

## External venetian blinds from Griesser. Metalunic®



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**WIDTH**

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

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**HEIGHT**

min. 440 mm  
max. 4000 mm

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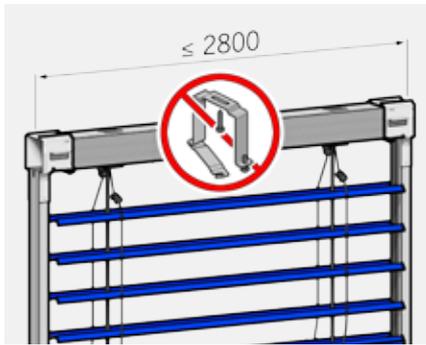
**SURFACE AREA**

max. 6,5 m<sup>2</sup>, single blind with crank drive  
max. 8 m<sup>2</sup>, single blind with motor crank  
max. 16 m<sup>2</sup>, connected systems with motor drive

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**TECHNOLOGY IN DETAIL**

- 1 Self-supporting blind system as built-in or protruding system.
- 2 Each slat is individually fastened to the mechanism on the side.
- 3 Steel lifting chain and drive chain.
- 4 Plastic sealing lip for good shading.
- 5 Stainless scissor chain.
- 6 Carriage



Self-supporting, no extra fasteners – easy on the insulation and simple to mount.



**ALL METAL EXTERNAL VENETIAN BLIND WITH VERSATILE FUNCTIONS**





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
motor drive	700
Maximum	
	2800

Buildings and high-rise structures which are exposed to high wind should decrease this maximum value as required (see operating instructions).

### hl Opening height

Minimum		440
Maximum		4000

### bk × hl Maximum surface area

Single blind		
with crank drive		6.5 m <sup>2</sup>
with motor drive		8 m <sup>2</sup>
Connected systems (Max. system width 8.4 m)		
with crank drive (max. 3 blinds)		
2 blinds per system		5 m <sup>2</sup>
3 blinds per system		4 m <sup>2</sup>
A max. of 2 blinds may be connected on each side of the gearbox.		
with motor drive (max. 3 blinds)		16 m <sup>2</sup> *

For 3 or 4 blinds, the motor should be positioned in the centre.

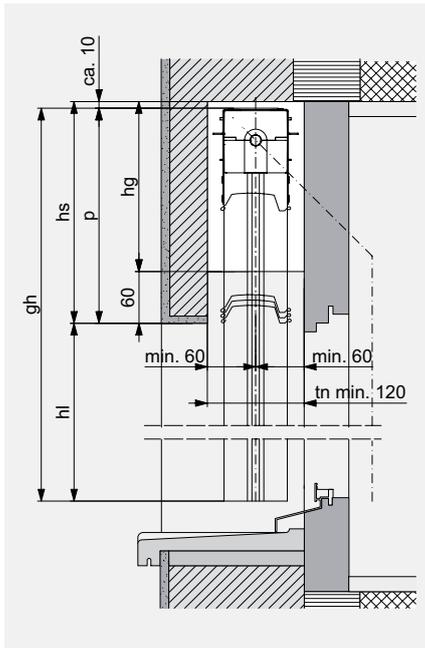
\* With standard motor

### Header dimensions

Opening height (hl)	Header height (hs) Metalunic®
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.

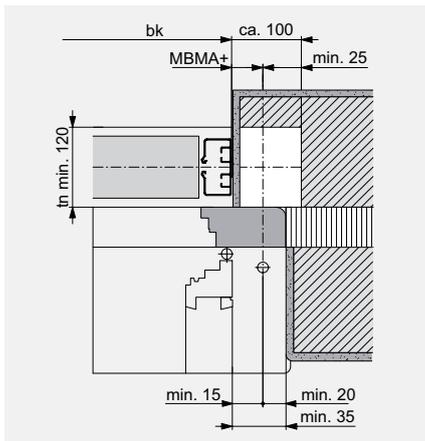
**Vertical section: Example of header**



**BUILT-IN SYSTEM**



**Top section: for crank drive**

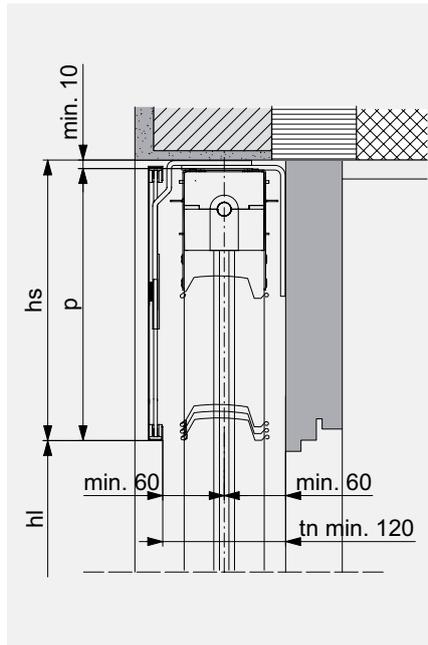


**Top section for crank drive**

With recess (white) for gearbox (not necessary for motor drive). Depending on the angle of the gearbox output,  $t_n$  min. should be increased by 5 - 10 mm in this area.  
 MBMA+ = Dimension from rear edge of guide rails to centre of drive.



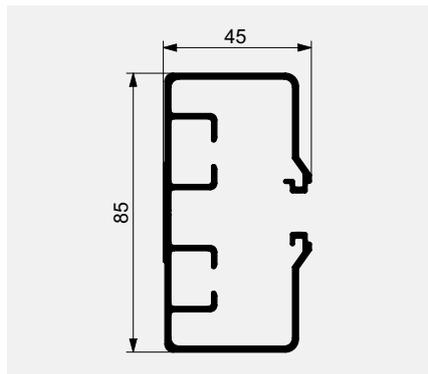
**Vertical section: Example with cover**



**BUILT-IN SYSTEM WITH COVER**



**LATERAL GUIDE RAILS**



**Depth of niche**

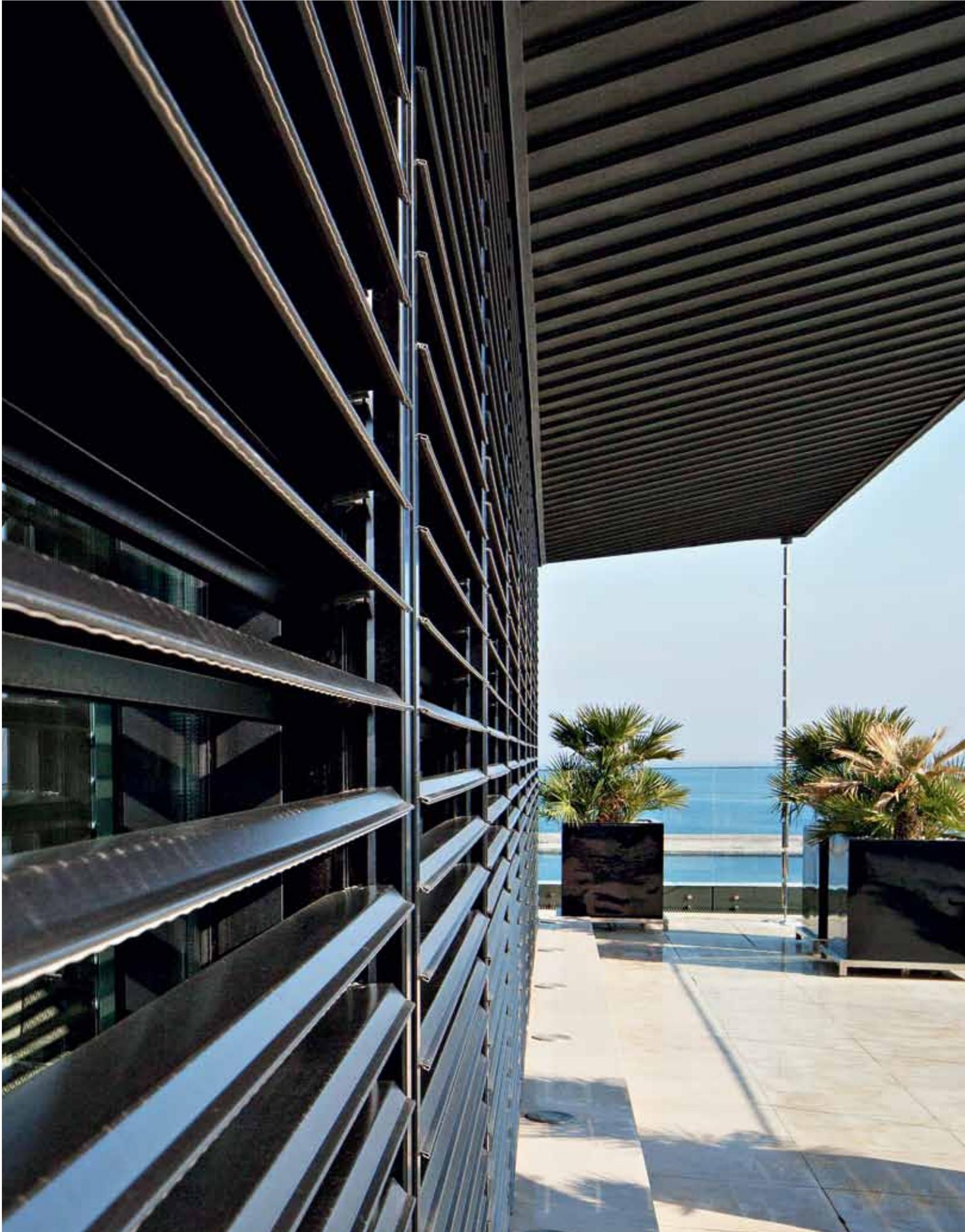
	<b>tn</b>
Metalunic®	min. 120*

\* + possible addition for protruding weatherboard or doorknobs. A dimensional tolerance of  $\pm 5$  mm is observed for the header height.



**KEY**

- bk = Width of construction
  - hl = Opening height
  - p = Height of package
  - hs = Header height (p + min. 10)
  - hg = Height of gearbox recess (hs - 60)
  - tn = Depth of niche
- All dimensions in mm.





GriColor - 100 colors

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## COLORS

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### 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.

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### BiColor

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. The interior view shows the colors outside on the border edges. The guides and end rails are transparently anodized. Our color recommendations for Interior color: white (VSR901) light grey (VSR904) or medium grey (VSR130).



BiColor



## PLANNING AND OPERATING INSTRUCTIONS

The instructions in the Technical Data Sheets are to be observed when planning the solar shading.

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 or information in EN 13659 wind classes.



Metalunic® is available as a MINERGIE® module in an automated version.

Your partner

## 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. 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).

### Self-supporting blind system

The self-supporting blind design preserves the insulation in the header and reduces service costs. Sturdy guide rails, 85 x 45, made from extruded aluminum. Integrated guide rails are available on request.

### 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 lifting and adjustment mechanism and sound-absorbing plastic slides on the pivot arms. Transparently anodized (baked enamel finish for an additional charge).

### Housing

Made from galvanized sheet steel, open at the bottom. with lifting and adjustment mechanism.

### Drive

The external venetian blinds are equipped with a 230 V 50 Hz motor drive or an articulated crank drive.

Subject to change without prior notice