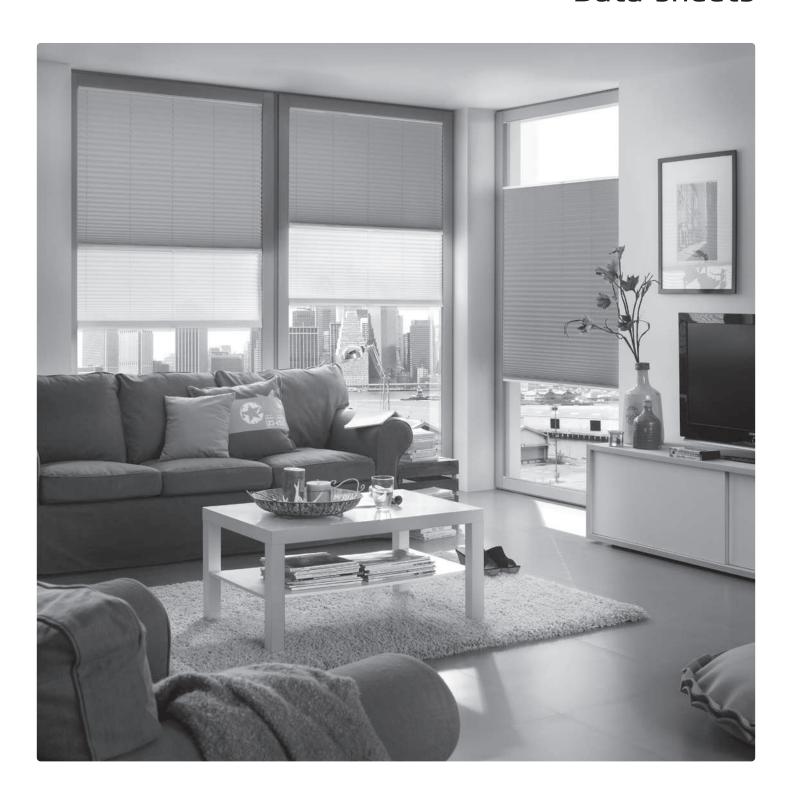


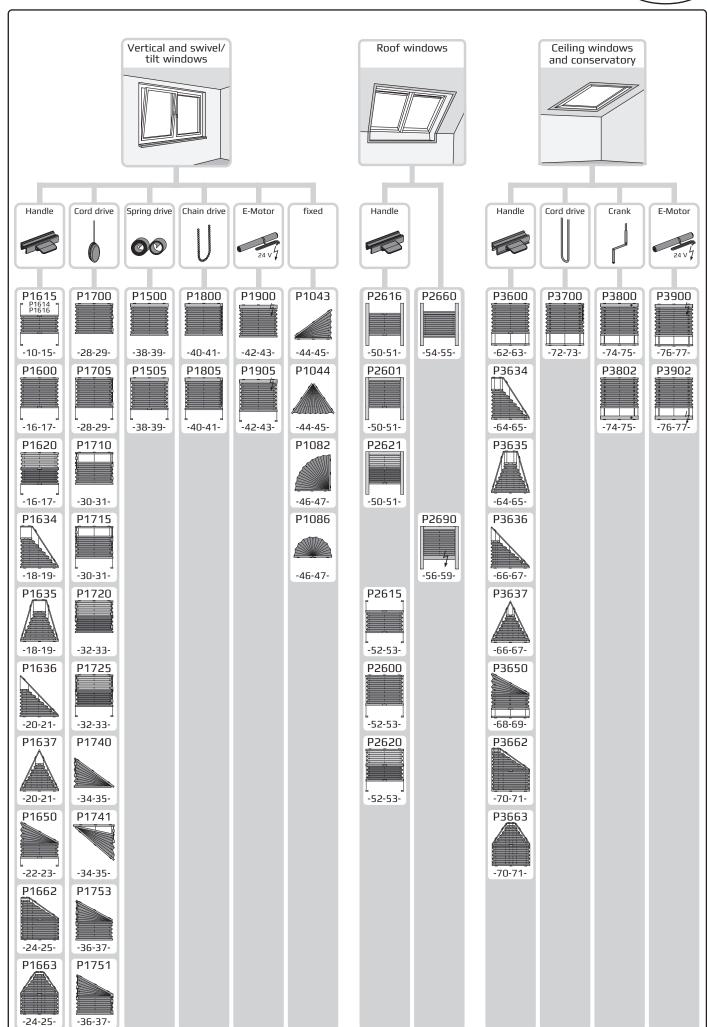
22 MN

Data sheets

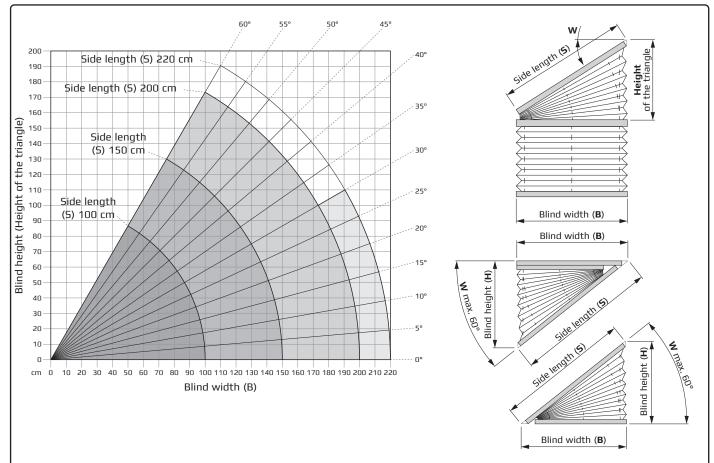












Notes - ventilation

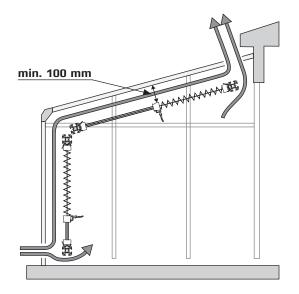


Good ventilation is a must

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
Opaque materials
Honeycomb materials

min. 3 mm back ventilation distance
min. 5 mm back ventilation distance
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.

Info

Stack heights



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)b - Spring/Chain/Motor/Crank Types PH = X + 16 + 35 (mm)

C - Day-night Types PH = $X_1 + X_2 + 16 + 16 + 16$ (mm)

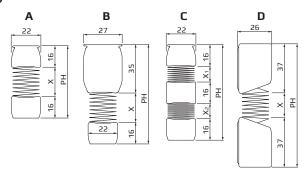
D - Handle profile PH = X + 37 + 37 (mm)

Example:

Type P1615 - Blind height 1.50 m - Fabric thickness** 0.30 mm Table value $X=27~\mathrm{mm}$

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	Fabric thickness (material thickness on collection chart) (in mm)									
(in m)	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

Information on child safety for cord- or chain-operated pleated blinds



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 ⚠

 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.

in accordance with EN 13120



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

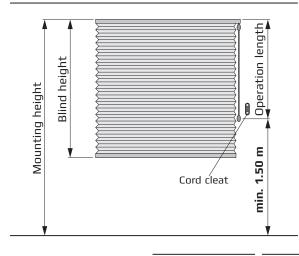
Mounting height is unknown:

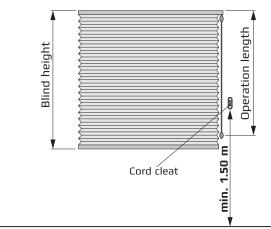
Blind height ≤ 2.50 m -> max. operation length = 1.00 m

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

Mounting height is known

Mounting height is unknown



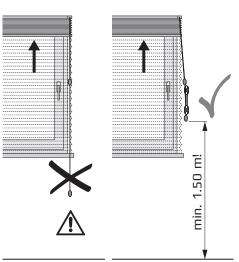


Blind height ≤ 2.50 m operation length = max. 1.00 m Blind height > 2.50 m operation length = blind height -1.50 m

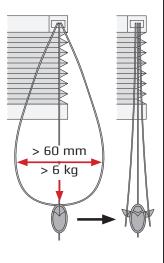
Mounting height must be min. 1.50 m!

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**:

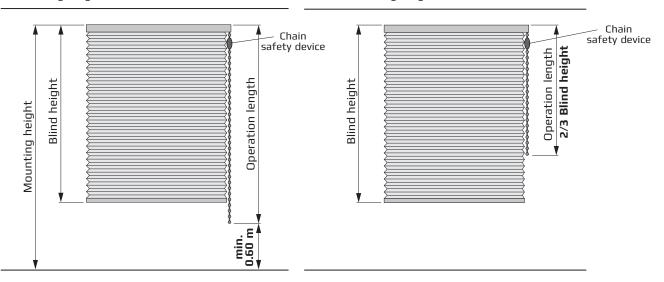
-> max. operation length = mounting height -0.60 m

Mounting height is **unknown**:

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

Mounting height is known

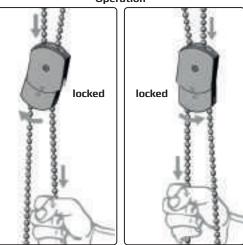
Mounting height is unknown



Basic position



Operation

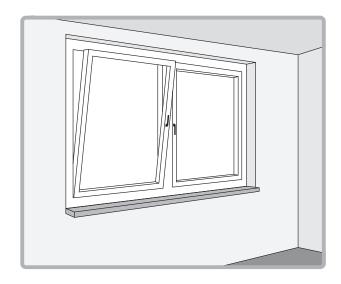


Child safety



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





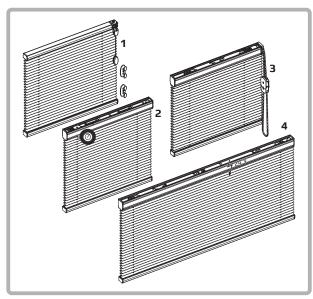
Tensioned blinds with handle operation for tilt/turn windows up to a maximum tilt of 15° and special shapes.

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

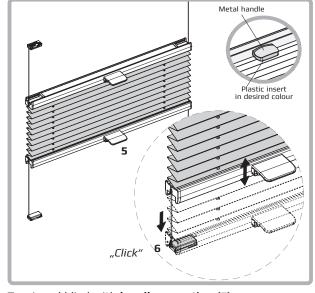
Installation widths: from 0.20 - 2.20 m Installation heights: up to 2.60 m



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

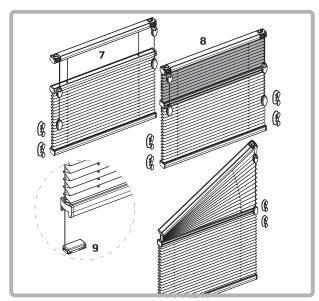


Free-hanging blinds with **cord operation (1)** (integrated cord lock), with **manual operation (2)** (spring mechanism), with **chain operation (3)** (with child safety lock), or with **motor operation (4)** (24 volt motor).

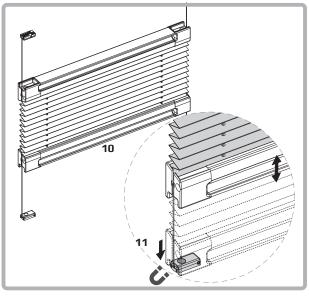


Tensioned blind with **handle operation (5)**. Optionally with operating rod or with **design handle** made of **metal**.

Locking function (6) of the operating profile with a spring or also with a magnet. **No light gap** - fixing is completely covered by the operating profile.

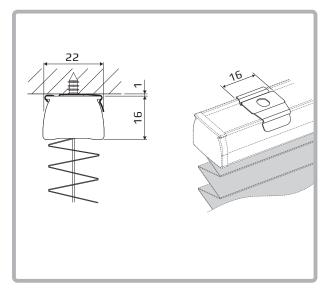


Variable hangings (7) or two hangings (day-night) (8). Anti-swing device (9) for freely hanging blinds. Special shapes (symmetrical or asymmetrical) possible. Triangular or trapezoidal shapes or 5-corner and 6-corner blinds.

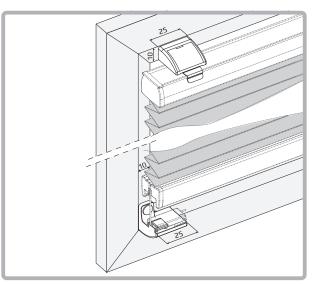


Clamped system with **handle profile (10)**. **Locking function (11)** of the handle profile with magnet. System widths up to 2.10 m.

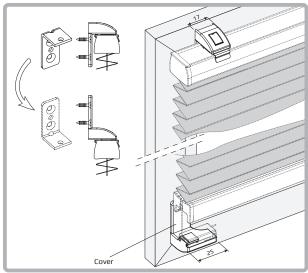




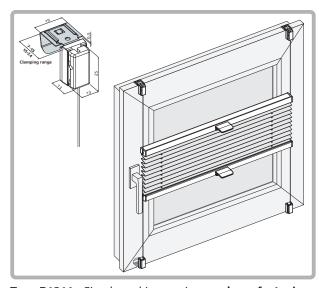
Rail fixing with especially **flat clip** (gap less than 1 mm) and neat appearance (track with cover welting).



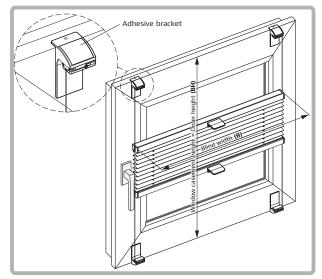
Easy **attachment to the glazing bead** with the glazing bead bracket (in all plastic colours)



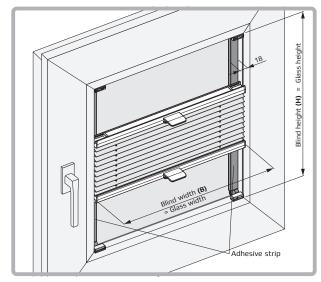
Straight forward **fixing to window frame** with the fixing bracket (in all plastic colours). This bracket can be **rotated** to suit the installation position, **cover cap** included (bracket and screws not visible)



Type P1614 - Simple and inconspicuous **clamp fastening** on the window pane as a mounting option. Clamping range from 7-15 and from 15-24 mm.



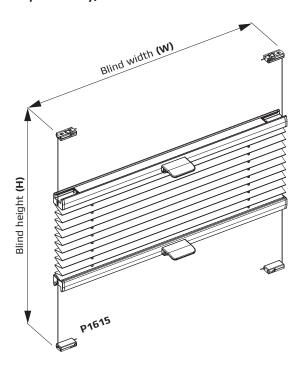
Adhesive bracket for mounting on the window casement. Can be used as an option for all types with operating handle can be used. See p. 26-27.



Adhesive fixing by gluing two adhesive strips to the glass pane as a mounting option for **type P1615**.



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



Pleated blind dimensions

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°

0° 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, 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 with more than 1.20 m blind width
- Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint in grey

Profile rail

- Width: 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

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 0.35 or 0.90 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 Ø3.9 x 13 mm)
- Glazing bead holder: Screw the glazing bead holder onto the glass strip (DIN 7982 02.9 x 9.5 mm)
- Fixing angle: Screw the fixing angle onto the window frame (DIN 7982 03.9 x 13 mm)
- Option:

Adhesive attachment: Two adhesive profiles are fixed to the glass pane (see page 12)

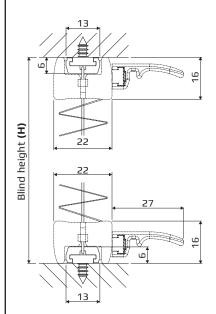
Clamp fixing: Type **P1614** - Clamp fixing on the window casement by means of window frame clamp (see page 13)

Adhesive support: Mounting on the window casement (see p. 26-27)

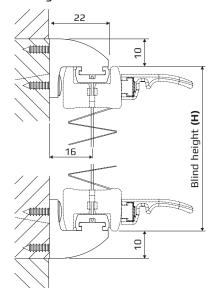


Fixing

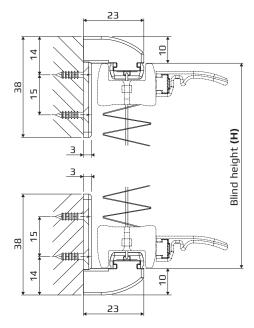
P1615 - Tension feet



Glazing bead holder



Fixing angle

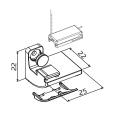


Accessories

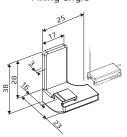
Tensioning shoe holder



Glazing bead holder



Fixing angle

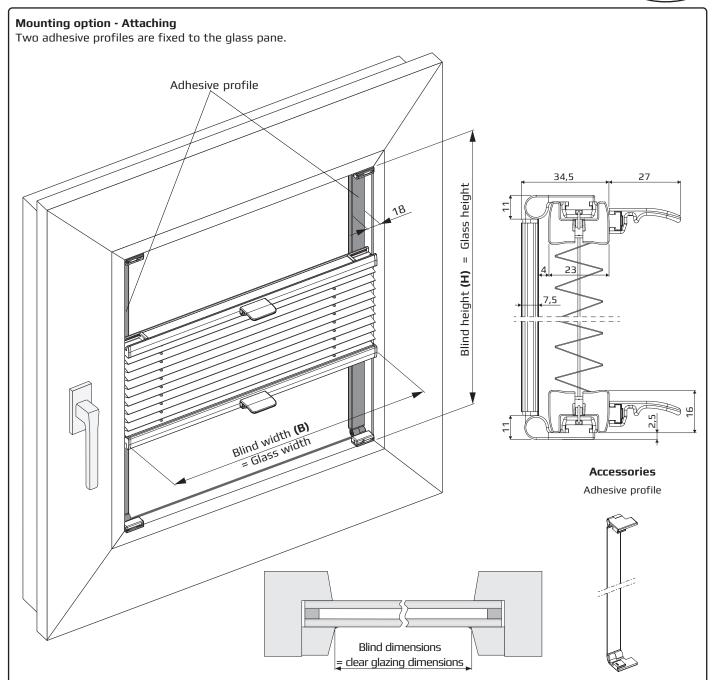


Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$







Adhesive instructions

The adhesive strip is equipped with a transparent acrylate adhesive tape *tesa® ACXplus 7055*. To ensure optimum adhesive strength, the following processing instructions must be observed.

Cleaning the adhesive surface

The adhesive surface must be clean and dry and free of grease, oil, dirt and silicone residues!

The surface is cleaned with the specially designed cleaning cloth (#99022000).

alternatively with 2 lint-free cloths and as solvent ethanol, isopropanol or tesa@60040 Industry Cleaner.

One cloth for applying the solvent and a second cloth for drying the surface.

Processing

The optimum processing temperature should be between 15° C and 35° C.

The liner/protective film should be carefully peeled off at an even speed and at a right angle.

Do not touch the adhesive surface!

Due to the immediate adhesive effect, the adhesive backing can no longer be repositioned and therefore cannot be used again!

The contact pressure is a prerequisite for an optimal connection and prevents the formation of air pockets!

Adhesive force development

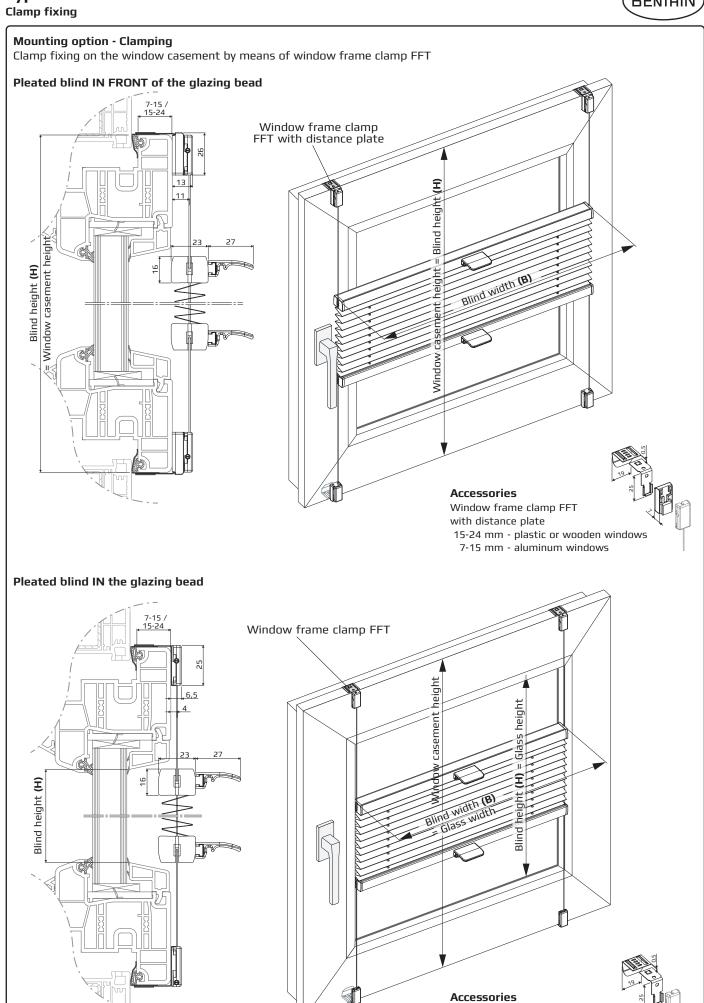
At a room temperature of 21°C, 50% of the final adhesive strength will be reached after 20 min.

At a room temperature of 21°C, 75% of the final adhesive strength will be reached after 1 hour.

At a room temperature of 21°C, 90% of the final adhesive strength will be reached after 24 hours.

At a room temperature of 21°C, 100% of the final adhesive strength will be reached after 72 h.

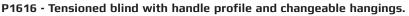


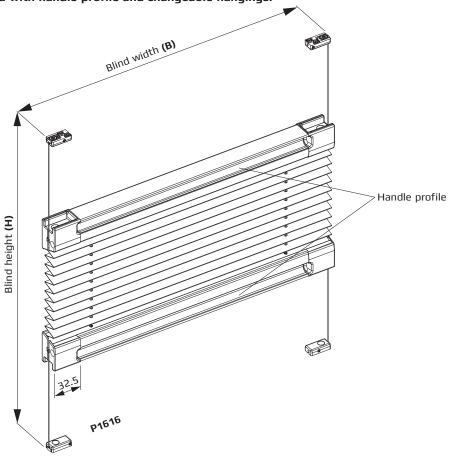


Window frame clamp FFT

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







Pleated blind dimensions

Width: min. 0.20 m

max. 1.50 m (Blind height max. 2.20 m)

max. 2.10 m (Blind height max. 1.60 m)

Height: min. 0.20 m max. 2.20 m

• Surface: max. 3.30 m²

• Inclination angle: max. 15°

Gear/Hardware

- Pleated fabric between two handle profiles
- 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, Ø0.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- · Magnetic locking of the handle profile on the tightening devices

Control

Handle profile

Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint in grey

Handle profil

- Width: 24 mm
- Height: 36 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Handle profile: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

Fabric

- Pleated fabric hangings 20 mm pleat width visible drilled hole (03.5 mm) for cord guiding
- Honeycomb fabrics 25 mm width invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 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 Ø3.9 x 13 mm)

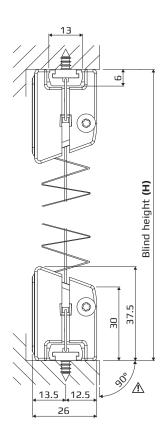
Note: Only right-angled (90°) frames/glass moulding possible.

- Glazing bead holder: Screw the glazing bead holder onto the glass strip (DIN 7982 02.9 x 9.5 mm)
- Fixing angle: Screw the fixing angle onto the window frame (DIN 7982 03.9 x 13 mm)

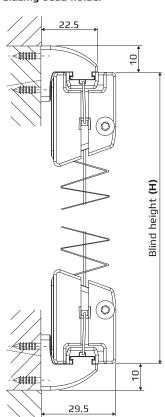


Fixing

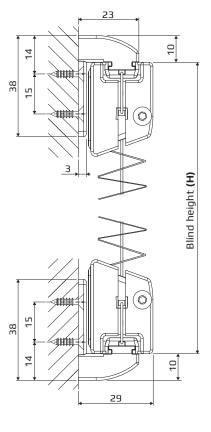
P1616 - Tension feet



Glazing bead holder



Fixing angle



Accessories

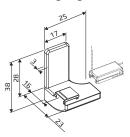
Tensioning shoe holder



Glazing bead holder

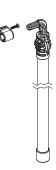


Fixing angle



Control rod

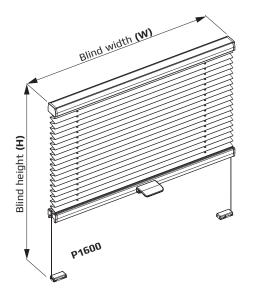
Anodised rod with joint, engages in the recess on the handle profile. Length: 1.00 m, 1.50 m, 2.00 m und 2.50 m.

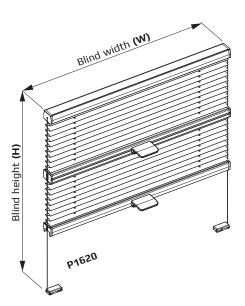




P1600 - Tensioned blind with handle operation and hangings above.

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





Pleated blind dimensions

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°

0° 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 ± 5-10 mm (dependent on the material)
- Cords made of polyester yarn, 00.8 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 in grey

Profile rail

- Width: 22 mm
- **Height:** 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 m (dependent on the fabric)

Mounting

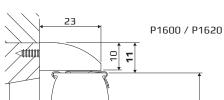
- **Fixing of upper rail:** Screw the fixing bracket (V2A) directly into the window frame or glass strip (DIN 7981 Ø3.9 x 16 mm).
 - or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 \emptyset 2.9 x 9.5 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 \emptyset 3.9 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 02.9×9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 03.9×13 mm).
- Option:

Adhesive support: Mounting on the window casement (see p. 26-27)

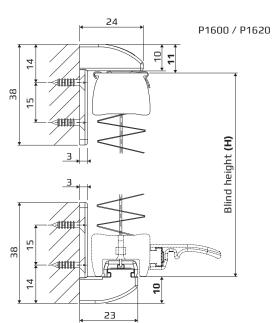
Type P1600 / P1620



Dimensions and Options Fixing P1600 P1620 27 Blind height (H) Blind height (H) Glazing bead holder Fixing angle



Blind height (H) **111111**1



Accessories

Fixing bracket Spannschuhhalter Glazing bead holder Fixing angle

Control rod

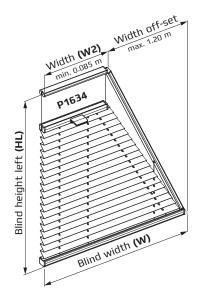
Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m

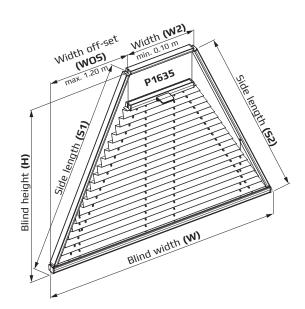




P1634 - Tensioned blind with handle operation and slanted hangings on the one side.

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





Pleated blind dimensions

min. 0.20 m (P1634) Width:

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: 15° max.



- Pleated fabric between two profile rails
- Fabric hangings can be stopped at any position
- Closed cord system taut with spring winder
- Elastic ceiling cord 01.25 mm
- Cords made of polyester yarn, 00.8 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 in grey

Profile rail

Width: 22 mm

Upper rail/ Side profile

- Height: 16 mm Width: 20 mm Height: 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 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 03.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 Ø3.9 x 13 mm).
- Option:

Adhesive support: Mounting on the window casement (see p. 26-27)

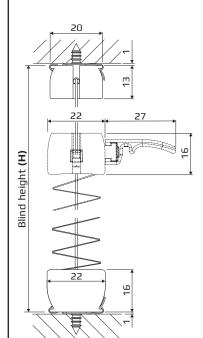
Type P1634 / P1635



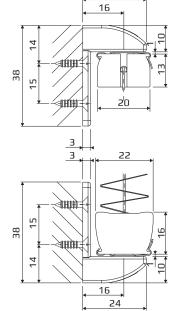


Fixing

P1634 / P1635



Fixing angle



Accessories

Fixing bracket



Fixing angle



Control rod

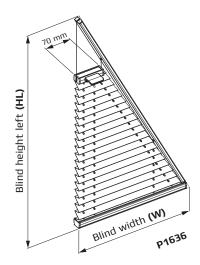
Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$

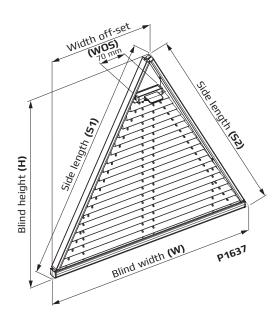




P1636 - Tensioned triangle blind with handle operation (right-angled triangle).

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





Pleated blind dimensions

• **Width:** min. 0.30 m

max. 1.20 m

Height: min. 0.20 m

max. 2.00 m

Inclination angle: max. 15

0° 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 in grey

Profile rail
Oherseite

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

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

Fabric

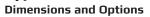
- Pleated fabric hangings 20 mm pleat width visible drilled hole (Ø3.5 mm) for cord guiding
- Honeycomb fabrics 25 mm width invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 m (dependent on the fabric)

Mounting

- Fixing of upper, lower and side profiles: Screw the fixing bracket (V2A) directly into the window frame
 or glass strip (DIN 7981 03.9 x 16 mm)
 or screw the fixing angle (with clip) onto the window frame (DIN 7982 03.9 x 13 mm).
- Option:

Adhesive support: Mounting on the window casement (see p. 26-27)

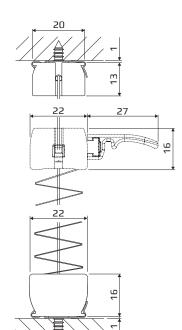
Type P1636 / P1637





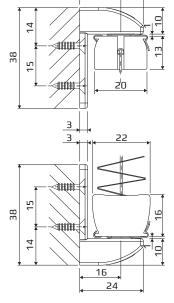
Fixing

P1636 / P1637



Fixing angle

24 16



Accessories

Fixing bracket

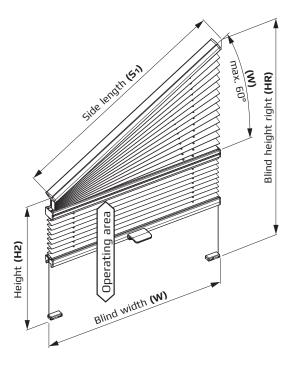


Fixing angle





P1650 - Tensioned slope blind with handle operation.



Pleated blind dimensions

Width: min. 0.30 m

max. 1.50 m (dependent on the angle)

Width W2 2.00 m up to 60° max. 2.20 m up to 30° max.

Height (HR or HL): min. 0.20 m

max. 3.00 m (see measurement chart triangular blinds on page 3)

Height H2 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:

Gear/Hardware

- Pleated fabric between two profile rails
- Fabric hangings fixed in the sloping area, to be stopped at any position in the straight area.
- Closed cord system taut with spring winder
- Cords made of polyester yarn, 00.8 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 in grey

Profile rail

- Width: 22 mm
- Height: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 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 03.9 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 02.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 03.9 x 13 mm).

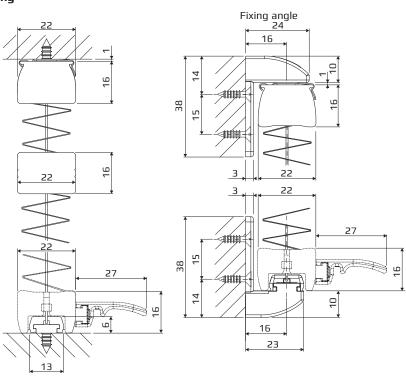
Option:

Adhesive support: Mounting on the window casement (see p. 26-27)

Dimensions and Options



Fixing



Accessories

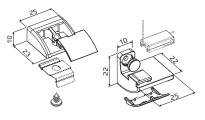
Fixing bracket



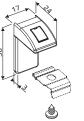
Tension shoe holder

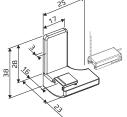


Glazing bead holder



Fixing angle





Control rod

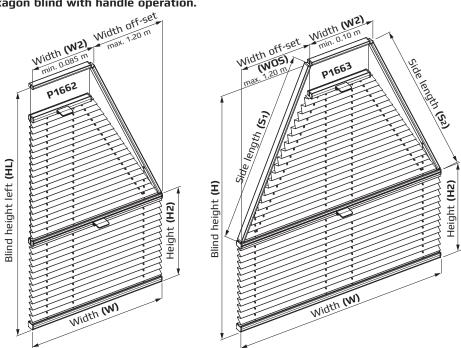
Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





P1662 - Tensioned pentagon blind with handle operation.

P1663 - Tensioned hexagon blind with handle operation.



Pleated blind dimensions

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

0° 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

Inclination angle:

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 in grey

Profile rail

Width: 22 mmHeight: 16 mmWidth: 20 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-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 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).
- Option:

Adhesive support: Mounting on the window casement (see p. 26-27)

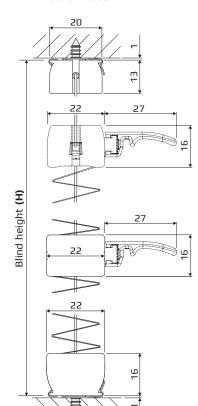
Type P1662 / P1663

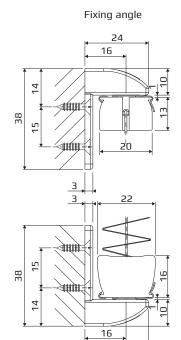
Dimensions and Options



Fixing

P1662 / P1663





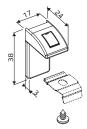
24

Accessories

Fixing bracket



Fixing angle



Control rod

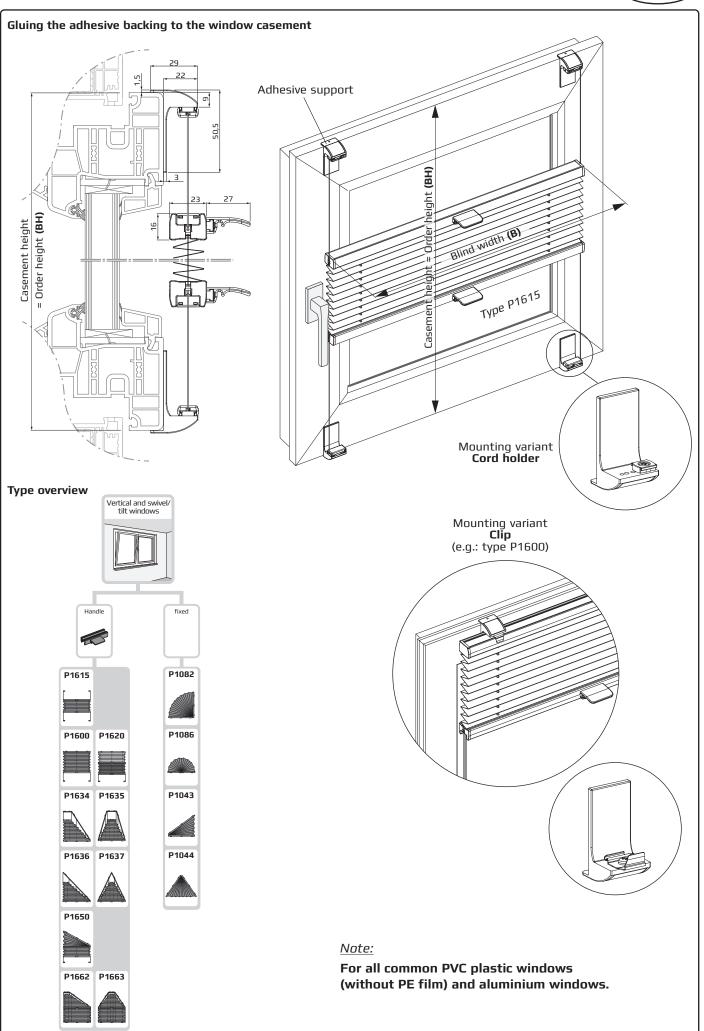
Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$



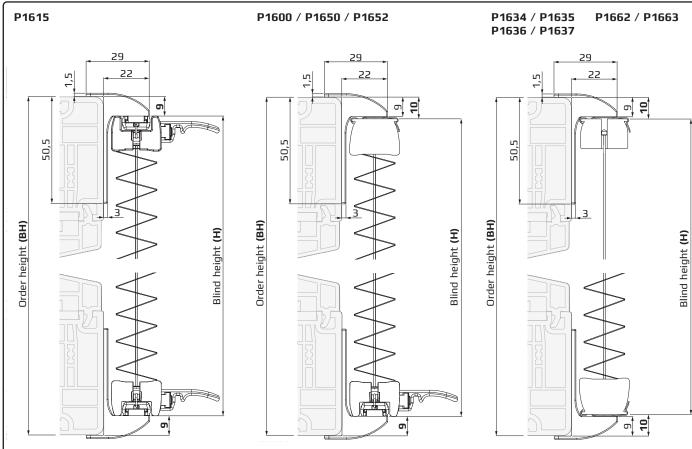
Option - Adhesive support

Dimensions and options









Adhesive instructions

The adhesive backing is equipped with a double-sided PE foam adhesive tape *tesa® 64911*. To ensure optimum adhesive strength, the following processing instructions must be observed.

Cleaning the adhesive surface

The adhesive surface must be clean and dry and free of grease, oil, dirt and silicone residues!

The surface is cleaned with the specially designed cleaning cloth (#99022000).

alternatively with 2 lint-free cloths and as solvent ethanol, isopropanol or tesa® 60040 Industry Cleaner.

One cloth for applying the solvent and a second cloth for drying the surface.

Processing

The optimum processing temperature should be between 15° C and 35° C.

The liner/protective film should be carefully peeled off at an even speed and at a right angle.

Do not touch the adhesive surface!

Due to the immediate adhesive effect, the adhesive backing can no longer be repositioned and therefore cannot be used again!

The contact pressure is a prerequisite for an optimal connection and prevents the formation of air pockets!

Adhesive force development

At a room temperature of 21°C, 50% of the final adhesive strength will be reached after 20 min.

At a room temperature of 21°C, 75% of the final adhesive strength will be reached after 1 hour.

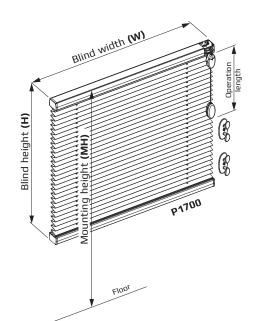
At a room temperature of 21°C, 90% of the final adhesive strength will be reached after 24 hours.

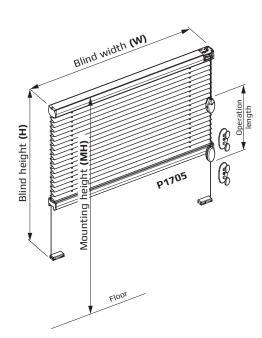
At a room temperature of 21°C, 100% of the final adhesive strength will be reached after 72 h.



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

Pleated blind dimensions

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



- 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 mmHeight: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

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 \emptyset 2.9 x 9.5 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 \emptyset 3.9 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)

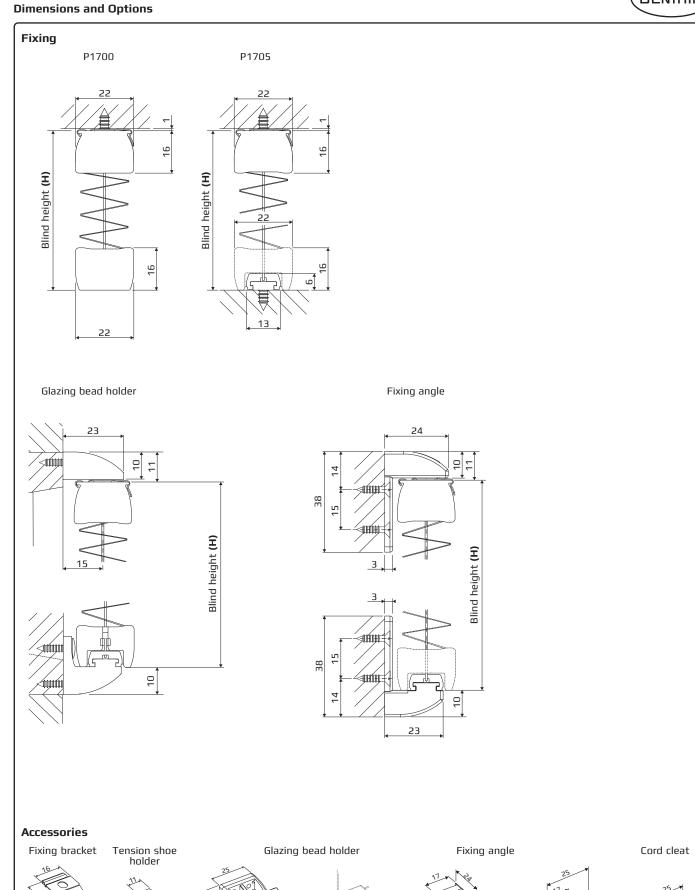
or screw the glazing bead holder onto the glass strip (DIN 7982 \emptyset 2.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 \emptyset 3.9 x 13 mm).

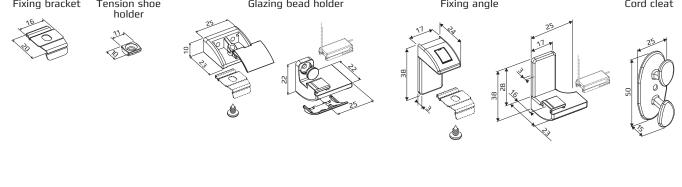
Shuttle protection: (Type P1705)

- 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

Type P1700 / P1705



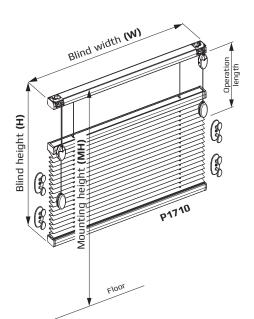


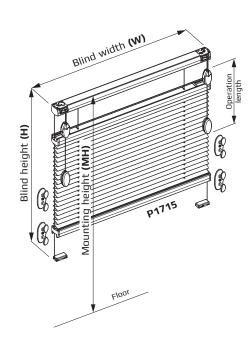




P1710 - Free-hanging blind with two pull-cord operating devices and changeable hangings.

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

Pleated blind dimensions

Gear/Hardware

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

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 (06.0 mm) equipped with abrasion-resistent plastic cord lugs

• **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)

Visible plastic parts adapted to the profile colours in white, grey and black

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

• Honeycomb fabrics • 25 mm width • invisible drilled hole (03.5 mm) for cord guiding

• Distance between the cords 0.40 or 0.60 m (dependent on the material)

 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 02.9 x 9.5 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 03.9 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 02.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 03.9 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

_____ 30

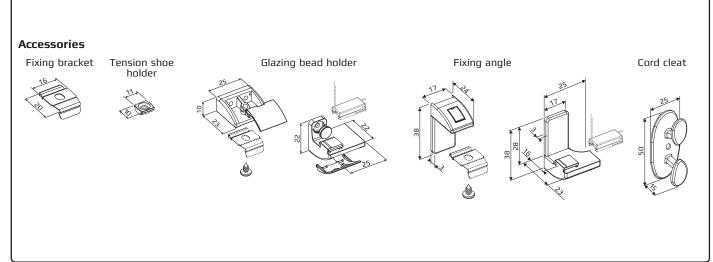
Colours

Fabric

Mounting



Type P1710 / P1715 **Dimensions and Options** Fixing P1710 Glazing bead holder Fixing angle P1710 / P1715 P1710 **ZIIIII** 24 10 17 **SHIJIL** Blind height (H) 38 Blind height (H) Blind height (H) 3 16 10 4mmi P1715 P1715 24 10 17 38 Blind height (H) Blind height (H)



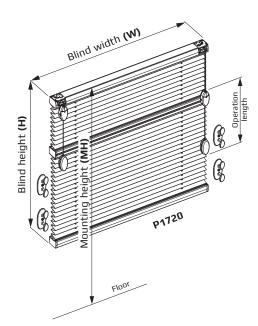
38

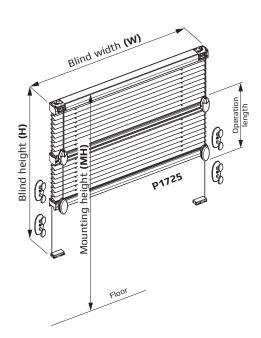
14



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

Pleated blind dimensions

Width: min. 0.30 m

max. 2.20 m

Height: min. 0.20 m

max. 2.60 m 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

Surface:

Cords made of polyester yarn, 00.8 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 (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- · Visible plastic parts adapted to the profile colours in white, grey and black

Fabric

- Pleated fabric hangings 20 mm pleat width visible drilled hole (03.5 mm) for cord guiding
- Honeycomb fabrics 25 mm width invisible drilled hole (03.5 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)

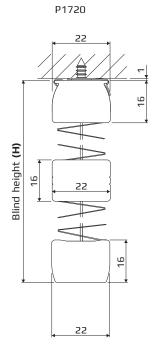
or screw the fixing angle onto the window frame (DIN 7982 03.9 x 13 mm).

Shuttle protection: (Type P1725)

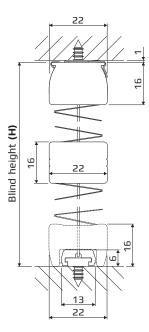
- Even if the window is tilted, the hangings run between two ropes (Ø1.2 mm polyester yarn with kevlar core, 16 cords) parallel to the casement
- The movable profile covers the tightening devices



Fixing

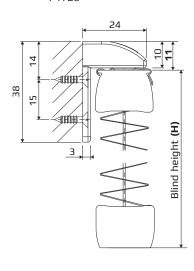


P1725



Fixing angle

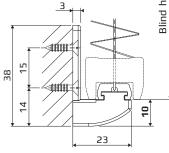
P1720



P1725

24

(H) this height (H)



Accessories

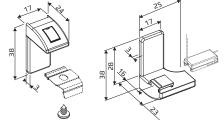
Fixing bracket



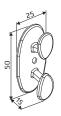
Tension shoe holder



Fixing angle



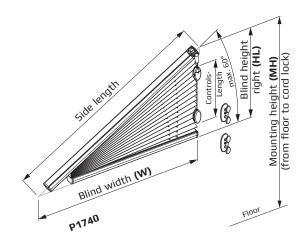
Cord cleat

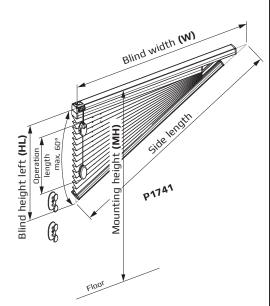




P1740 - Free-hanging triangle blind with pull-cord operation.

P1741 - Tensioned triangle blind with pull-cord operation.







for further informations please refer to page 6-7

Pleated blind dimensions

Blind width: min. 0.50 m

max. dependent on side length

max. 2.00 m up to 60° Side lenath

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.

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, 00.8 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 (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 03.9 x 16 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 03.9 x 13 mm).

Type P1740 / P1741

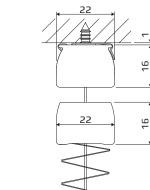
Dimensions and Options

P1740

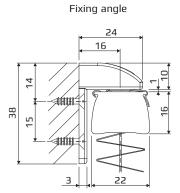


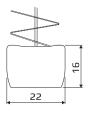
Fixing

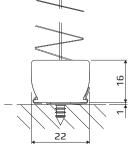
91



P1741



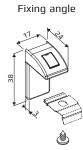




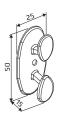
Accessories

Fixing bracket

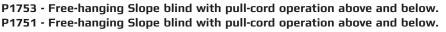


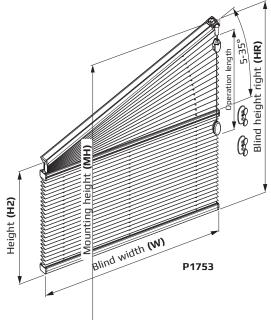


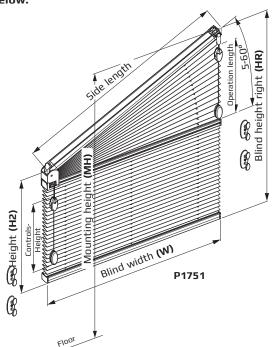
Cord cleat













Pleated blind dimensions P1753

P1751

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

• 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) $5-60^{\circ}$ 0° 15°

• Blind angle: 5-60°

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
- 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 (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 (03.5 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).

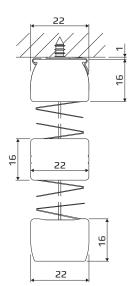
Type P1753 / P1751

Dimensions and Options

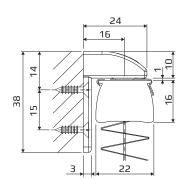


Fixing

P1753 / P1751



Fixing angle

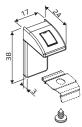


Accessories

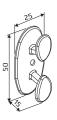
Fixing bracket



Fixing angle



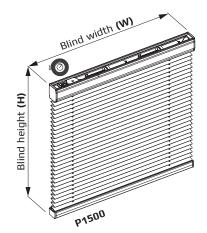
Cord cleat

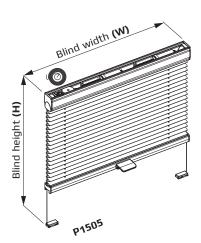




P1500 - Free-hanging blind and spring mechanism operation.

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





Pleated blind dimensions

Gear/Hardware

Lower rail

Colours

Fabric

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

• Neigungswinkel: max. 15° 🔏

• 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 mmWidth: 22 mmHeight: 16 mm

Aluminium extruded (Al Mq Si 0.5 F22)

• Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

 Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)

(RAL 9005) and anthracite structure (RAL 7016)
 Visible plastic parts adapted to the profile colours in white, grey and black

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 03.9 x 16 mm)

or screw the glazing bead holder (with clip) onto the glass strip (DIN 7982 \emptyset 2.9 x 9.5 mm) or screw the fixing angle (with clip) onto the window frame (DIN 7982 \emptyset 3.9 x 13 mm).

Fixing of tightening devices: Screw the tensioning shoe holders directly into the window frame or glass strip (DIN 7982 03.9 x 13 mm)

or screw the glazing bead holder onto the glass strip (DIN 7982 02.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 03.9 x 13 mm).

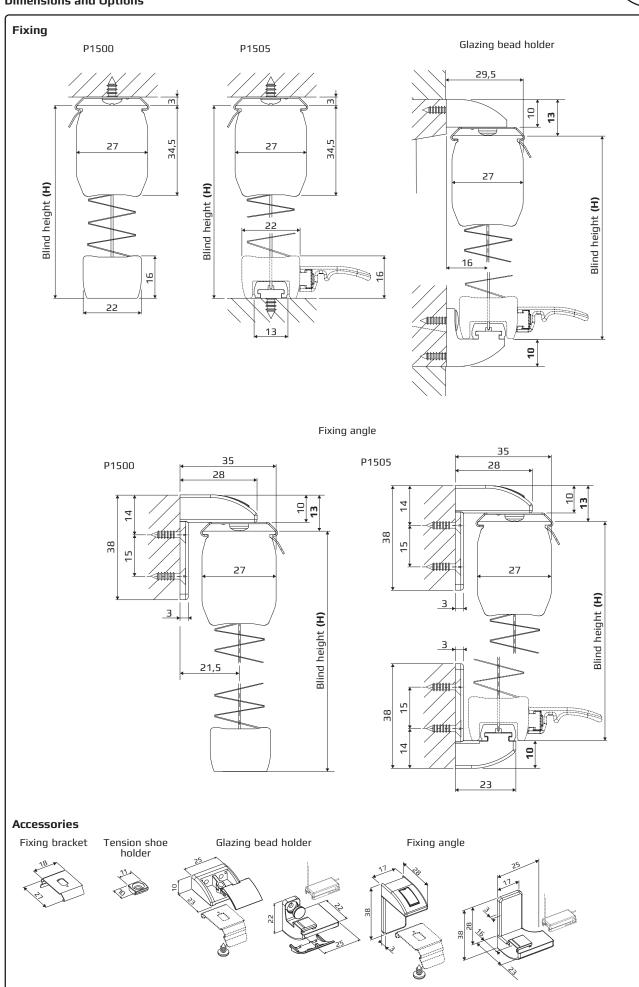
Shuttle protection: (Type P1505)

- 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

Type P1500 / P1505

Dimensions and Options

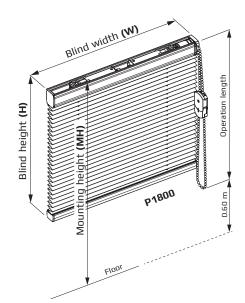


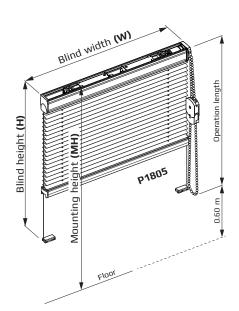




P1800 - Free-hanging blind and chain hoist operation.

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







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

Pleated blind dimensions

width: min. 0.40 m max. 2.20 m
Height: min. 0.20 m max. 2.60 m of 15°
Surface: max. 5.70 m²
Inclination angle: max. 15°



Pleated fabric between two profile rails

Mounting height: min. 1.50 m

- 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 04.5 x 6.0 mm on a polyester cord 01.4 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
Width: 22 mm

- Height: 16 mmAluminium extruded (Al Mg Si 0.5 F22)
 - Hole punch (Ø6.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

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 (03.5 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 03.9 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 \emptyset 2.9 x 9.5 mm) or screw the fixing angle onto the window frame (DIN 7982 \emptyset 3.9 x 13 mm).

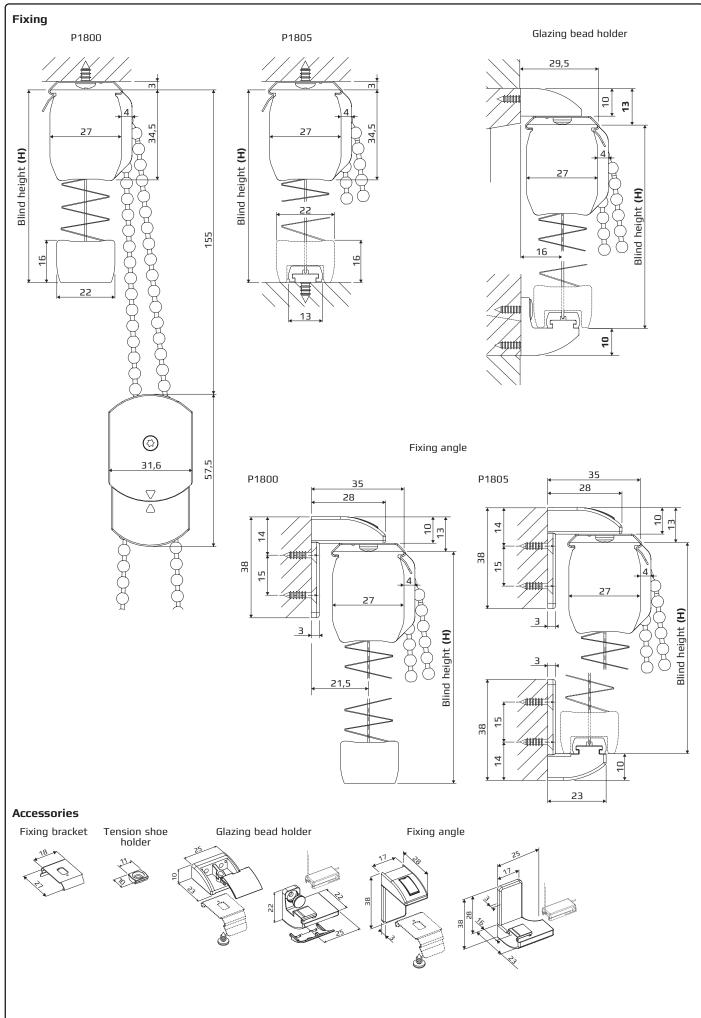
Shuttle protection: (Type P1805)

- 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

Type P1800 / P1805

Dimensions and Options

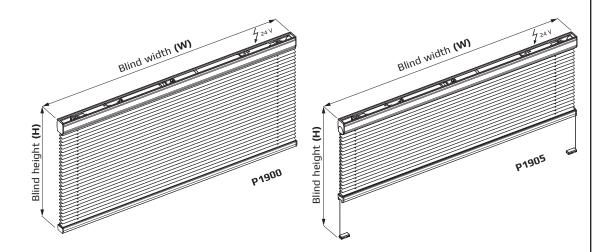






P1900 - Free-hanging blind and motor operation.

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



Pleated blind dimensions

Width: min. 0.70 m max. 2.20 m

• **Height:** min. 0.20 m

max. 2.60 m **Surface:** max. 5.70 m²

max. 3.76 m

• 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: 024 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 mmHeight: 34.5 mmWidth: 22 mm

Lower rail

- Height: 16 mmAluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- · Visible plastic parts adapted to the profile colours in white, grey and black

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 03.9 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 03.9 x 13 mm).

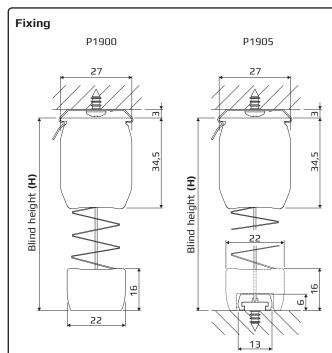
Shuttle protection: (Type P1905)

- 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

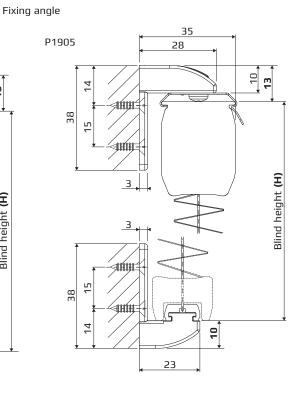
Type P1900 / P1905

Dimensions and Options





Blind height (H)



Accessories

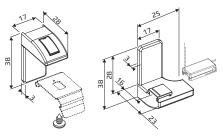
Fixing bracket



Tension shoe holder



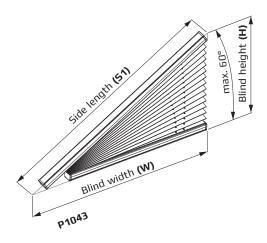
Fixing angle

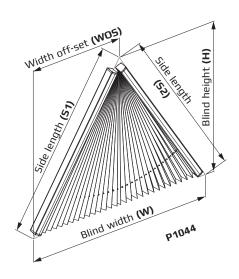




P1043 - Fixed triangle blind.

P1044 - Fixed triangle blind (isosceles or non-isosceles triangle).





Pleated blind dimensions

• 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, 00.8 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 mmHeight: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 (03.5 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).

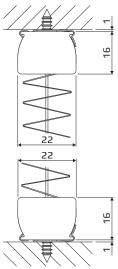
Type P1043 / P1044

Dimensions and Options

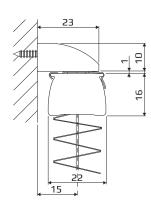


Fixing

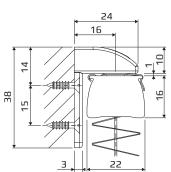
P1043



Glazing bead holder



Fixing angle

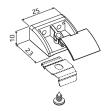


Accessories

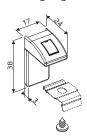
Fixing bracket



Glazing bead holder



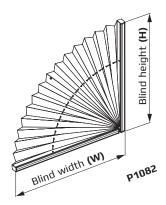
Fixing angle

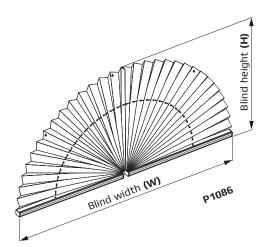




P1082 - Fixed blind 90° (quadrant).

P1086 - Fixed triangle blind 180° (semicircle).





Pleated blind dimensions

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

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

Fabric

• Pleated fabric hangings • 20 mm pleat width • visible drilled hole (@3.5 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).

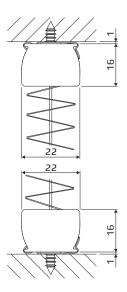
Type P1082 / P1086

Dimensions and Options

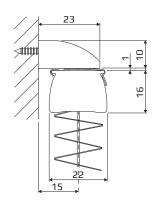


Fixing

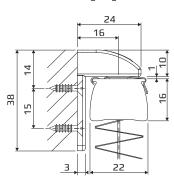
P1082 / P1086



Glazing bead holder



Fixing angle

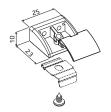


Accessories

Fixing bracket



Glazing bead holder



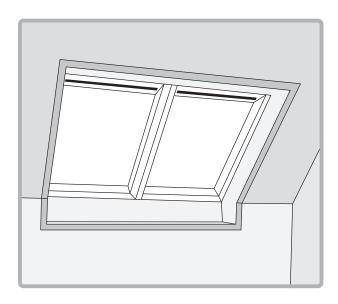
Fixing angle



Hook



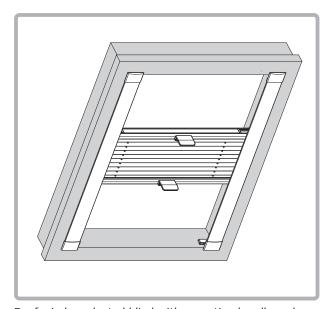




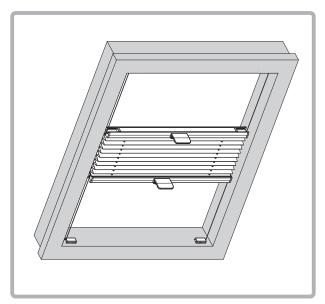
Roof window pleated blind with operating handle.

For roof windows blinds Roof pitch angle from 20°-90°

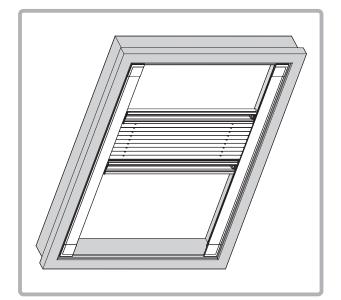
Installation widths: from 0.20 - 1.50 m Installation heights: up to 1.50 m



Roof window pleated blind with operating handle and variable hanging. Type P2616 with **side guide rails** (providing for excellent shading and easy installation).

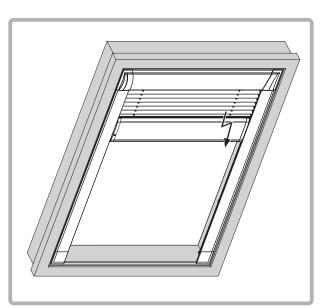


Roof window pleated blind with operating handle and variable hanging. Type P2615 with **cable tensioning**.



Roof window pleated blind with **handle profiles** and variable hangings. Secure guidance of the profiles and **minimised**

incidence of light due to rubber seal and special end

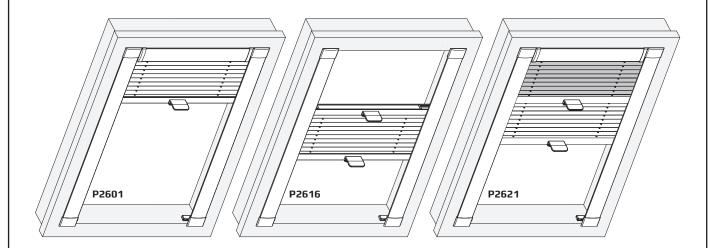


Motorised roof window pleated blind without power connection self-charging by **battery** and **solar power**. Comfort at the touch of a button.

Type P2601 / P2616 / P2621



- P2601 Roof window pleated blind with handle operation and hangings above, two side profiles and one profile above.
- P2616 Roof window pleated blind with handle operation and changeable hangings and two side profiles.
- P2621 Roof window pleated blind with handle operation and two hangings above (day/night), two side profiles and one profile above.



Pleated blind dimensions

min. 0.20 m Width:

max. 1.50 m min. 0.20 m

Height: max. 1.50 m Surface:

max. 2.25 m²

Roof pitch angle: 20°-90°

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, 00.8 mm
- Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic
- Locking function of the operation profile on the tightening devices

Profile rail

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 in grey

Masking profile

Width: 22 mm Height: 16 mm Width: 38 mm

Depth: 39 mm

- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

Control

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 m (dependent on the fabric)

Mounting

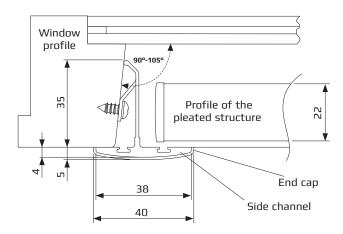
- Direct screw fitting of masking profile (DIN 7981 Ø3.9 x 16 mm)
- Fixing of upper rail: Clipped into fixing clip (V2A) on masking profile.
- Fixing of tightening devices: Tensioning feet are attached to the holders on the masking profile end caps.

Type P2601 / P2616 / P2621

Dimensions and Options



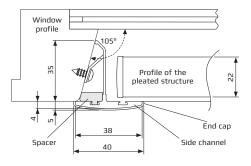
Fixing



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, 2.00 m and 2.50 m $\,$



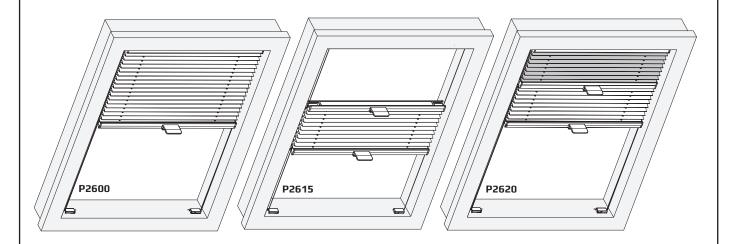
Type P2600 / P2615 / P2620



P2600 - Roof window pleated blind with handle operation and hangings above.

P2615 - Roof window pleated blind with handle operation and changeable hangings.

P2620 - Roof window pleated blind with handle operation and two hangings above (day/night).



Pleated blind dimensions

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: 20°-90°

20°

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 ± 5-10 mm (dependent on the material)
- Cords made of polyester yarn, 00.8 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 in grey

Profile rail

- Width: 22 mm
- Height: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 0.35 or 0.90 m (dependent on the fabric)

Mounting

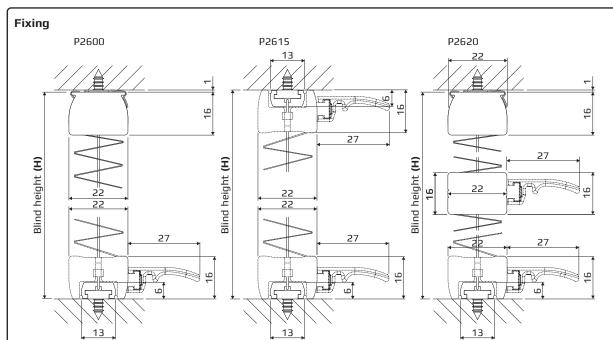
- Fixing of upper rail: Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 Ø3.9 x 16 mm).
- or screw the fixing angle (with clip) onto the window frame (DIN 7982 03.9 x 13 mm).
- **Fixing of tightening devices:** Screw the tension shoe holder directly into the window frame (DIN 7982 Ø3.9 x 13 mm)

or screw the fixing angle onto the window frame (DIN 7982 03.9×13 mm).

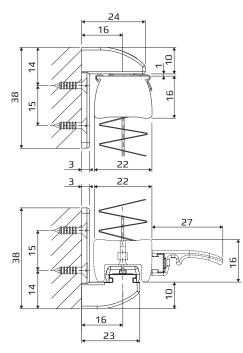
Type P2600 / P2615 / P2620

Dimensions and Options





Fixing angle

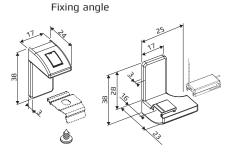


Accessories

Fixing bracket







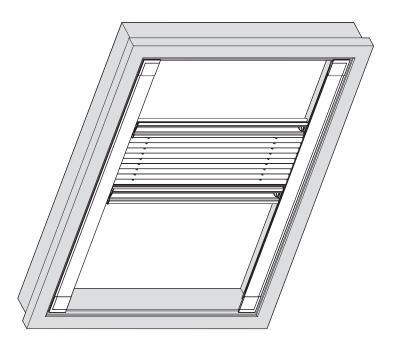
Control rod

Rod (anodized) with joint universal, reaches up to the universal operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





P2660 - Roof window pleated blind with handle profile, side guiding profiles and variable hanging.



Pleated blind dimensions

• Width: min. 0.20 m

max. 1.50 m (depending on the fabric)

Height: min. 0.20 m

max. 1.60 m (depending on the fabric)

Surface: max. 2.40 m²

Installation depth: min. 27 mm

Roof pitch angle: 20°-90°



Mechanics

- Pleated fabric between two profile rails.
- Two-part handle profile (handle profile and fabric profile)
- Closed, tensioned cord system where the cord tension can be corrected.
- Cords of polyester yarn, 00.8 mm
- Hole punching (06.0 mm) provided with abrasion-resistant plastic cord eyelets.
- Optional: operating rod (anodised aluminium rod E6/EV1) with plastic joint.

Control

- Fabric curtain can be stopped at any desired position by means of a handle profile.
- Optional: operating rod (anodised aluminium rod E6/EV1) with plastic joint.

Profils/colours

- Two-part handle profile (34.4 x 28 mm) and side profile (33 x 26.5 mm) made of extruded aluminium (Al Mg Si 0.5 F22) powder coated white (RAL 9016) or technically anodised a according to E6/EV1.
- Plastic parts made of high-quality, temperature-resistant and abrasion-resistant plastic.
- Visible plastic parts in white or grey to match the profile colours.
- Profile end caps made of black plastic, lacquered in white or grey to match the profile colour.

Fabric

- Pleated fabric hangings 20 mm pleat width visible hole (03.5 mm) for cord guidance
- \bullet Honeycomb fabrics $\,\bullet$ 25 mm width \bullet invisible hole (03.5 mm) for cord guidance
- Distance between the cords 0.35 or 0.90 m (dependent on the fabric)

Mounting

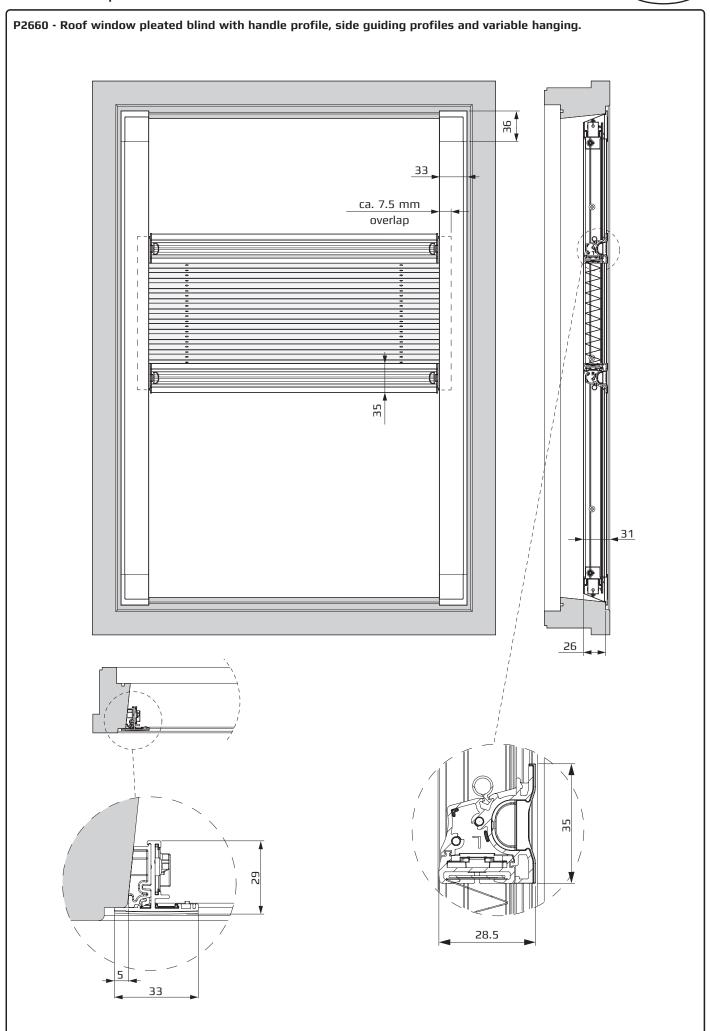
- Direct screwing of the side profiles (screws DIN 7981 Ø3.5 x 19 mm).
- Optional: Universal bracket (screws DIN 7982 02.9 x 9.5 mm) as mounting aid.

Option

Operating rod - Anodised rod with joint, engages in the receptacle on the handle profile.
 Length: 1.00 m, 1.50 m, 2.00 m und 2.50 m.

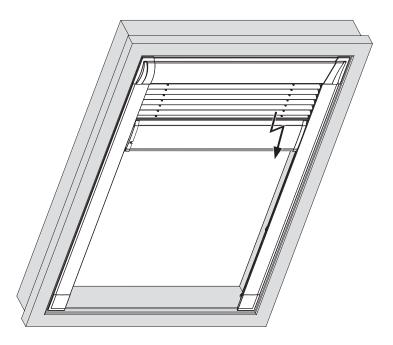








P2690 - Roof window pleated blind with drive in motor profile, side guiding and curtain at top.



Pleated blind dimensions

• Width: min. 0.40 m

max. 1.50 m (dependent on the fabric)

27 mm

• Height: min. 0.40 m

max. 1.60 m (dependent on the fabric)

• Surface: max. 2.40 m²

Installation depth:

(Cassette profile)

min.

Roof pitch angle: 20°-90°

Frame depth: min. 38 mm

Gear/Hardware

- Pleated fabric between two profile rails
- Closed, tensioned cord system, cords made of polyester yarn, 00.8 mm
- Motor drive and power supply (battery/solar) in the movable motor profile.
 The operation is carried out by a radio remote control and allows precise, stepless positioning of the pleated fabric in any desired position.
- Multiple protection by chain safety device, slip clutch and motor overload protection.
- Motor profile (64 x 38,5 mm), Cover profile (50 x 58 mm) and Side profile (33 x 29 mm)
 made of extruded aluminium (Al Mg Si 0.5 F22) powder-coated in white structure (RAL 9016), grey structure
 (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Plastic parts made of high-quality, temperature-resistant and abrasion-resistant plastic.
- Visible plastic parts adapted to the profile colours in white, grey and black
- Profile end caps made of black plastic, lacquered in white or grey to match the profile colour.
- Mounting components in red.
- Hole punching (06.0 mm) provided with abrasion-resistant plastic cord eyelets

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 0.35 or 0.90 m (dependent on the fabric)

Mounting

- Cover profile mounting by means of holder set (screws DIN 7982 Ø2.9 x 9.5 mm).
- Holder mounting (screws DIN 7982 02.9 x 13 mm or steel nails 02.0 x 25 mm).
- Side profile mounting (screws DIN 7982 03.5 x 16 mm).



P2690 - Roof window pleated blind with drive in motor profile, side guiding and curtain at top.

Drive

- Plug-in drive SOMFY Tilt & Lift 25 RTS central 12 V
 - Dimension: 024 x 207 mm Rated voltage: 12 V Max. Current consumption: 0.7 A
 - Rated torque: 0.8 Nm Rated speed: 33 rpm High frequency: 433.42 MHz
 - Operating temperature: 0° 60°C Weight: 0.215 kg Protection class: IP 20
 - Antenna: 18 cm cable, must not be shortened or extended

• Power supply: NiMH battery pack

- Dimension 0260 x 29 x 14.5 mm Weight: 0.300 kg Typ: NiMH Rated voltage: 12 V
- Nominal charge: 21.6 Wh Charging capacity: approx. 200 220 cycles* Capacity: 1800 mAH
- 2x BEC plugs Operating temperature: 0° to 70° C
- * One cycle corresponds to the complete movement of the blind in both directions.

 The maximum number of cycles results from a window size (approx. 800 x 1000 mm), the selected motor, the self-discharge and the general wear and age of the battery.

• Solar module

- Clipped to the motor profile Dimension: Ø350 x 40 x 2.5 mm Weight: 0.300 kg
- Type: Monocrystalline silicon Nominal voltage: 12 V Nominal peak power: 2 Wp
- Maximum voltage: 16.5 V Maximum power: 121 mA
- Operating temperature: -40° bis 80° C• JST-PH connector

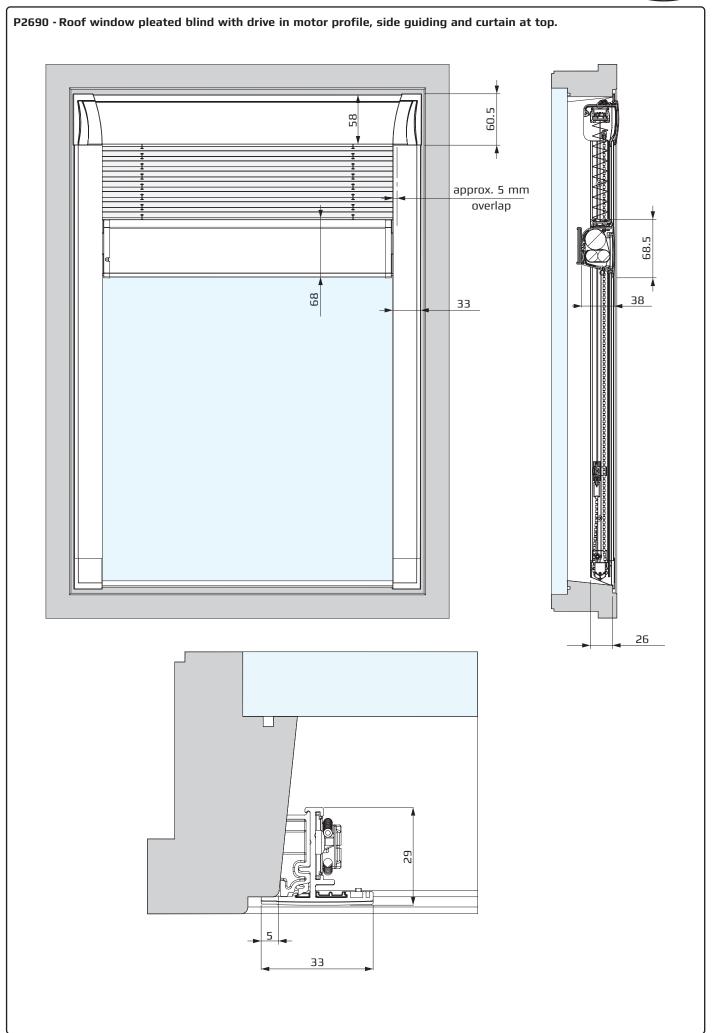
• Charger for Battery pack:

- Input voltage: 230 V Output voltage: 12 V Max. current consumption: 0.5 A
- Round plug: 03.5 mm BEC plug Cable: 3 m incl. status LED

• Charging cable adapter:

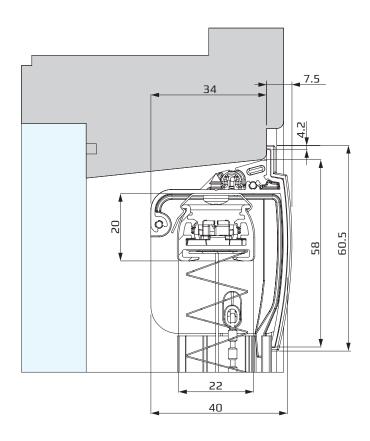
• Length: 170 mm • JST-RCI plug • Cable round socket (outside 03.6 mm, inside 01.3 mm)

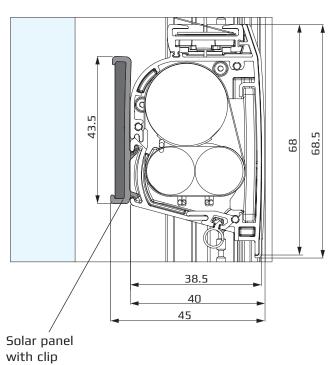




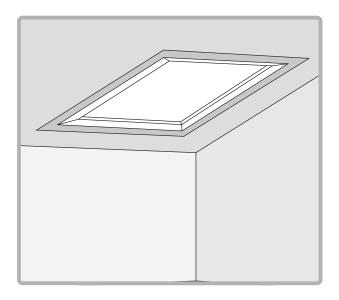


P2690 - Roof window pleated blind with drive in motor profile, side guiding and curtain at top.









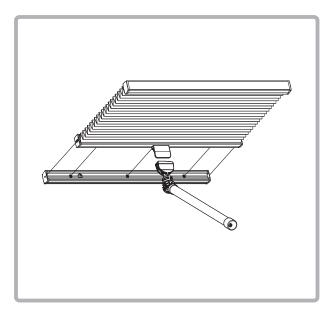
Tensioned blinds (tensioned with steel cables) with different operating types for ceiling windows and conservatories.

Roof pitch angle up to 0° (horizontal)

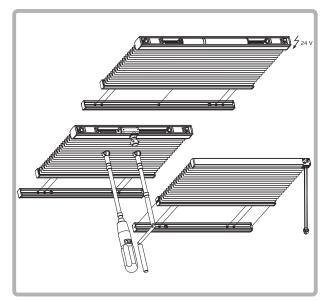
Blind dimensions: 0.30 - 1.50 m x 4.00 m



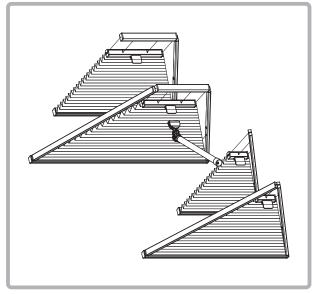
For cord-operated blinds **(type P3700)** child safety must be observed - see page 6.



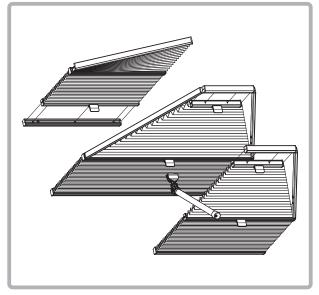
Tensioned ceiling blind with **handle operation** and optional control wand.



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



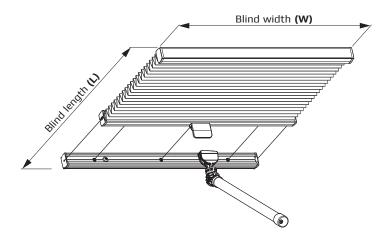
Different triangular or trapezoidal shapes.



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



P3600 - Tensioned blind with operating handle and wire tension.



Pleated blind dimensions

• Width: min. 0.30 m

max. 1.50 m **Lenath:** min. 0.20 m

max. 4.00 m

Roof pitch angle: 45°-0°

45°

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 (00.81 mm), covered in synthetic material on 01.00 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 in grey

Profile rail

- Width: 22 mm
- Height: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

Fabric

- Pleated fabric hangings 20 mm pleat width visible drilled hole (03.5 mm) for cord guiding
- Honeycomb fabrics 25 mm width invisible drilled hole (Ø3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 m (dependent on the fabric)

Mounting

• Fixing of upper and lower profiles: Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 03.9 x 16 mm).

Wire tension

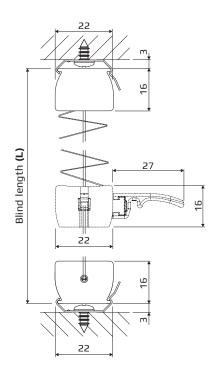
The wire tension can be changed with an adjusting screw

Type P3600

Dimensions and Options



Fixing



Accessories

Special fixing bracket



Control rod

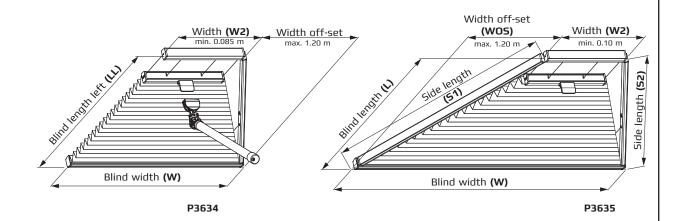
Rod (anodized) with joint, reaches up to the operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





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.



Pleated blind dimensions

 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

Roof pitch angle:

max. 1.20 m

45°-0°

45°

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, 00.8 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 in grey

Profile rail

Width: 22 mmHeight: 16 mm

Upper rail/ Side profile

- Width: 20 mmHeight: 13 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

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 (@3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 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

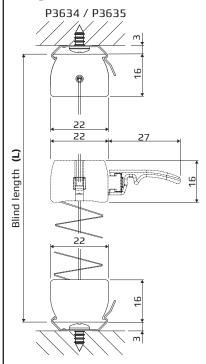
• The wire tension can be changed with an adjusting screw

Type P3634 / P3635

Dimensions and Options



Fixing



Accessories

Special fixing bracket



Control rod

Rod (anodized) with joint, reaches up to the operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$

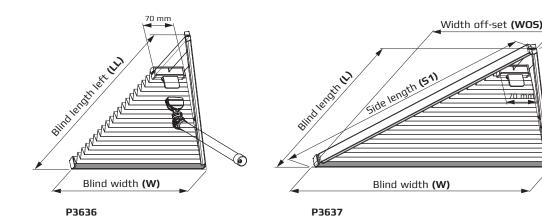




Side length (S2)

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).



Pleated blind dimensions

Width: min. 0.30 m

max. 1.20 m (P3636)

max. 1.50 m (P3637)

Length: min. 0.20 m

max. 2.00 m

Roof pitch angle: 45°-0°

Gear/Hardware

Control

Colours

Fabric

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, 00.8 mm

Tensions wire: Material 1.4401 (@0.81 mm), covered in synthetic material on @1.00 mm in white, grey or black

Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

Operating handle: 1 operation handle in the middle

Option: Control rod (anodized aluminium rod E6/EV1) with plastic joint in grey

Profile rail Width: 22 mm

Height: 16 mm

Side profile Width: 20 mm Heiaht: 13 mm

Aluminium extruded (Al Mg Si 0.5 F22)

Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure

(RAL 9005) and anthracite structure (RAL 7016)

Visible plastic parts adapted to the profile colours in white, grey and black

Pleated fabric hangings • 20 mm pleat width • visible drilled hole (03.5 mm) for cord guiding

Honeycomb fabrics • 25 mm width • invisible drilled hole (Ø3.5 mm) for cord guiding

Distance between the cords 0.35 or 0.90 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).

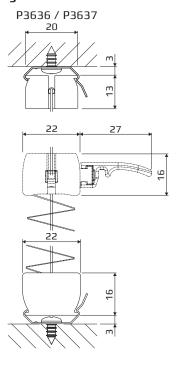
Wire tension The wire tension can be changed with an adjusting screw

Type P3636 / P3637

Dimensions and Options



Fixing



Accessories

Special fixing bracket



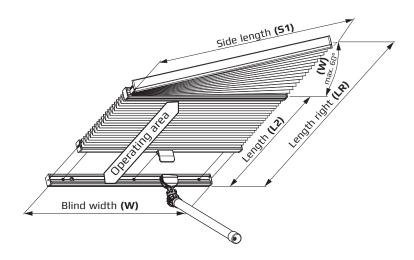
Control rod

Rod (anodized) with joint, reaches up to the operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





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



Pleated blind dimensions

• **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°

• Roof pitch angle: 45°-0°

45°

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, 00.8 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 in grey

Profile rail

- Width: 22 mm
- Height: 16 mm
- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible **plastic parts** adapted to the profile colours in white, grey and black

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 0.35 or 0.90 m (dependent on the fabric)

Mounting

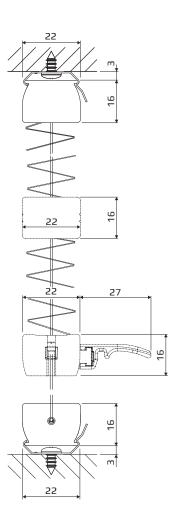
• **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 03.9 x 16 mm).

Wire tension

• The wire tension can be changed with an adjusting screw



Fixing



Accessories

Special fixing bracket



Control rod

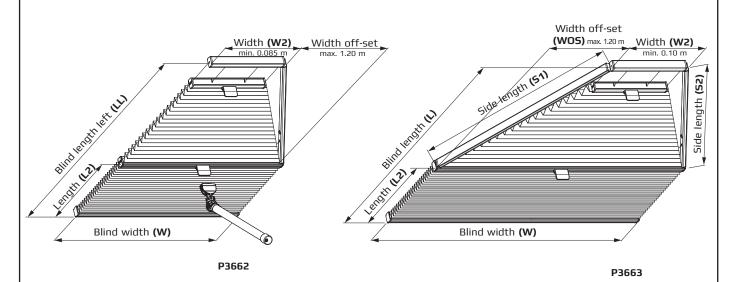
Rod (anodized) with joint, reaches up to the operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





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

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



Pleated blind dimensions

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

Width W2: min. 0.10 m (P3663) max. 1.40 m

Roof pitch angle: 45°-0°



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 in grey

Profile rail

Width: 22 mmHeight: 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-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 (03.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 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

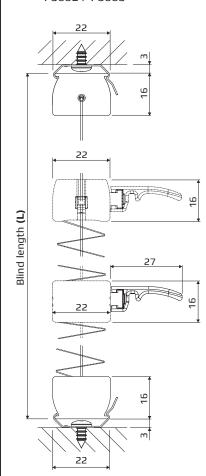
Type P3662 / P3663

Dimensions and Options



Fixing

P3662 / P3663



Accessories

Special fixing bracket



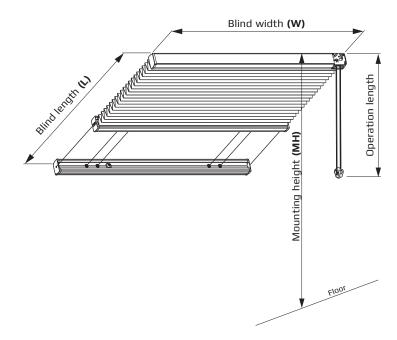
Control rod

Rod (anodized) with joint, reaches up to the operating handle. Length: 1.00 m, 1.50 m, 2.00 m and 2.50 m $\,$





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





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

Pleated blind dimensions

Gear/Hardware

Control

Colours

Fabric

• Width: min. 0.30 m

max. 1.50 m

Length: min. 0.20 m

max. 4.00 m

• Roof pitch angle: 45°-0°

Mounting height: min. 1.50 m

• 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, 01.2 mm

• Tensions wire: Material 1.4401 (00.81 mm), covered in synthetic material on 01.00 mm in white, grey or black

• Plastic parts made from high quality, temperature resistant and abrasion-resistant plastic

• Cord operation: cord fixation by cord safety in transparent

• 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 (06.0 mm) equipped with abrasion-resistent plastic cord lugs

• **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure

(RAL 9005) and anthracite structure (RAL 7016)

Visible **plastic parts** adapted to the profile colours in white, grey and black

• 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 0.35 or 0.90 m (dependent on the fabric)

• **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame

(DIN 7981 Ø3.9 x 16 mm).

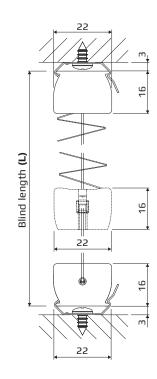
Wire tension • The wire tension can be changed with an adjusting screw

Mounting

Type P3700 Dimensions and Options



Fixing



Accessories

Special fixing bracket



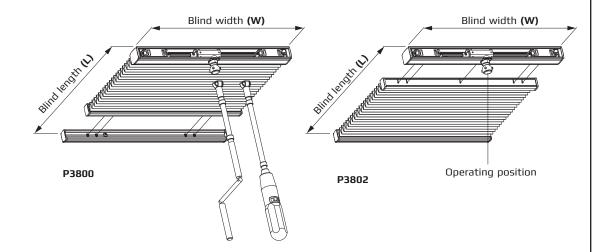
Cord safety





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).



Pleated blind dimensions

Width: min. 0.25 m

max. 1.50 m

Length: min. 0.20 m

max. 4.00 m

• Roof pitch angle: 45°-0°

45°

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 mmHeight: 34.5 mmWidth: 22 mm

Middle profile/ Lower rail

- Height: 16 mm
 Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- Profile rail: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black
- 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 (@3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 m (dependent on the fabric)

Mounting

• **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 03.9 x 16 mm).

Wire tension

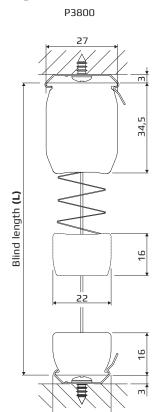
· The wire tension can be changed with an adjusting screw

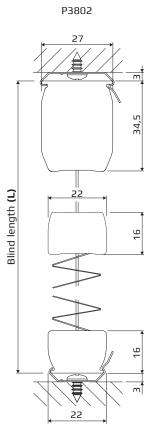
Type P3800 / P3802

Dimensions and Options



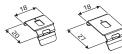
Fixing





Accessories

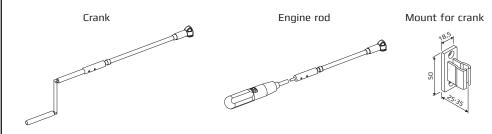
Special fixing bracket



Crank accessories

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

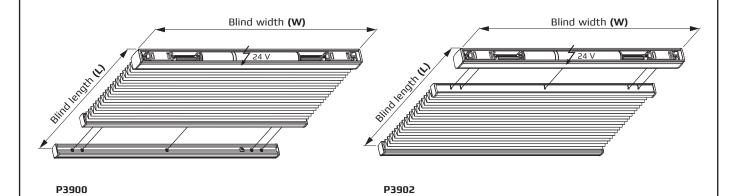
Electric crank for ceiling installations with crank operation including a rechargeable battery and a charger Length: 1.00 m, 1.50 m, 2.00 m or 3.00m





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).



Pleated blind dimensions

• Width: min. 0.40 m

max. 1.50 m

Length: min. 0.20 m

max. 4.00 m

Roof pitch angle: 45°-0°

45°

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

- \bullet Voltage rating: 24 V DC \bullet Connection: 2.5 m cable \bullet 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
- \bullet Operating temperature: -10 up to +60 $^{\circ}\text{C}$ \bullet Type of protection: IP40.

Upper rail

Lower rail

Width: 27 mm

Middle profile/

Height: 34.5 mm Width: 22 mm

• **Height:** 16 mm

- Aluminium extruded (Al Mg Si 0.5 F22)
- Hole punch (06.0 mm) equipped with abrasion-resistent plastic cord lugs

Colours

- **Profile rail**: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016)
- Visible plastic parts adapted to the profile colours in white, grey and black

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 (@3.5 mm) for cord guiding
- Distance between the cords 0.35 or 0.90 m (dependent on the fabric)

Mounting

• **Fixing of upper and lower profiles:** Screw the fixing bracket (V2A) directly into the window frame (DIN 7981 03.9 x 16 mm).

Wire tension

• The wire tension can be changed with an adjusting screw

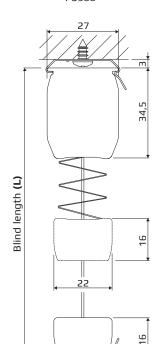
Type P3900 / P3902

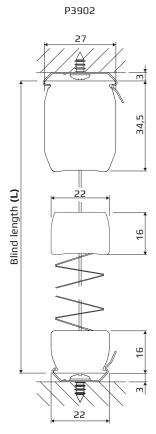
Dimensions and Options



Fixing

P3900





Accessories

Special fixing bracket







Benthin GmbH
Osterstader Str. 16
D-27572 Bremerhaven
T +49 471 79 84 0
F +49 471 79 84 111
E info@benthin.com

Benthin 11 Brookfield Duncan Close Moulton Park Northampton NN3 6WL

T +44 1604 490580 F +44 1604 648446 E info-uk@benthin.com

Benthin Systèmes E.U.R.L 27, Avenue de Montboulon FR-77165 St. Soupplets T +33 1 60 61 56 56 F +33 1 60 01 57 11 E info@benthin.fr

www.benthin.com