed: 40 min⁻¹ / 30 min⁻¹ • Max. power consumption: 0.45 A / 0.6 A • Power capacity: 11 W / 14 W
• Operating temperature: -10 up to +60 °C • Type of protection: IP40.

Upper rail

- **Width:** 27 mm
- **Height:** 34.5 mm

Middle profile/ Lower rail

- **Width:** 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (Ø6.0 mm) equipped with abrasion-resistant plastic cord lugs

Colours

- **Profile rail:** Technically anodized in accordance with E6/EV1 in silver, black (E6-C35) and bronze (E6-C32) or powder-coated in white (RAL 9016), beige (RAL 1015) and dark grey (DB 703)
- Visible **plastic parts** adapted to the profile colours in grey, black, bronze, white, beige or dark grey

Fabric

- Pleated fabric hangings • 20 mm pleat width • visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.28 or 0.35 m (dependent on the fabric)

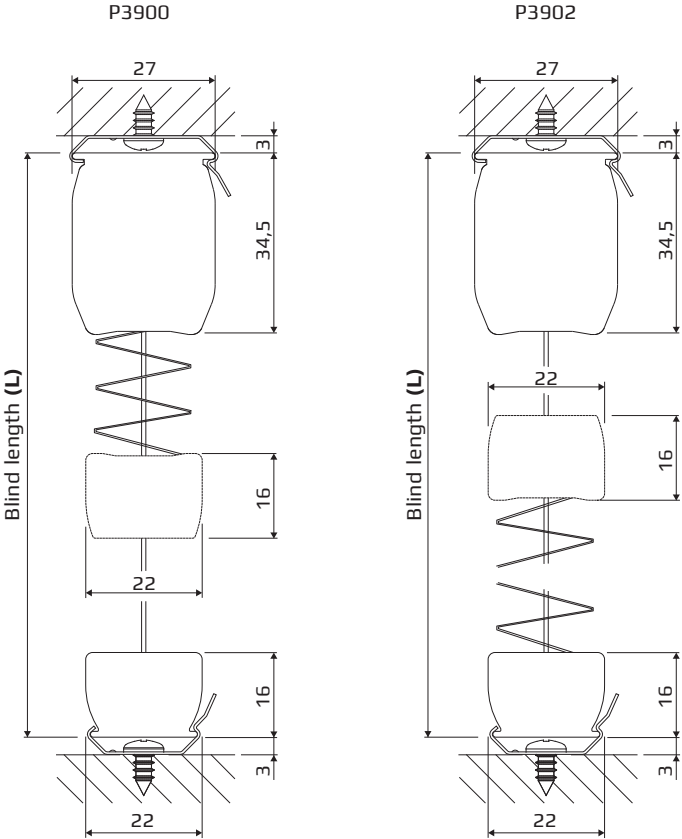
Mounting

- **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).

Wire tension

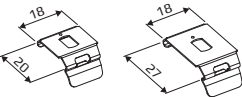
- The wire tension can be changed with an adjusting screw

Fixing



Accessories

Special fixing bracket





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