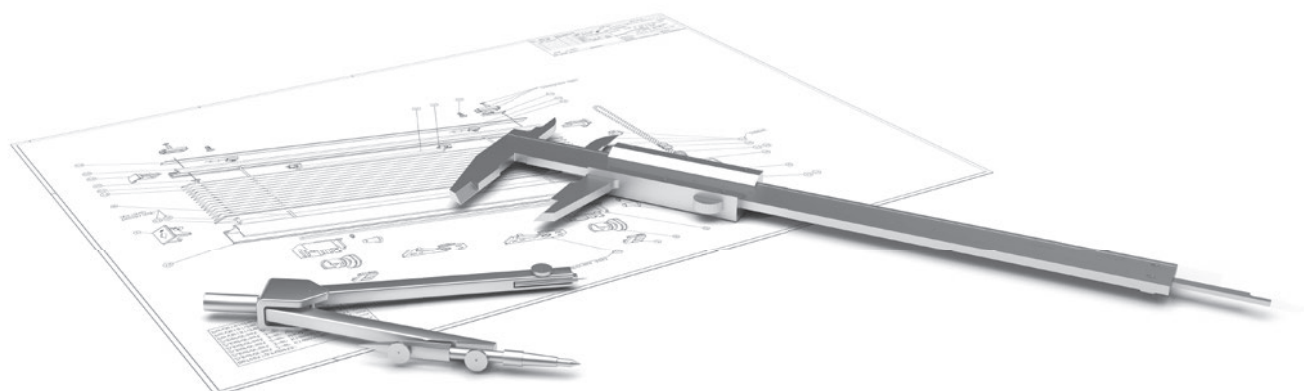


| | |
|--|-----------|
| Compensating device and Maxi profile | 174 |
| Vertical windows and doors | 175 - 182 |
| Skylights | 183 - 186 |
| Vertical special shapes, taut | 187 - 191 |
| Vertical special shapes, free-hanging | 192 - 194 |
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| Ceiling and conservatory blinds - Standard | 196 - 197 |
| Ceiling and conservatory blinds - Special shapes | 198 - 200 |



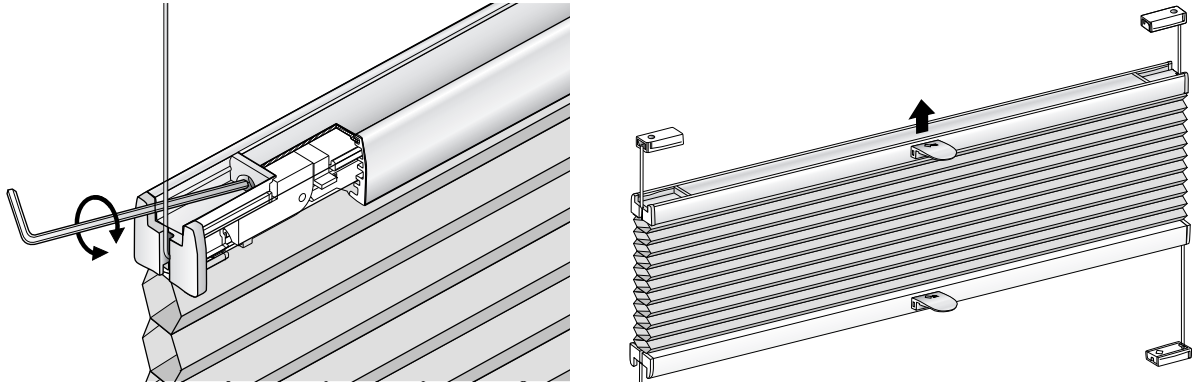
Technical
data

Compensating device and Maxi profile

for models 11-8120, 11-8220, 11-8222, 11-8320, 11-8370, 11-7120, 11-7220, 11-7370, 11-7122, 11-7223, 11-7372

Compensating device*

Based on the principle of bridge construction, the MHZ engineers have developed an aluminium profile, which allows pressure to build up on the inside of the profile and thus straightens it. The operating profiles can be aligned perfectly straight using this system, making unit widths of 180 cm (max. unit height 200 cm) possible without any sagging. The DUETTE® honeycomb blind units are adjusted at the factory. Retrospective adjustments can be made by the customer at any time using the Allen key provided.



The compensating device (at a surcharge) is optional from a system width of 120.1 cm. From a system width of 150.1 cm, the compensating device (at a surcharge) is included as standard and is only possible in combination with the Maxi profile (no surcharge). The compensating device can only be retrofitted at the factory.

Caution! Units with a compensating device should only be cleaned using a damp cloth. Mechanical parts must not come into contact with alkaline solutions or water.

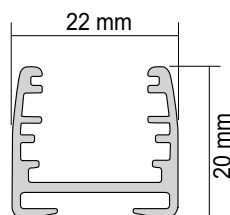
* Not for 11-5222 and 11-5322

Maxi profile

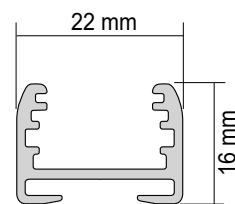
The Maxi profile is a higher operating profile to be used with the above models and features greater stability.

It is used as standard from a system width of 120.1 cm (without surcharge).

Smaller systems can also be equipped with the Maxi profile for orders in which several systems with different widths are to be installed side by side. Please specify when ordering.



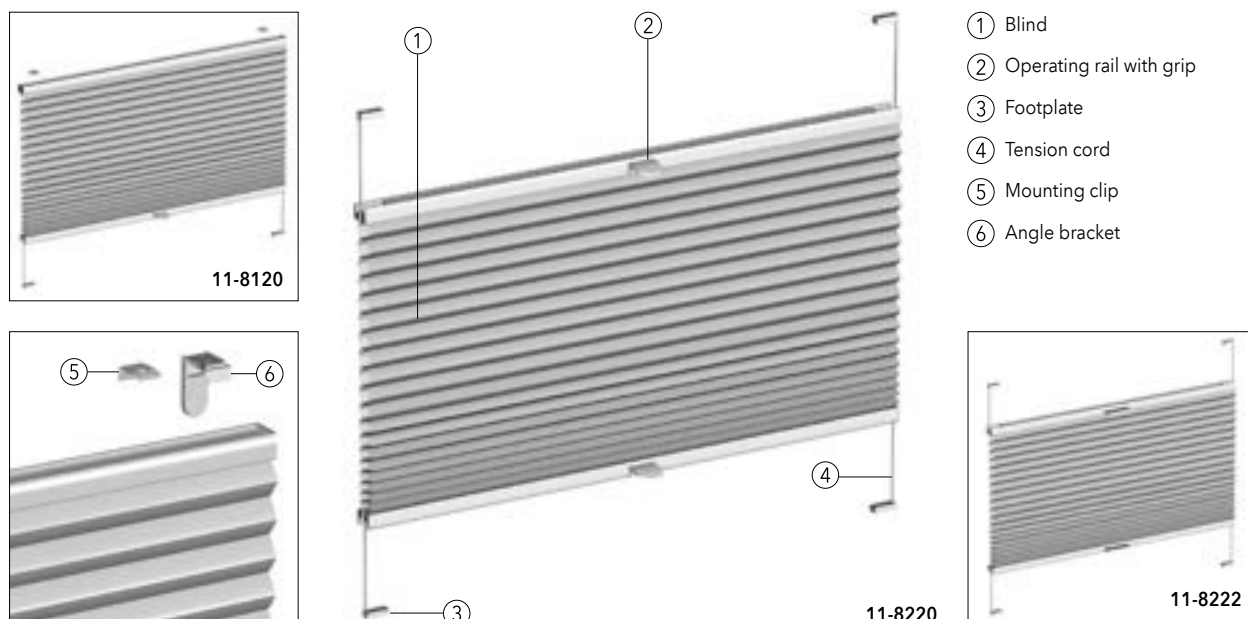
Maxi profile



Standard operating profile

Model 11-8120, 11-8220, 11-8222

Vertical windows and doors: Blind fixed at the top · Blind, freely movable



Technical data

Model: **11-8120** Taut honeycomb blind with blind fixed at the top
11-8220 Taut honeycomb blind with freely movable blind
11-8222 Taut honeycomb blind with freely movable blind and aluminium grip

Description: Blind individually adjustable by moving the operating rails. Head and operating rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Particularly suitable for glazing bead installation with tilt & turn windows, see p. 27. Parallel blind guidance by means of laterally taut guide cord.

Dimensions: Min. width 20 cm, max. width 150 cm (for blind units with widths of 120.1 cm - 150 cm: Maxi profile standard), max. height 240 cm, from widths of 150.1 cm to 180 cm, only in combination with Maxi profile and compensating device, max. height 200 cm.

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
 670 black powder-coated RAL 9005

| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 220 | 240 |
|-----------------|-----------------------------|-----|-----|-----|------|------|
| | Bundle height approx. (cm)* | 5.5 | 7.5 | 9.5 | 12.5 | 13.5 |

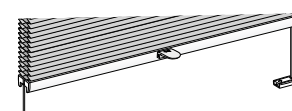
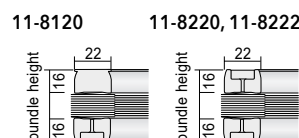
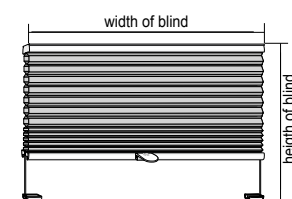
* Unit with Maxi profile + approx. 1 cm

Fabrics: See MHZ DUETTE® honeycomb blind collection.

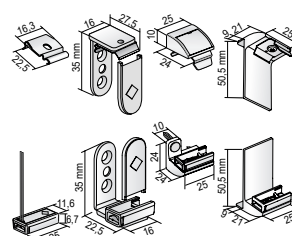
Operation: Open and close using operating rail(s). Rails secured at any desired position. An operating rod is optionally available for units difficult to reach. Units with widths of 140.1 cm or more are supplied with 2 or 4 grips. Other versions are available on request.

Special equipment: **ELLIPSIS:**
 For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge.
 For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge.
 Aluminium grip (only for 11-8120)
 Maxi profile (see page 174)
 Compensating device (see page 174)
 Swivel-mounted grip (only for 11-8220, 11-8120)

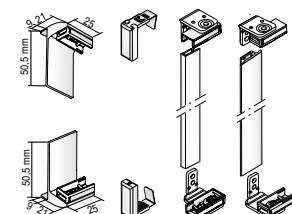
Installation: **11-8120** Ceiling installation (standard) with clip and footplates. Wall installation with angle or glazing bead brackets for front installation, adhesive brackets and clamp brackets (surcharge applies). 2 brackets up to a width of 64.9 cm, 3 brackets above a width of 65 cm.
11-8220, 11-8222 Ceiling installation (standard) with footplates. Angle or glazing bead brackets for front installation, adhesive brackets, clamp brackets, window clip and adhesive set (surcharge applies). See pages 28 - 34 for brackets and accessories.



11-8120, 11-8220, 11-8222



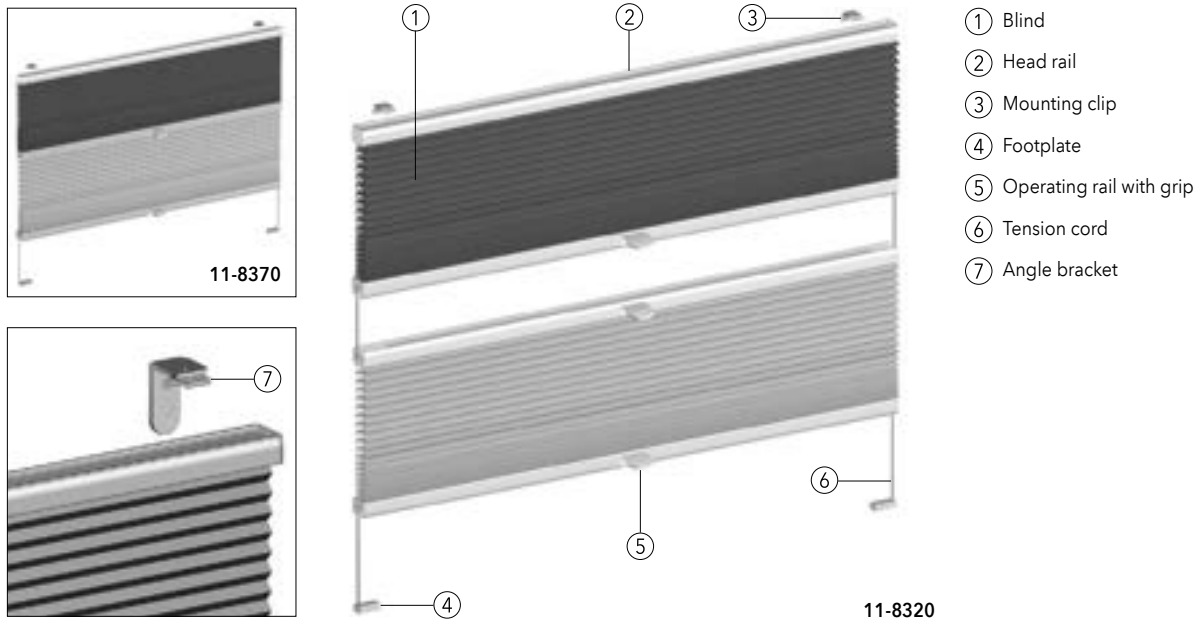
Only 11-8220, 11-8222



Technical data

Model 11-8320, 11-8370

Vertical windows and doors: 2 blinds



Technical data


| | | |
|-------------------|---|--|
| Model: | 11-8320 Taut honeycomb blind with two blinds, fixed at the top, freely movable at the bottom | |
| | 11-8370 Taut honeycomb blind with two blinds, fixed at the top | |
| Description: | Blind individually adjustable by moving the operating rails. Head and operating rail made of extruded aluminium. Blinds in various fabrics, see honeycomb blind collection. Tension cords in white. Particularly suitable for glazing bead installation for tilt & turn windows. Parallel blind guidance by means of laterally taut guide cord. | |
| Dimensions: | Min. width 20 cm, max. width 120 cm, max. height 220 cm, from widths of 120.1 cm - 150 cm (Maxi profile standard), max. height 150 cm, from width 150.1 cm - 160 cm only in combination with Maxi profile and compensating device, max. height 150 cm. | |
| Hardware colours: | 100 silver anodised E6/EV1 372 bronze anodised E6/3145 670 black powder-coated RAL 9005 | 171 white powder-coated RAL 9016 650 anthracite powder-coated similar to DB 703 |

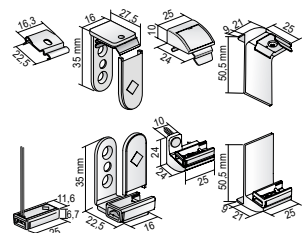
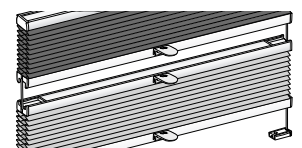
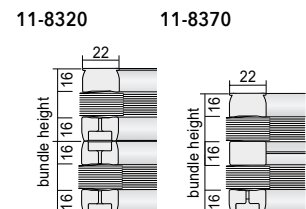
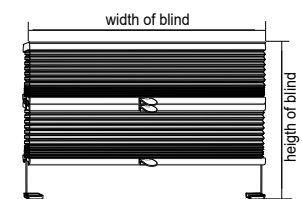
| | | | | | |
|-----------------|--|-----|------|------|------|
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 220 |
| | 11-8320 Bundle height approx. (cm)* | 8.5 | 10.5 | 12.5 | 16.5 |
| | 11-8370 Bundle height approx. (cm)* | 8.5 | 9.5 | 11.5 | 15.5 |

* Unit with Maxi profile + approx. 1 cm

| | |
|--------------------|---|
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. |
| Operation: | Open and close using operating rails. Rails secured at any desired position. An operating rod is optionally available for units difficult to reach. Units with widths of 140.1 cm or more are supplied with 4 or 6 grips. Other versions are available on request. |
| Special equipment: | ELLIPSIS For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge. For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge. Aluminium grip Grip, swivel-mounted Compensating device (see page 174) |

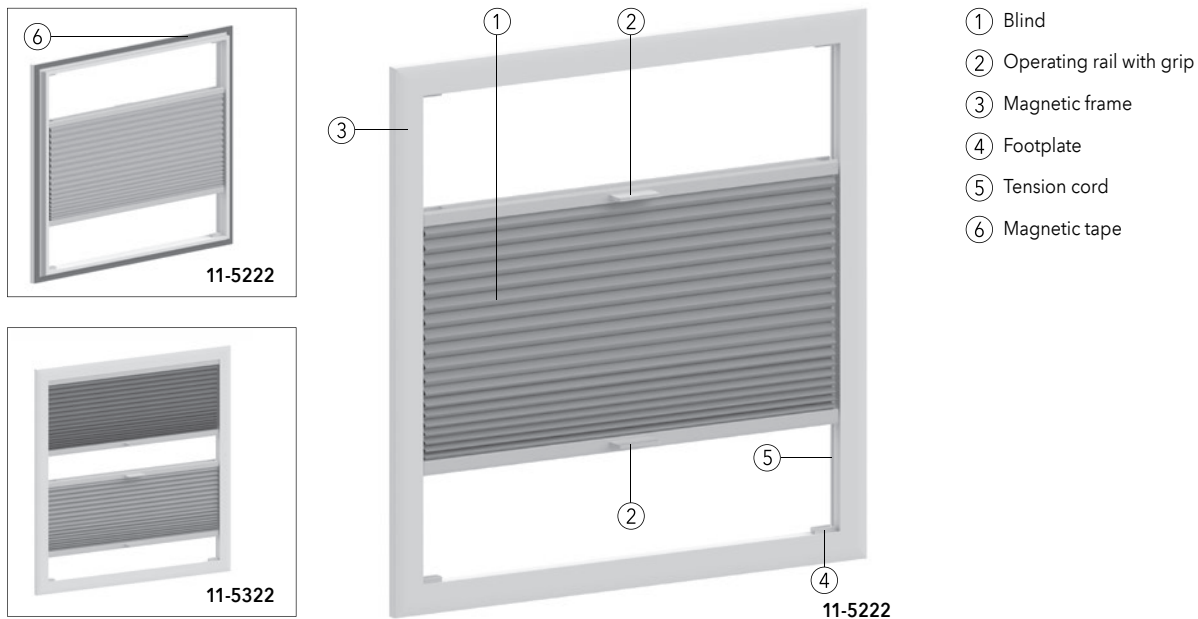
| | |
|---------------|---|
| Installation: | Ceiling installation (standard) with clip and footplates. Wall installation with angle or glazing bead brackets for front installation, adhesive brackets and clamp brackets (surcharge applies). 2 brackets up to a width of 64.9 cm, 3 brackets above a width of 65 cm. See pages 28 - 34 for brackets and accessories. |
|---------------|---|

| | |
|-------|--|
| Note: |  11-8320: Magnets are installed as standard in the two profiles that run together to prevent a light gap (see figure), which would otherwise be unavoidable. As an option, the compensating device with Maxi profile can be installed in units with a width of 120.1 cm to 150 cm. Only possible with compensating device from unit widths above 150.1 cm. Magnets can produce a far-ranging powerful magnetic field. Please observe safety clearance and instructions. Units should only be cleaned using a damp cloth. Mechanical parts must not come into contact with alkaline solutions or water. |
|-------|--|



Model 11-5222, 11-5322

Vertical windows and doors: Blind fixed at the top · Blind, freely movable · 2 blinds



Technical data

Model: 11-5222 Magnetic frame with taut honeycomb blind, freely movable blind and aluminium grip
11-5322 Magnetic frame with taut honeycomb blind, with two blinds, fixed at the top, freely movable at the bottom, with aluminium grip

Description: Blind individually adjustable by moving the operating rails. Head and operating rail made of extruded aluminium. Pleated blinds in various qualities, see MHZ collection. Colour of tension cords matches the blinds. Suitable for plastic and aluminium windows (anodised or coated) with straight or angled glazing bead.

Dimensions: Min. width 35 cm, max. width 150 cm, max. height 200 cm

Hardware colours: **Magnetic frame:**
171 white powder-coated RAL 9016
650 anthracite powder-coated similar to DB 703
670 black powder-coated RAL 9005
900 silver* powder-coated RAL 9006

Blind:
171 white powder-coated RAL 9016
650 anthracite powder-coated similar to DB 703
670 black powder-coated RAL 9005
100 silver anodised E6/EV1

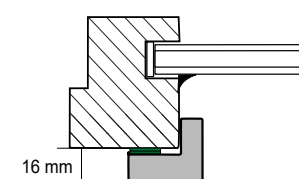
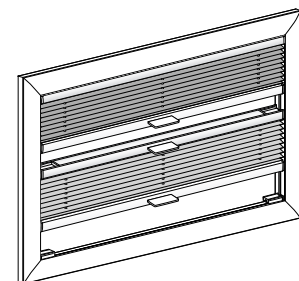
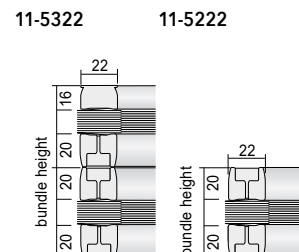
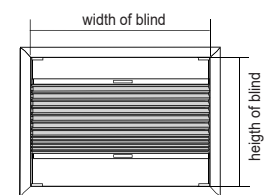
* For systems in the colour 100 silver anodised E6/EV1, the magnetic frame is supplied in the matching hardware colour RAL 9006 silver powder-coated

| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
|------------------------------------|------------------------|-----|------|------|------|
| 11-5222 Bundle height approx. (cm) | | 6,5 | 8 | 10,5 | 13,5 |
| 11-5322 Bundle height approx. (cm) | | 9,5 | 11,5 | 13,5 | 17,5 |

Fabrics: See MHZ Collection.

Operation: The magnetic frame can be removed and reattached at any time using magnetic tapes. The blind is opened and closed using operating rails. The rails can be locked in any desired position.
From a system width of 140.1 cm, the blinds are supplied with 4 or 6 handles.
Other versions are available on request.

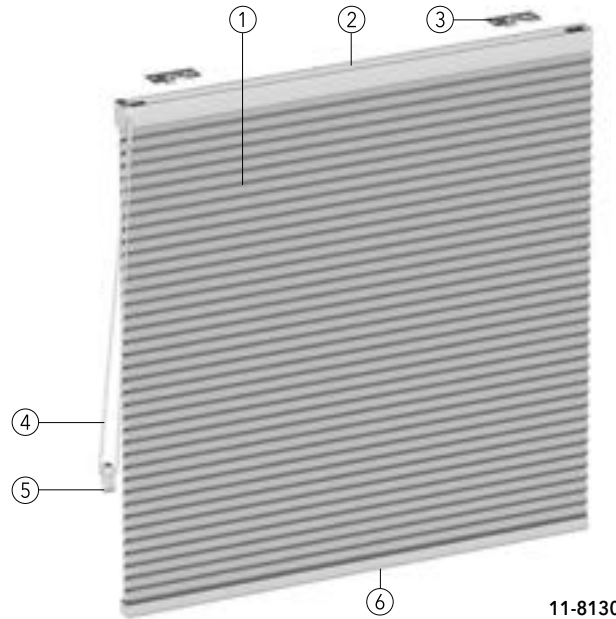
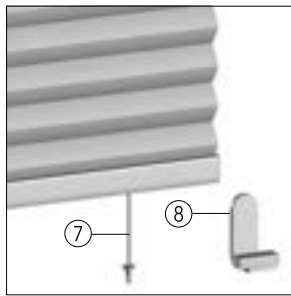
Installation: Window frame (front) using magnetic tapes. Blind pre-assembled in magnetic frame. Accessories see page 43.



Technical data

Model 11-8130

Vertical windows and doors: Chain operation



- ① Blind
- ② Head rail
- ③ Tension lever bracket
- ④ Operating chain
- ⑤ Safety tensioner
- ⑥ Bottom rail
- ⑦ Side guide with pin
- ⑧ Angle brackets with footplate

11-8130

Technical data

| | | | | | |
|--------------|--|--|--|--|--|
| Model: | 11-8130 Free-hanging honeycomb blind with chain pull, with optional side guide. Lateral gear with chain operation, chain exit at front. | | | | |
| Description: | Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. | | | | |
| Dimensions: | Min. width 35 cm, max. width 220 cm/400* cm, max. height 260 cm, max. area 8 m ² * Unit width 220.1 cm to 400 cm with the following fabrics only: W2-6080, W3-6346, W3-6001, W3-6007, W3-6130, W3-6137. | | | | |

| | | |
|-------------------|----------------------------------|--|
| Hardware colours: | 100 silver anodised E6/EV1 | 171 white powder-coated RAL 9016 |
| | 372 bronze anodised E6/3145 | 650 anthracite powder-coated similar to DB 703 |
| | 670 black powder-coated RAL 9005 | |
| | | |

| | | | | | | |
|-----------------|----------------------------|----|-----|-----|-----|-----|
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
| | Bundle height approx. (cm) | 7 | 9 | 11 | 13 | 14 |

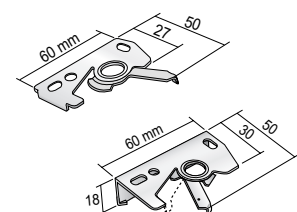
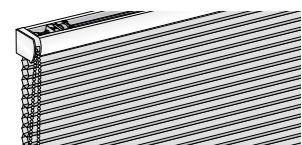
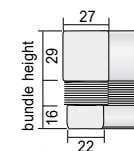
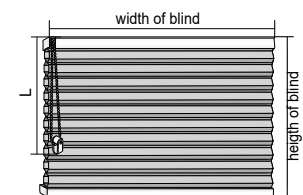
| | |
|----------|---|
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. |
|----------|---|

| | |
|------------|---|
| Operation: | Lift and lower via operating chain. Blind secured automatically in position. Operating side left or right. Operation length (L) from 50 cm to 150 cm in 10 cm increments (standard 100 cm), operation length from 150.1 cm to 300 cm in 25 cm increments. Other operation lengths available on request (surcharge applies). Please also note information on page 216. |
|------------|---|

| | |
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| Child safety: | The safety tensioner is supplied pre-fitted on the operating chain, also see page 216. Caution: Be sure to fit in correct direction and to keep chain taut. Correct positioning of the safety tensioner must be checked regularly and, in the case of doubt, re-adjusted. |
|---------------|--|

| | |
|--------------------|---|
| Special equipment: | ELLIPSIS |
| | For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge. |
| | For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge. |
| | Metal chain Side guide runs 2 cm from the outside |

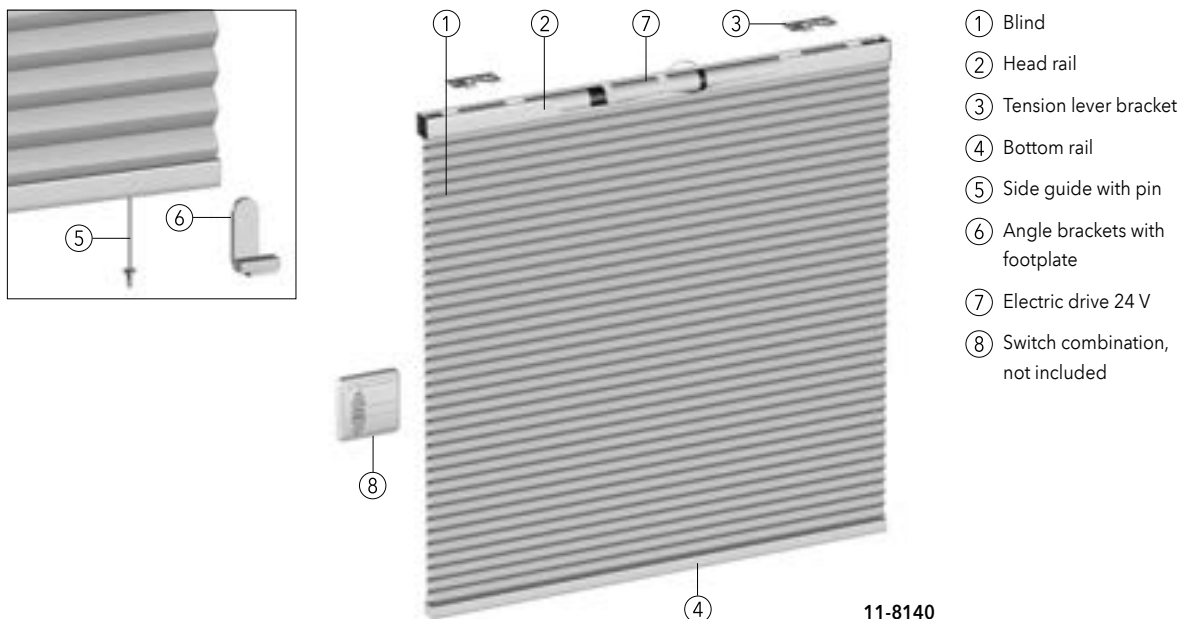
| | |
|---------------|---|
| Installation: | Wall and ceiling installation with tension lever brackets. Clamp bracket (surcharge applies). Up to widths of 149.9 cm, 2 brackets, for widths of over 150 cm, 3 brackets, for widths of over 230 cm, 5 brackets. See pages 58 - 59 for brackets and accessories. |
|---------------|---|



Technical data

Model 11-8140

Vertical windows and doors: Electric drive 24 V



Technical data

Model:

11-8140

Free-hanging honeycomb blind with electric drive 24 V, with optional side guide. Electric drive 24 V, mounted centrally in the head rail, with automatic end position switch-off.

Description:

Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Model is suitable for damp locations (DIN EN 13120, L1 and max. L2, i.e. well-heated and ventilated living spaces that are not overcrowded, including kitchens and bathrooms).

Dimensions:

Min. width 75 - 95 cm, max. height 170 cm,

width 95.1 cm - max. 220 cm/400 cm*, max. height 260 cm, area 8 m²

* Unit width 220.1 cm to 400 cm with the following fabrics only:

W2-6080, W3-6346, W3-6001, W3-6007, W3-6130, W3-6137.

Hardware colours:

100 silver anodised E6/EV1

171 white powder-coated RAL 9016

372 bronze anodised E6/3145

650 anthracite powder-coated similar to DB 703

670 black powder-coated RAL 9005

Bundle heights:

| Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
|----------------------------|----|-----|-----|-----|-----|
| Bundle height approx. (cm) | - | 9 | 11 | 13 | 16 |

Fabrics:

See MHZ DUETTE® honeycomb blind collection.
BAMBOO fabric is not possible.

Operation:

Lifting and lowering by electric drive 24 V. Various control options by lock switch, radio remote control, timer and light sensor. For electrical accessories, see the Electrical Accessories Price List.

For control options, see the Electrical Accessories Price List.

Special equipment:

ELLIPSIS

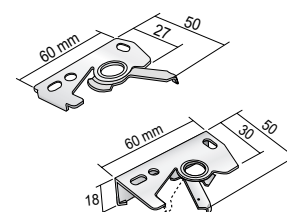
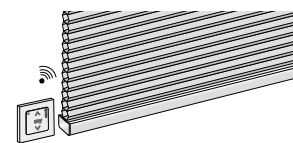
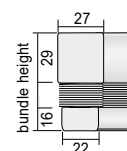
For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge.

For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge.

Side guide runs 2 cm from the outside

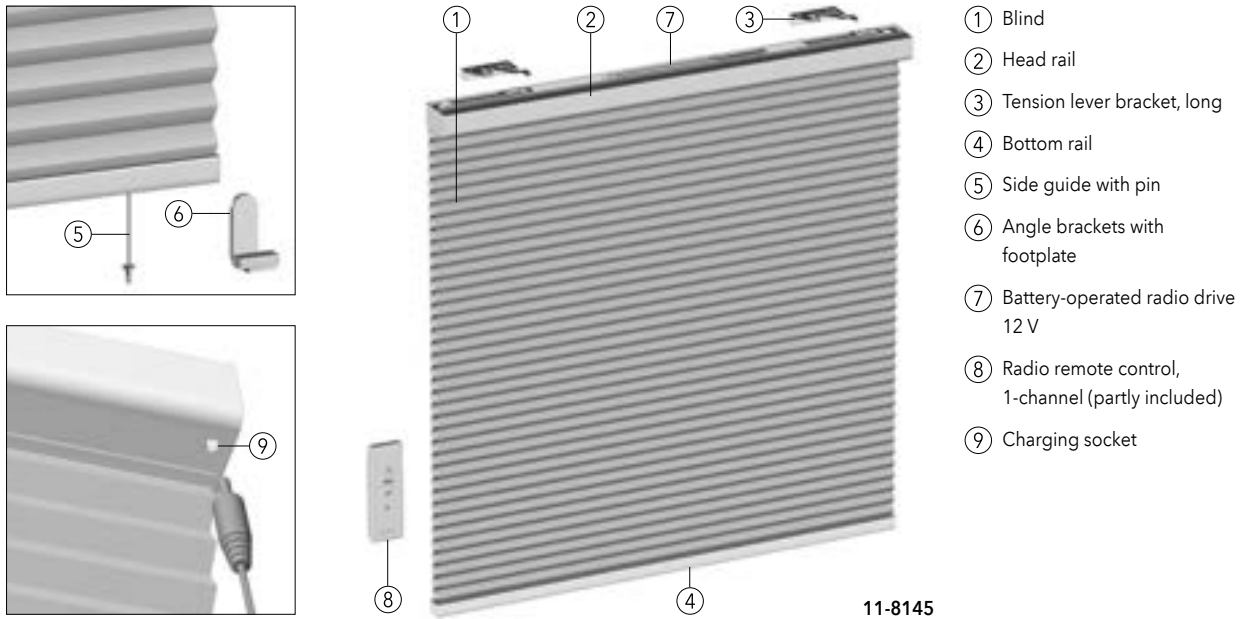
Installation:

Wall and ceiling installation with tension lever brackets. Clamp bracket (surcharge applies). Up to widths of 149.9 cm, 2 brackets, for widths of over 150 cm, 3 brackets, for widths of over 230 cm, 5 brackets. See pages 58 - 59 for brackets and accessories.



Model 11-8145

Vertical windows and doors: Battery-operated radio drive 12 V



Technical data

Model: **11-8145** Free-hanging honeycomb blind with battery-operated radio drive 12 V, with optional side guide. Radio drive 12 V at centre of head rail, with integrated radio receiver and automatic end position switch-off, battery mounted at front. Charging socket on right as standard, or on left if requested.

Description: Single or group operation. Model is suitable for damp locations (DIN EN 13120, L1 and max. L2, i.e. well-heated and ventilated living spaces that are not overcrowded, including kitchens and bathrooms). Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection.

Dimensions: Min. width 75 - 95 cm, max. height 170 cm, width 95.1 cm - max. 220 cm/400 cm*, max. height 260 cm
* Unit width 220.1 cm to 400 cm with the following fabrics only: W2-6080, W3-6346, W3-6001, W3-6007, W3-6130, W3-6137

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
670 black powder-coated RAL 9005

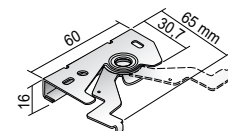
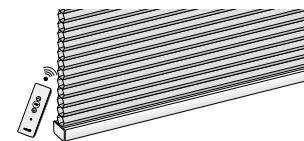
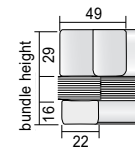
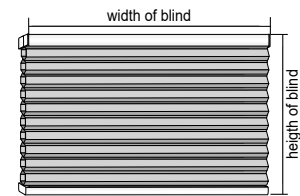
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
|-----------------|----------------------------|----|-----|-----|-----|-----|
| | Bundle height approx. (cm) | 7 | 9 | 11 | 13 | 16 |

Fabrics: See MHZ DUETTE® honeycomb blind collection.
BAMBOO fabric is not possible.

Operation: Lift and lower via radio drive 12 V, incl. rechargeable battery and radio remote control Situo 1 RTS / Situo 5 RTS II and charger (depending on the set included). Radio remote control provides additional range of control options.
For electrical accessories, see the Electrical Accessories Price List. Delivery condition: battery is partially charged. Fully charge battery for max. operating period.

Special equipment: **ELLIPSIS**
For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge.
For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge.
Side guide runs 2 cm from the outside

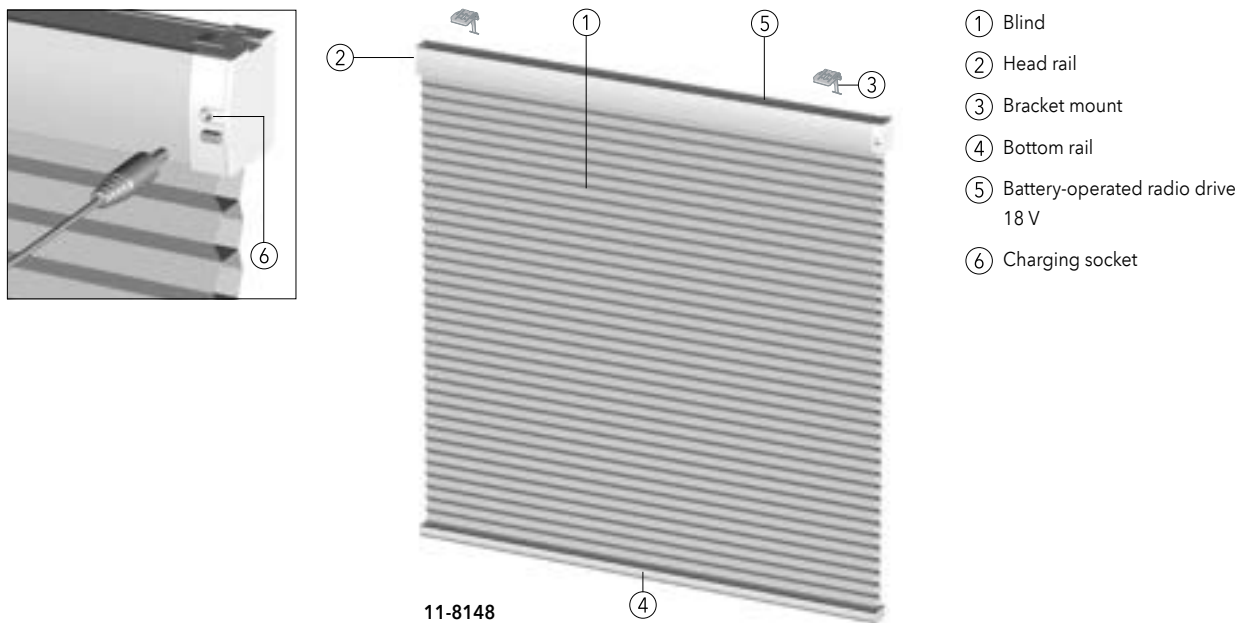
Installation: Wall and ceiling installation with long tension lever brackets. 2 brackets up to a width of 149.9 cm, 3 brackets above a width of 150 cm. See page 65 for brackets and accessories.



Technical data

Model 11-8148

Vertical windows and doors: Battery-operated radio drive 18 V



Technical data

Model:

11-8148

Free-hanging honeycomb blind with battery-operated radio drive 18 V at the side, always the right, in the head rail, charging socket as standard on the right.

Description:

Various control options, smart home compatible. Model is suitable for damp locations (DIN EN 13120, L1 and max. L2, i.e. well-heated and ventilated living spaces that are not overcrowded, including kitchens and bathrooms). Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection.

Dimensions:

Min. width 83 cm - max. 220 cm/400 cm*, max. height 260 cm

* Unit width 220.1 cm to 400 cm with the following fabrics only:
W2-6080, W3-6346, W3-6001, W3-6007, W3-6130, W3-6137.

Hardware colours:

100 silver anodised E6/EV1

174 white matt similar to RAL 9016

372 bronze anodised E6/3145

650 anthracite powder-coated similar to DB 703

670 black powder-coated RAL 9005

Bundle heights:

| Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
|----------------------------|----|-----|-----|-----|-----|
| Bundle height approx. (cm) | 7 | 9 | 11 | 13 | 16 |

Fabrics:

See MHZ DUETTE® honeycomb blind collection.

BAMBOO fabric is not possible.

Operation:

Raised and lowered using battery-operated radio drive 18 V.

Charger partly included. Various control options, smart home compatible. For electrical accessories, see the Electrical Accessories Price List.

For control options, see the Electrical Accessories Price List.

Special equipment:

ELLIPSIS

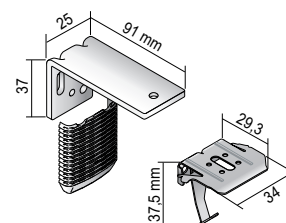
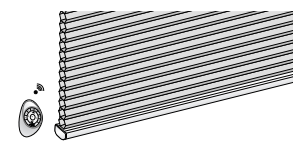
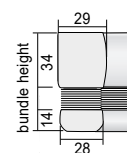
For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge.

For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge.

Installation:

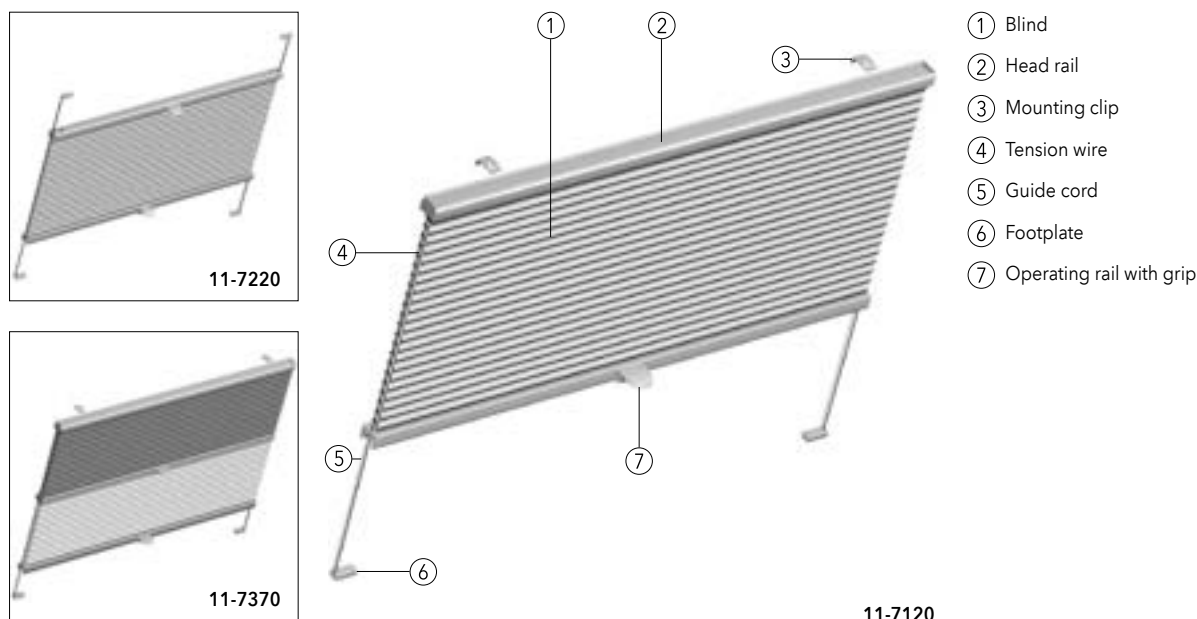
Wall and ceiling installation using bracket mount.

See page 72 for brackets and accessories.



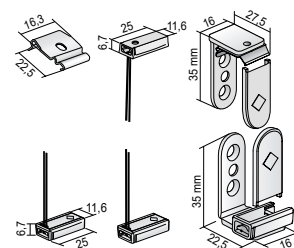
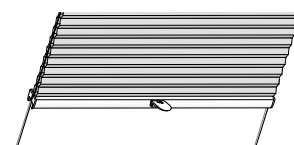
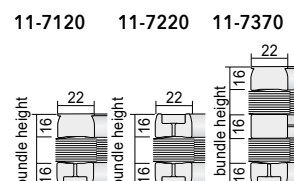
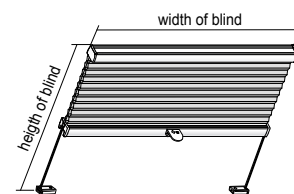
Model 11-7120, 11-7220, 11-7370

For skylights: Blind fixed at the top · Blind, freely movable · 2 blinds



Technical data

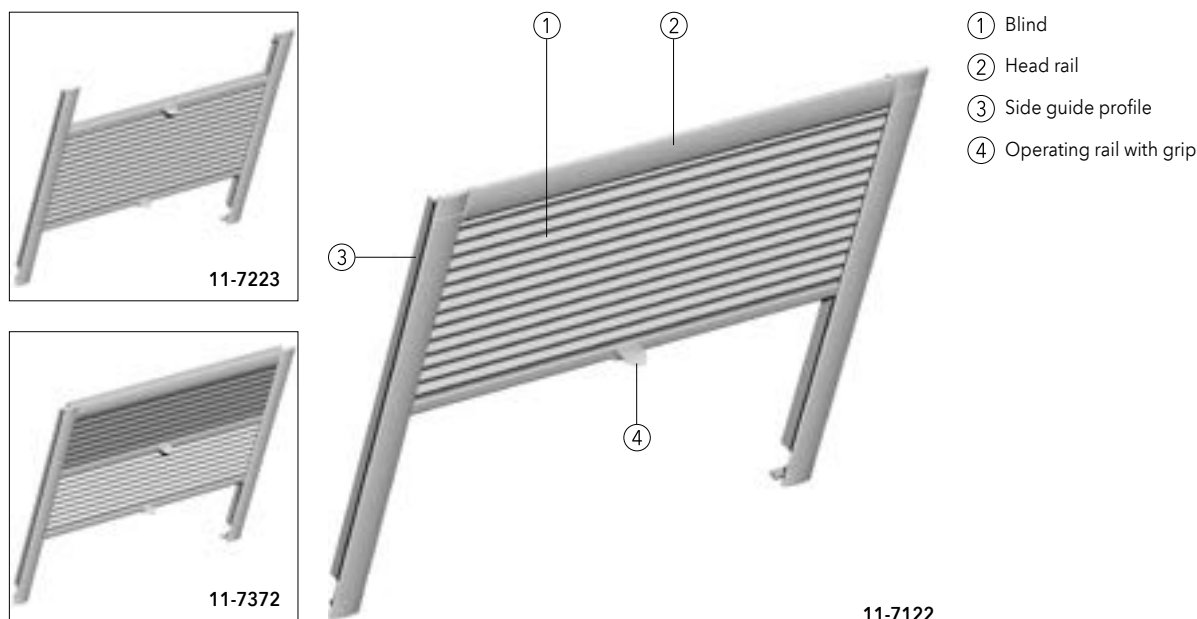
| | | | | |
|---------------------------|--|-----|------|------|
| Model: | 11-7120 Taut honeycomb blind for skylights with blind fixed at the top 11-7220 Taut honeycomb blind for skylights with freely movable blind 11-7370 Taut honeycomb blind for skylights with two blinds, fixed at the top | | | |
| Description: | Blind individually adjustable by moving the operating rails. Head, central and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Black-coated tension wires at the sides guide the honeycomb blind parallel to the skylight. | | | |
| Dimensions: | Min. width 20 cm, max. width 150 cm, max. height 150 cm Units with a width of 120.1 cm to 150 cm only in combination with the Maxi profile and compensating device. | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 |
| | 11-7120 Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 |
| | 11-7220 Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 |
| | 11-7370 Bundle height approx. (cm) | 8.5 | 10.5 | 12.5 |
| Note: | Thanks to the VELUX system brackets, the light gap is approx. 8 mm on each side with VELUX windows. Note position of window grip. If required, the grip of the honeycomb blind can be off-centre (specify when ordering). | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. | | | |
| Operation: | Open and close using operating rails. Rails secured at any desired position. An operating rod is optionally available for units difficult to reach. Units with widths of 140.1 cm or more are supplied with 2 or 4 grips, depending on the model. Other versions are available on request. | | | |
| Special equipment: | ELLIPSIS For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge. For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge. Aluminium grip Compensating device | | | |
| Installation: | 11-7120, 11-7370 Ceiling installation (standard) with clips. Wall installation with angle brackets (surcharge applies). 11-7220 Ceiling installation (standard) with footplates. Wall installation with angle brackets (surcharge applies). See pages 99 - 101 for brackets and accessories. | | | |



Technical data

Model 11-7122, 11-7223, 11-7372

For skylights: Blind fixed at the top · Blind, freely movable · 2 blinds



Technical data

| | |
|---------------|--|
| Model: | 11-7122 Taut honeycomb blind for skylights with blind fixed at the top and side guide profiles |
| | 11-7223 Taut honeycomb blind for skylights with freely movable blind and side guide profiles |
| | 11-7372 Taut honeycomb blind for skylights with two blinds, fixed at the top and with side guide profiles |

| | |
|---------------------|--|
| Description: | Blind individually adjustable by moving the operating rails. Head and bottom rails and side guide rails made from extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Side guide rails to cover the light gap at the side. |
|---------------------|--|

| | |
|--------------------|--|
| Dimensions: | Min. width 20 cm, max. width 150 cm, max. height 150 cm Units with a width of 120.1 cm to 150 cm only in combination with the Maxi profile and compensating device. |
|--------------------|--|

| | |
|--------------------------|--|
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 |
|--------------------------|--|

| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 |
|------------------------|---|-----------|------------|------------|
| | 11-7122 Bundle height approx. (cm) | 8.5 | 10.5 | 12.5 |
| | 11-7223 Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 |
| | 11-7372 Bundle height approx. (cm) | 9.5 | 11.5 | 13.5 |

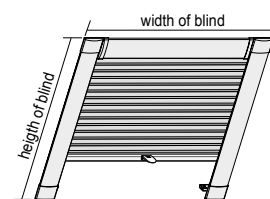
| | |
|--------------|---|
| Note: | Note position of window grip. If required, the grip of the honeycomb blind can be off-centre (specify when ordering). Not possible for HEIM & HAUS skylights. |
|--------------|---|

| | |
|-----------------|---|
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. |
|-----------------|---|

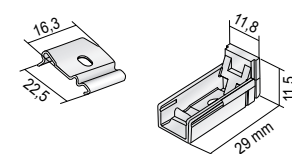
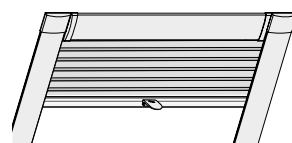
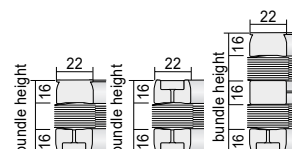
| | |
|-------------------|--|
| Operation: | Open and close using operating rails. Rails secured at any desired position. An operating rod is optionally available for units difficult to reach. Units with widths of 140.1 cm or more are supplied with 2 or 4 grips, depending on the model. Other versions are available on request. |
|-------------------|--|

| | |
|---------------------------|--|
| Special equipment: | ELLIPSIS For blind unit widths of up to 100 cm, ELLIPSIS is 15 cm from the outer edge. For blind unit widths of 100.1 cm and above, ELLIPSIS is 30 cm from the outer edge. Aluminium grip Compensating device |
|---------------------------|--|

| | |
|----------------------|--|
| Installation: | Installation via skylight brackets. Screw the side guiding profiles to the side of the frame. See pages 104 - 105 for further accessories. |
|----------------------|--|

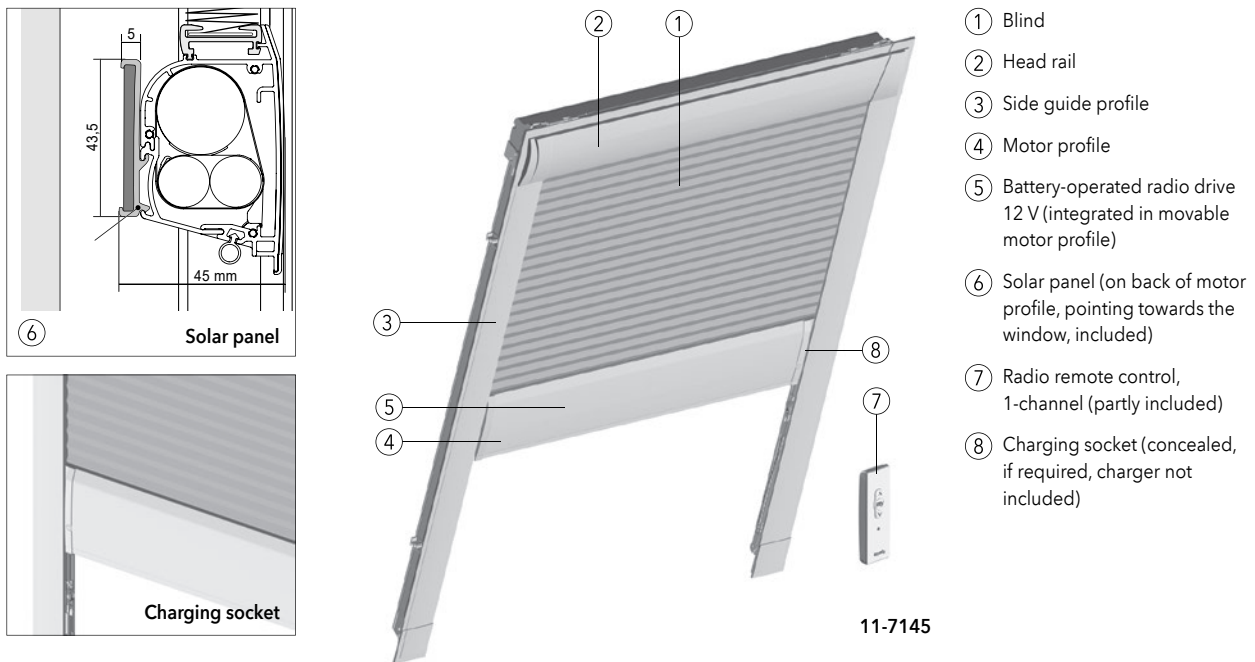


11-7122 11-7223 11-7372



Model 11-7145

For skylights: Blind fixed at the top with battery-operated radio drive 12 V, incl. solar panel



Technical data

Model: **11-7145** Taut honeycomb blind for skylights, with blind fixed at the top and side guide profiles, battery-operated radio drive 12 V, incl. solar panel for an independent power supply. Can only be ordered with skylight type.

Description: Battery-operated radio drive 12 V integrated in movable motor profile, with integrated radio receiver and automatic end position switch-off. Single or group operation. Model is suitable for damp locations (DIN EN 13120, L1 and max. L2, i.e. well-heated and ventilated living spaces that are not overcrowded, including kitchens and bathrooms) Solar panel on back of movable motor profile, pointing towards the window. Charging socket concealed and integrated in motor profile (if required). Motor profile runs in side guide profiles. Rails made of extruded aluminium. Pleated blind in various qualities, see MHZ collection.

Dimensions: Min. width 50 cm, max. width 150 cm, min. height 75 cm, max. height 150 cm.

Hardware colours: 100 silver anodised E6/EV1
171 white powder-coated RAL 9016

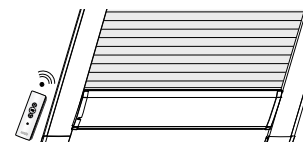
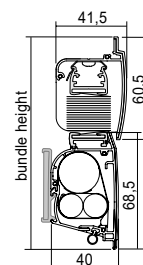
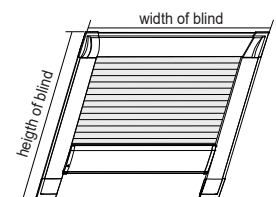
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 |
|-----------------|----------------------------|------|------|------|
| 11-7145 | Bundle height approx. (cm) | 12.5 | 14.5 | 16.5 |

Note: Not possible for HEIM & HAUS skylights.

Fabrics: See MHZ Collection.
BAMBOO fabric is not possible.

Operation: Lower and lift via radio drive 12 V, incl. rechargeable battery, solar panel and radio remote control Situo 1 RTS/Situo 5 RTS II and charger (depending on the set included). Charger not included. Radio remote control provides additional range of control options. For electrical accessories, see the Electrical Accessories Price List.

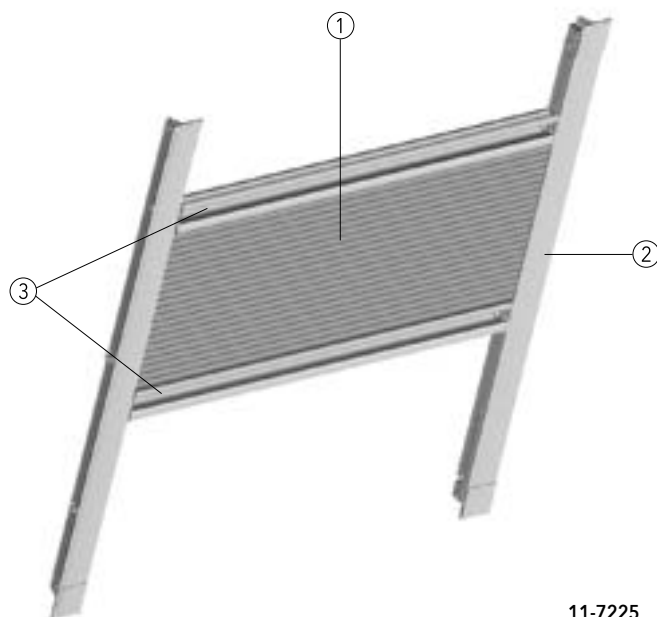
Installation: Installation via skylight brackets. Screw the side guiding profiles to the side of the frame. See pages 94 - 95 for further accessories.



Technical
data

Model 11-7225

For skylights: Blind freely movable, operating rail with grip recess



- ① Blind
- ② Side guide profile
- ③ Operating rail with continuous grip recess

11-7225

Technical data

Model: 11-7225 Taut honeycomb blind for skylights with freely movable blind and side guide profiles. Can only be ordered with skylight type.

Description: Blind individually adjustable by moving the operating rails. Operating rail with continuous grip recess along entire unit width. Operating rails run in side guide profiles. Side guide profiles made of extruded aluminium. Pleated blind in various qualities, see MHZ collection. Colour of tension cords matches the blind. Side guide rails to cover the light gap at the side.

Dimensions: Min. width 20 cm, max. width 150 cm, max. height 150 cm.

Hardware colours: 100 silver anodised E6/EV1
171 white powder-coated RAL 9016

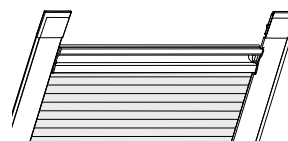
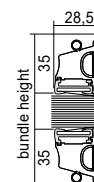
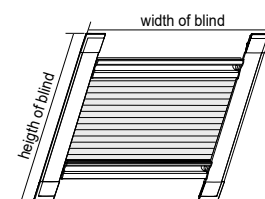
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 |
|-----------------|----------------------------|-----|------|------|
| 11-7225 | Bundle height approx. (cm) | 8.5 | 10.5 | 12.5 |

Note: Not possible for HEIM & HAUS skylights.

Fabrics: See MHZ Collection.
BAMBOO fabric is not possible.

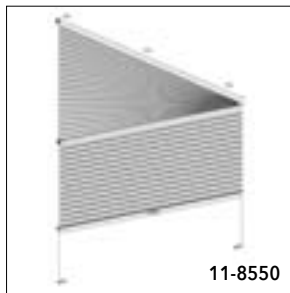
Operation: Open and close using operating rails. Rails secured at any desired position.
An operating rod is optionally available for units difficult to reach.

Installation: Installation via skylight brackets. Screw the side guiding profiles to the side of the frame. See pages 94 - 95 for further accessories.



Model 11-8550, 11-8551

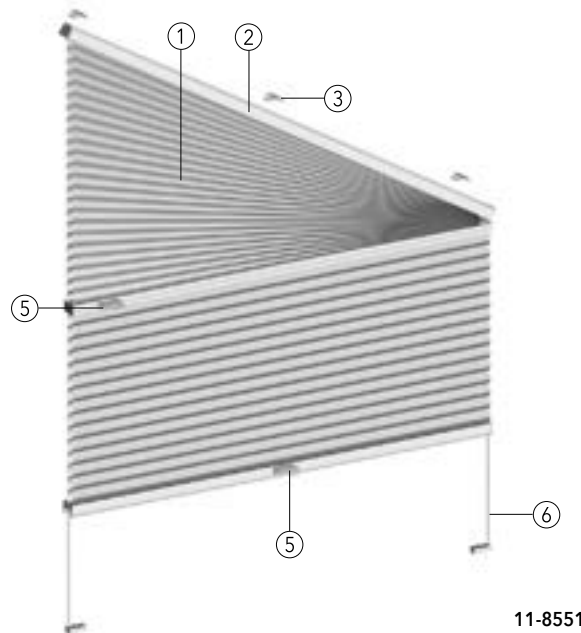
Vertical special shapes, taut: Sloping windows



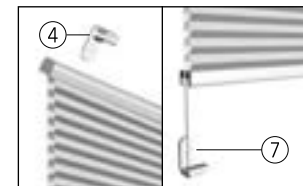
11-8550



11-8551
closed



- ① Blind
- ② Head rail
- ③ Mounting clip
- ④ Angle bracket with clip
- ⑤ Operating rail with grip
- ⑥ Guide cord with footplate
- ⑦ Angle bracket with footplate



11-8551

Technical data

Model: **11-8550** Taut honeycomb blind for sloping windows, aperture angle 5° to 60°, rectangular section of blind is movable, triangular section is fixed
11-8551 Taut honeycomb blind for sloping windows, aperture angle 5° to 45°, can be opened completely into the incline

Description: Height of blind can be adjusted by moving the operating rail. Head, central and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Particularly suitable for glazing bead installation for tilt & turn windows. Parallel blind guidance by means of laterally taut guide cord.

Dimensions: **11-8550** min. width 30 cm, max. width 120 cm, max. height 220 cm
11-8551 min. width 30 cm, max. width 120 cm, max. height 220 cm

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
 670 black powder-coated RAL 9005

| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 | 220 |
|-----------------|----------------------------|-----|-----|------|------|------|
| | Bundle height approx. (cm) | 7.5 | 9.5 | 11.5 | 12.5 | 13.5 |

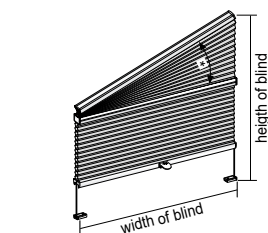
Fabrics: See MHZ DUETTE® honeycomb blind collection.

Operation: Open and close by operating rail. Rail secured in any desired position. Model **11-8551** can be opened into the incline. Additional grip at the side on the centre profile. On model **11-8550** only the rectangular part of the blind can be opened and the triangular section is fixed. An operating rod is optionally available for units difficult to reach.

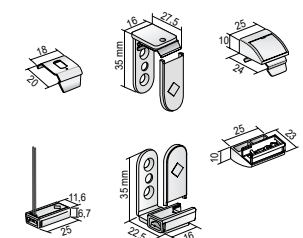
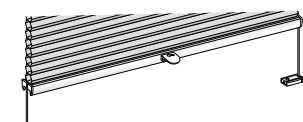
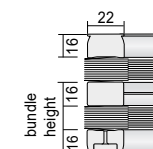
Special equipment: Aluminium grip

Installation: Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation and clamp brackets (surcharge applies). 2 brackets up to a width of 64.9 cm, 3 brackets above a width of 65 cm. See pages 111 - 113 for brackets and accessories.

Note: Due to its own weight, model **11-8551** cannot be fitted with the angled surface facing down.



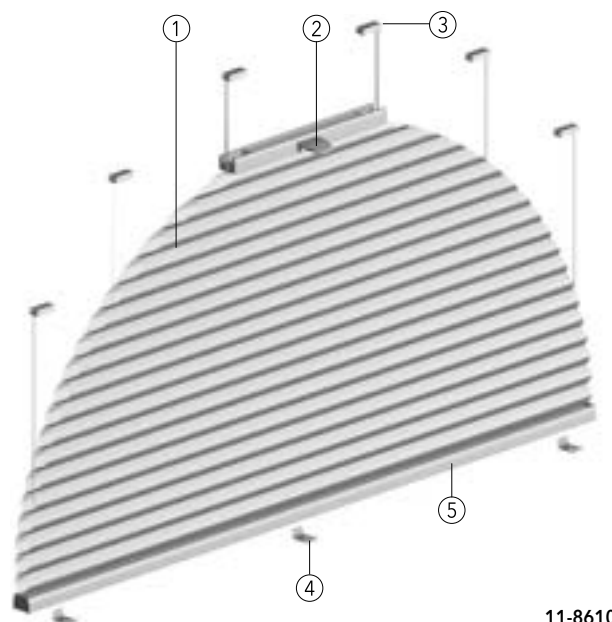
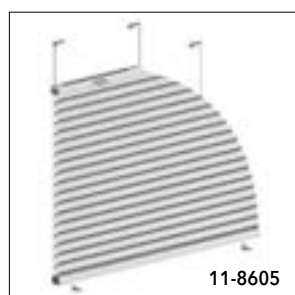
* Aperture angle
11-8550 max. 60°
11-8551 max. 45°



Technical
data

Model 11-8605, 11-8610

Vertical special shapes, taut: Round windows

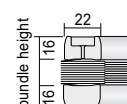
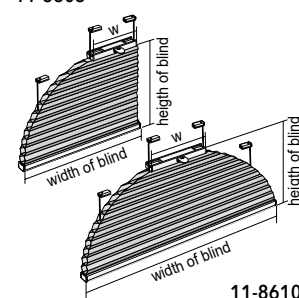


- ① Blind
- ② Operating rail with grip
- ③ Footplate
- ④ Mounting clip
- ⑤ Bottom rail

Technical data

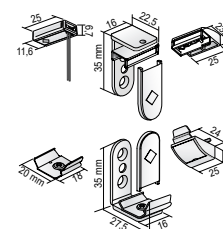
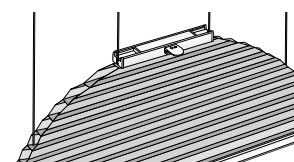
| | | | | |
|--------------------|---|-----|-----|-----|
| Model: | 11-8605 Taut honeycomb blind, quadrant operable for round windows 11-8610 Taut honeycomb blind, semicircle operable for round windows | | | |
| Description: | Height of blind can be adjusted by moving the operating rail. Operating rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Min. width w equivalent to 1/3 of unit width. | | | |
| Dimensions: | 11-8605 Min. width 30 cm, max. width 120 cm, max. height 150 cm 11-8610 Min. width 30 cm, max. width 150 cm, max. height 150 cm | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 |
| | Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 |
| Note: | Order only with template. (Specify finished size) Expansion of the fabric is possible. | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. | | | |
| Operation: | Open and close by operating rail. Rail secured in any desired position. An operating rod is optionally available for units difficult to reach. | | | |
| Special equipment: | Aluminium grip Swivel-mounted grip | | | |
| Installation: | Ceiling installation (standard) with clip and footplates. Wall installation with angle or glazing bead brackets (surcharge applies). See pages 116 – 118 for brackets and accessories. | | | |

11-8605



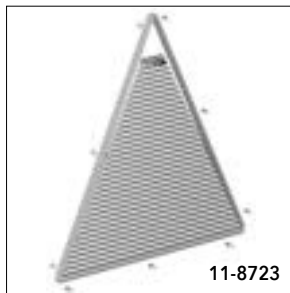
11-8605

11-8610

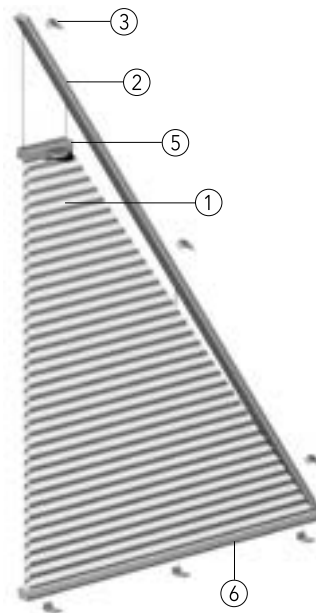
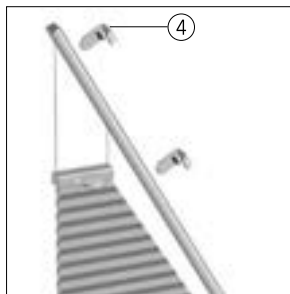


Model 11-8722, 11-8723

Vertical special shapes, taut: triangular windows



11-8723

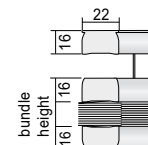
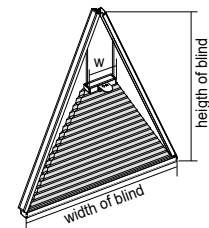


11-8722

- ① Blind
- ② Side rail
- ③ Mounting clip
- ④ Angle bracket with clip
- ⑤ Operating rail with grip
- ⑥ Bottom rail

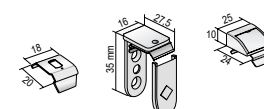
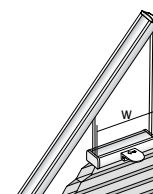
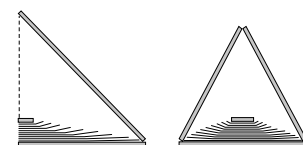
Technical data

| | | | | | |
|--------------------|--|-----|-----|-----|------|
| Model: | 11-8722 Taut honeycomb blind for right-angled triangular windows 11-8723 Taut honeycomb blind for triangular windows | | | | |
| Description: | Height of blind can be adjusted by moving the operating rail. Side, operating and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. For technical reasons the peak remains uncovered on these models (min. width $w = 7$ cm). | | | | |
| Dimensions: | Min. width 30 cm, max. width 120 cm, max. height 200 cm | | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
| | Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 | 11.5 |
| Note: | Expansion of the fabric is possible. | | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. | | | | |
| Operation: | Open and close by operating rail. Rail secured in any desired position. An operating rod is optionally available for units difficult to reach. | | | | |
| Special equipment: | Aluminium grip | | | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation (surcharge applies). 11 brackets per unit. See pages 123 - 124 for brackets and accessories. | | | | |



11-8722

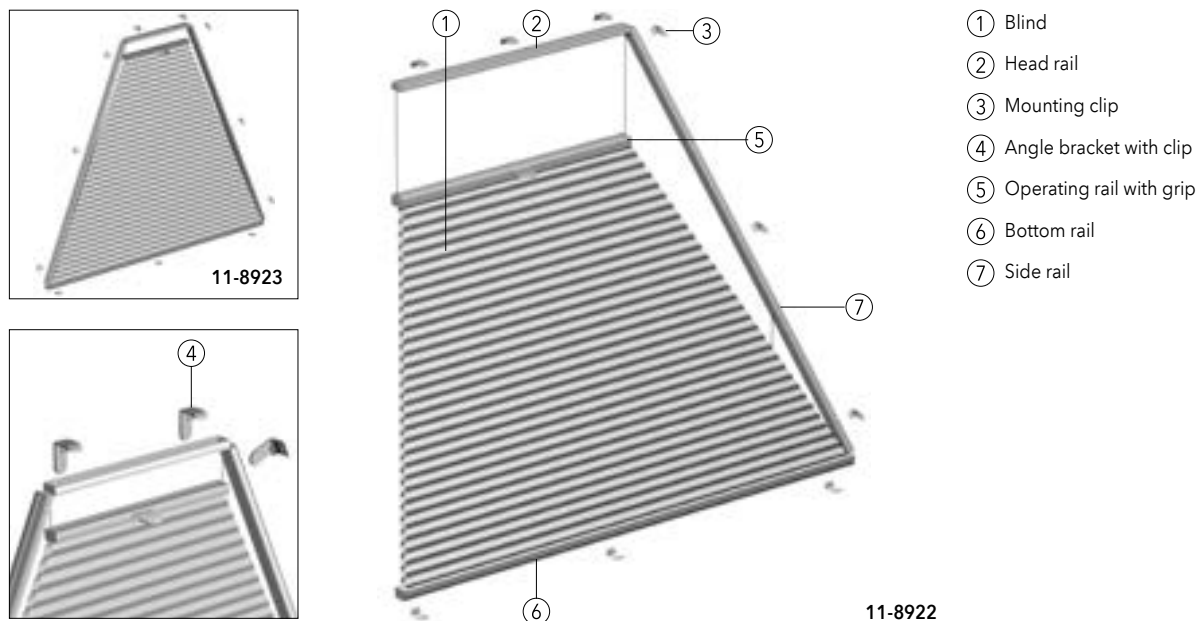
11-8723



Technical data

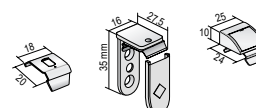
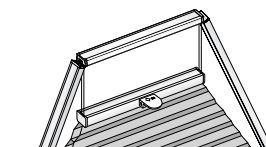
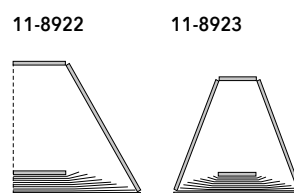
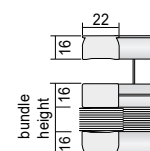
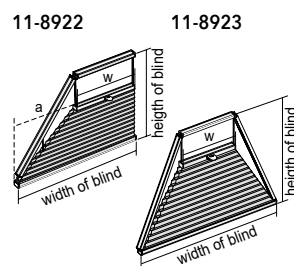
Model 11-8922, 11-8923

Vertical special shapes, taut: trapezoid windows



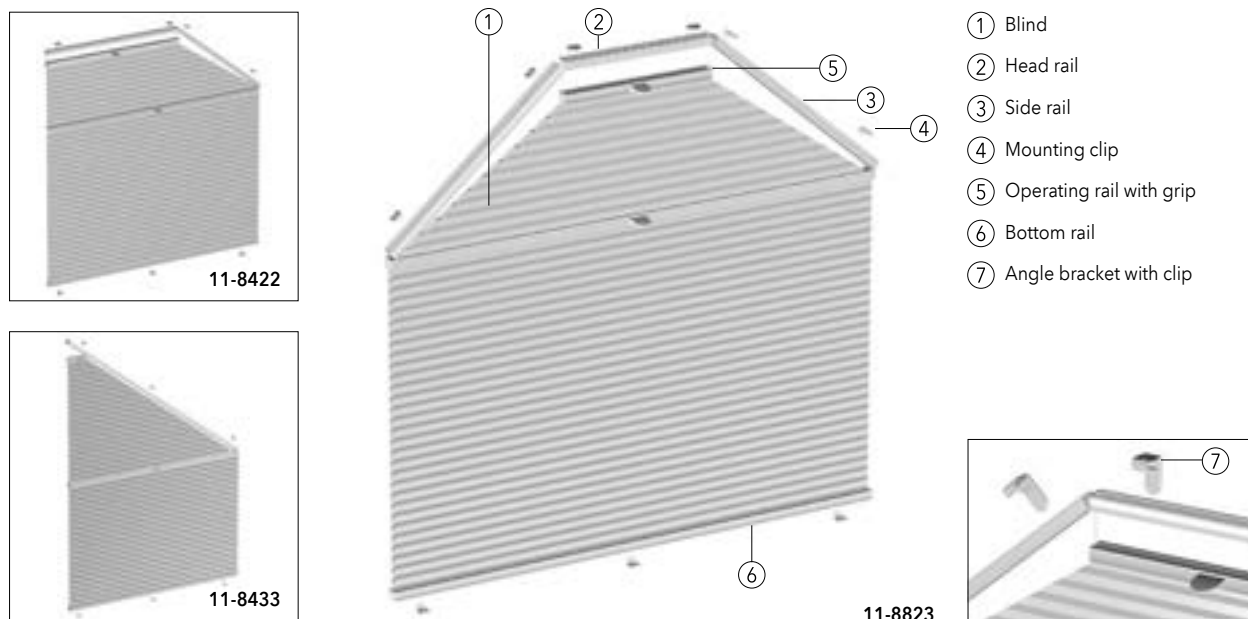
Technical data

| | | | | | |
|--------------------|--|-----|-----|-----|------|
| Model: | 11-8922 Taut honeycomb blind for trapezoid windows with a right angle 11-8923 Taut honeycomb blind for trapezoid windows | | | | |
| Description: | Height of blind can be adjusted by moving the operating rail. Upper, side, operation and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Min. width $w = 7$ cm. | | | | |
| Dimensions: | 11-8922 min. width 30 cm, max. width 150 cm, max. height 200 cm max. distance (a) 120 cm 11-8923 min. width 30 cm, max. width 150 cm, max. height 200 cm | | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
| | Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 | 11.5 |
| Note: | Expansion of the fabric is possible. | | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. | | | | |
| Operation: | Open and close by operating rail. Rail secured in any desired position. An operating rod is optionally available for units difficult to reach. | | | | |
| Special equipment: | Aluminium grip | | | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation (surcharge applies). 11 brackets per unit. See pages 123 - 124 for brackets and accessories. | | | | |



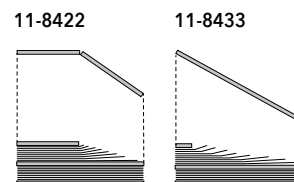
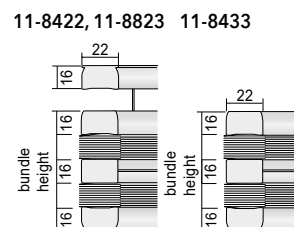
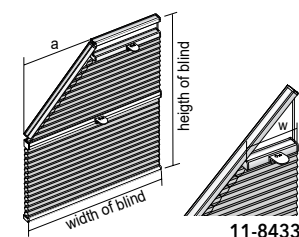
Model 11-8422, 11-8433, 11-8823

Vertical special shapes, taut: pentagonal and hexagonal windows

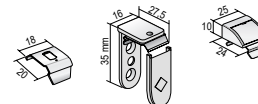
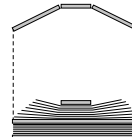


Technical data

| | | | | | |
|--------------------|--|-----|-----|------|------|
| Model: | 11-8422 Taut honeycomb blind for pentagonal windows 11-8433 Taut honeycomb blind for sloping windows 11-8823 Taut honeycomb blind for hexagonal windows | | | | |
| Description: | Height of blind can be adjusted by moving the operating rail. Upper, side, operation and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. For technical reasons the peak on model 11-8433 remains uncovered (min. width $w = 7$ cm). | | | | |
| Dimensions: | 11-8422 min. width 30 cm, max. width 120 cm, max. height 200 cm, from a width of 120.1 cm to 150 cm, max. height 150 cm, max. distance (a) 120 cm 11-8433 min. width 30 cm, max. width 120 cm, max. height 200 cm, max. distance (a) 120 cm 11-8823 min. width 30 cm, max. width 120 cm, max. height 200 cm, from a width of 120.1 cm to 150 cm, max. height 150 cm | | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
| | Bundle height approx. (cm) | 7.5 | 9.5 | 11.5 | 13.5 |
| Note: | Expansion of the fabric is possible. | | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. | | | | |
| Operation: | Open and close by operating rail. Rail secured in any desired position. An operating rod is optionally available for units difficult to reach. | | | | |
| Special equipment: | Aluminium grip | | | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation (surcharge applies). 11 brackets per unit. See pages 129 - 130 for brackets and accessories. | | | | |



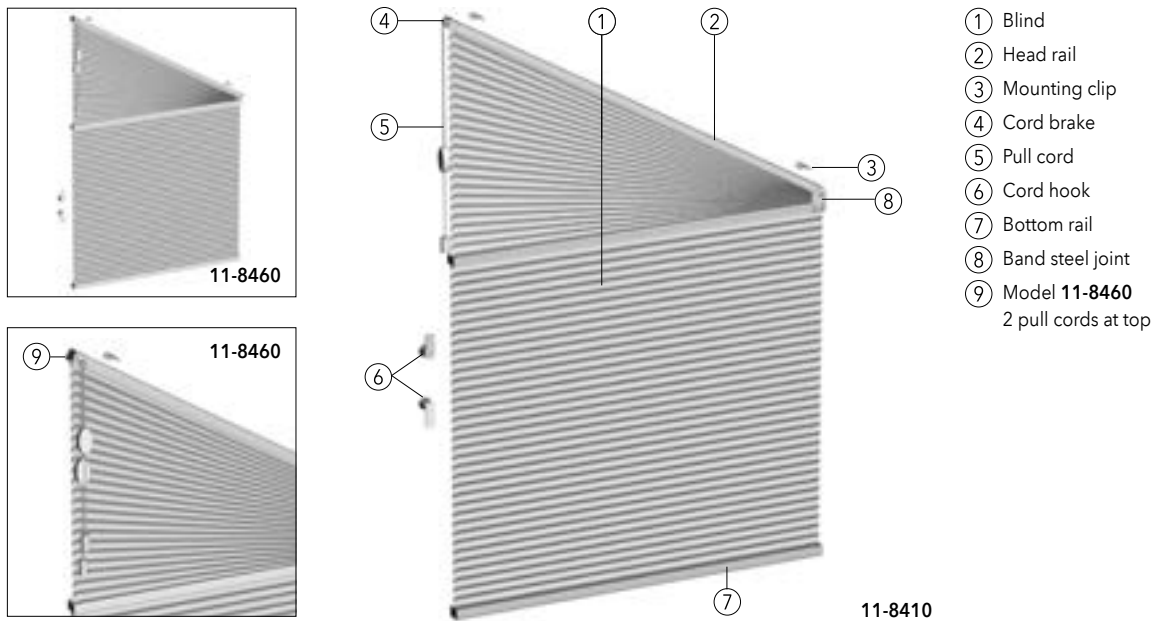
11-8823



Technical data

Model 11-8410, 11-8460

Vertical special shapes, free-hanging: Sloping windows



Technical data

Model: **11-8410** Free-hanging honeycomb blind for sloping windows, aperture angle 5° to 45°, one pull cord, with joint and cord brake
11-8460 Free-hanging honeycomb blind for sloping windows, aperture angle 5° to 60°, two pull cords at the top, without cord brakes, with band steel joint

Description: Pull cord operation. Blind can also be opened when on a slant. Head, central and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Pull cords in white.

Dimensions: **11-8410** min. width 30 cm, max. width 100 cm, max. height 260 cm
11-8460 min. width 30 cm, max. width 150 cm, max. height 260 cm

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
 670 black powder-coated RAL 9005

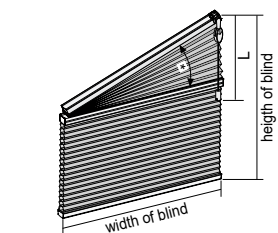
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
|-----------------|----------------------------|-----|-----|------|------|------|
| | Bundle height approx. (cm) | 7.5 | 9.5 | 11.5 | 13.5 | 16.5 |

Fabrics: See MHZ DUETTE® honeycomb blind collection.
 BAMBOO fabric is not possible.

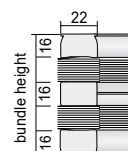
Operation: **11-8410** Raised and lowered using a pull cord, secured in position with cord brake, choice of operating side.
11-8460 Lift and lower with 2 pull cords without cord brakes. The blind is secured in position by wrapping the cord around the cord hooks. Top operating side. Standard operation length (L) 100 cm, other heights available on request. Cord hooks included.

Child safety: The safety tassel for child safety comes pre-installed on the cord. After operation, the pull cord and safety tassel must be wrapped around the cord hook.

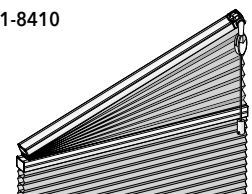
Installation: Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation or clamp brackets (surcharge applies). 2 brackets up to a width of 99.9 cm, 3 brackets above a width of 100 cm. See pages 135 - 136 for brackets and accessories.



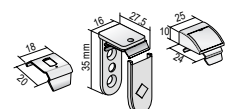
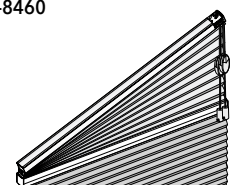
* Aperture angle
11-8410 max. 35°
11-8460 max. 60°



11-8410

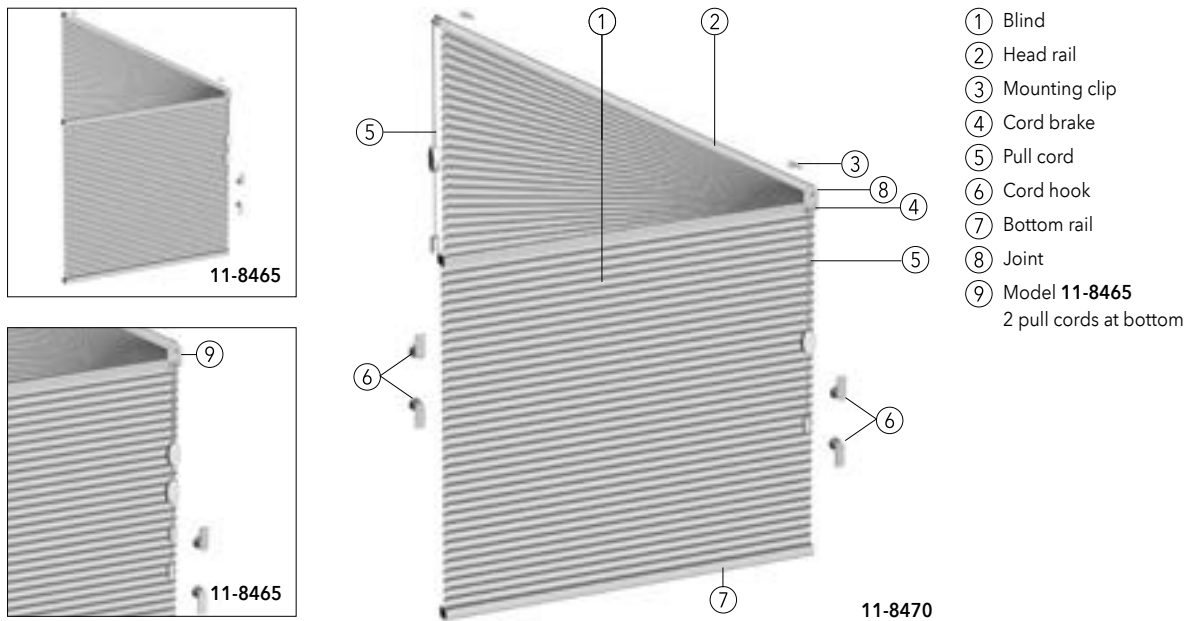


11-8460



Model 11-8465, 11-8470

Vertical special shapes, free-hanging: Sloping windows



Technical data

| | |
|---------------|--|
| Model: | 11-8465 Free-hanging honeycomb blind for sloping windows, aperture angle 5° to 60°, two pull cords at the bottom, with joint, vertical area with cord brake, triangular area without cord brake 11-8470 Free-hanging honeycomb blind for sloping windows, aperture angle 5° to 60°, with two pull cords (one on each side) with joint and cord brakes |
|---------------|--|

| | |
|---------------------|---|
| Description: | Pull cord operation. Blind can also be opened when on a slant. Head, central and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Pull cords in white. |
|---------------------|---|

| | |
|--------------------|---|
| Dimensions: | Min. width 30 cm, max. width 150 cm, max. height 260 cm |
|--------------------|---|

| | |
|--------------------------|---|
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 |
|--------------------------|---|

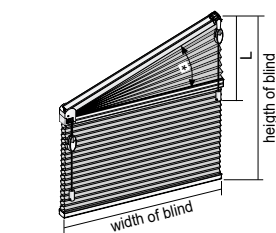
| | | | | | | |
|-----------------|----------------------------|-----|-----|------|------|------|
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 | 260 |
| | Bundle height approx. (cm) | 7.5 | 9.5 | 11.5 | 13.5 | 16.5 |

| | |
|-----------------|---|
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. |
|-----------------|---|

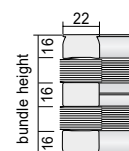
| | |
|-------------------|--|
| Operation: | 11-8465 Lift and lower with 2 pull cords, vertical area secured in position via cord brake, triangular area without cord brake, secured in position by wrapping the cord around the cord hooks, bottom operating side. 11-8470 Lift and lower with a pull cord, secured in position via the cord brake. Top and bottom operating side. Standard operation length (L) 100 cm, other heights available on request. Cord hooks included. |
|-------------------|--|

| | |
|----------------------|--|
| Child safety: | The safety tassel for child safety comes pre-installed on the cord. After operation, the pull cord and safety tassel must be wrapped around the cord hook. |
|----------------------|--|

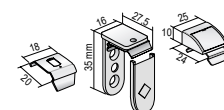
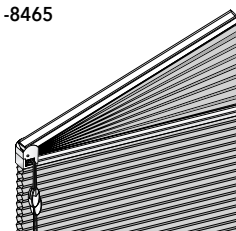
| | |
|----------------------|---|
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation and clamp brackets (surcharge applies). 2 brackets up to a width of 99.9 cm, 3 brackets above a width of 100 cm. See pages 135 - 136 for brackets and accessories. |
|----------------------|---|



* Max. aperture angle 60°



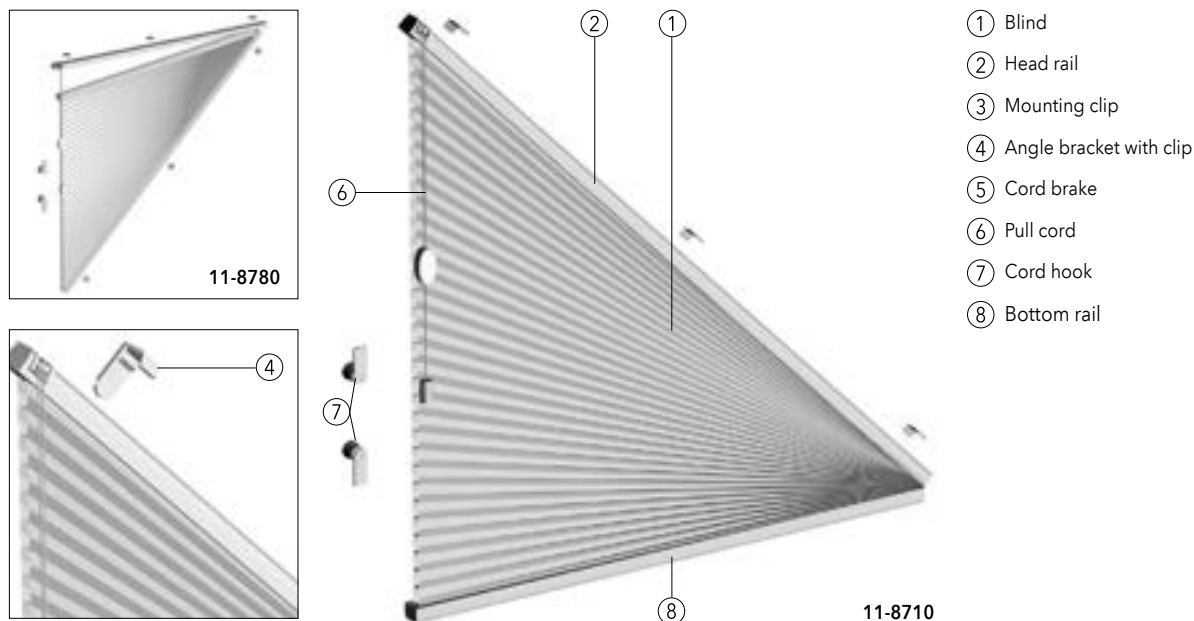
11-8465



Technical data

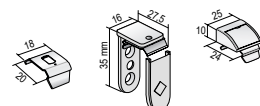
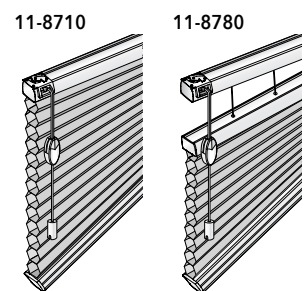
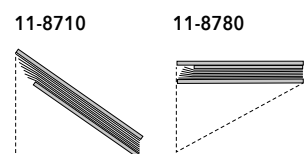
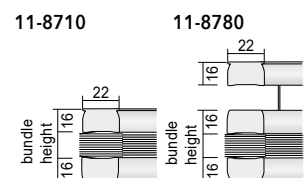
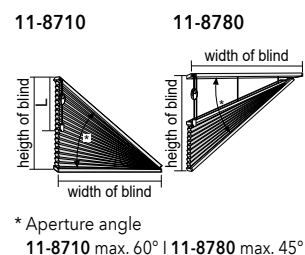
Model 11-8710, 11-8780

Vertical special shapes, free-hanging: triangular windows



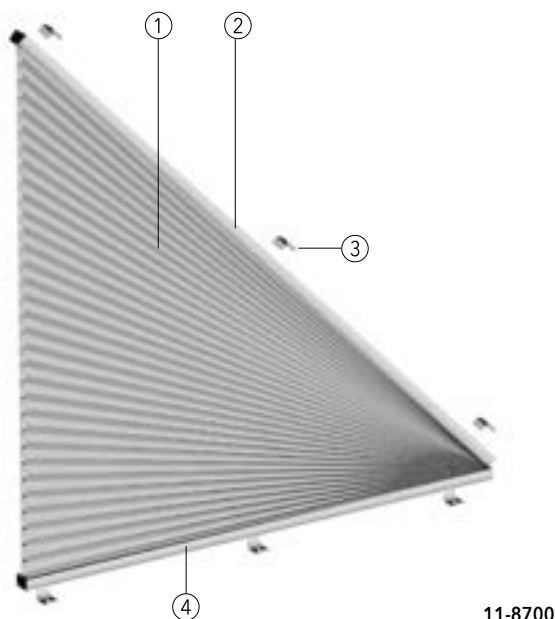
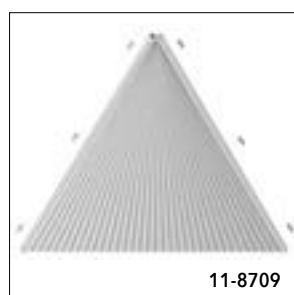
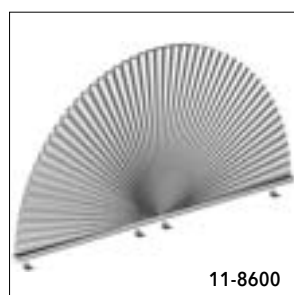
Technical data

| | | | |
|-------------------|--|-----|-----|
| Model: | 11-8710 Free-hanging honeycomb blind with pull cord for triangular windows, aperture angle 5° to 60°, blind opens upwards 11-8780 Free-hanging honeycomb blind with pull cord for triangular windows, aperture angle 5° to 45°, blind opens downwards | | |
| Description: | Pull cord operation with integrated lateral cord brake. Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Pull cords in white. | | |
| Dimensions: | 11-8710 min. width 50 cm, max. width 150 cm, max. height 150 cm 11-8780 min. width 50 cm, max. width 150 cm, max. height 100 cm | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 |
| | 11-8710 Bundle height approx. (cm) | 5.5 | 7.5 |
| | 11-8780 Bundle height approx. (cm) | 7.5 | 9.5 |
| Note: | Expansion of the fabric is possible. | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. | | |
| Operation: | Lift and lower with a pull cord, secured in position via the cord brake. Operating side left or right. With model 11-8710 operation is only possible at the high side. Standard operation length (L) 100 cm, other heights available on request. Cord hooks included. | | |
| Child safety: | The safety tassel for child safety comes pre-installed on the cord. After operation, the pull cord and safety tassel must be wrapped around the cord hook. | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation or clamp brackets (surcharge applies). With 11-8710 3 brackets per unit. With 11-8780 6 brackets per unit. See pages 140 - 140 for brackets and accessories. | | |



Model 11-8700, 11-8709, 11-8600

Fixed vertical special shapes: semicircular arches and triangular windows

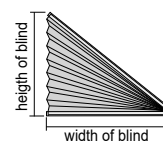


- ① Blind
- ② Head rail
- ③ Mounting clip
- ④ Bottom rail

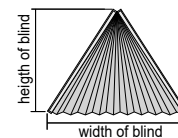
Technical data

| | | |
|-------------------|---|--|
| Model: | 11-8700 Fixed honeycomb blind for right-angled triangular windows 11-8709 Fixed honeycomb blind for triangular windows 11-8600 Fixed honeycomb blind for round windows up to 180° | |
| Description: | Fixed blind. Head rail and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Only for fixed glazing. | |
| Dimensions: | 11-8700 min. width 30 cm, max. width 150 cm, max. height 150 cm 11-8709 min. width 30 cm, max. width 100 cm, max. height 150 cm 11-8600 up to 90°: min. width 30 cm, max. width 100 cm, max. height 100 cm up to 180°: min. width 30 cm, max. width 100 cm, max. height 50 cm | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle or glazing bead brackets for front installation (surcharge applies). With model 11-8700, 11-8709 6 brackets per unit. With 11-8600 3 brackets per unit. See pages 140 – 141 for brackets and accessories. | |

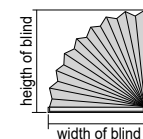
11-8700



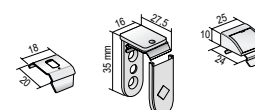
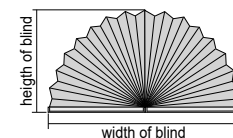
11-8709



11-8600, 90°



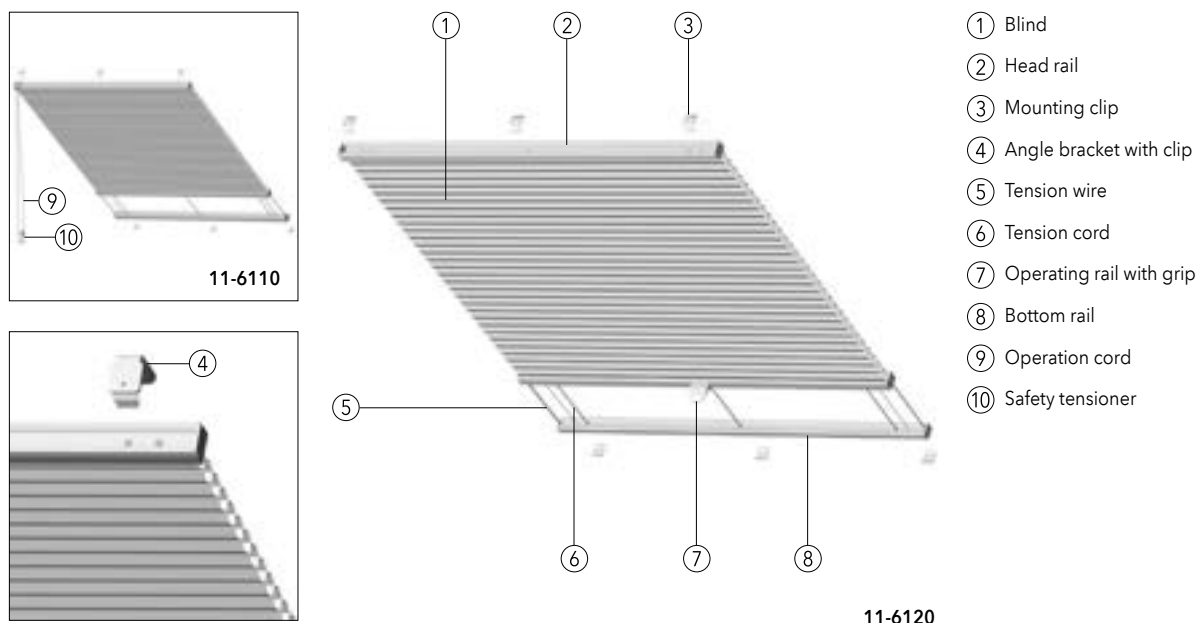
11-8600, 180°



Technical data

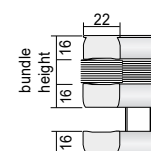
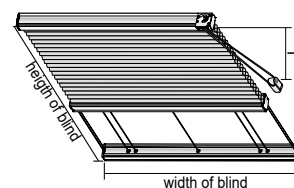
Model 11-6110, 11-6120

Ceiling and conservatory blinds: Operating rail, pull cord

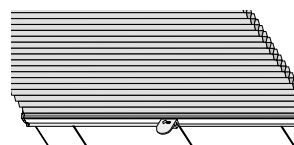


Technical data

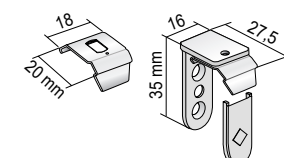
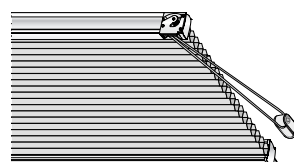
| | | | | | |
|-------------------|--|-----|------|------|------|
| Model: | 11-6120 Taut honeycomb blind for ceilings and conservatories Height of blind can be adjusted by moving the operating rail. 11-6110 Honeycomb blind with pull cord for ceilings and conservatories Endless cord operation. | | | | |
| Description: | Head, operating and bottom rail made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Black-coated tension wires guide the honeycomb blind parallel to the window. Colour of tension cords on 11-6110 grey, on 11-6120 anthracite. | | | | |
| Dimensions: | Min. width 30 cm, max. width 150 cm, max. height 400 cm | | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | | |
| Bundle heights: | Unit height up to (cm) | 100 | 200 | 300 | 400 |
| | Bundle height approx. (cm) | 7.5 | 11.5 | 15.5 | 19.5 |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. BATISTE, BATISTE SHEER and ARCHITELLA ELAN fabrics only possible up to a unit height of 260 cm. ROYALE fabric only possible up to a unit height of 300 cm. | | | | |
| Operation: | 11-6120 Open and close via operating rail. Blind secured in any desired position. An operating rod is optionally available for units difficult to reach. 11-6110 Open and close via endless cord. Blind secured in any desired position. Operating side left or right. Operation length (L) from 50 cm to 150 cm in 10 cm increments (standard 100 cm), operation length from 150.1 cm to 300 cm in 25 cm increments. Other operation lengths available on request (surcharge applies). Please also note information on page 216. | | | | |
| Child safety: | 11-6110 The safety tensioner is supplied pre-fitted on the cord. Be sure to fit in correct direction and keep the cord taut. Correct positioning of the safety tensioner must be checked regularly and, in the case of doubt, re-adjusted. | | | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle brackets (surcharge applies). Mounting profile for the required distance to the glass pane (refer to page 208 - installation recommendations). See pages 149 - 150 for brackets and accessories. | | | | |
| Note: | Blind must run from top to bottom. | | | | |



11-6120

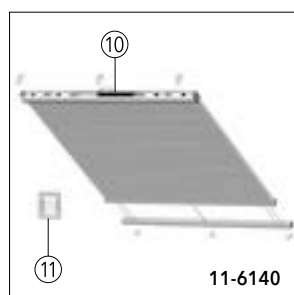


11-6110

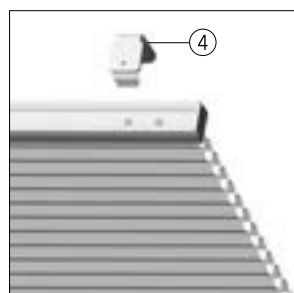


Model 11-6130, 11-6140

Ceiling and conservatory blinds: crank handle, electric operating rod, electric drive 24 V



11-6140



11-6130

- ① Blind
- ② Head or bottom rail
- ③ Mounting clip
- ④ Angle bracket with clip
- ⑤ Operating rail
- ⑥ Tension wire
- ⑦ Tension cord
- ⑧ Drive rail
- ⑨ Drive adapter
- ⑩ Electric drive 24 V
- ⑪ Switch combination (not included)

Technical data

Model:

11-6130 Honeycomb blind with crank handle or electric operating rod for ceilings and conservatories

11-6140 Honeycomb blind with electric drive 24 V in the middle of the head rail, with automatic end position switch-off. Single or group operation. Suitable for damp locations (DIN EN 13120, L1 and max. L2, i.e. well-heated and ventilated living spaces that are not overcrowded, including kitchens and bathrooms)

Description: Profiles made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Black-coated tension wires guide the honeycomb blind parallel to the window. Colour of tension cords grey.

Dimensions:

11-6130 Min. width 40 cm, max. width 150 cm, max. height 400 cm

11-6140 Min. width 55 cm, max. width 69.9 cm, max. height 240 cm, min. width 70 cm, max. width 150 cm, max. height 400 cm

Hardware colours:

100 silver anodised E6/EV1 171 white powder-coated RAL 9016

372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703

670 black powder-coated RAL 9005

| Bundle heights: | Unit height up to (cm) | 100 | 200 | 300 | 400 |
|---|------------------------|-----|------|------|------|
| 11-6130 Bundle height approx. (cm) | | 9.5 | 11.5 | 15.5 | 19.5 |
| 11-6140 Bundle height approx. (cm) | | 10 | 13 | 17 | 21 |

Fabrics: See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. BATISTE, BATISTE SHEER and ARCHITELLA ELAN fabrics only possible up to a unit height of 260 cm. ROYALE fabric only possible up to a unit height of 300 cm.

Operation:

11-6130 Open and close via crank handle or electric operating rod, see Electrical Accessories Price List. Drive adapter in the middle, other positions on request. Standard: Operation and fabric bundle on opposite side ⁽¹⁾, different arrangement on request.

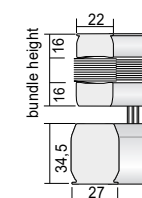
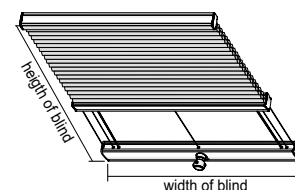
11-6140 Open and close via electric drive ⁽²⁾. Various control options provided by lock switch, radio remote control, timer and light sensor. For prices, information, control options and accessories, see the Electrical Accessories Price List.

Installation: Ceiling installation (standard) with clip. Wall installation with angle bracket (surcharge applies). Mounting profile for the required distance to the glass pane (see page 208 - Installation recommendations). See pages 157 - 159 for bracket quantities and accessories.

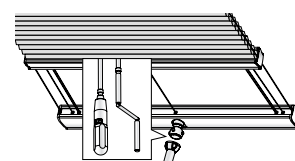
Note:

11-6130 Blind must run from top to bottom

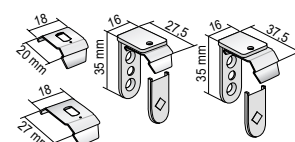
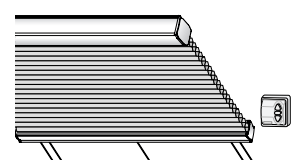
11-6140 ⁽²⁾ Electric drive and fabric bundle are always built together, blind must run at an angle from top to bottom.



11-6130 ⁽¹⁾



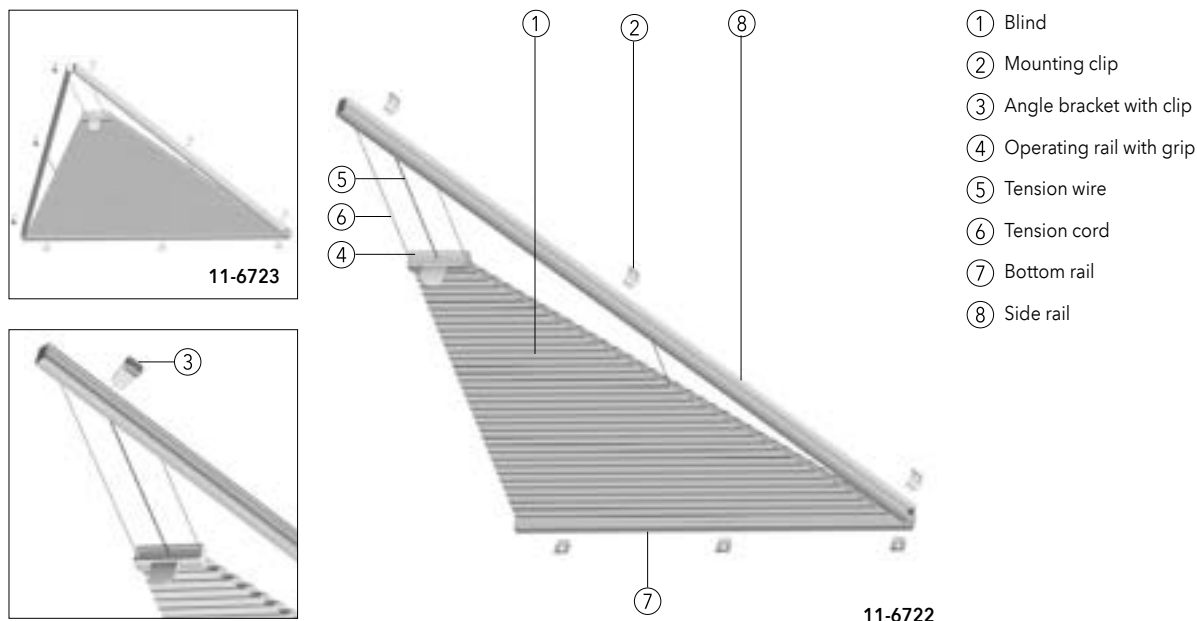
11-6140 ⁽²⁾



Technical data

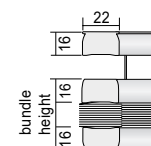
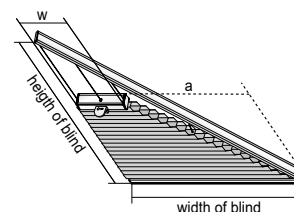
Model 11-6722, 11-6723

Special shapes with tension wires: triangular windows

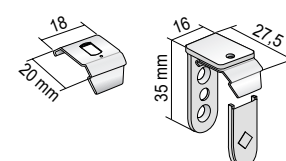
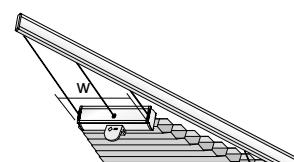
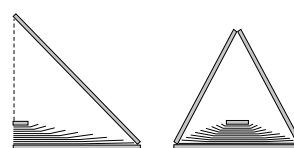


Technical data

| | | | | | |
|-------------------|---|-----|-----|-----|------|
| Model: | 11-6722 Taut honeycomb blind as a triangular unit with a right angle for ceilings and conservatories | | | | |
| | 11-6723 Taut honeycomb blind as a triangular unit for ceilings and conservatories | | | | |
| Description: | Height of blind can be adjusted by moving the operating rail. Upper, side, operation and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Black-coated tension wires guide the honeycomb blind parallel to the window. For technical reasons, the peak remains uncovered (minimum width w = 7 cm). | | | | |
| Dimensions: | 11-6722 min. width 30 cm, max. width 120 cm, max. height 200 cm, max. distance (a) 120 cm | | | | |
| | 11-6723 min. width 30 cm, max. width 120 cm, max. height 200 cm | | | | |
| Hardware colours: | 100 silver anodised E6/EV1 171 white powder-coated RAL 9016 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703 670 black powder-coated RAL 9005 | | | | |
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
| | Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 | 11.5 |
| Note: | Expansion of the fabric is possible. | | | | |
| Fabrics: | See MHZ DUETTE® honeycomb blind collection. BAMBOO fabric is not possible. | | | | |
| Operation: | Open and close by operating rail. Rail secured in any desired position. An operating rod is optionally available for units difficult to reach. | | | | |
| Installation: | Ceiling installation (standard) with clip. Wall installation with angle brackets (surcharge applies). 11 brackets per unit. Mounting profile for the required distance to the glass pane (refer to page 208 - installation recommendations). See pages 163 - 164 for brackets and accessories. | | | | |

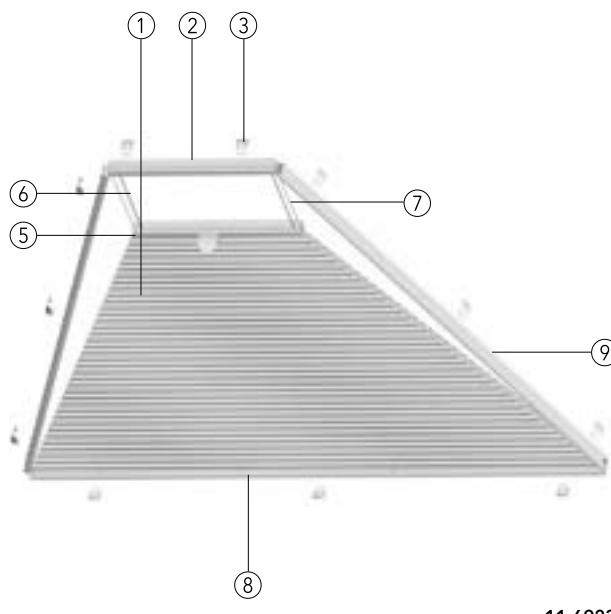
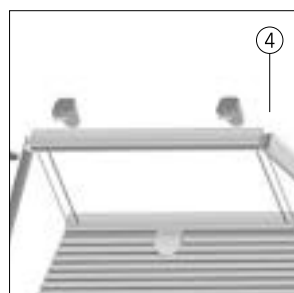
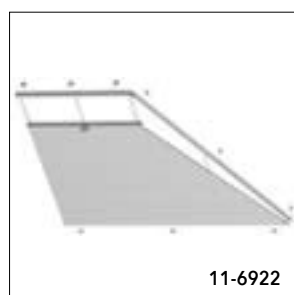


11-6722 11-6723



Model 11-6922, 11-6923

Special shapes with tension wires: trapezoid windows



- ① Blind
- ② Head rail
- ③ Mounting clip
- ④ Angle bracket with clip
- ⑤ Operating rail with grip
- ⑥ Tension wire
- ⑦ Tension cord
- ⑧ Bottom rail
- ⑨ Side rail

Technical data

Model: 11-6922 Taut honeycomb blind as a trapezoidal unit with a right angle for ceilings and conservatories
11-6923 Taut honeycomb blind as a trapezoidal unit for ceilings and conservatories

Description: Height of blind can be adjusted by moving the operating rail. Upper, side, operation and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Black-coated tension wires guide the honeycomb blind parallel to the window.
Min. width **w** = 10 cm.

Dimensions: 11-6922 min. width 30 cm, max. width 120 cm, max. height 200 cm, max. distance (a) 120 cm
11-6923 min. width 30 cm, max. width 150 cm, max. height 200 cm

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
670 black powder-coated RAL 9005

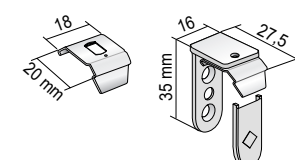
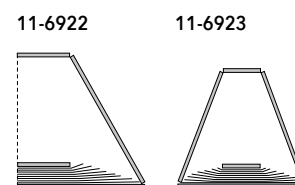
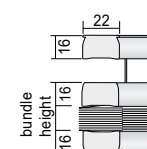
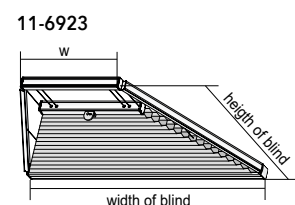
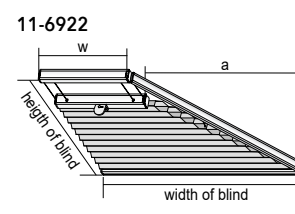
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 150 | 200 |
|-----------------|----------------------------|-----|-----|-----|------|
| | Bundle height approx. (cm) | 5.5 | 7.5 | 9.5 | 11.5 |

Note: Expansion of the fabric is possible.

Fabrics: See MHZ DUETTE® honeycomb blind collection.
BAMBOO fabric is not possible.

Operation: Open and close by operating rail. Rail secured in any desired position.
An operating rod is optionally available for units difficult to reach.

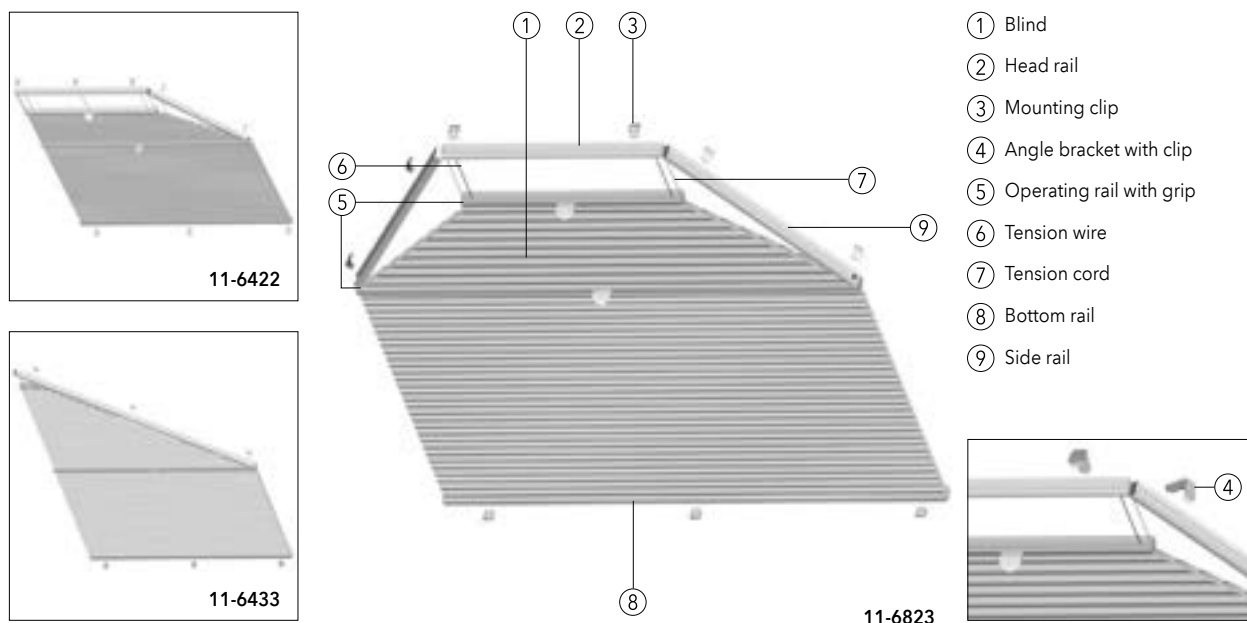
Installation: Ceiling installation (standard) with clip. Wall installation with angle brackets (surcharge applies). 11 brackets per unit. Mounting profile for the required distance to the glass pane (refer to page 208 - installation recommendations).
See pages 163 - 164 for brackets and accessories.



Technical data

Model 11-6422, 11-6433, 11-6823

Special shapes with tension wires: pentagonal and hexagonal windows



Technical data

Model: 11-6422 Taut honeycomb blind as a pentagonal unit for ceilings and conservatories
 11-6433 Taut honeycomb blind as a sloping unit for ceilings and conservatories
 11-6823 Taut honeycomb blind as a hexagonal unit for ceilings and conservatories

Description: Height of blind can be adjusted by moving the operating rail. Upper, side, operation and bottom rails made of extruded aluminium. Blind in various fabrics, see honeycomb blind collection. Tension cords in white. Black-coated tension wires guide the honeycomb blind parallel to the window. For technical reasons the peak on model 11-6433 remains uncovered (min. width $w = 10$ cm)

Dimensions: 11-6422 min. width 30 cm, max. width 150 cm, max. height 400 cm
 11-6433 min. width 30 cm, max. width 120 cm, max. height 400 cm
 11-6823 min. width 30 cm, max. width 150 cm, max. height 400 cm

Hardware colours: 100 silver anodised E6/EV1 171 white powder-coated RAL 9016
 372 bronze anodised E6/3145 650 anthracite powder-coated similar to DB 703
 670 black powder-coated RAL 9005

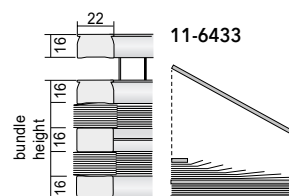
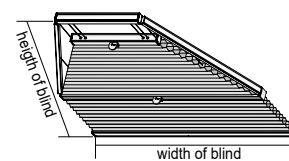
| Bundle heights: | Unit height up to (cm) | 50 | 100 | 200 | 300 | 400 |
|-----------------|----------------------------|-----|-----|------|------|------|
| | Bundle height approx. (cm) | 7.5 | 9.5 | 13.5 | 15.5 | 17.5 |

Note: Expansion of the fabric is possible.

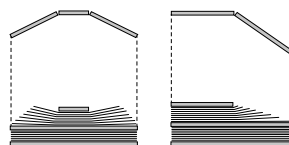
Fabrics: See MHZ DUETTE® honeycomb blind collection.
 BAMBOO fabric is not possible.
 BATISTE, BATISTE SHEER and ARCHITELLA ELAN fabrics only possible up to a unit height of 260 cm. ROYALE fabric only possible up to a unit height of 300 cm.

Operation: Open and close by operating rail.
 Rail secured in any desired position.
 An operating rod is optionally available for units difficult to reach.

Installation: Ceiling installation (standard) with clip. Wall installation with angle brackets (surcharge applies). 11 brackets per unit. Mounting profile for the required distance to the glass pane (refer to page 208 - installation recommendations). See pages 171 - 172 for brackets and accessories.



11-6823 11-6422



11-6433

