

## External venetian blinds from Griesser. Grinotex<sup>®</sup>, Grinotex Sinus<sup>®</sup>



min. 600 mm, crank drive  
min. 760 mm, motor drive  
min. 800 mm, gearbox in slat area  
max. 4000 mm



min. 380 mm  
max. 4250 mm



max. 8 m<sup>2</sup>, single blind  
max. 24 m<sup>2</sup>, connected systems with  
motor drive

**External venetian blind with metal joints for durability.**



- |  |   |
|--|---|
| 1 Lifting chain and drive chain made from steel.                                     | 5 Plastic sealing lip.                          |
| 2 Guide pin at all slat ends.  | 6 Guide rail with integrated lifting mechanism. |
| 3 Slat support connection: stainless steel wire cable coated with UV-stable plastic. | 7 Stable end rail guide.                        |
| 4 Slim and smooth-surfaced slat profile, easy to clean.                              | 8 Robust end rail made from extruded aluminum.  |



Two different slat designs: Grinotex® or Grinotex Sinus®.



Grinotex Sinus®: more use of daylight, less glare with a slat position of approx. 45°.



Safety locking device in each position.



Safety sensing edge.

## Limit dimensions

### *bk* Width of construction (rear edge of guide rails)

Minimum

- Crank drive 600 mm
- Gearbox in slat area 800 mm
- Motor drive 760 mm

Maximum 4000 mm

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

### *hl* Opening height

Minimum 380 mm

Maximum 4250 mm

### *bk* × *hl* Maximum surface area

Single blind

- With crank drive 8 m<sup>2</sup>

- With motor drive 8 m<sup>2</sup>

### Connected systems

(Max. system width 10 m)

- With crank drive

2 blinds 8 m<sup>2</sup>

3 blinds (max.) 6.5 m<sup>2</sup>

In the case of 3 connected blinds, the drive should be positioned between two blinds.

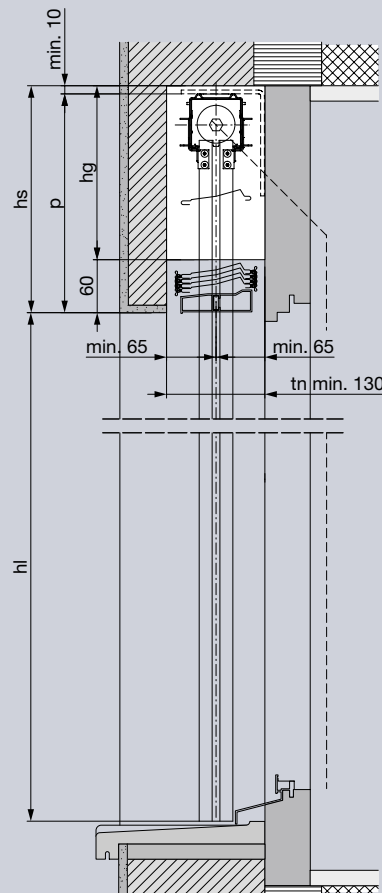
- With motor drive

2 blinds 16 m<sup>2</sup>

3-4 blinds (max.) 24 m<sup>2</sup>

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

### Side elevation: Example of header



### Top elevation for crank drive

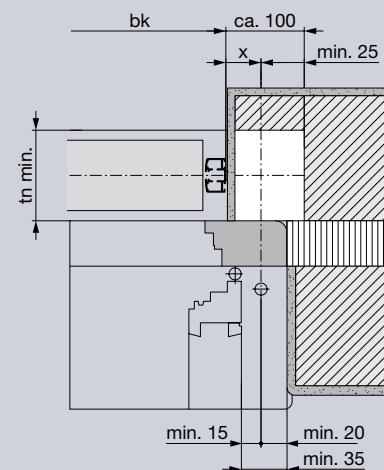
With recess (white) for gearbox (not necessary for motor drive).

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

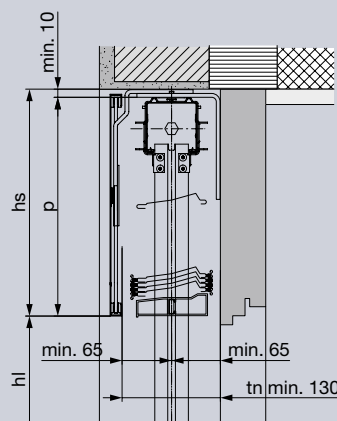
With gearbox in slat area: *hs* + 20 mm. A dimensional tolerance of ±5 mm is observed for the header height.

Depth of niche *tn*: 130 mm + possible addition for protruding weather-board or doorknobs.

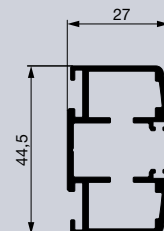
If crank drive is in slat area: maximum surface area and crank position available on request.



### Side elevation: Example with cover



### Guide rails



### Key

**bk** = Width of construction

**hl** = Opening height

**p** = Height of unit

**hs** = Height of header (*p* + min.10)

**hg** = Height of gearbox recess (*hs* - 60)

**tn** = Depth of niche

All dimensions are in mm.

### Grinotex® header dimensions

hl	bk									
	up to 2000	2001 - 2250	2251 - 2500	2501 - 2750	2751 - 3000	3001 - 3250	3251 - 3500	3501 - 3750	3751 - 4000	
up to 1250	230	230	230	245	245	245	255	255	255	
1251-1500	245	245	245	260	260	260	275	275	275	
1501-1750	265	265	280	280	280	290	290	290	290	
1751-2000	280	280	295	295	295	310	310	310	310	
2001-2250	300	300	315	315	315	325	325	325	325	
2251-2500	315	315	330	330	345	345	345	345	345	
2501-2750	335	335	350	350	360	360				
2751-3000	350	365	365	365	380					
3001-3250	370	385	385	385						
3251-3500	390	405	405							
3501-3750	410	425	425							
3751-4000	425	440								
4001-4250	445									
End rail	23 mm	38 mm	50 mm							

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

### Grinotex Sinus® header dimensions

hl	bk									
	up to 2000	2001 - 2250	2251 - 2500	2501 - 2750	2751 - 3000	3001 - 3250	3251 - 3500	3501 - 3750	3751 - 4000	
up to 750	230	230	230	230	230	230	235	235	235	
751-1000	230	230	230	240	240	240	255	255	255	
1001-1250	245	245	245	260	260	260	270	270	270	
1251-1500	260	260	260	275	275	275	290	290	290	
1501-1750	285	285	300	300	300	310	310	310	310	
1751-2000	300	300	315	315	315	330	330	330	330	
2001-2250	320	320	335	335	335	345	345	345	345	
2251-2500	340	340	355	355	365	365	365	365	365	
2501-2750	355	355	370	370	380	380				
2751-3000	380	395	395	395	405					
3001-3250	395	410	410	410						
3251-3500	410	425	425							
3501-3750	430	445	445							
3751-4000	455	470								
4001-4250	470									
End rail	23 mm	38 mm	50 mm							

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

## Design description

### *Blind system*

Composite metal technology and guide pins on each individual slat give Grinotex stability in high wind areas. Metal pivotal slat connections and steel cables coated with UV stable plastic lend added system durability. The lateral lifting mechanism operates using steel roller chains with an automatic safety locking feature in every position. A standard reversing edge prevents the blind from being damaged when it encounters obstacles in motion (up to 2250mm in height). Although starting from a closed position, the slats can be adjusted between open and closed at every height.

### *Slats, Grinotex®*

Robust and rigid, the Grinotex® slat resists bending and twisting using rolled edge reinforcement and a plastic sealing lip that offers not only quieter operation, but provides an extra level of light control. Each 93mm slat comes standard with a polyamide guide pin for smooth operation and greater system stability. End rail made from extruded aluminum, transparently anodized (baked enamel finish as an option).

### *Slats, Grinotex® Sinus*

As well as featuring the tried and tested characteristics of the Grinotex®, Grinotex Sinus® also optimizes use of daylight and glare protection. The robust and particularly rigid slat profile is also extremely elegant and adds that ideal touch to the façade of the building.

### *Guide rails*

Made from extruded aluminum 45 x 27 mm, with weatherproof noise insulation inserts, transparently anodized (baked enamel finish as an option).

### *Housing*

Made from sendzimir galvanized sheet steel, open at the bottom, with wind-stable slat adjustment mechanism.

### *Fixed fitting*

The self-supporting blind design preserves the insulation in the header and reduces service costs. Up to a width of 2000 mm the system requires no fastening for the housing – the insulation remains intact and noise transfer is reduced. The stable guide rails (45 x 27) feature service openings. Integrated guide rails are available on request.



Grinotex®



Grinotex Sinus®

## 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 (as an option). 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 as an option).

## 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](http://www.griessergroup.com).



## Your partner

Subject to change without prior notice