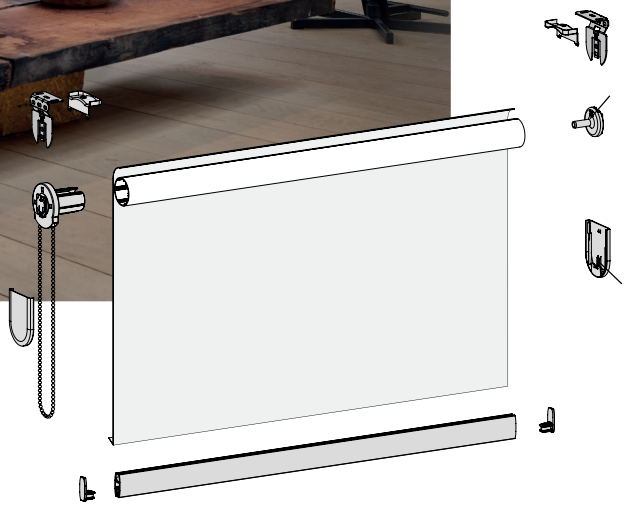
TECHNICAL DATA SHEET

Smart Roller Blinds

MANUAL





DIAZ | SUNPROTECTION

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1. GENERAL

Smart roller blinds are a popular window covering solution thanks to their ease of operation, versatility and aesthetic appearance.
They consist of a reinforced aluminium tube ranging from Ø28 mm to Ø80 mm. The tube diameter depends on the dimensions, surface area and type of fabric. The fabric is fixed to the tube using a high-quality adhesive tape.

The metal brackets are lacquered and equipped with PVC or metal covers in matching colours to conceal the screws. The blinds can be mounted inside the windows opening (ceiling) or outside the window opening (wall).

The fabric can be finished with different types of hem bars, either visible or concealed.

If desired, the tube can be hidden using various cassette systems.

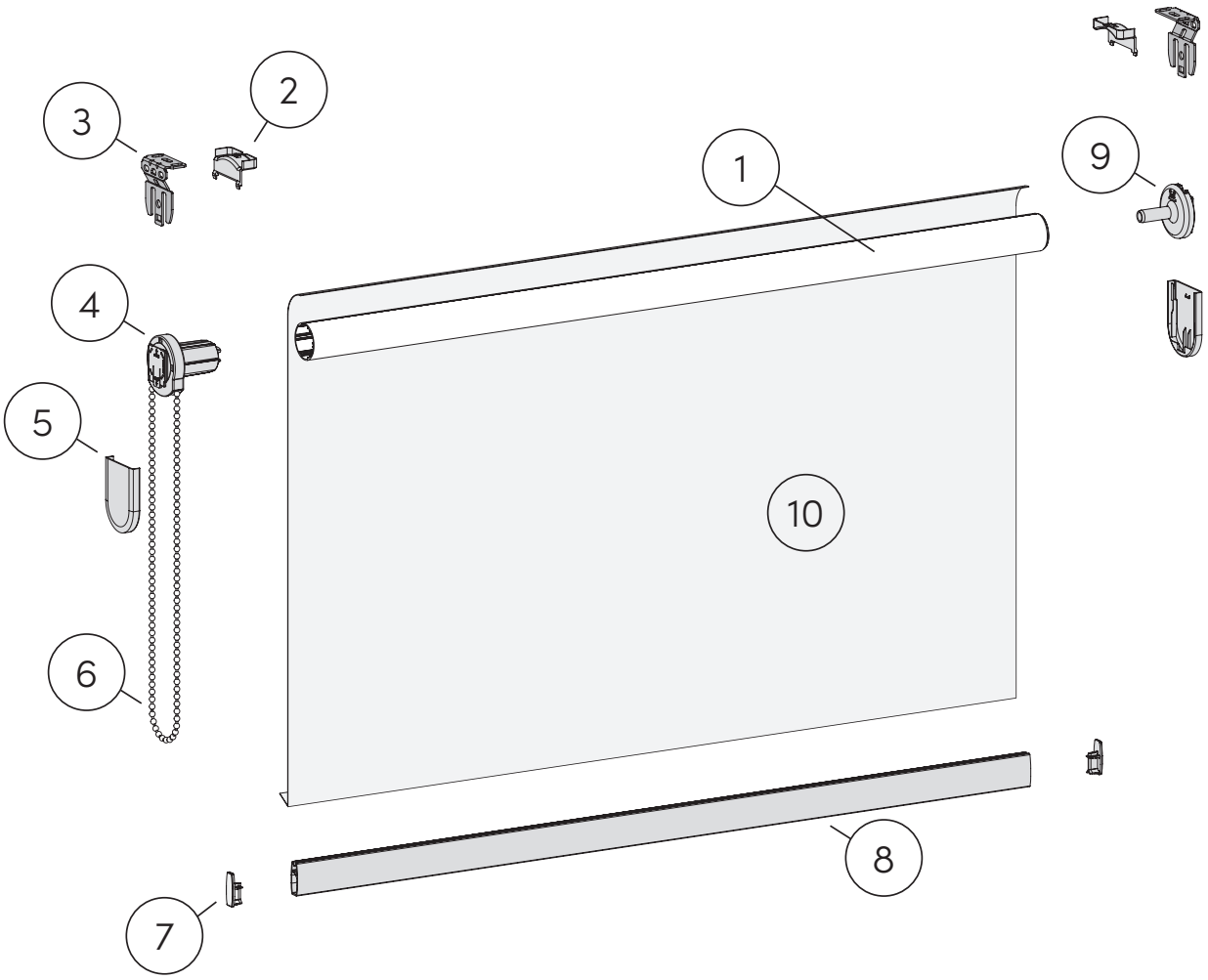




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2. SPECIFICATIONS

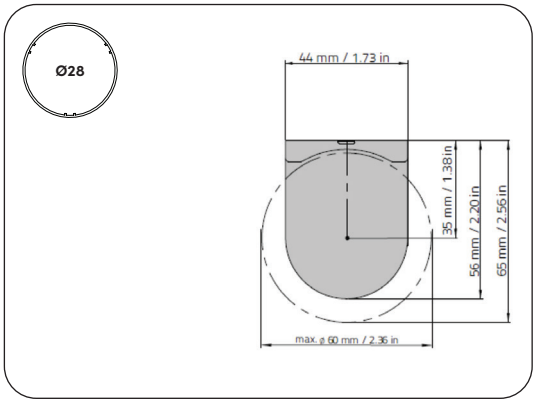
Parts

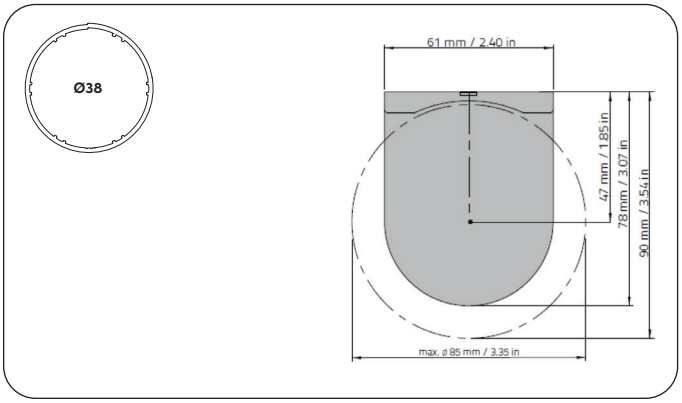


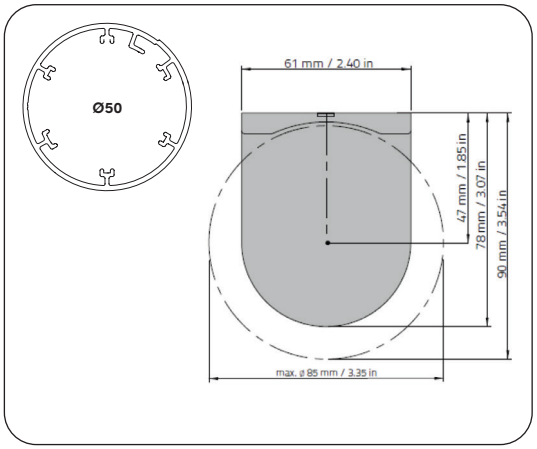
1	Tube	6	Chain
2	End cap screws	7	End cap
3	Metal bracket	8	Hem bar
4	Operation	9	Bearing pin
5	Cover	10	Fabric

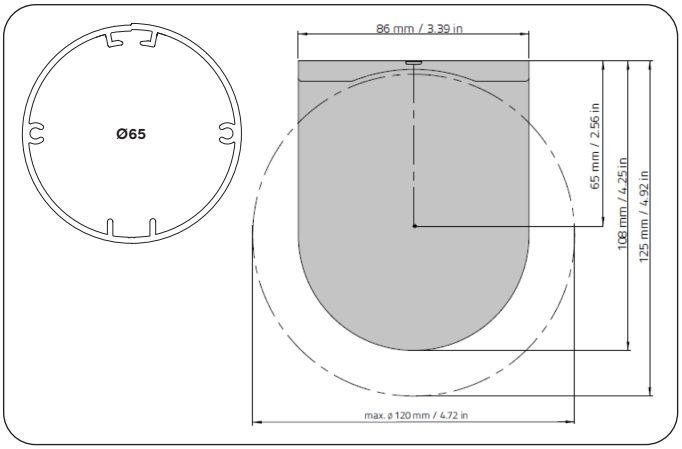
The information provided and the specified dimensions are purely indicative and may be subject to change without prior notice. Printing errors cannot give rise to any liability.

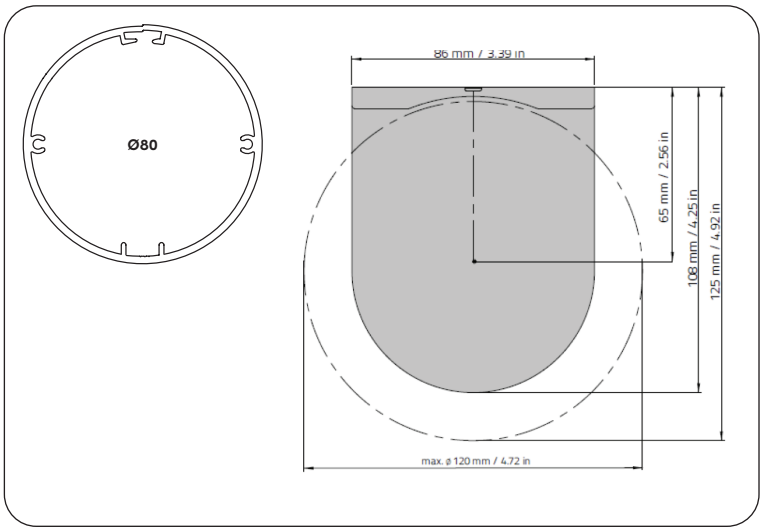
Tube diameters







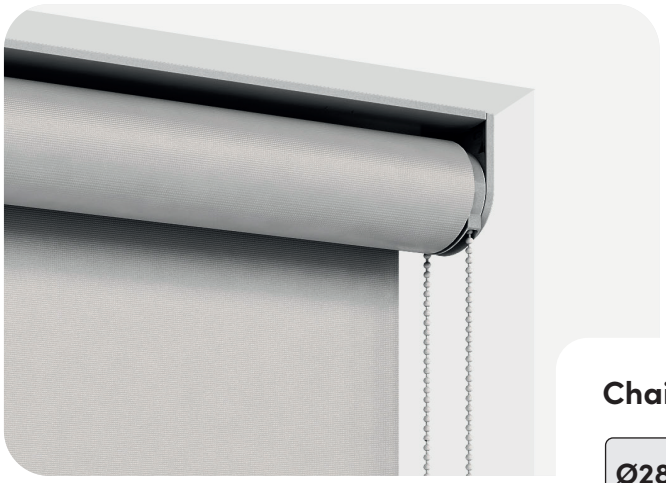




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Operation

Types of operation



Chain operation

Ø28 Ø38 Ø50 Ø65 Ø80

This system is operated with a chain.



Rod operation

ALU

Ø65 Ø80

- Rod with trumpet control
- Available heights: 140 / 160 / 180 / 200 / 220 cm
- Colour: aluminium

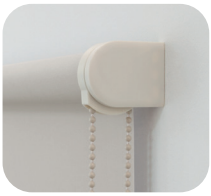
⚠ Rod operation is only recommended if the specifications do not allow any alternative solution.

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Bracket colours

Standard colours


pvc white


pvc beige


pvc light grey


pvc anthracite


pvc dark brown


pvc black

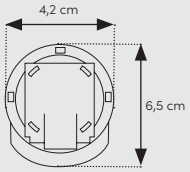
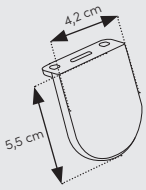
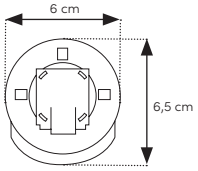
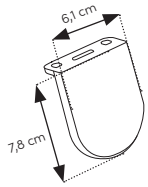
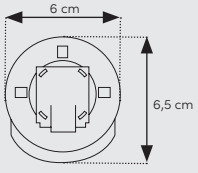
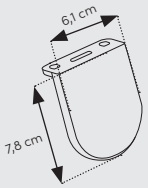
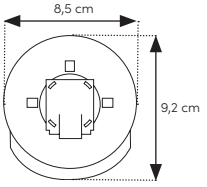
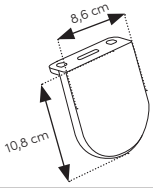
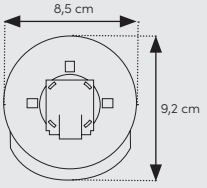
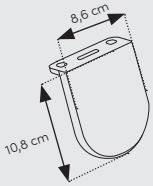

metal white


metal champagne


metal silver

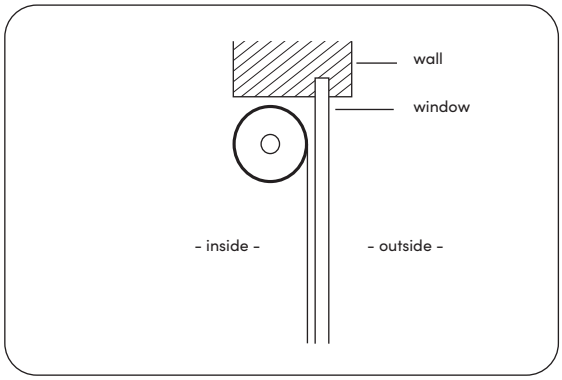

metal carbon

Bracket dimensions

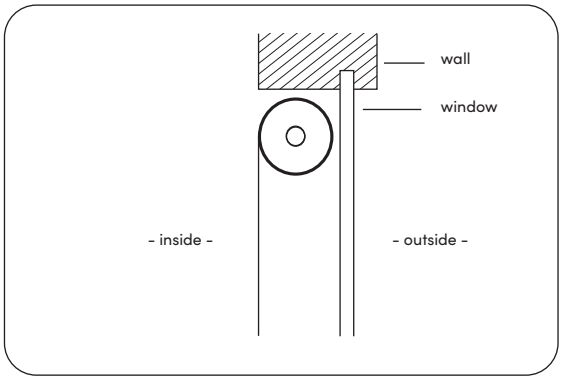
tube Ø	operation	bracket
Ø 28		
Ø 38		
Ø 50		
Ø 65		
Ø 80		

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Rolling direction



Normal rolling

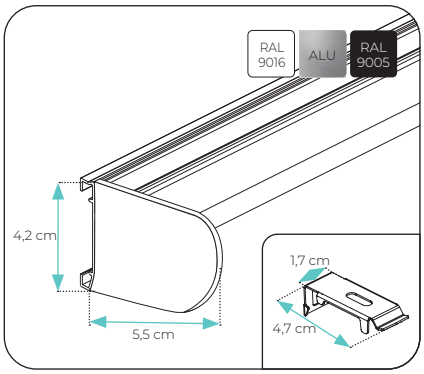


Reverse rolling

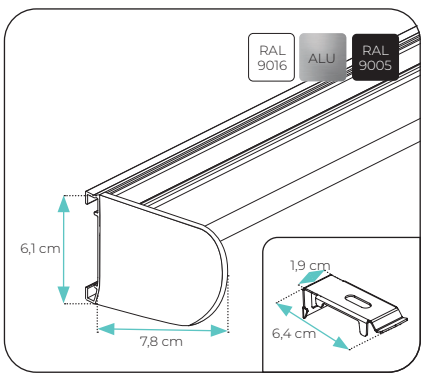
Options

a. Mounting profile

The mounting profile is fixed with clips.



Ø28



Ø38 **Ø50**

Mounting profile is compatible with :

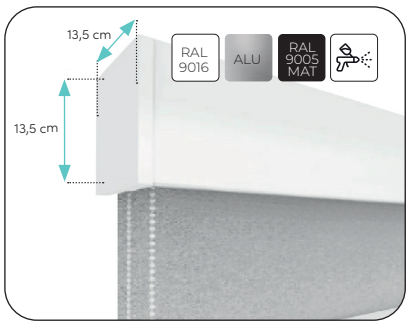
	guidance (tension cables)
Ø 28	
Ø 38	✓
Ø 50	✓

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b. Smart deco profile



Ø38 Ø50



Ø65 Ø80 day & night

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.

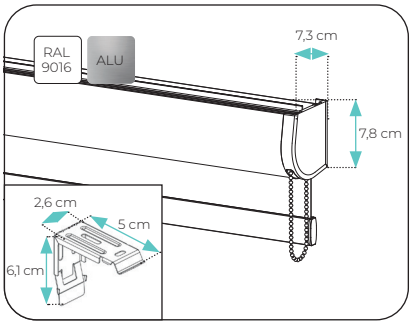
***Mounting outside the window opening:** we supply a profile including end caps.*

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

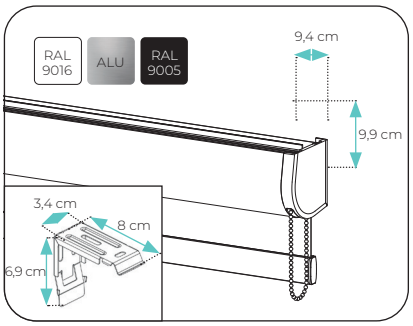
⚠ Are you looking for roller blinds with a concealed tube, while ensuring easy installation? Then we recommend choosing a Smart Deco Profile.

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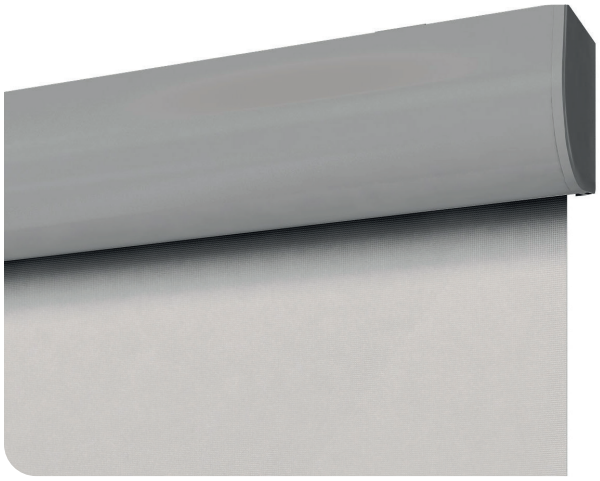
c. Rounded cassette



Ø28



Ø38 Ø50

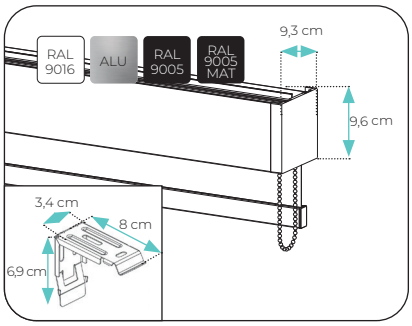


Rounded cassette system is compatible with:

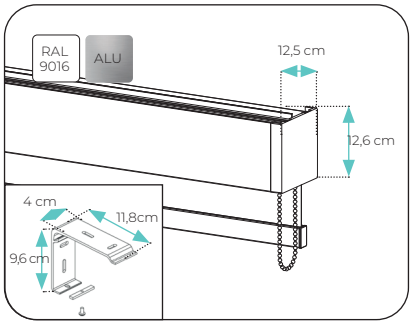
	guidance (tension cables)	coupling
Ø 28	✓	
Ø 38	✓	
Ø 50	✓	✓

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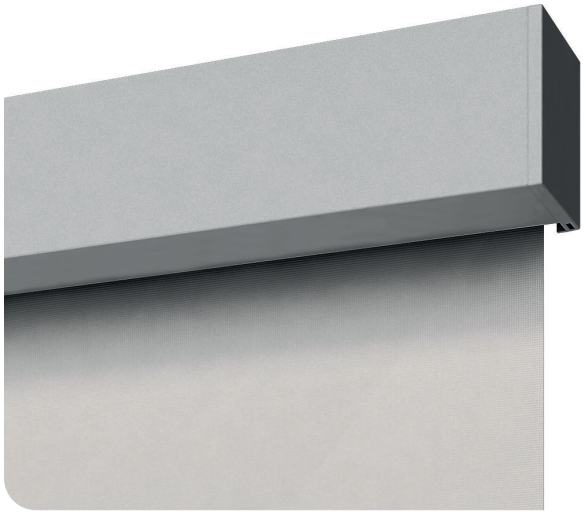
d. Squared cassette



Ø38 Ø50



Ø65 Ø80

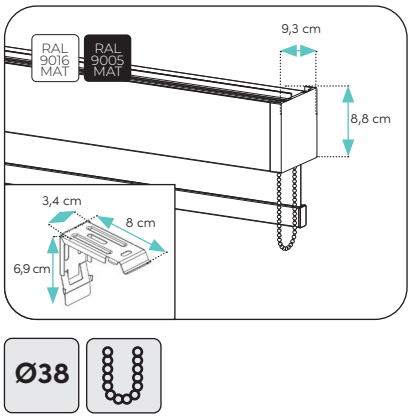


Squared cassette system is compatible with:

	guidance (tension cables)	coupling
Ø 38	✓	
Ø 50	✓	✓
Ø 65		✓
Ø 80		✓

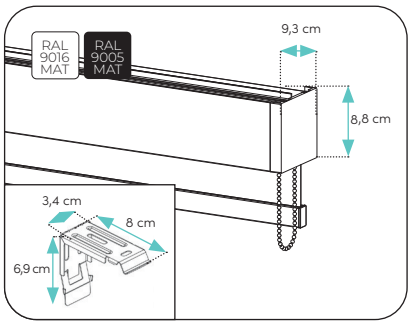
The information provided and the specified dimensions are purely indicative and may be subject to change without prior notice. Printing errors cannot give rise to any liability.

e. Open squared cassette



Ø38





Ø50

Open squared cassette system is compatible with:

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

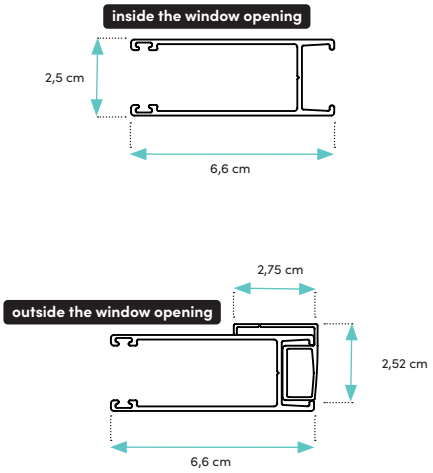
⚠ Roller blinds with cassettes are only recommended if the specifications do not allow any alternative solution.

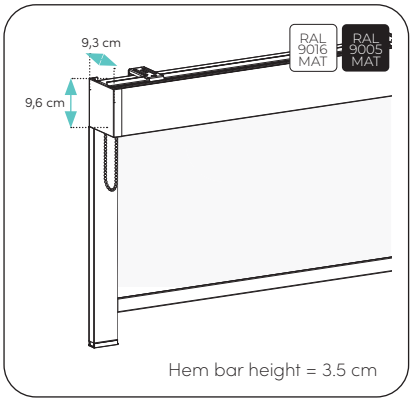
The information provided and the specified dimensions are purely indicative and may be subject to change without prior notice. Printing errors cannot give rise to any liability.

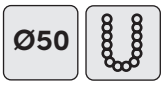
f. Dim-out blind system PLUS with side guides



- 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

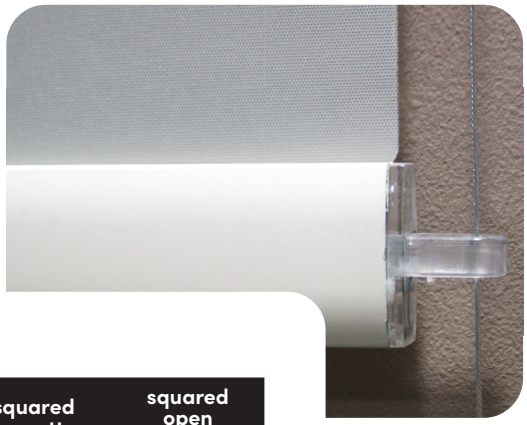






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g. Guidance with tension cables

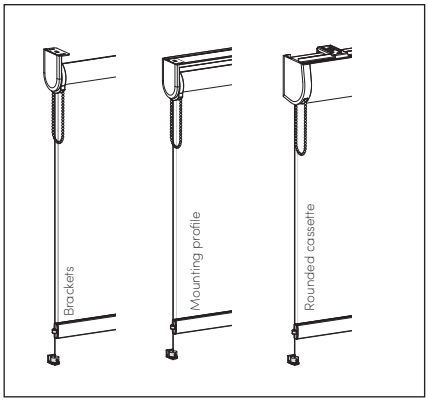


Possible hem bars:

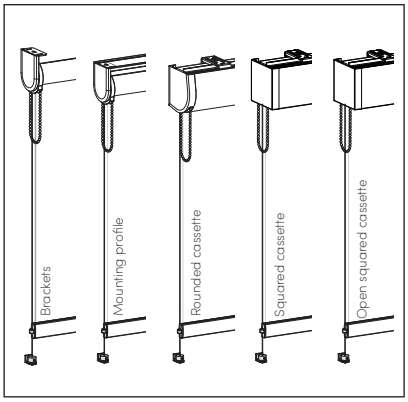
· Heavy visible hem bar

Guidance (tension cables) is compatible with:

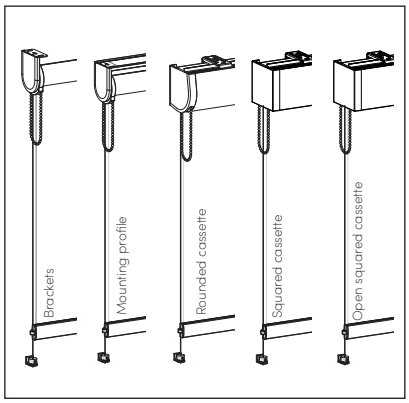
	brackets	mounting profile	rounded cassette	squared cassette	squared open cassette
Ø 28	✓		✓		
Ø 38	✓	✓	✓	✓	✓
Ø 50	✓	✓	✓	✓	✓
Ø 65	✓				



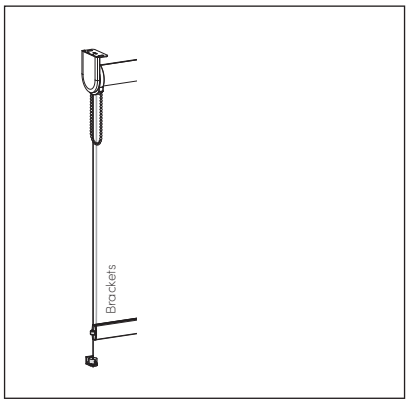
Ø28



Ø38



Ø50

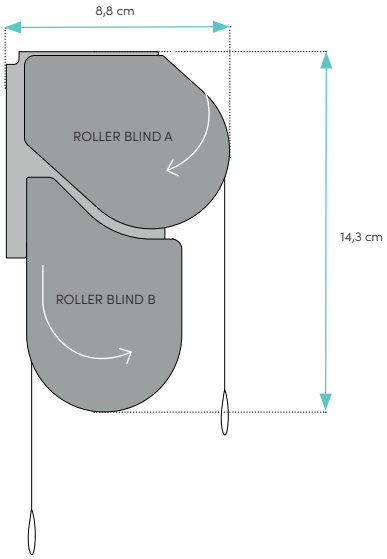


Ø65

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h. Day and night system

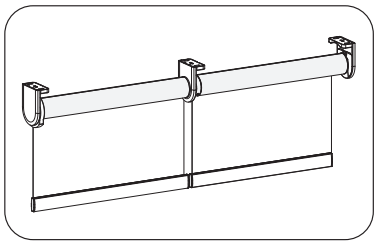
A specific support allows two roller blinds to be operated one above the other.
The fabric of **roller blind A** rolls in reverse direction, while the fabric of **roller blind B** rolls in normal direction.





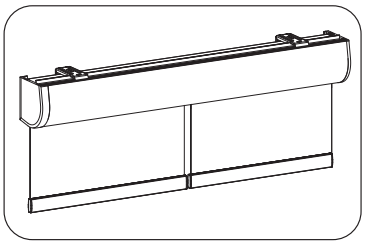
Ø38 Ø50

i. Coupling with single or double operation



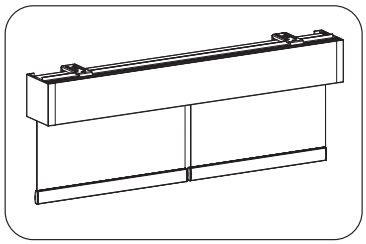
Brackets Only Smart PVC brackets

Ø50 Ø65 Ø80



Rounded cassette

Ø50



Squared cassette

Ø50 Ø65 Ø80

Open squared cassette

Ø50

Coupling is compatible with:

	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	28 mm			
	38 mm		x	
	50 mm	x	x	
	65-80 mm	x		
mounting profile	28 mm			
	38 mm			x
	50 mm			x
	65-80 mm			
rounded cassette	28 mm			x
	38 mm			x
	50 mm	x		x
	65-80 mm			
squared cassette	28 mm			
	38 mm			x
	50 mm	x		x
	65-80 mm	x		
open squared cassette	28 mm			
	38 mm			x
	50 mm	x		x
	65-80 mm			

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3. HEM BARS

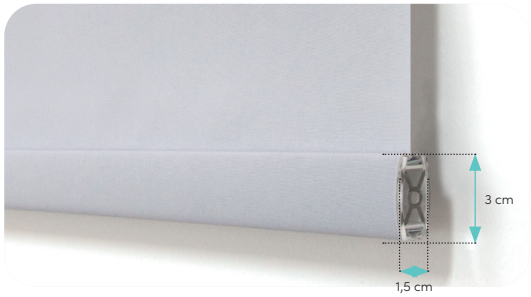
Pocket hem bar

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

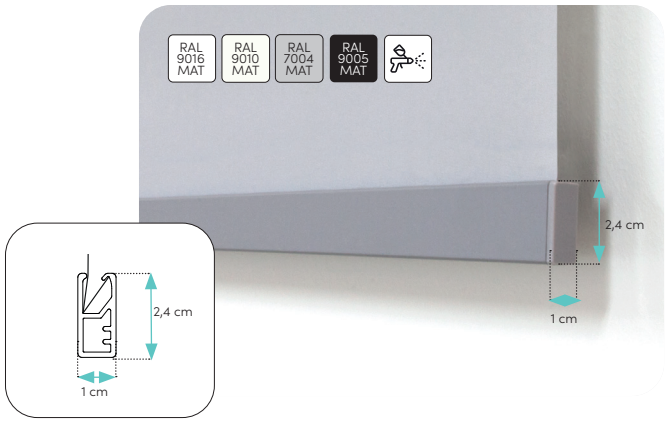


Wrapped hem bar

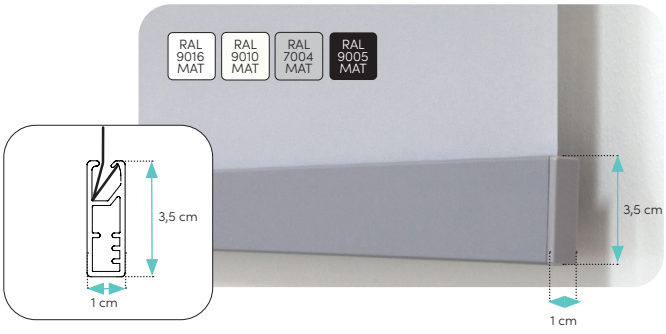
- Not compatible with screen fabrics.
- Limited to 300 cm width (250 cm for black-out fabrics).



Tiny visible hem bar



Trendy visible hem bar



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.

Heavy visible hem bar

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



4. MINIMUM AND MAXIMUM DIMENSIONS

Smart type	Tube diameter	Minimum width (cm)	Maximum width (cm)	Maximum height (cm)	Surface (m^2)
Smart manual	28 mm	30 mm	170	200	4
	38 mm	30 mm	250	300	5,5
	50 mm	30 mm	300	350	8
	65 mm	30 mm	360	420	10
	80 mm	30 mm	400	450	10
Smart coupled – single operation	50 mm	30 mm	450	350	10
	65 mm	30 mm	540	420	10
	80 mm	30 mm	600	450	8,5
Smart coupled – double operation	50 mm	30 mm	510	350	18
	65 mm	30 mm	610	420	18
	80 mm	30 mm	660	450	18
Smart dim-out cassette system PLUS	50 mm	30 mm	290	300	7

- Tube Ø28 mm is not compatible with screen fabrics.
- 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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