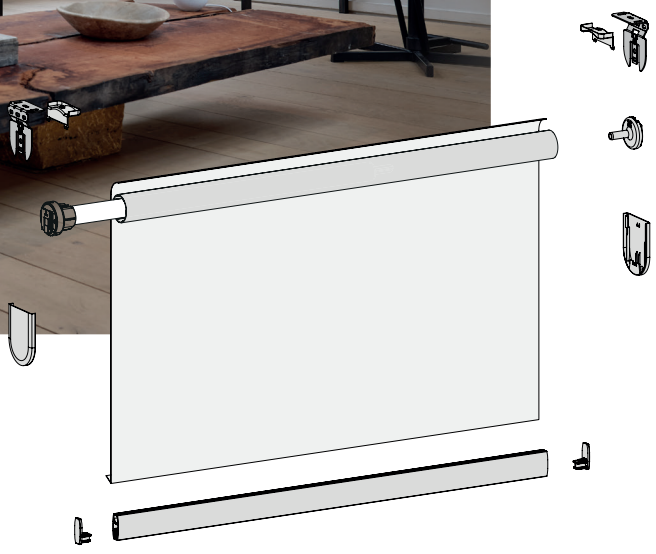
TECHNICAL DATA SHEET

Smart Roller Blinds

ELECTRICAL





DIAZ | SUNPROTECTION

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1. GENERAL

Smart electric roller blinds are a popular window covering thanks to their ease of operation, versatility and aesthetic appeal.
Smart electric roller blinds consist of a reinforced aluminium tube ranging from Ø38 mm to Ø80 mm. The tube diameter is determined by the dimensions, surface area and type of fabric. The fabric is attached to the tube using strong adhesive tape.

The metal brackets are lacquered and fitted with PVC or metal colour-coordinated covers to conceal the screws. The roller blinds can be mounted either **inside the window opening** (ceiling) or **outside the window opening** (wall).

The fabric can be finished with different types of hem bars, both concealed (covered by the fabric) and visible. If desired, the tube can be concealed using different types of cassette systems.

Automation is possible with a **12V battery motor**, a **230V switch-controlled motor** (also suitable for home automation systems) and a **230V remote-controlled motor**.

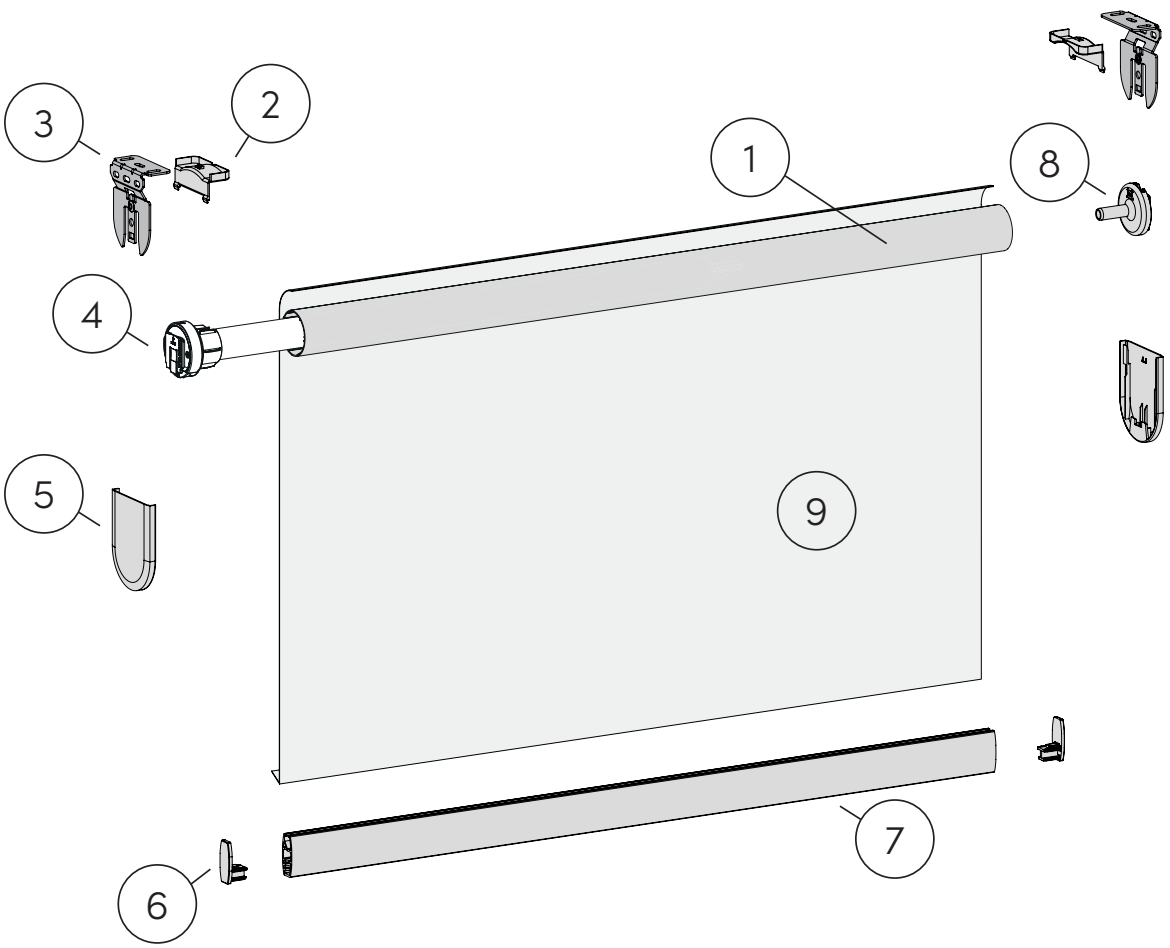




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2. SPECIFICATIONS

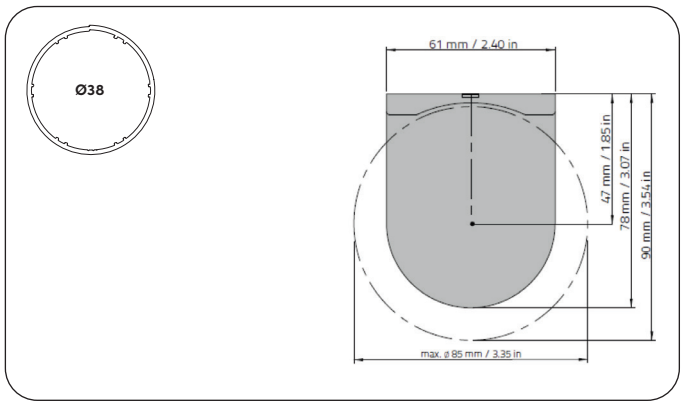
Parts

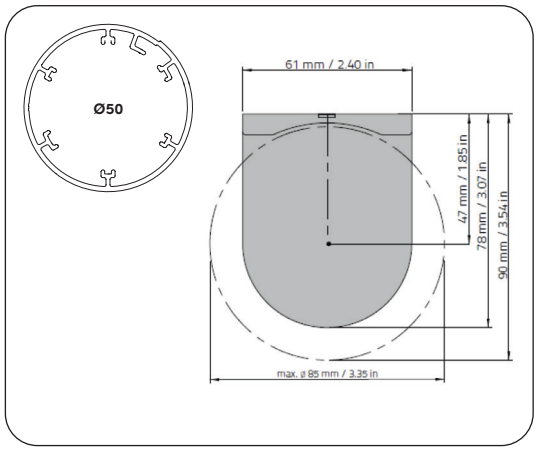


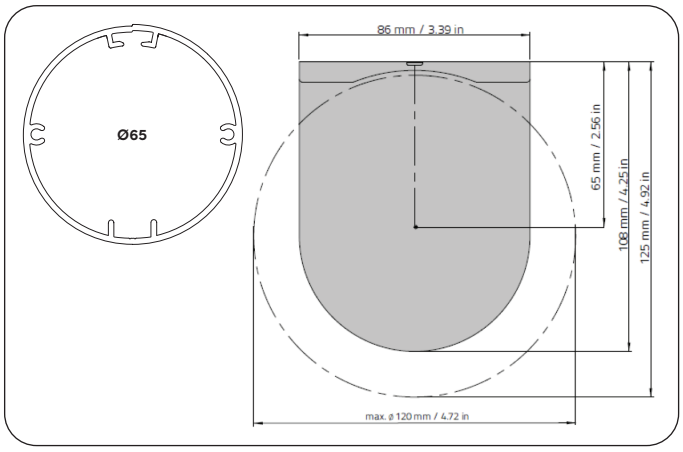
1. Tube
2. End cap screws
3. Metal bracket
4. Motor
5. Cover
6. End cap
7. Hem bar
8. Bearing pin
9. Fabric

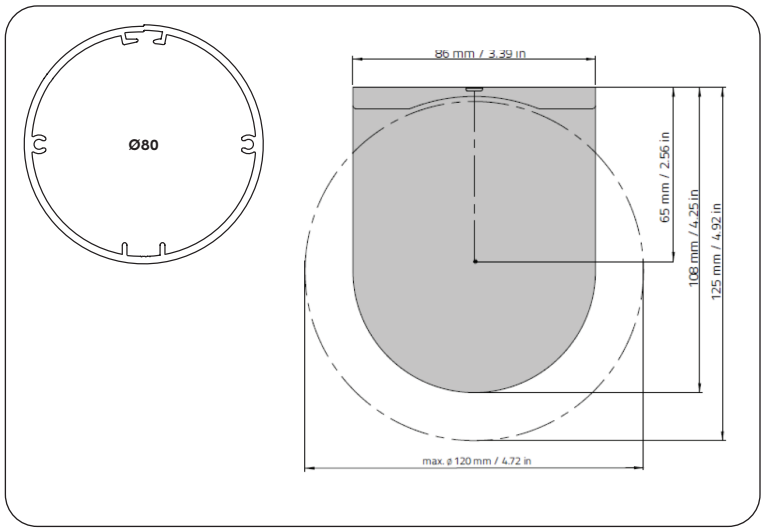
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Tube diametres









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Operation

Types of operation



12V battery motor

230V switch-controlled motor

230V remote-controlled motor

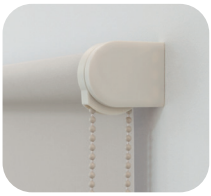
Ø38 Ø50 Ø65 Ø80

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Bracket colours

Standard colours


pvc white


pvc beige


pvc light grey


pvc anthracite


pvc dark brown


pvc black


metal white

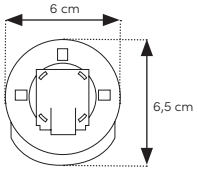
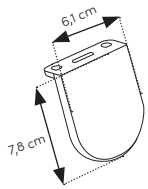
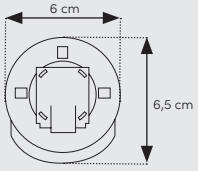
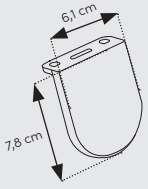
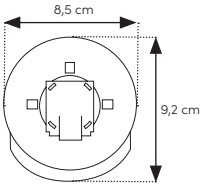
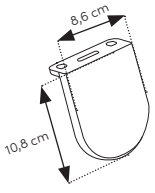
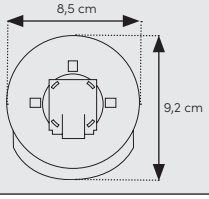
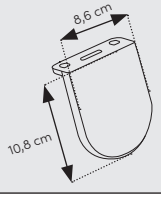

metal champagne


metal silver


metal carbon

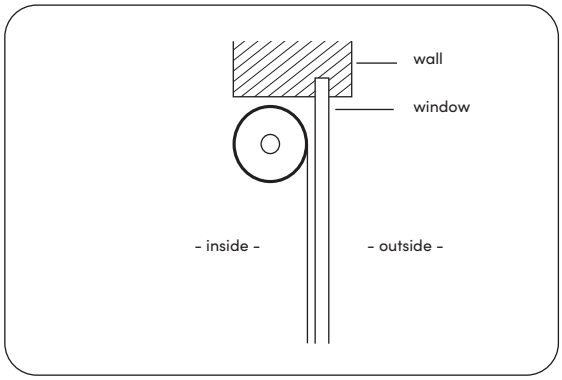
lacquering possible

Bracket dimensions

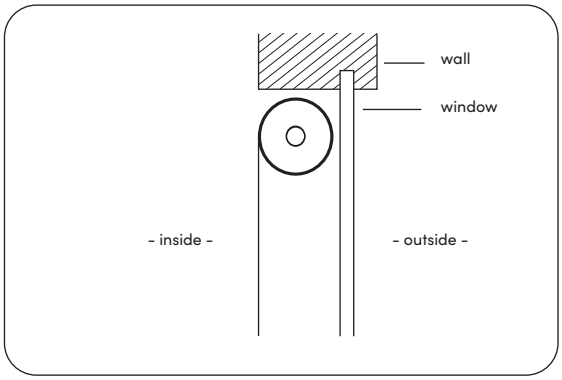
tube Ø	operation	bracket
Ø 38		
Ø 50		
Ø 65		
Ø 80		

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Rolling direction



Normal rolling

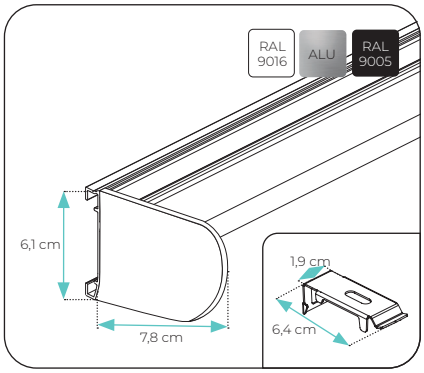


Reverse rolling

Options

a. Mounting profile

The mounting profile is fixed with clips.



Ø38 Ø50

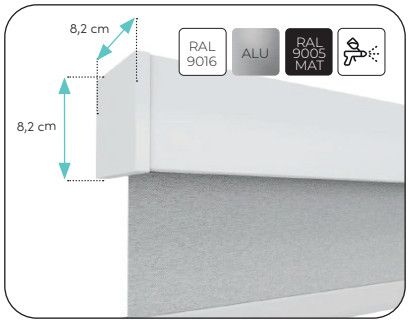
230V

Mounting profile is compatible with :

	guidance (tension cables)
Ø 38	✓
Ø 50	✓

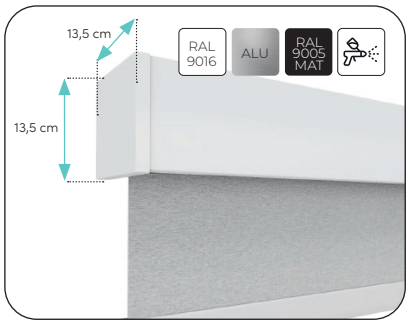
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b. Smart deco profile



Ø38 Ø50 230V





Ø65 Ø80 230V

dag & nacht

Smart Deco Profile is compatible with:

	coupling	day & night
Ø 38		✓
Ø 50	✓	✓
Ø 65	✓	
Ø 80	✓	

Maximum profile width = 5.7 m.

For widths > 2 m, a centre support bracket is provided (at no extra cost).
The maximum spacing for this centre support bracket is 1.5 m.

***Mounting outside the window opening:** we supply a profile including end caps.*

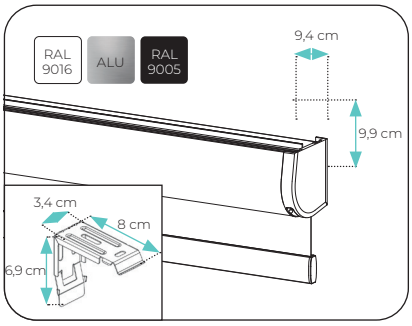
***Mounting inside the window opening:** we supply a profile without end caps. The profile is 6 mm wider than the ordered width.*

⚠ Are you looking for roller blinds with a concealed tube, while ensuring easy installation? Then we recommend choosing a Smart Deco Profile.

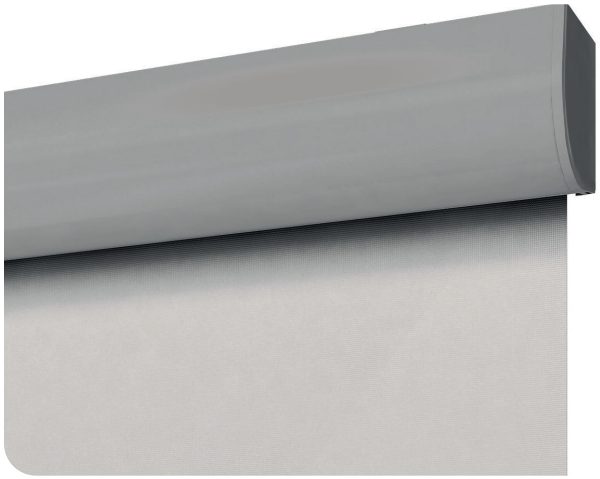
⚠ Not available in combination with a Somfy Sonesse RTS battery-powered motor.

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c. Rounded cassette



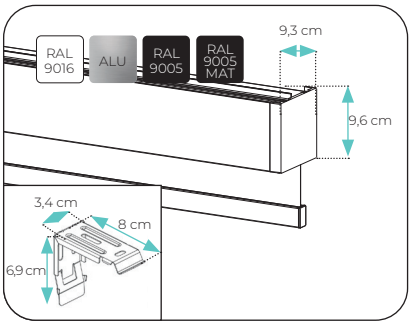
Ø50 230V



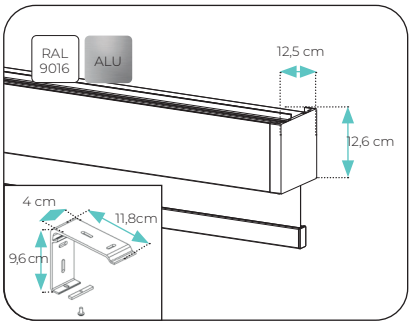
Rounded cassette system is compatible with:

	guidance (tension cables)	coupling
Ø 50	✓	✓

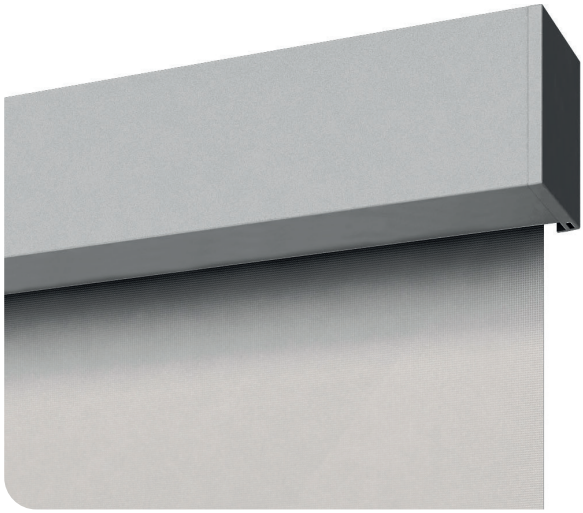
d. Squared cassette



Ø50 230V



Ø65 **Ø80** 230V

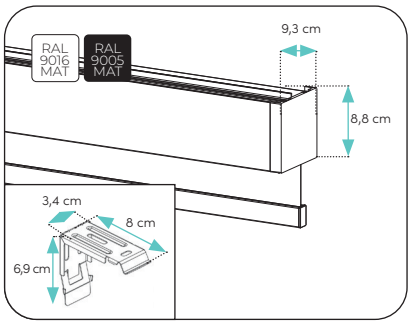


Squared cassette system is compatible with:

	guidance (tension cables)	coupling
Ø 50	✓	✓
Ø 65		✓
Ø 80		✓

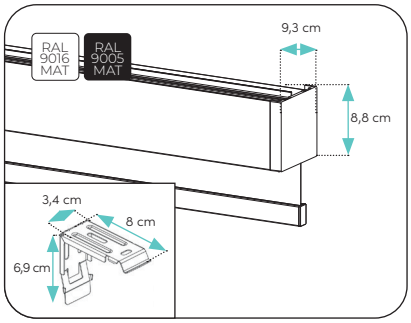
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e. Open squared cassette



Ø38





Ø50 230V

Open squared cassette system is compatible with:

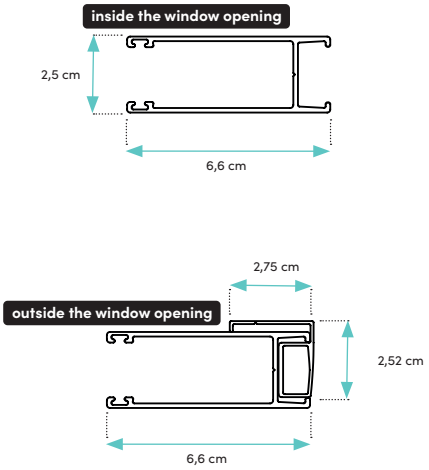
	guidance (tension cables)	coupling
Ø 38	✓	
Ø 50	✓	✓

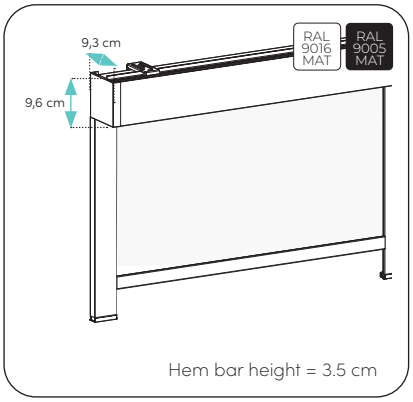
The information provided and the specified dimensions are purely indicative and may be subject to change without prior notice. Printing errors cannot give rise to any liability.

f. Dim-out blind system PLUS with side guides

- When raising the roller blind, the hem bar does not disappear into the top profile. Please take into account a total height of ±13.5 cm (cassette + hem bar). Please consider this when installing the system on a window that still needs to open and close.
- Only in combination with a black-out fabric
- Thanks to the deeper side guides, the fabric remains perfectly in place



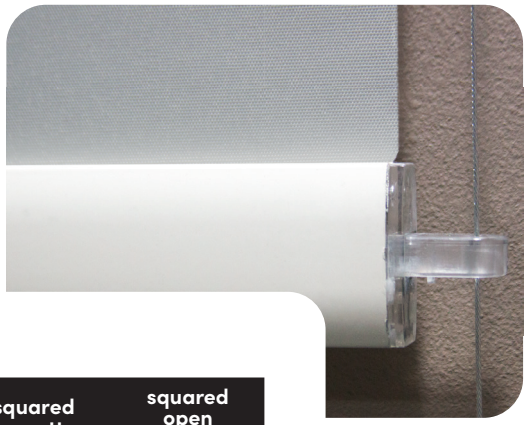




Ø50 230V

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g. Guidance with tension cables

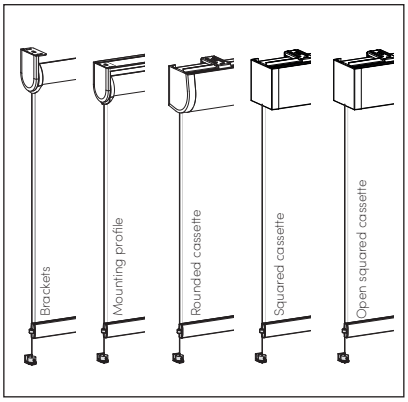


Possible hem bars:

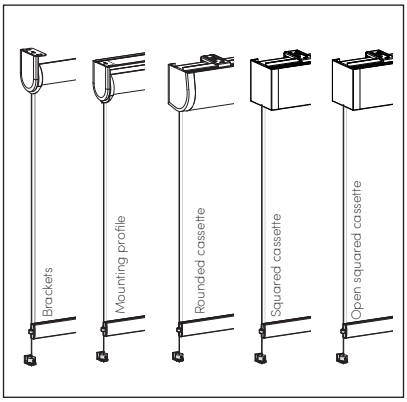
· Heavy visible hem bar

Guidance (tension cables) is compatible with:

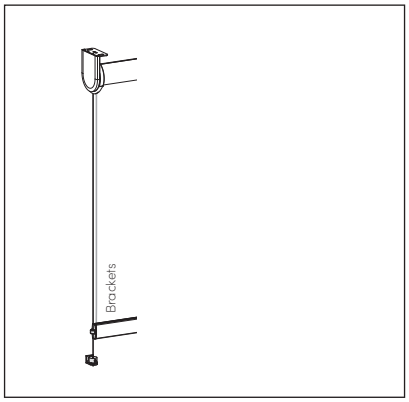
	brackets	mounting profile	rounded cassette	squared cassette	squared open cassette
Ø 38	✓	✓	✓	✓	✓
Ø 50	✓	✓	✓	✓	✓
Ø 65	✓				



Ø38



Ø50 230V

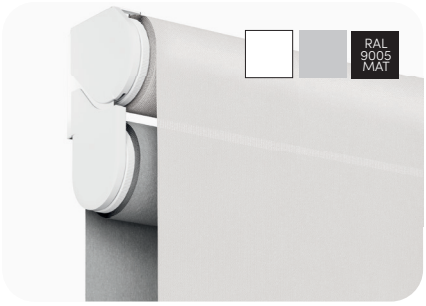


Ø65 230V

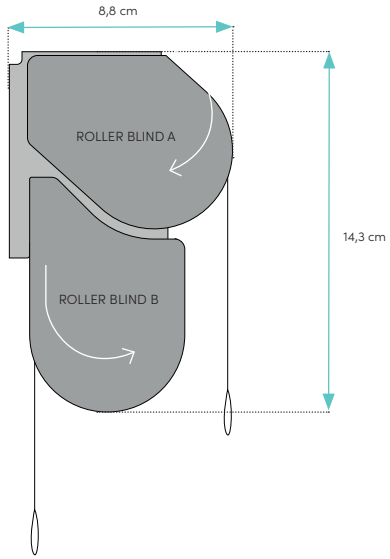
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h. Day and night system

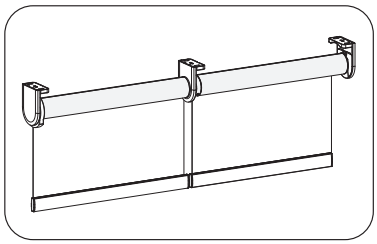
A specific support allows two roller blinds to be operated one above the other.
The fabric of **roller blind A** rolls in reverse direction, while the fabric of **roller blind B** rolls in normal direction.



Ø38 | Ø50 | 230V



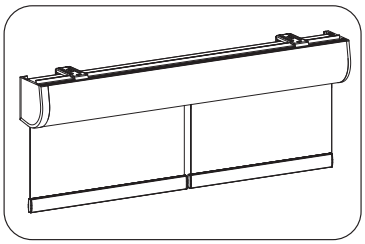
i. Coupling with single or double operation



Brackets Only Smart PVC brackets

Ø50 | Ø65 | Ø80

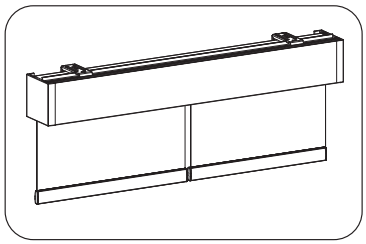
230V



Rounded cassette

Ø50

230V



Squared cassette

Ø50 | Ø65 | Ø80

230V

Open squared cassette

Ø50 | 230V

Koppelen is combineerbaar met:

	rounded cassette	squared cassette	open squared cassette
Ø 50	✓	✓	✓
Ø 65		✓	
Ø 80		✓	

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j. Possible combinations

	tube diameter	coupling	day and night	guidance
smart deco profile	38 mm		x	
	50 mm	x	x	
	65-80 mm	x		
mounting profile	38 mm			x
	50 mm			x
	65-80 mm			
rounded cassette	50 mm	x		x
squared cassette	50 mm	x		x
	65-80 mm	x		
open squared cassette	38 mm			
	50 mm	x		x

3. HEM BARS

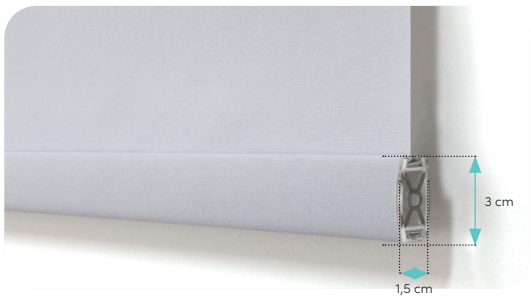
Pocket hem bar

- Standard
- Supplied as standard without end caps. Available with end caps upon request.



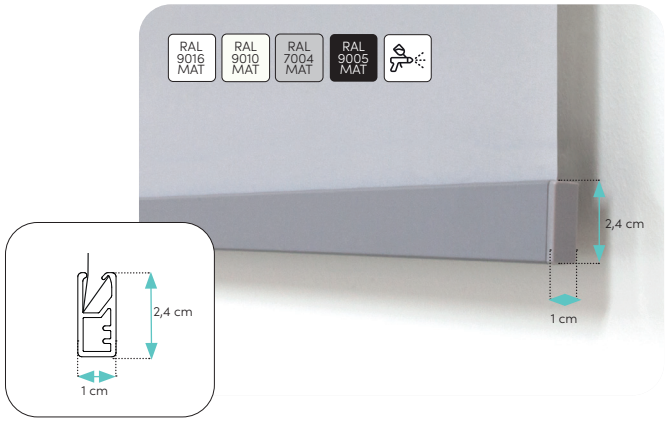
Wrapped hem bar

- Not compatible with screen fabrics.
- Limited to 300 cm width (250 cm for black-out fabrics).

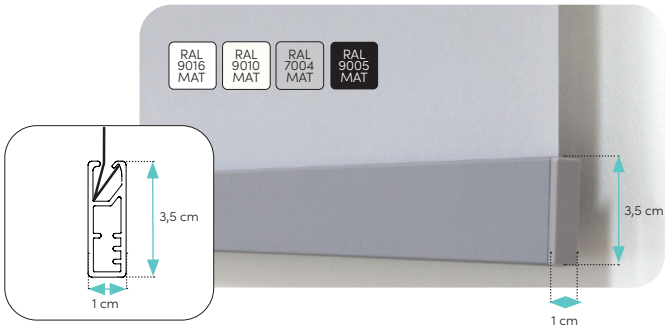


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Tiny visible hem bar



Trendy visible hem bar



Heavy visible hem bar

- Possible with Smart systems with guidance (tension cables).



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4. MINIMUM AND MAXIMUM DIMENSIONS

Smart type	Tube diameter	Minimum width (cm)	Maximum width (cm)	Maximum height (cm)	Surface (m^2)
Smart battery motor 25 mm	38 mm	30 mm	220	250	5
	50 mm	30 mm	300	350	5
Battery motor 35 mm	50 mm	30 mm	300	350	8
	65 mm	30 mm	360	420	10
	80 mm	30 mm	400	450	13
230V	50 mm	30 mm	300	350	8
	65 mm	30 mm	360	420	10
	80 mm	30 mm	400	450	13
Coupled – single operation – battery motor 35 mm	50 mm	30 mm	510	350	17
	65 mm	30 mm	610	420	17
	80 mm	30 mm	660	450	15
Coupled – single operation – 230V	50 mm	30 mm	510	350	20
	65 mm	30 mm	610	420	20
	80 mm	30 mm	660	450	20
Coupled – double operation – battery motor 35 mm	50 mm	30 mm	510	350	20
	65 mm	30 mm	610	420	20
	80 mm	30 mm	660	450	20
Coupled – double operation – 230V	50 mm	30 mm	510	350	20
	65 mm	30 mm	610	420	20
	80 mm	30 mm	660	450	20
Smart dim-out cassette system PLUS	50 mm	30 mm	290	300	70

- In combination with a cassette, the maximum height is 420 cm instead of 450 cm.
- One section may never exceed the limits of a single roller blind.
- Smart cassette: maximum width 450 cm.

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