

## External rolling venetian blinds from Griesser. Solomatic R®



min. 520 mm, crank drive  
min. 650 mm, motor drive  
max. 3600 mm



min. 520 mm  
max. 5000 mm

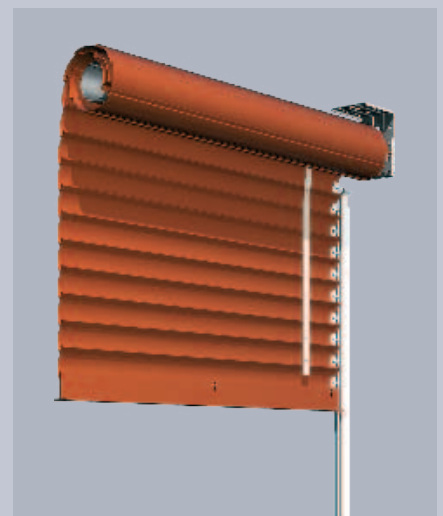


max. 7 m<sup>2</sup>, single blind  
max. 10 m<sup>2</sup>, connected systems with  
crank drive  
max. 18 m<sup>2</sup>, connected systems with  
motor drive

**External rolling venetian blind system**



Aluminum profile, 58 mm wide, with rolled-in plastic sealing lip.



Solomatic R® Conventional (external roller).

## Solomatic R® Conventional

### Limit dimensions

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

Minimum

– Crank drive 520

– Motor drive 650

Maximum 3600

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

*hl* Height of available light

Minimum 520

Maximum 5000

*bk* × *hl* Maximum surface area

Single blind 7 m<sup>2</sup>

Connected systems

(Max. 3 blinds)

– With crank drive 10 m<sup>2</sup>

– With motor drive 18 m<sup>2</sup>

Over a width of 2400 mm, Solomatic R®

Conventional is fitted with an added support

profile, an additional support belt (over 3000 mm,

two additional support belts) and reinforced

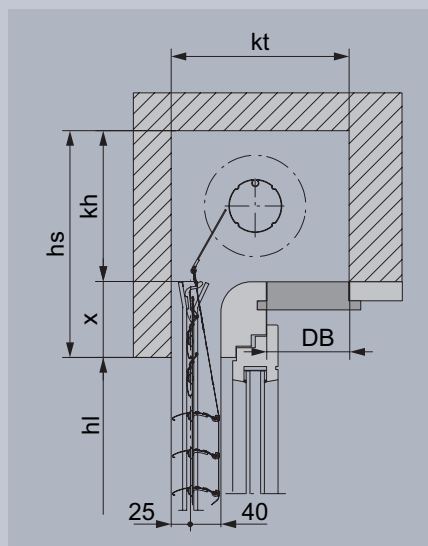
axes and guides.

### Dimensions (kh/kt) depend on height (hl)

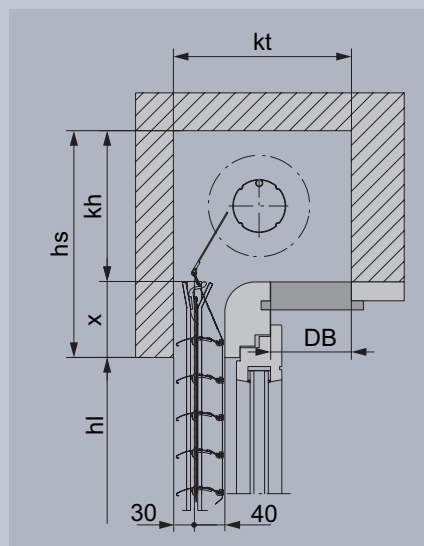
hl Height of available light	bk Width of construction ≤ 2400 mm				bk Width of construction > 2400 mm	
	Effective sleeve ø tube ø 70 mm	kh/kt box height/depth	Effective sleeve ø tube ø 85 mm	kh/kt box height/depth	Effective sleeve ø tube ø 85 mm	kh/kt box height/depth
520 - 1000	150	170	160	180	160	180
1001 - 1500	170	190	175	195	175	195
1501 - 2000	190	210	190	210	190	210
2001 - 2500	205	225	205	225	210	230
2501 - 3000	220	240	220	240	225	245
3001 - 4000	250	270	250	270	270	285
4001 - 5000	280	300	270	290	290	305

### Installation versions

#### Version with fixed slats



#### Version without fixed slats



#### Key

**bk** = Width of construction

**hl** = Height of available light

**hs** = Height of lintel

**gh** = Total height

**kt** = Depth of box

**kh** = Height of box

**DB** = Width of ceiling opening (min. 100 mm)

**x** = Guide extension (standard 100 mm)

All dimensions are in mm.

## Design description

### *Blind system*

External rolling venetian blind, lifting mechanism in the guides, turning mechanism visible in the slat area. Chrome nickel steel vertical connections for raising, lowering and adjusting slats. Tube made from sendzimir galvanized steel tube. Bearing made from galvanized steel. Over a width of 2400 mm, Solomatic R® Conventional is fitted with an added support profile, an additional support belt (over 3000 mm, two additional support belts) and reinforced axles and guides.

### *Slats*

Profile with rolled-in, sound-absorbing plastic sealing lip. Slats bordered on both sides, 58 mm wide, annealed with aluminum.

End rail made from extruded aluminum, transparently anodized (annealed as an option), with buffers, height adjustable, a profile of 50 or 80 mm is used depending on the height.

### *Lateral guides*

Made from extruded aluminum, 22 × 36 mm (normal guide) or 26 × 28 mm (reinforced guide), with weather-proof noise insulation inserts, transparently anodized (annealed as an option).

## 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 from GriColors 100 colors*

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 (annealed as an option).

## Operating instructions

- The sun protection systems should be retracted in good time 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.

For more information about our services and products and for planning tips, go to [www.griessergroup.com](http://www.griessergroup.com)

