

External venetian blinds from Griesser. Metalunic®



min. 500 mm, crank drive
min. 700 mm, motor drive
max. 2800 mm



min. 440 mm
max. 4000 mm



max. 6,5 m², single blind with crank drive
max. 8 m², single blind with motor crank
max. 16 m², connected systems with motor drive

All metal external venetian blind with versatile functions.



- 1 Each slat is individually fastened to the mechanism on the side.
- 2 Plastic sealing lip for good shading.
- 3 Lifting chain and drive chain made from steel.

- 4 Stainless scissor chain.
- 5 Carriage



Robust, kink-proof profile with rolled-in plastic sealing lip for good shading. Slats can be replaced individually.



No visible vertical connections.



Safety locking device in each position.



Safety sensing edge.

Limit dimensions

bk Width of construction
(rear edge of guide rails)

Minimum

- Crank drive 500 mm
- Motor drive 700 mm

Maximum 2800 mm

Buildings and high-rise structures which are exposed to high wind should decrease this maximum value as required.

hl Opening height

Minimum 440 mm

Maximum 4000 mm

bk × *hl* Maximum surface area

Single blind

- With crank drive 6.5 m²
- With motor drive 8 m²

Connected systems

(Max. system width 8.4 m)

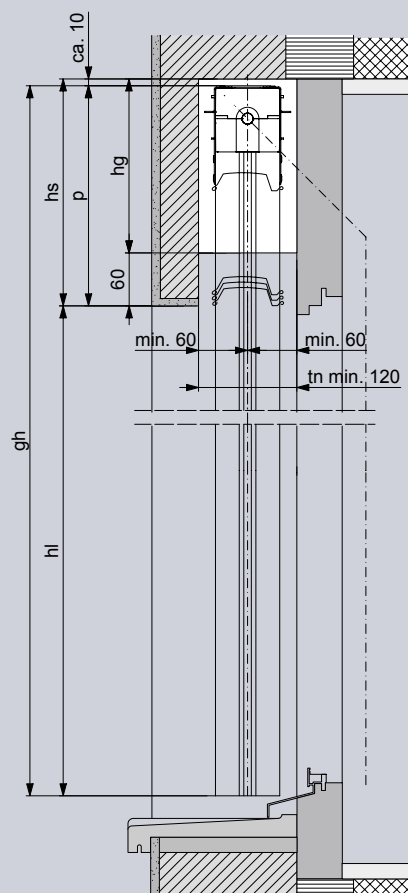
- With crank drive (max. 3 blinds)
 - 2 blinds per system 5 m²
 - 3 blinds per system 4 m²
 A max. of 2 blinds may be connected on each side of the gearbox.
 - With motor drive (max. 3 blinds) 16 m²
- For 3 or 4 blinds, the motor should be positioned in the centre.

Header dimensions

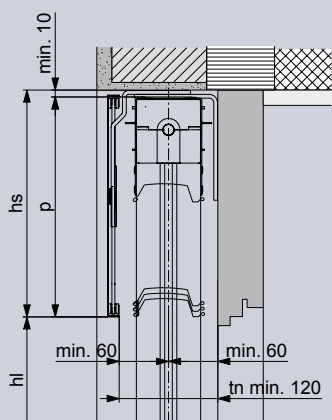
Opening height (hl)	Header height (hs)
mm	mm
400-1000	270
1001-1250	285
1251-1500	310
1501-1750	340
1751-2000	365
2001-2250	390
2251-2500	420
2501-2750	445
2751-3000	470
3001-3250	500
3251-3500	525
3501-3750	550
3751-4000	580

Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances.

Side elevation: Example of header



Side elevation: Example of header



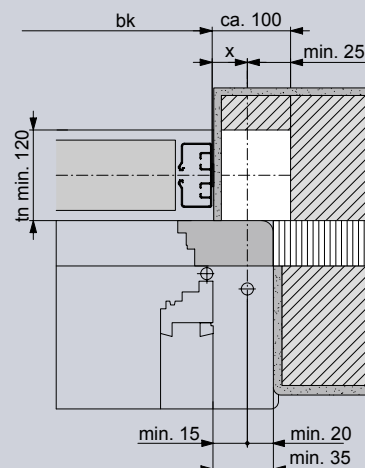
Depth of niche tn: 120 mm + possible addition for protruding weatherboard or doorknobs. A dimensional tolerance of ±5 mm is observed for the header height.

Top elevation for crank drive

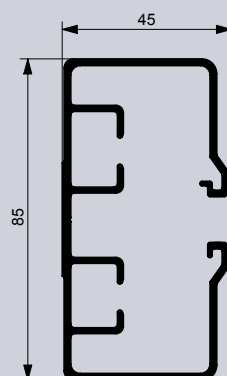
With recess (white) for gearbox (not necessary for motor drive).

Depending on the angle of the gearbox output, tn min. should be increased by 5 - 10 mm in this area.

x = Dimension from rear edge of guide rails to centre of drive; depending on window construction - min. 25 mm.



Guide rails



Key

- bk** = Width of construction
- hl** = Opening height
- p** = Height of package
- gh** = Total height (hl + p)
- hs** = Header height (p + min. 10)
- hg** = Height of gearbox recess (hs - 60)
- tn** = Depth of niche

All dimensions in mm.



Safety locking device in each position



Safety sensing edge



Slats can be replaced individually – extremely easy to maintain



Design description

Blind system

All metal construction with self-supporting slats. Lifting and adjustment mechanism integrated into lateral guides. The lateral lifting mechanism operates using steel roller chains. Stainless scissor chain for slat adjustment in each blind position. Lowering position at 45° or 70°. Blinds are raised in the brightness position (-20°). Good shading function. Integrated safety locking device in each position. A standard reversing edge prevents the blind from being damaged when it encounters obstacles in motion (up to 2250 mm in height).

Slats

Robust, kink-proof profile with rolled-in sound-absorbing plastic sealing lip. Damaged slats can be replaced individually. Curved and bordered on both sides, 96 mm wide, baked enamel finish with aluminum.

Guide rails

Made from extruded aluminum, 85 × 45 mm, with sound-absorbing plastic slides on the pivot arms. Transparently anodized (baked enamel finish for an additional charge).



Colors

GriColors

The GriColors range includes 100 color shades in four collections, Glass & Stone, Sun & Fire, Water & Moss and Earth & Wood – from cool white and sunny red to natural blue and earthy brown.

BiColor (option)

External venetian blinds get a new color: when the outside of the slat is brightly colored, a neutral light tone on the inside can optimize the blind functions (for an additional charge). The interior view shows the colors outside on the border edges.

The guides and end rails are transparently anodized (baked enamel finish in one color for an additional charge).

Operating instructions

- The solar shading systems should be retracted if it is windy.
- The systems must not be operated if there is a risk of ice.
- The systems must be accessible for maintenance work.
- Observe the VSR data sheets.

For more information about our services and products and for planning tips, go to www.griessergroup.com.



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Subject to change without prior notice