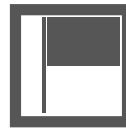


## Summary of types

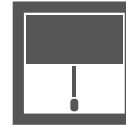
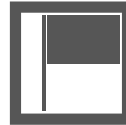
### 1. MINI ROLLER BLIND

- Operation:
- Chain



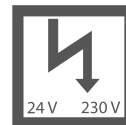
### 2. MIDI ROLLER BLIND

- Operation:
- Center pull
  - Chain
  - Motor



### 3. MEDIUM ROLLER BLIND

- Operation:
- Chain
  - Motor



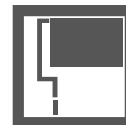
### 4. MEDIUM ROLLER BLIND PLUS

- Operation:
- Chain
  - Crank
  - Motor



### 5. MAXI ROLLER BLIND

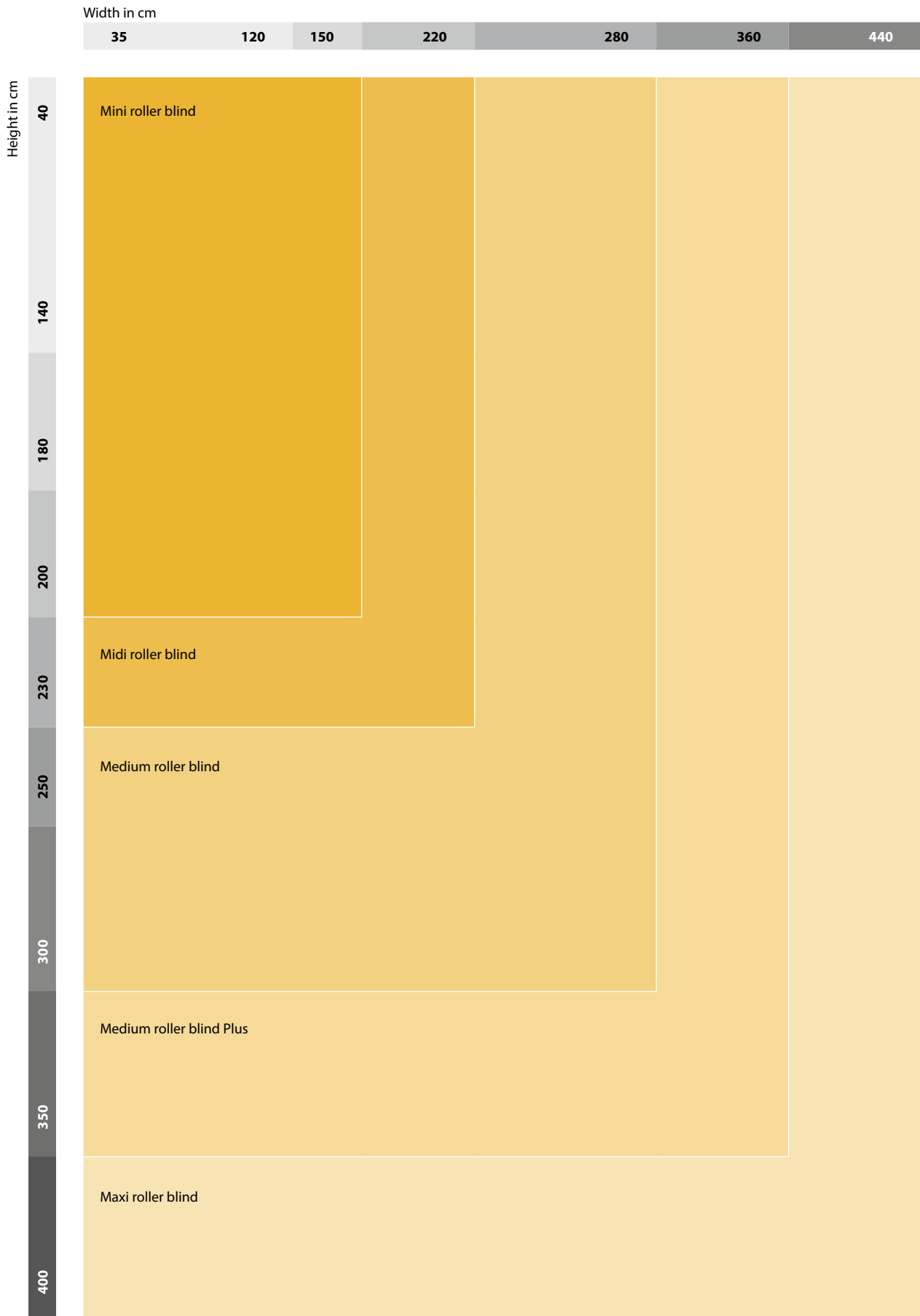
- Operation:
- Chain
  - Crank
  - Motor



# Range of sizes

Roller blinds

## Range of sizes





# Range of sizes

## Roller blinds

Name	Colour number	Fabric thickness (mm)	Seam	Bale width (cm)	Mini roller blind	Midi roller blind			Medium roller blind		Medium roller blind Plus		Maxi roller blind	eROLLO	
					Cassette	Basis	Bracket profile	Cassette	Basis   Bracket profile	Cassette	Basis   Bracket profile	Cassette   Cover	Basis   Cassette	Bracket profile   Design	Cassette
					max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)	max. size (W × H in cm)
lugano	010.xx	0,34		300	150 × 200	220 × 230	220 × 230	220 × 230	280 × 280	280 × 280	360 × 280	360 × 2800	440 × 280	300 × 280	250 × 280
seoul 99-LowE	020.xx	0,32	•	177	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300* × 300**	250* × 280**
brüssel	040.xx	0,30	•	245	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300* × 300**	250* × 280**
seoul 99-activ	046.xx	0,32	•	177	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300* × 300**	250* × 280**
tokio OF1	086.xx	0,68		250	–	220 × 230	220 × 230	220 × 200	240 × 250	240 × 250	240 × 350	240 × 300	240 × 350	240 × 300	240 × 280
tokio OF5	089.xx	0,55		250	–	220 × 230	220 × 230	220 × 210	240 × 250	240 × 250	240 × 350	240 × 300	240 × 350	240 × 300	240 × 280
ottawa	096.xx	0,43	•	310	150 × 180	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300 × 300	250 × 280
london	124.xx	0,30	•	245	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300* × 300**	250* × 280**
madrid	140.xx	0,35	•	218	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 350	300* × 300**	250* × 280**
sevilla	153.xx	0,34	•	290	150 × 200	200 × 230	200 × 230	200 × 230	200 × 250	200 × 250	200 × 250	200 × 250	200 × 250	200 × 250	200 × 250
calgary	154.xx	0,51	•	310	150 × 170	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 300	360 × 300	440 × 400	300 × 300	250 × 280
miami	160.xx	0,17		230	150 × 200	220 × 230	220 × 230	220 × 230	280* × 300**	280* × 300**	360* × 350**	360* × 350**	400* × 380**	300* × 300**	250* × 280**
new-port	161.xx	0,44		240	150 × 180	220 × 230	220 × 230	220 × 230	280* × 280**	280* × 280**	360* × 300**	360* × 300**	400* × 300**	300* × 300**	250* × 280**
askim	171.xx	0,16		230	150 × 200	220 × 230	220 × 230	220 × 230	280* × 300**	280* × 300**	360* × 350**	360* × 350**	400* × 380**	300* × 300**	250* × 280**
lincoln	202.xx	0,31	•	200	150 × 170	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	400 × 350	300* × 300**	250* × 280**
riga	210.xx	0,24	•	245	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	420 × 400	300* × 300**	250* × 280**
oslo	211.xx	0,40	•	240	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	420 × 400	300* × 300**	250* × 280**
tokio OF3	216.xx	0,58		250	–	220 × 230	220 × 220	220 × 190	240 × 250	240 × 250	240 × 350	240 × 300	240 × 350	240 × 300	240 × 280
movie	224.xx	0,31		310/240	–	220 × 230	220 × 230	220 × 200	250 × 250	250 × 250	250 × 250	250 × 250	305 × 280	210 × 280	210 × 280
dayton	227.xx	0,57		230	–	220 × 230	220 × 220	220 × 190	280* × 260**	280* × 240**	360* × 300**	360* × 280**	400* × 350**	300* × 300**	250* × 280**
seoul 99	228.xx	0,32	•	270	150 × 200	220 × 230	220 × 230	220 × 230	280 × 300	280 × 300	360 × 350	360 × 350	440 × 400	300* × 300**	250* × 280**

\* only if height 20 cm less than bale width    \*\* only if width 5 cm less than bale width

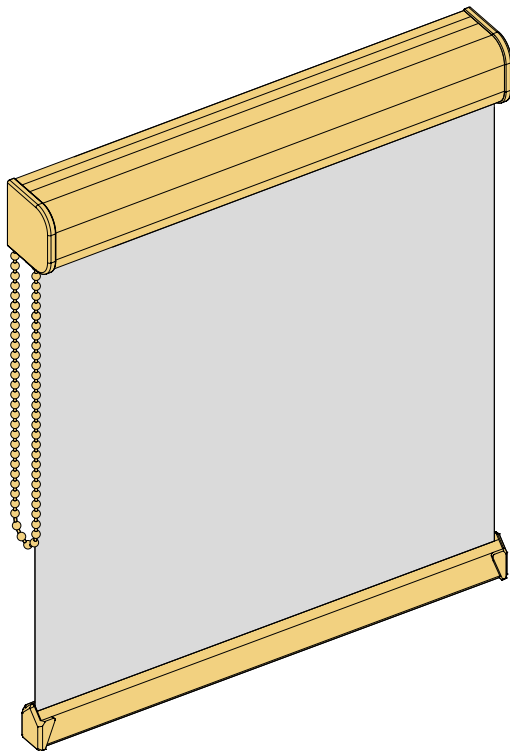
# Range of sizes

## Roller blinds

Name	Colour number	Fabric thickness (mm)	Seam	Bale width (cm)	Mini roller blind	Midi roller blind			Medium roller blind		Medium roller blind Plus		Maxi roller blind	eROLLO	
					Cassette	Basis	Bracket profile	Cassette	Basis   Bracket profile	Cassette	Basis   Bracket profile	Cassette   Cover	Basis   Cassette	Bracket profile   Design	Cassette
					max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)	max. size (W x H in cm)
denver	331.xx	0,45	•	230	150 x 180	220 x 230	220 x 230	220 x 230	280 x 280	280 x 280	360 x 300	360 x 300	400 x 380	300* x 300**	250* x 280**
dublin	420.xx	0,50		240	150 x 150	220 x 230	220 x 230	220 x 220	260* x 280**	260* x 280**	350* x 280**	350* x 280**	350* x 280**	300* x 300**	250* x 280**
newark	425.xx	0,37		240	150 x 180	220 x 230	220 x 230	220 x 230	230 x 300	230 x 300	230 x 350	230 x 350	230 x 380	230 x 300	230 x 280
houston	451.xx	0,40		240	150 x 190	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	400* x 380**	300* x 300**	250* x 280**
arbon	452.xx	0,50		300	150 x 150	220 x 230	220 x 230	220 x 230	260 x 280	260 x 280	290 x 350	290 x 350	290 x 350	295 x 300	250 x 280
chicago	460.xx	0,47		240	150 x 170	220 x 230	220 x 230	220 x 230	230 x 280	230 x 280	230 x 300	230 x 300	230 x 300	230 x 300	230 x 280
hamp-ton	461.xx	0,45		260	150 x 170	220 x 230	220 x 230	220 x 230	230 x 280	230 x 280	230 x 300	230 x 300	230 x 300	230 x 300	230 x 280
boston	482.xx	0,40		240	150 x 190	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	400* x 380**	300* x 300**	250* x 280**
tunis	493.xx	0,43		240	150 x 180	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	400* x 380**	300* x 300**	250* x 280**
wien	494.xx	0,18		230	150 x 200	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	400* x 380**	300* x 300**	250* x 280**
cannes	602.xx	0,23		240	150 x 200	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	440* x 400**	300* x 300**	250* x 280**
nancy	630.xx	0,21		240	150 x 200	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	400* x 380**	300* x 300**	250* x 280**
detroit OF1	639.xx	0,61	•	238	-	220 x 230	220 x 230	220 x 200	280 x 250	280 x 250	360 x 300	360 x 300	440 x 350	300* x 300**	250* x 280**
detroit OF5	640.xx	0,46	•	238	150 x 150	220 x 230	220 x 230	220 x 230	280 x 250	280 x 250	360 x 300	360 x 300	440 x 350	300* x 300**	250* x 280**
detroit OF3	641.xx	0,48	•	238	150 x 150	220 x 230	220 x 230	220 x 230	280 x 250	280 x 250	360 x 300	360 x 300	440 x 350	300* x 300**	250* x 280**
córdoba	851.xx	0,41		270	150 x 190	220 x 230	220 x 230	220 x 230	280* x 300**	280* x 300**	360* x 350**	360* x 350**	440* x 400**	300* x 300**	250 x 280
oxford	852.xx	0,45		300	150 x 180	220 x 230	220 x 230	220 x 230	280 x 280	280 x 280	360* x 300**	360* x 300**	400* x 350**	300* x 300**	250 x 280
leeds	853.xx	0,47		240	150 x 180	220 x 230	220 x 230	220 x 230	280* x 280**	280* x 280**	360* x 300**	360* x 300**	400* x 350**	300* x 300**	250* x 280**
genf	900.xx	0,11		152	150 x 200	220* x 230**	220* x 230**	220* x 230**	280* x 300**	280* x 300**	360* x 300**	360* x 300**	400* x 300**	300* x 300**	250* x 280**
davos	901.xx	0,11		152	145 x 160	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	-	-
gela	903.xx	0,11		152	145 x 160	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	145 x 200	-	-

\* only if height 20 cm less than bale width    \*\* only if width 5 cm less than bale width

## Mini roller blind **Cassette**



- Customization
- Cassette roller blind with easy-to-fit two-part cassette profile
- Aluminium shaft: Ø 20 mm
- Cover caps and end caps in white, grey or black
- Operating side right or left possible
- Operating elements in transparent, white, grey, black or nickel
- Powder-coated aluminium cassette and end profile (white RAL 9016, grey RAL 9006 or black RAL 9005)
- Screw mounting (optionally with acrylate adhesive tape upon request)
- Side guiding (Tensioning wire and profile guidance) available

### RANGE OF SIZES

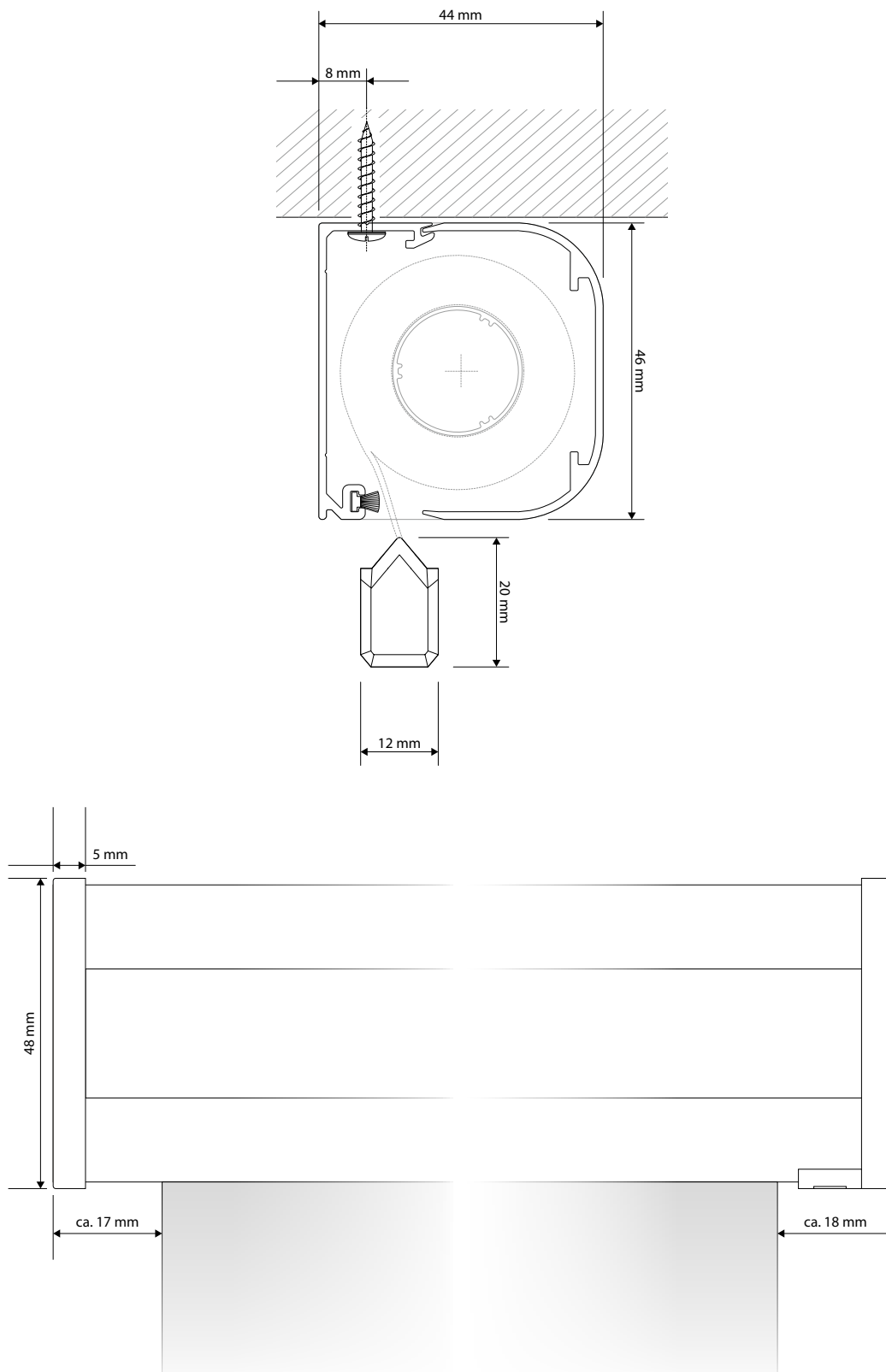
<b>Min. width</b>	40 cm
<b>Max. width</b>	150 cm*
<b>Max. height</b>	200 cm*
<b>Max. area</b>	ca. 3 m <sup>2</sup>

\* depending on fabric

# Mini roller blind

Roller blinds

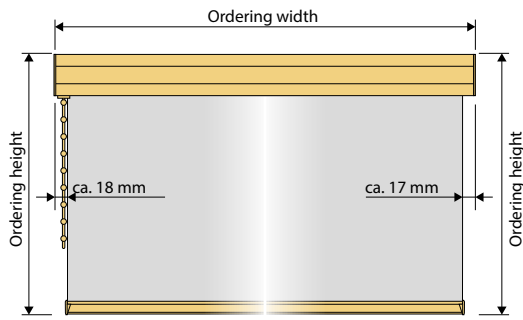
## Mini roller blind - cassette - ceiling fixation Scale 1:1



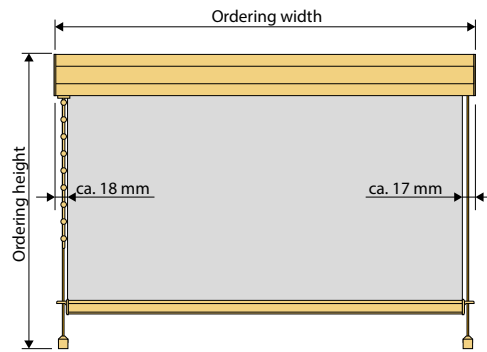
SCALE 1:1

## Site measuring Mini roller blind - cassette

Site measuring

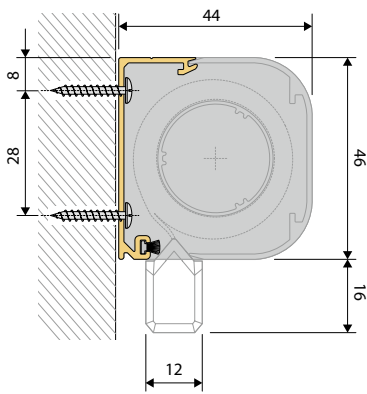


Rope guidance

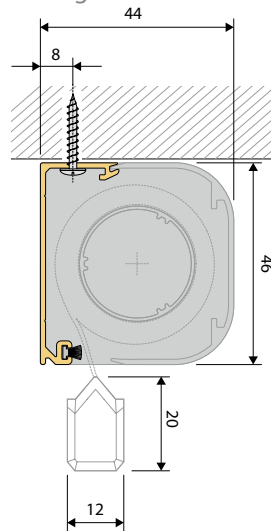


## Assembly types Mini roller blind - cassette

Wall fixation



Ceiling fixation

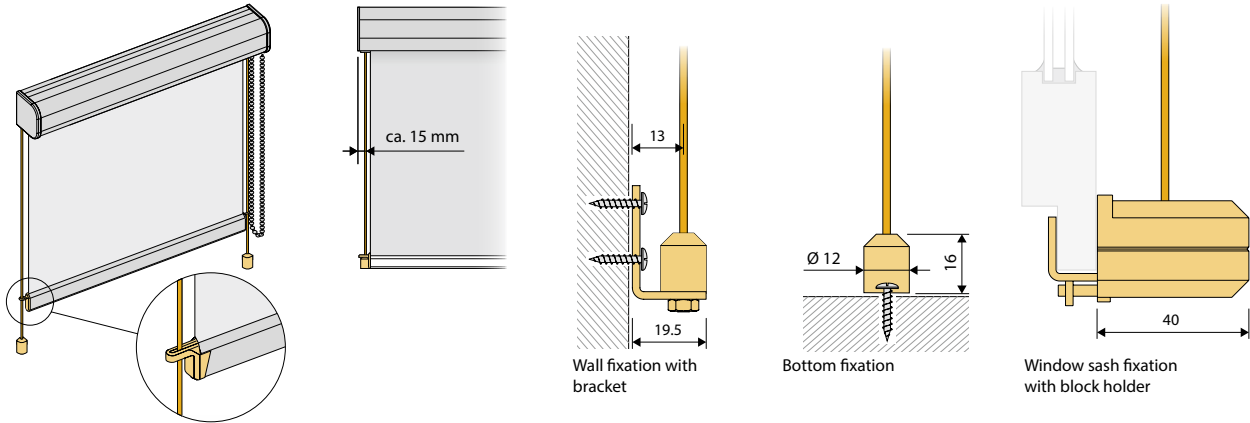


# Mini roller blind

Roller blinds

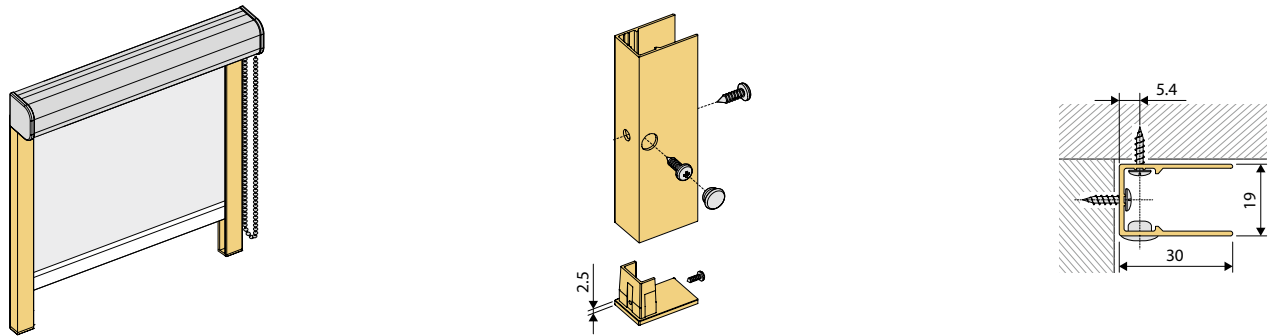
## Side guidance, closing profile Mini roller blind - cassette

### Rope guidance



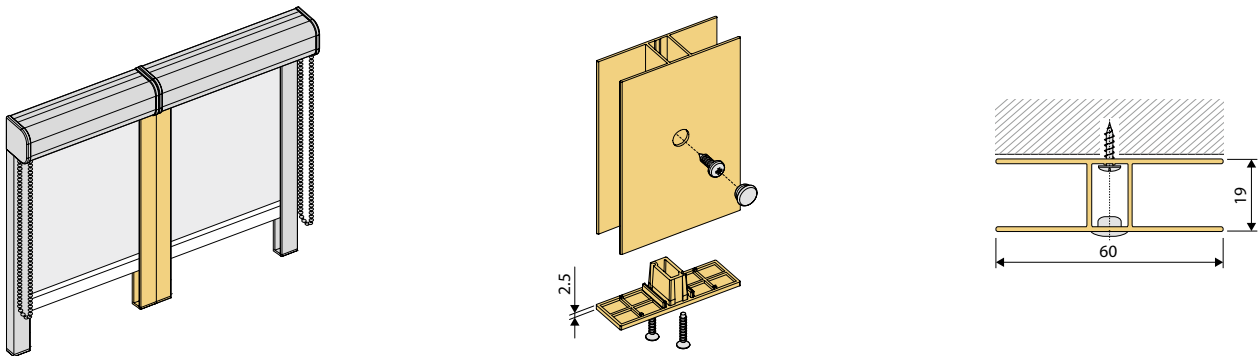
### Profile guidance

Predrilling of profiles offered for an extra charge



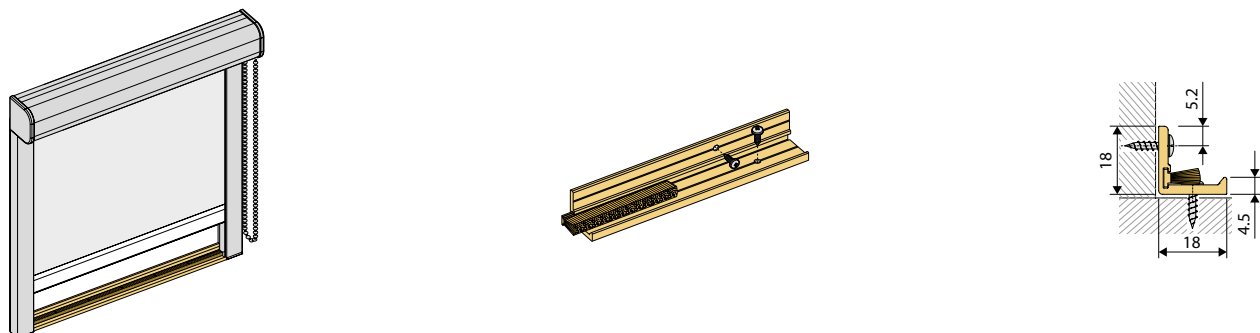
### Central profile

Predrilling of profiles offered for an extra charge

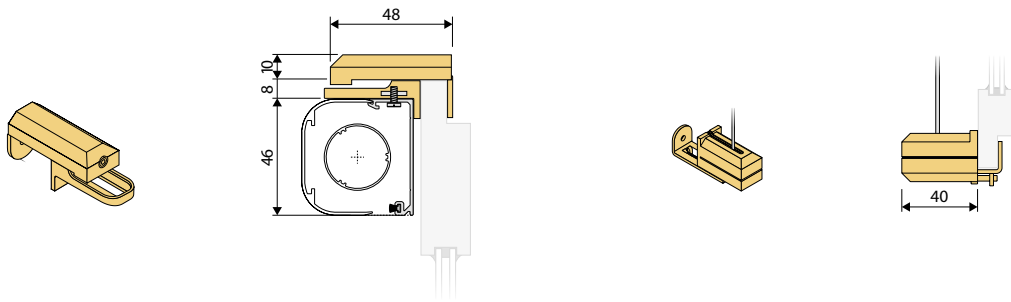


### Closing profile

Predrilling of profiles offered for an extra charge



## Parts Mini roller blind - cassette



### Block holder with sliding nut

Clamping range 5-35 mm, for cassette, made of synthetic-metal, available in white-white, grey-grey, black-black

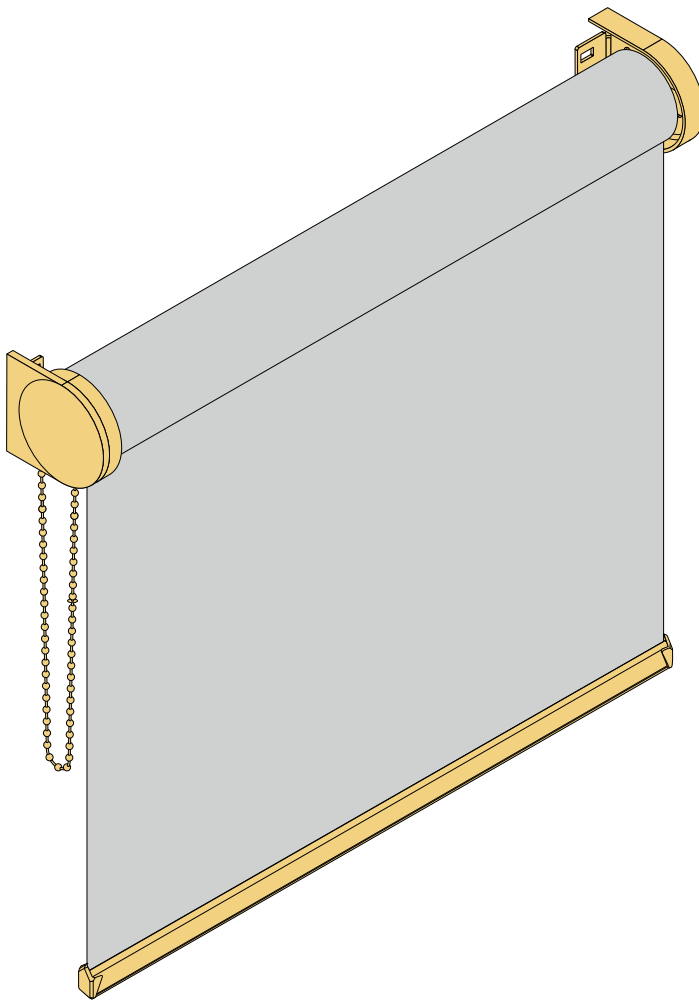
### Block holder for rope guidance

Clamping range 5-35 mm, for cassette, made of synthetic-metal, available in white-silver, grey-silver, black-silver





## Midi roller blind Basis



- Customization
- Roller blind for holder fixation
- Aluminium shaft:  
to 170 cm width Ø 29 mm,  
from 170 cm width Ø 38 mm
- Cover caps in white, grey or black
- Operating side right or left possible
- Operating elements in transparent, white,  
grey, black or nickel
- Powder-coated aluminium end profile  
(white RAL 9016,  
grey RAL 9006 or black RAL 9005)
- Holder fixation
- Side guiding not for centre pull (rope  
guidance)
- Spring-loaded counter bearing for slight  
width compensation (+/- 5mm)

### RANGE OF SIZES

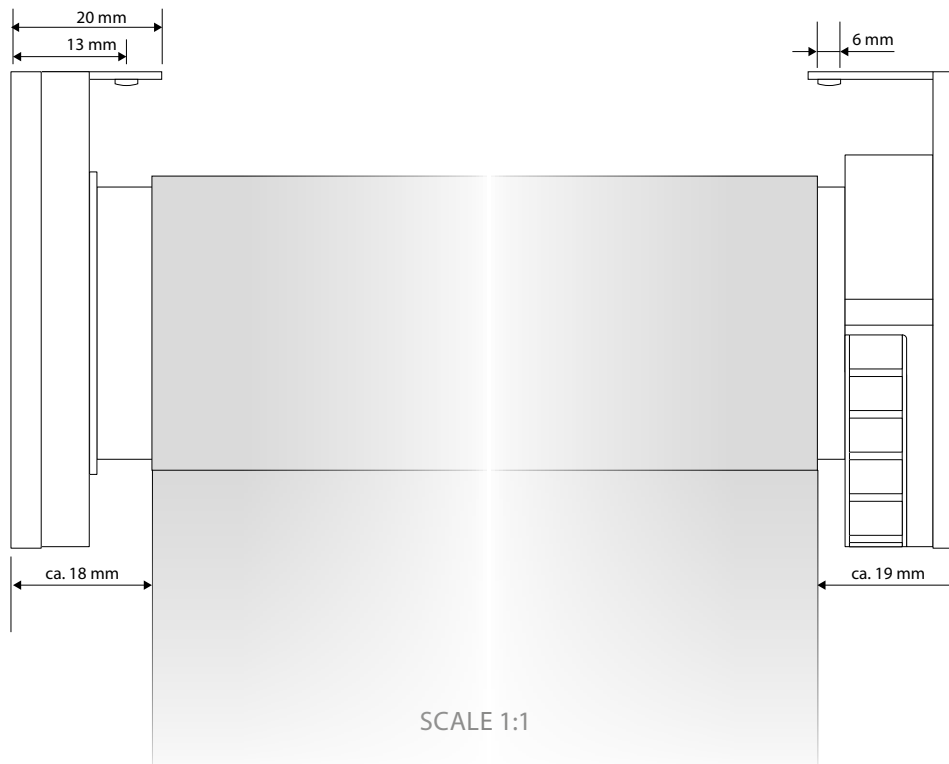
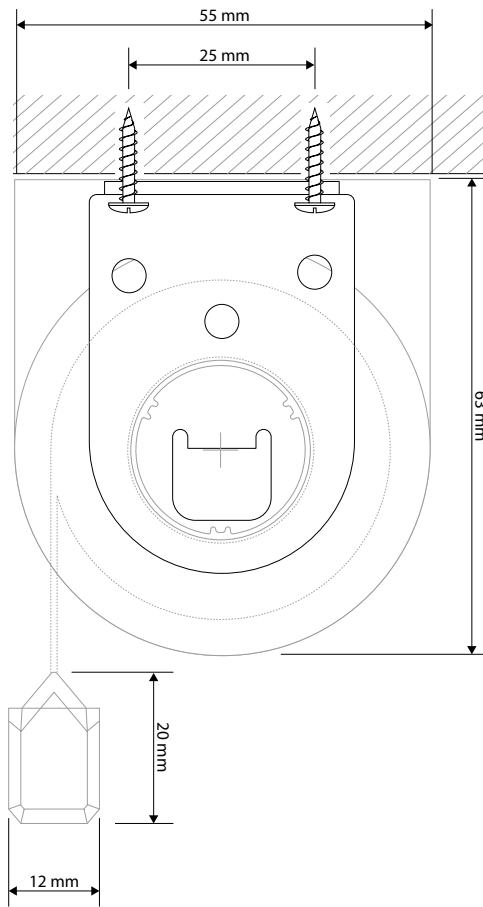
<b>Min. width</b>	40 cm
<b>Max. width</b>	220 cm*
<b>Max. height</b>	230 cm*
<b>Max. area</b>	ca. 5 m <sup>2</sup>

\* depending on fabric

# Midi roller blind

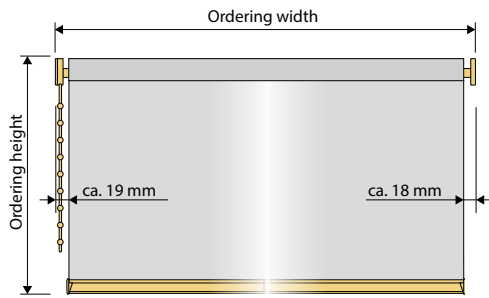
Roller blinds

## Midi roller blind Basis - ceiling fixation Scale 1:1

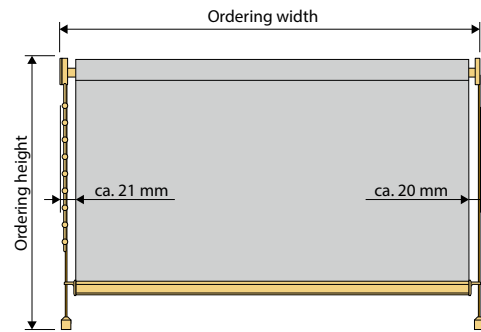


## Site measuring Midi roller blind Basis

Site measuring and fabric deduction

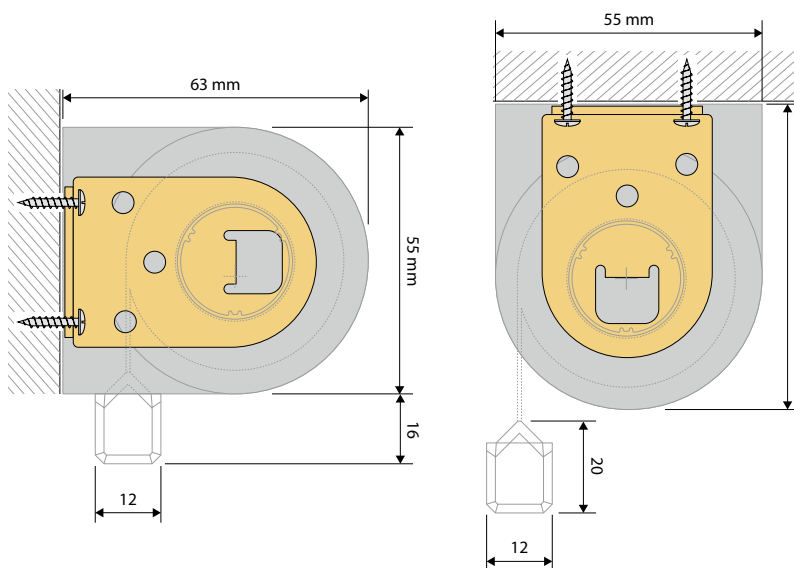


Rope guidance

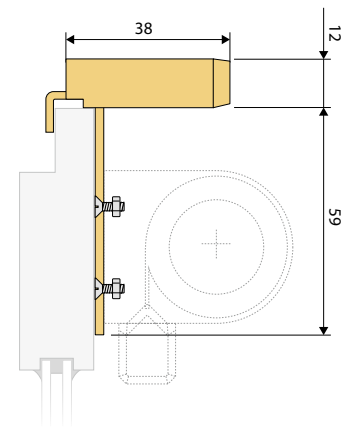


## Assembly types Midi roller blind Basis

Wall / ceiling fixation with holder



Window sash fixation with block holder smart oval hole



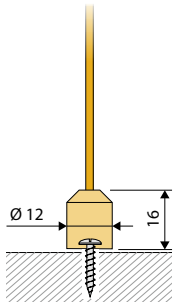
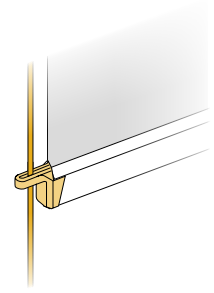
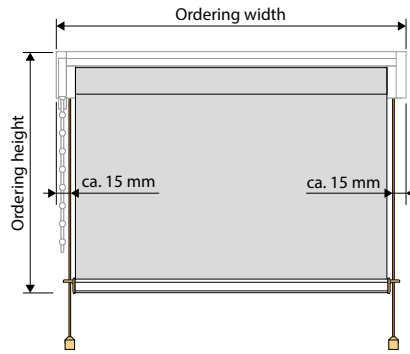
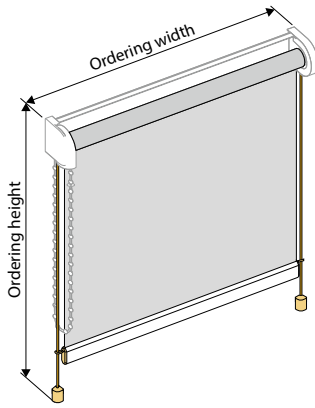
# Midi roller blind

Roller blinds

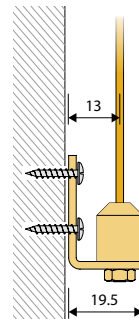
## Rope guidance Midi roller blind Basis



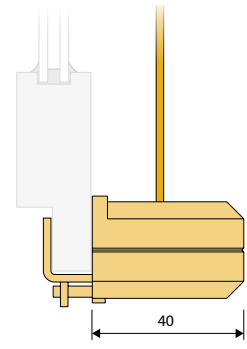
Only in connection with chain or motor operation!



Bottom fixation

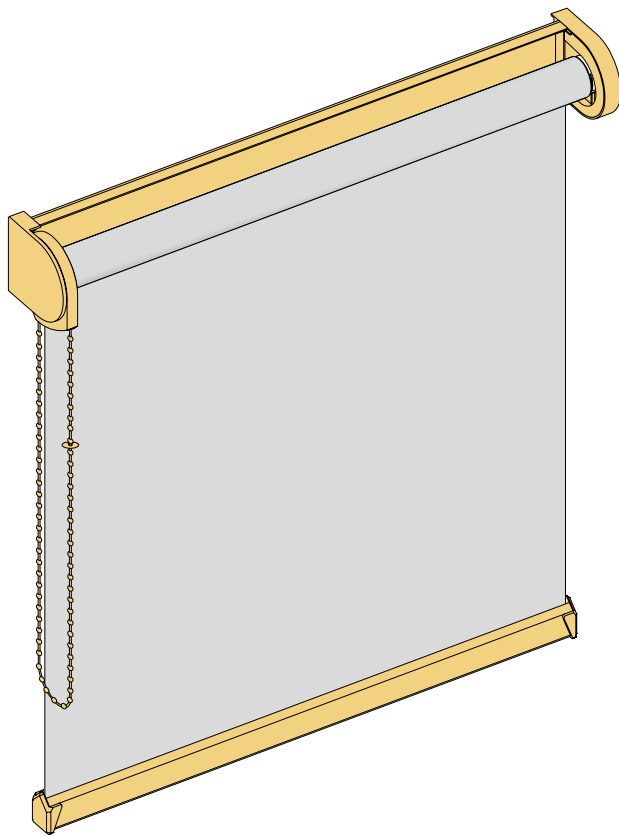


Wall fixation with bracket



Window sash fixation with block holder

## Midi roller blind Bracket profile



- Customization
- Bracket profile roller blind
- Aluminium shaft: to 200 cm width  
Ø 27 mm, from 200 cm width Ø 32 mm
- Cover caps and end caps in white, grey or black
- Operating side right or left possible
- Operating elements in transparent, white, grey, black or nickel
- Powder-coated aluminium carrier and end profile (white RAL 9016, grey RAL 9006 or black RAL 9005)
- Clip fixation
- Side guiding not for centre pull (rope guidance)
- Variant with two blinds in one profile available on request

### RANGE OF SIZES

<b>Min. width</b>	40 cm
<b>Max. width</b>	220 cm*
<b>Max. height</b>	230 cm*
<b>Max. area</b>	ca. 5 m <sup>2</sup>

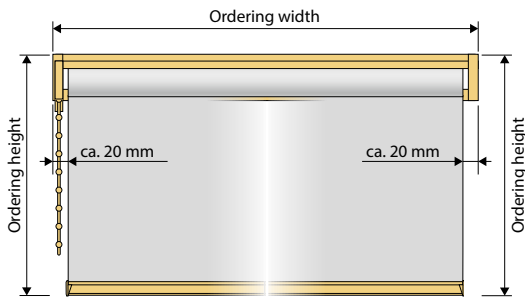
\* depending on fabric

# Midi roller blind

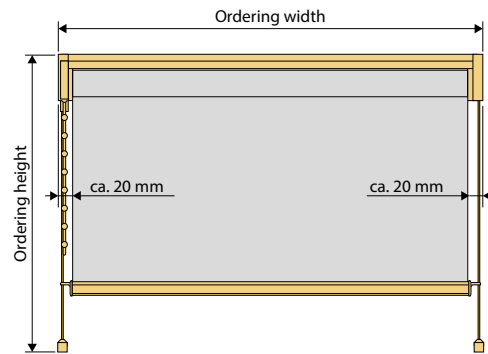
Roller blinds

## Site measuring Midi roller blind - bracket profile

Site measuring and fabric deduction

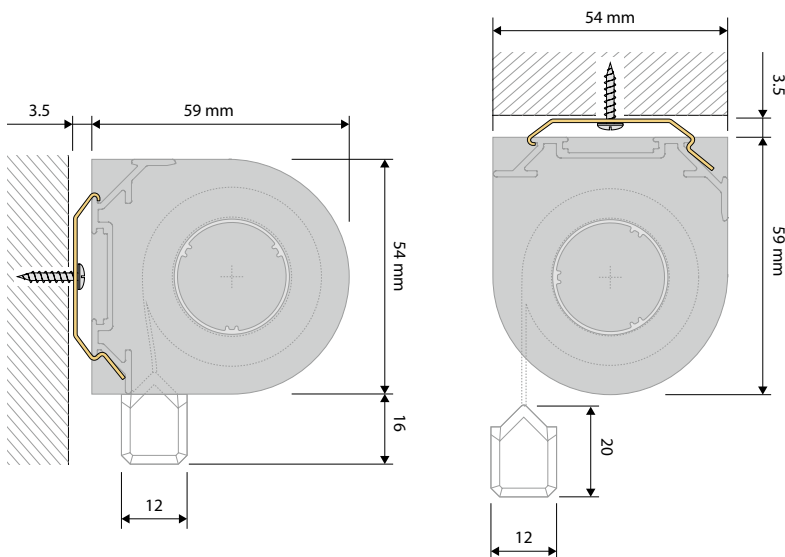


Rope guidance

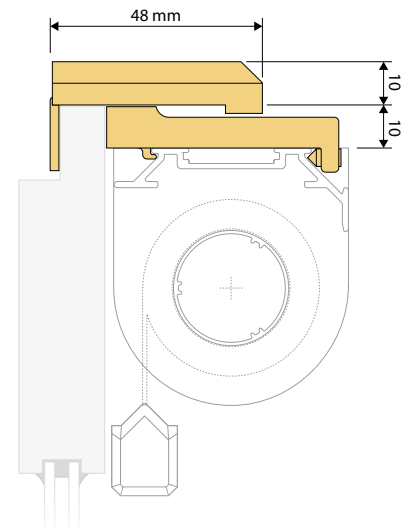


## Assembly types Midi roller blind - bracket profile

Wall / ceiling fixation with cropped fixing clip



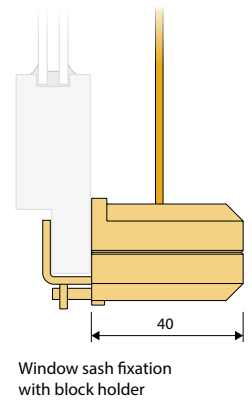
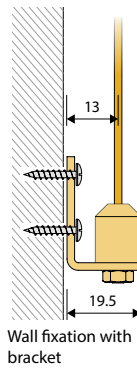
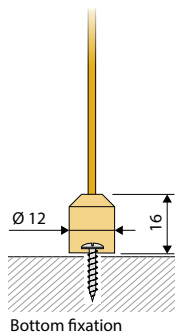
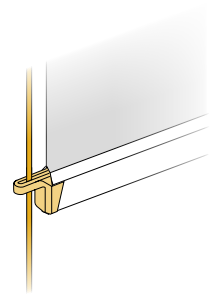
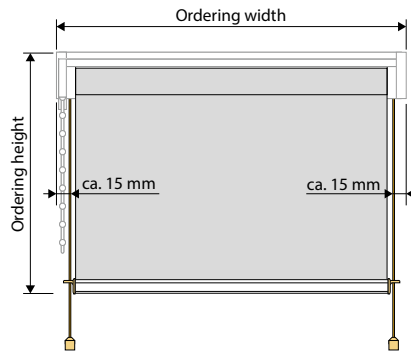
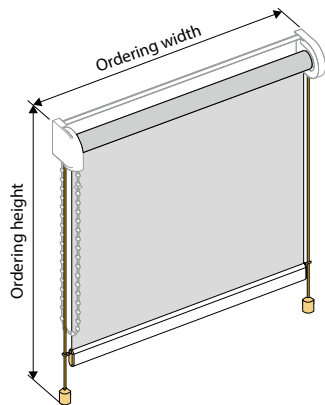
Window sash fixation with profile block holder



# Rope guidance Midi roller blind - bracket profile



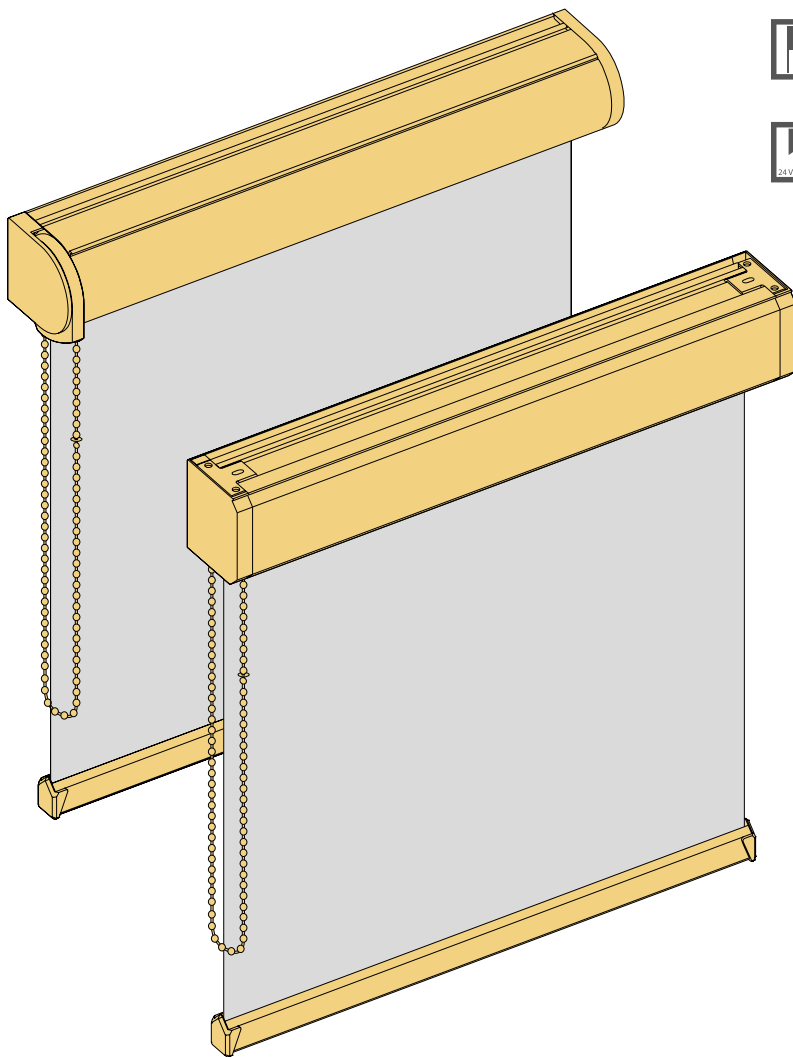
Only in connection with chain or motor operation!



# Midi roller blind

Roller blinds

## Midi roller blind - round and square cassette



- Customization
- Cassette roller blind
- Aluminium shaft: Ø 27 mm and 32 mm
- Cover caps and end caps in white, grey or black
- Operating side right or left possible
- Operating elements in transparent, white, grey, black or nickel
- Powder-coated aluminium cassette and end profile (white RAL 9016, grey RAL 9006 or black RAL 9005)
- Clip fixation
- Side guiding (Tensioning wire and profile guidance) available

### RANGE OF SIZES

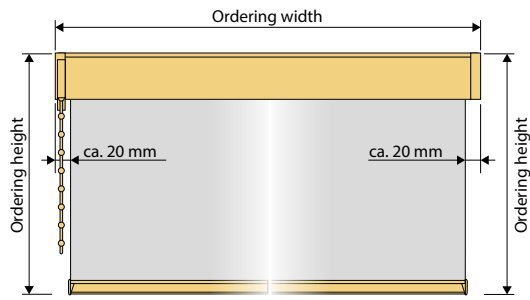
<b>Min. width</b>	40 cm
<b>Max. width</b>	220 cm*
<b>Max. height</b>	230 cm*
<b>Max. area</b>	ca. 5 m <sup>2</sup>

\* depending on fabric

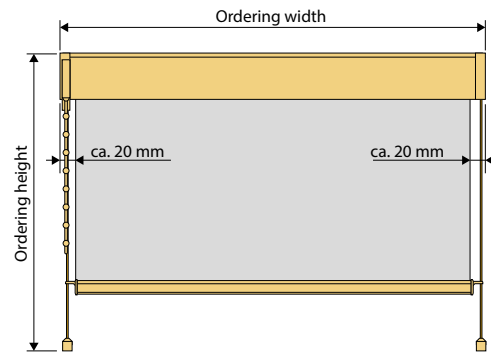


## Site measuring Midi roller blind - cassette

Site measuring



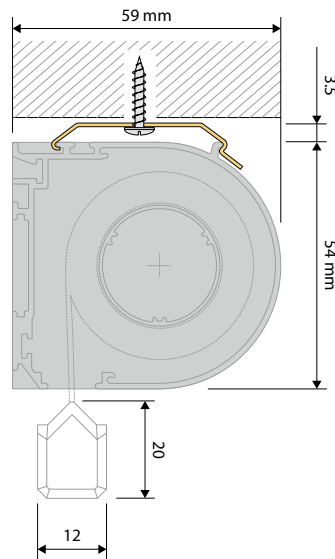
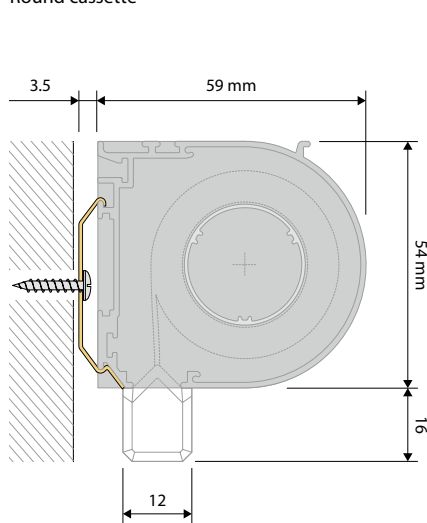
Rope guidance



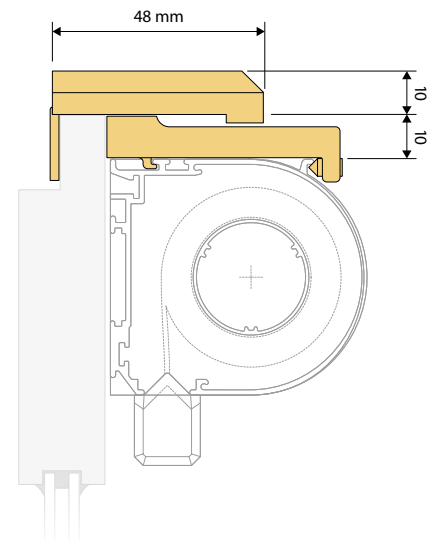
## Assembly types Midi roller blind - cassette

Wall / ceiling fixation - round cassette

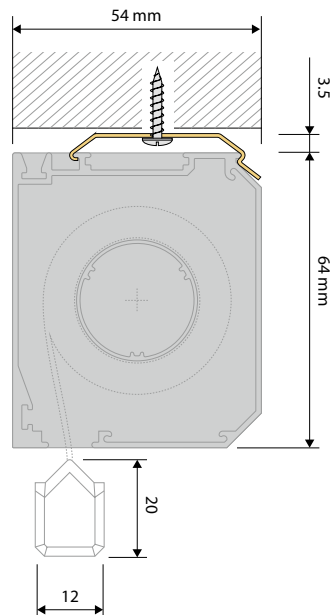
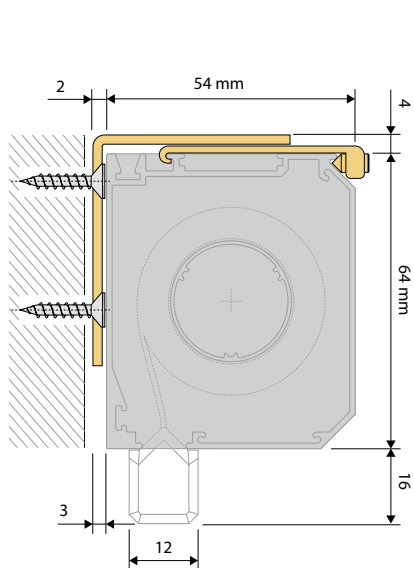
Round cassette



Window sash fixation with profile block holder



Square cassette



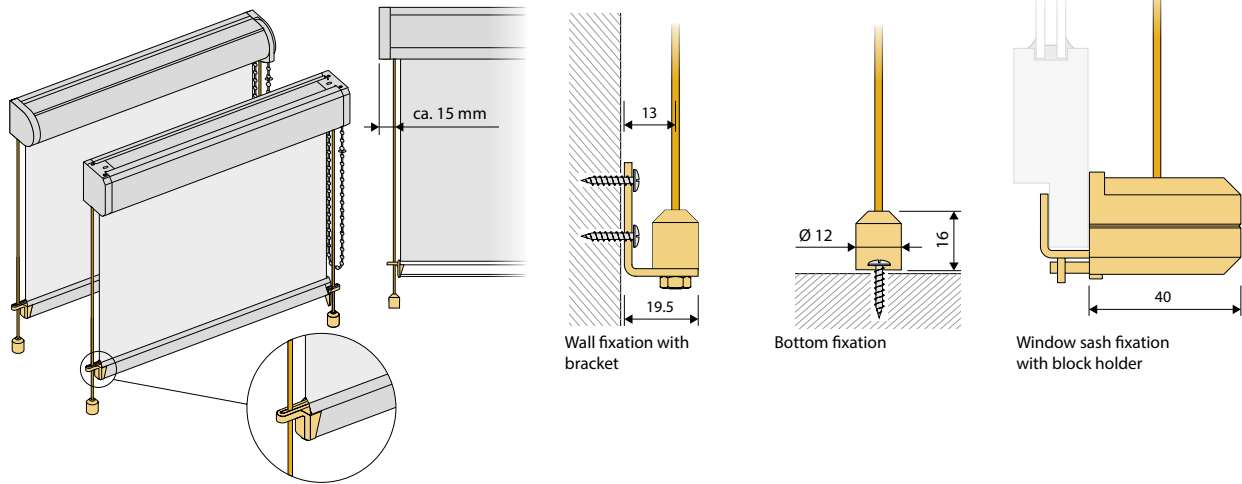
# Midi roller blind

Roller blinds

## Side guidance, closing profile Midi roller blind - cassette



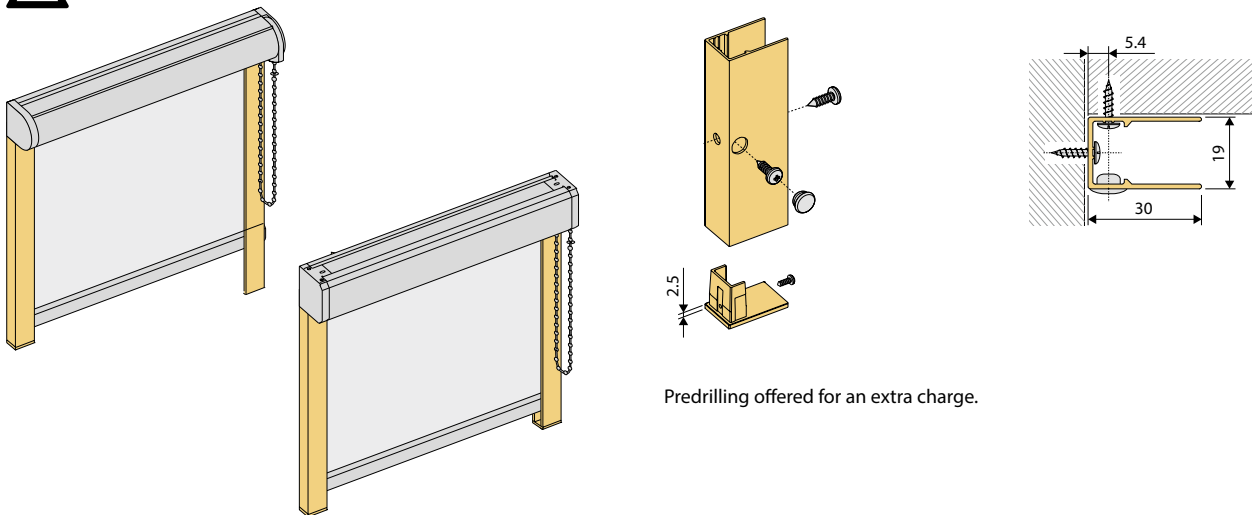
Only in connection with chain or motor operation!



### Profile guidance, one-piece



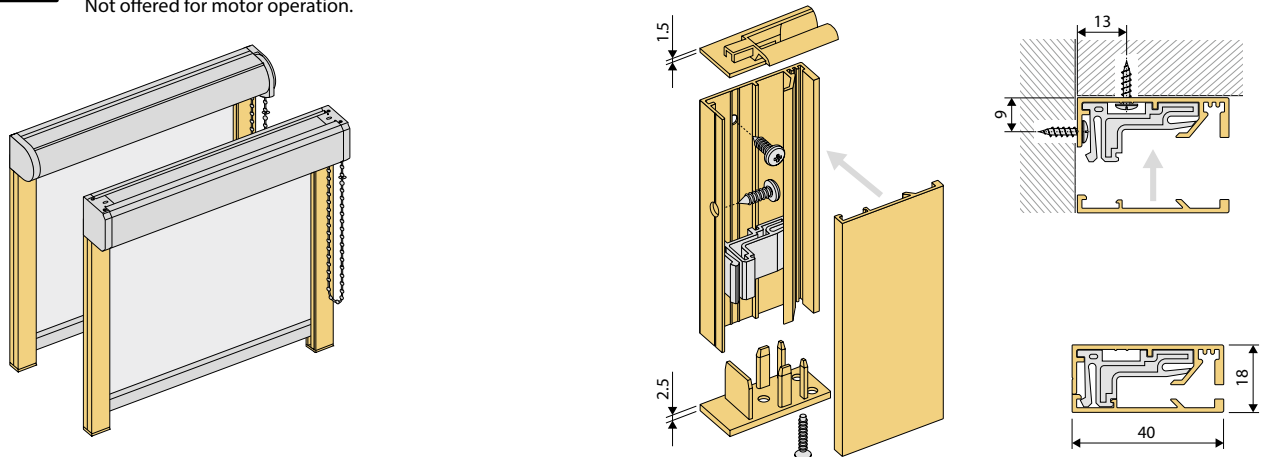
Maximum height is 2 m.



### Profile guidance, two pieces



Square cassettes with side guidance "two pieces" are only offered for ceiling fixation. Not offered for motor operation.



Please avoid draught or low pressure to prevent that the fabric is pulled out of the profile guidance.

Predrilling offered for an extra charge.

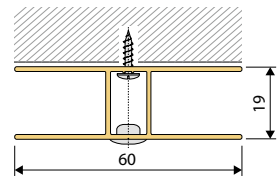
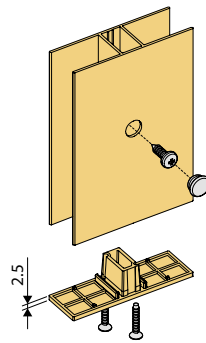
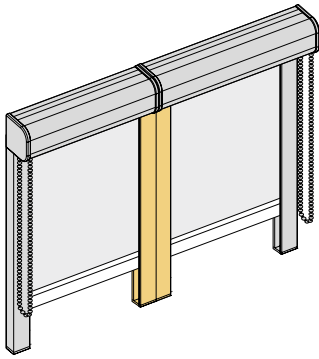
Brush offered for an extra charge.

# Midi roller blind

Roller blinds

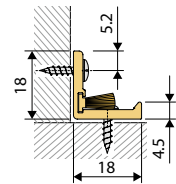
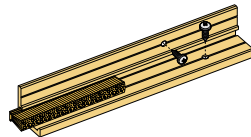
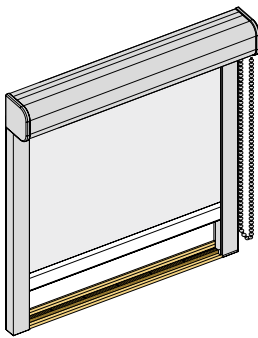
## Central profile

Predrilling of profiles offered for an extra charge



## Closing profile

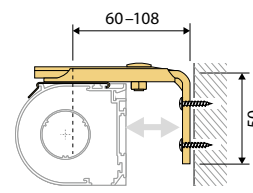
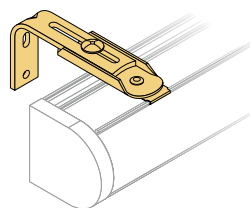
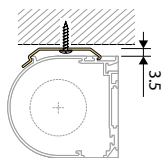
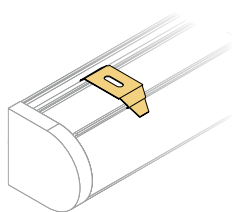
Predrilling of profiles offered for an extra charge



# Midi roller blind

Roller blinds

## Parts Midi roller blind - cassette



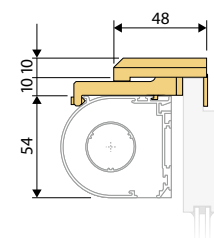
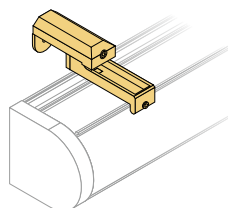
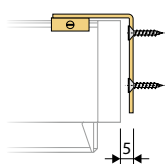
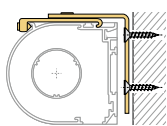
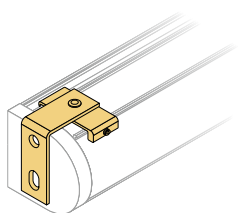
Assembly area: 20 x 50 mm

### Cropped fixing clip with oval hole

Standard, for bracket profile and cassette, metal, available in white, silver and black

### Wall fixing brackets 60-108 mm

For bracket profile and cassette, metal, available in white, silver and black

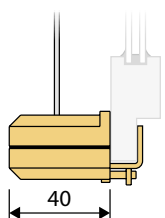
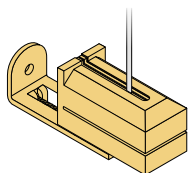


### Wall fixing brackets 33 mm

For recess and wall fixation, bracket profile and cassette, metal-aluminium, available in white, silver and black

### Profile block holder

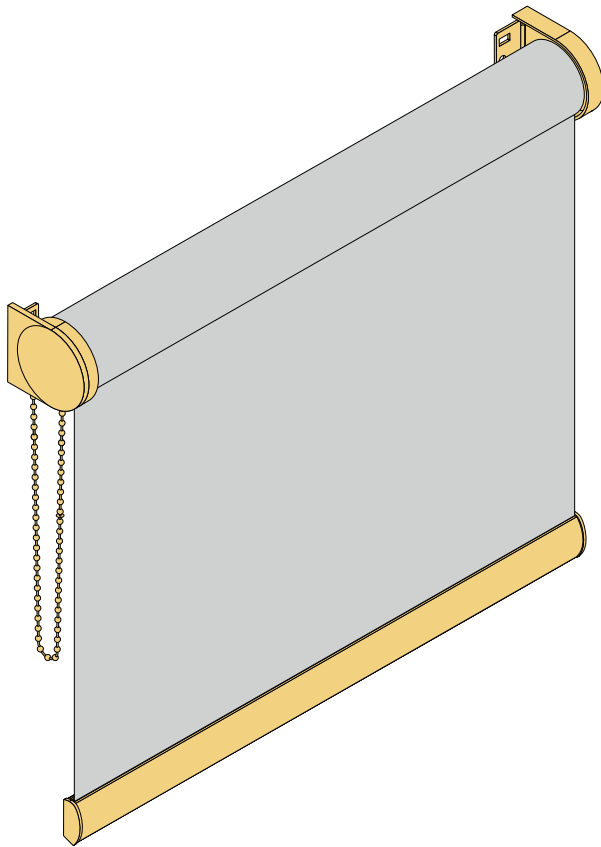
Clamping range 5-25 mm, bracket profile and cassette, made of synthetic-metal, available in white-white, grey-silver, black-black



### Block holder for rope guidance

Clamping range 5-25 mm, Basis, bracket profile and cassette, made of synthetic-metal, available in white-silver, grey-silver, black-silver

## Medium roller blind Basis



- Customization
- Roller blind for holder fixation
- Aluminium shaft: Ø 36, 43 or 44 mm with piping groove
- Cover caps in white and grey
- Operating side right or left possible
- Operating elements in transparent, white, grey or nickel
- Powder-coated aluminium profile (white RAL 9016, grey RAL 9006)
- End caps in white and grey
- Holder fixation
- Side guidance (rope guidance) available
- Spring-loaded counter bearing for slight width compensation (+/- 5 mm)

### RANGE OF SIZES

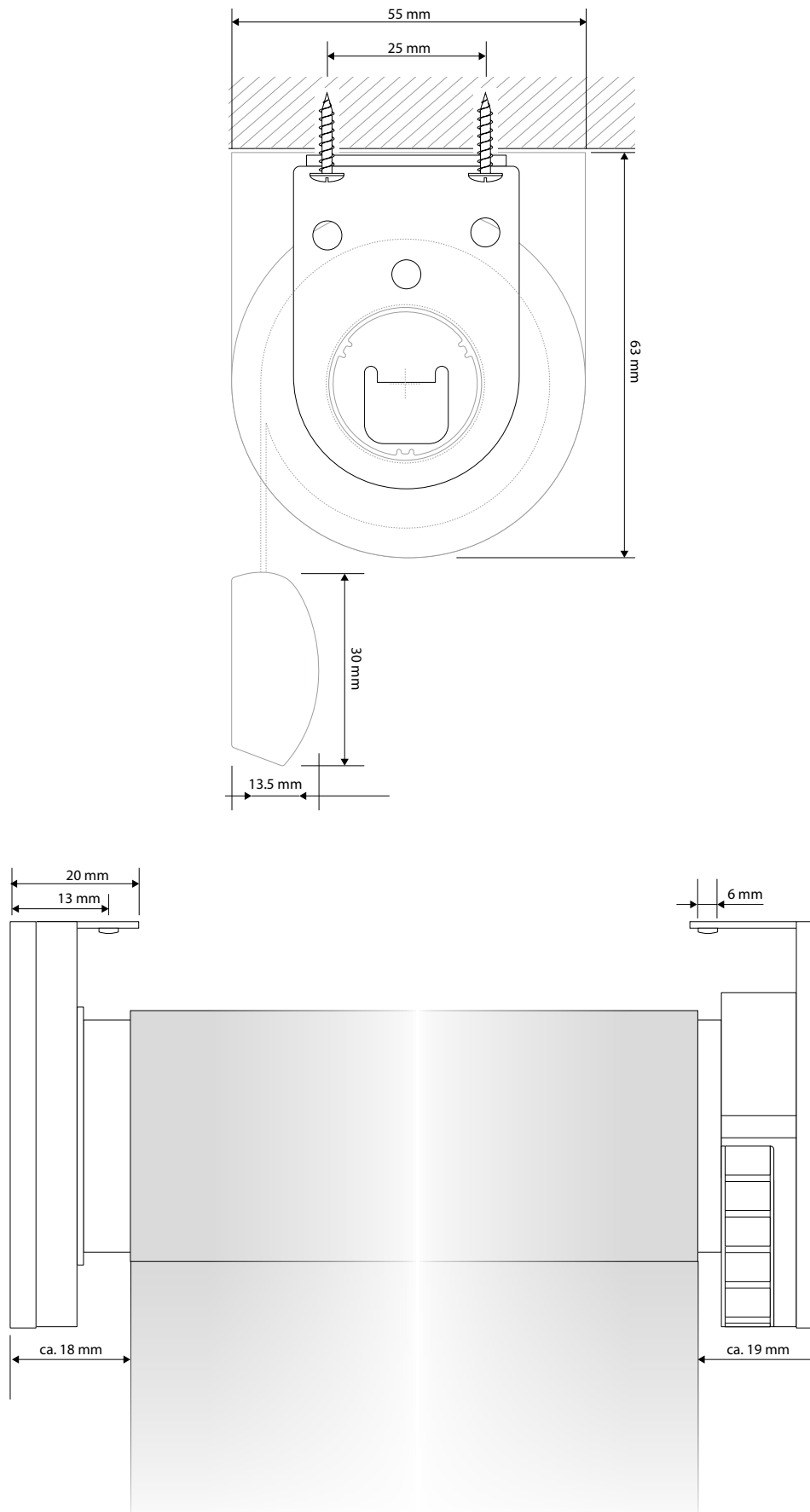
<b>Min. width</b>	40 cm
<b>Max. width</b>	280 cm*
<b>Max. height</b>	300 cm*
<b>Max. area</b>	ca. 8.4 m <sup>2</sup>

\* depending on fabric

# Medium roller blind

Roller blinds

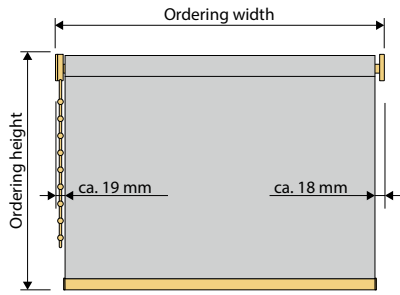
## Medium roller blind Basis - ceiling fixation Scale 1:1



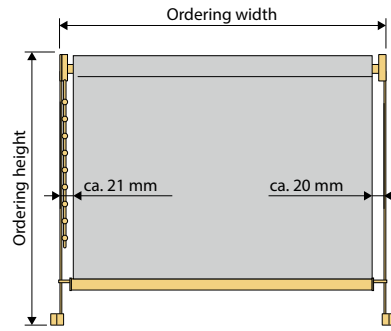
SCALE 1:1

## Site measuring Medium roller blind Basis

Site measuring and fabric deduction

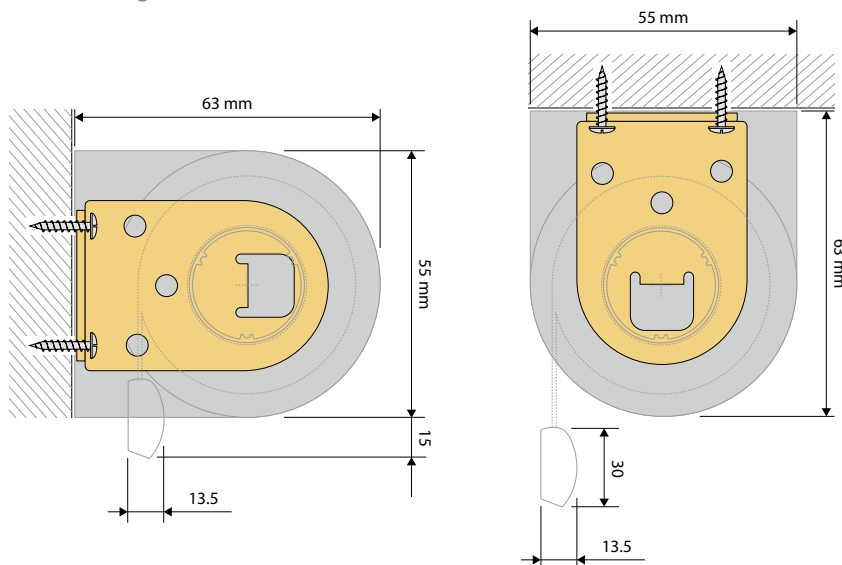


Rope guidance



## Assembly types Medium roller blind Basis

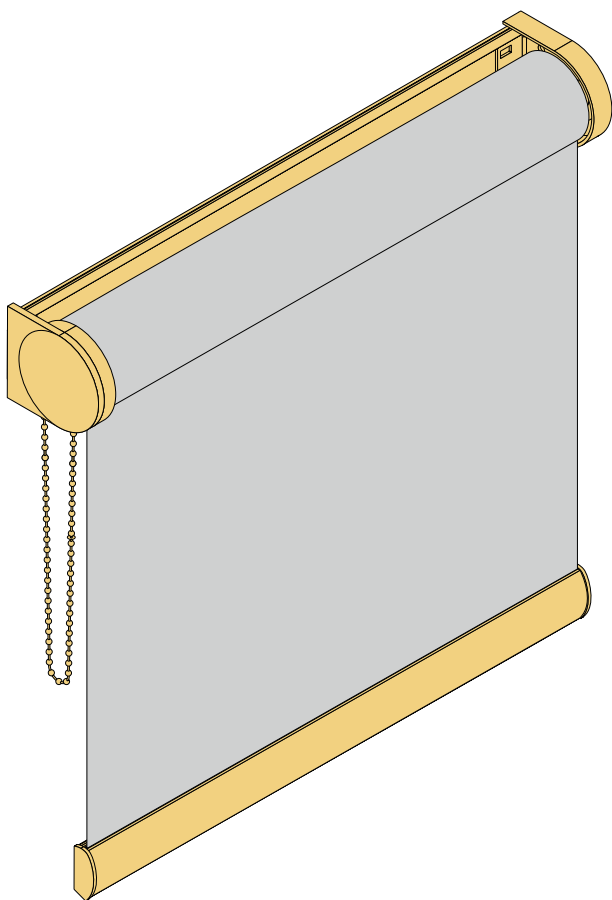
Wall / ceiling fixation with holder



# Medium roller blind

Roller blinds

## Medium roller blind - bracket profile



- Customization
- Bracket profile roller blind
- Aluminium shaft: Ø 36, 43 or 44 mm with piping groove
- Cover caps in white, grey or black
- Operating side right or left possible
- Note: Motor operation max. height 220 cm
- Operating elements in transparent, white, grey, nickel or black
- Powder-coated aluminium profile (white RAL 9016, silver anodized, black RAL 9005)
- End caps in white, grey and black
- Clip fixation
- Side guidance (rope guidance) available

### RANGE OF SIZES

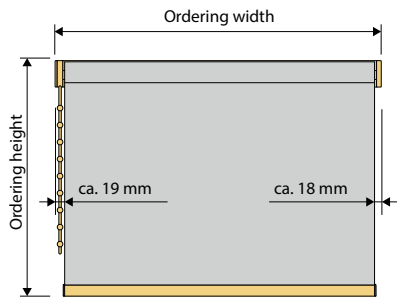
<b>Min. width</b>	40 cm
<b>Max. width</b>	280 cm*
<b>Max. height</b>	300 cm*
<b>Max. area</b>	ca. 8.4 m <sup>2</sup>

\* depending on fabric

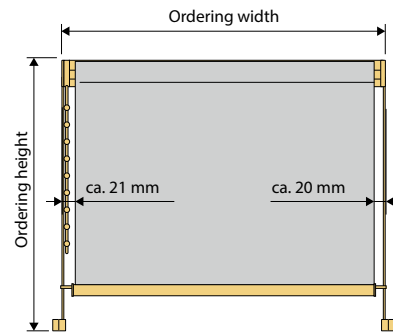


## Site measuring Medium roller blind - bracket profile

Site measuring and fabric deduction

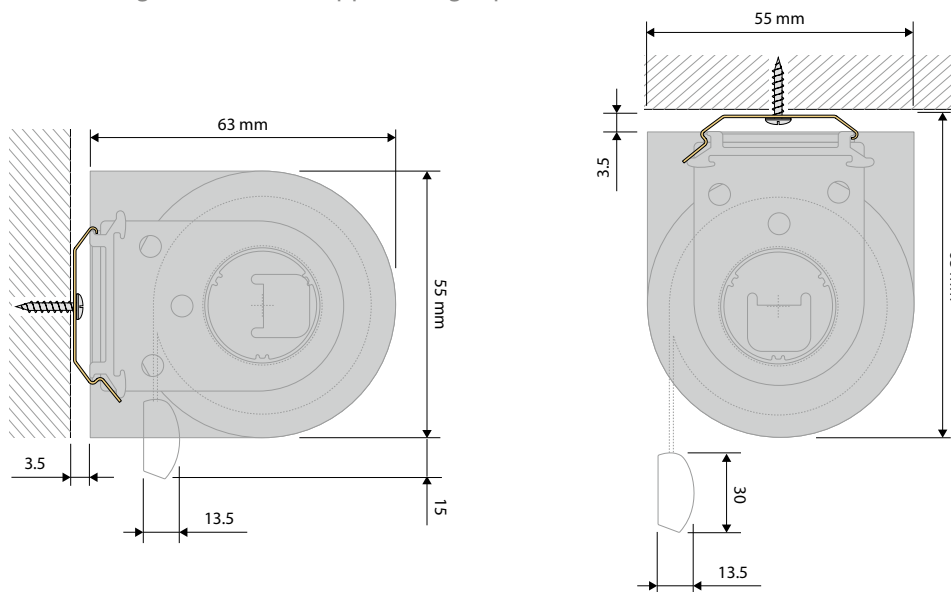


Rope guidance



## Assembly types Medium roller blind - bracket profile

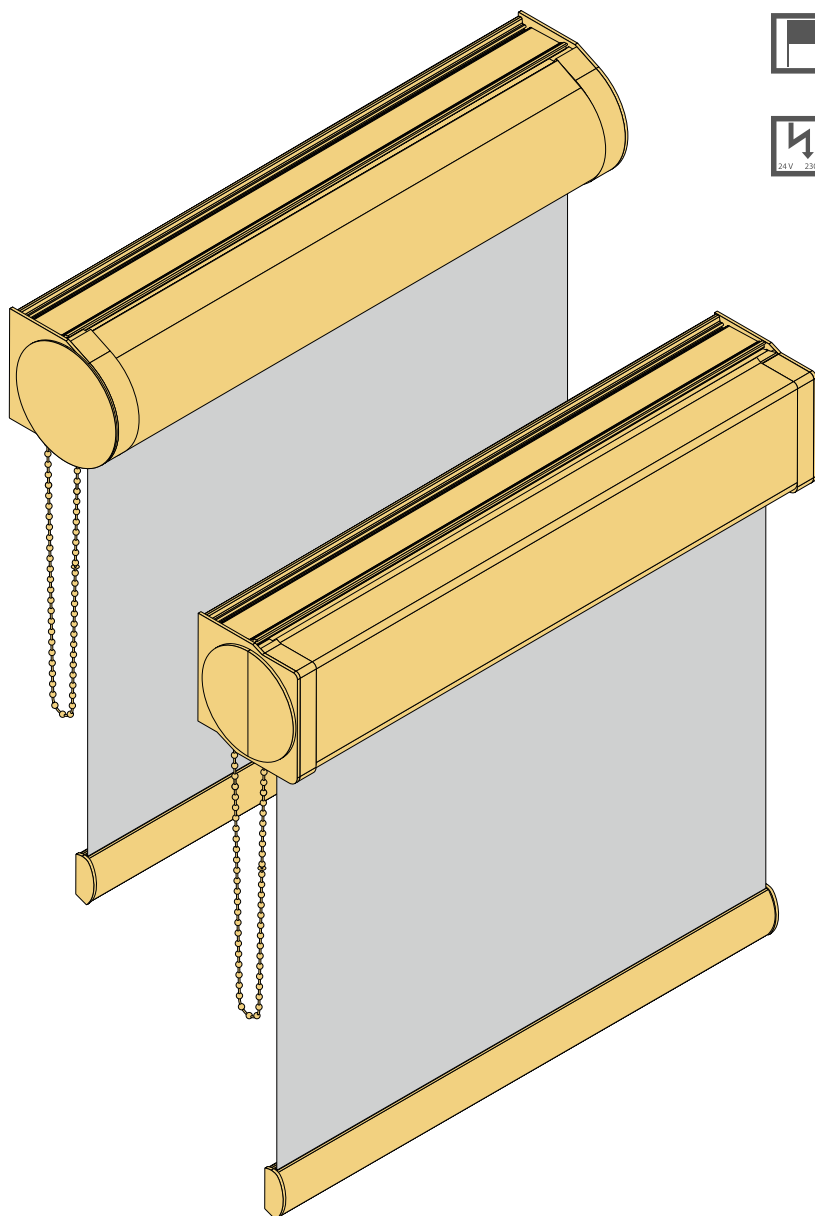
Wall / ceiling fixation with cropped fixing clip



# Medium roller blind

Roller blinds

## Medium roller blind Round and square cassette



- Customization
- Cassette roller blind
- Aluminium shaft: Ø 36, 43 and 44 mm with piping groove
- Cover caps in white, grey and black
- Operating side right or left possible
- Note: Motor operation max. height 220 cm
- Operating elements in transparent, white, grey, black or nickel
- Powder-coated aluminium profile (white RAL 9016, silver anodized or black RAL 9005)
- End caps in white, grey and black
- Bracket fixation (wall or ceiling)
- Side guidance (profile and rope guidance) available

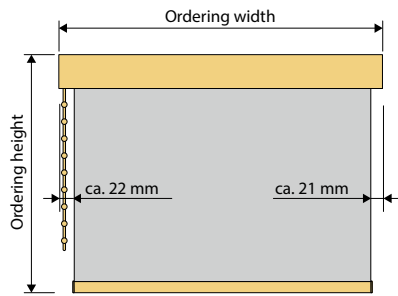
### RANGE OF SIZES

<b>Min. width</b>	40 cm
<b>Max. width</b>	280 cm*
<b>Max. height</b>	300 cm*
<b>Max. area</b>	ca. 8.4 m <sup>2</sup>

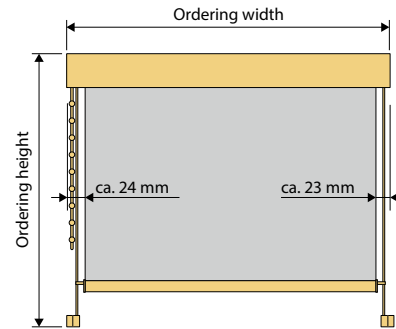
\* depending on fabric

## Site measuring Medium roller blind - cassette

Site measuring and fabric deduction



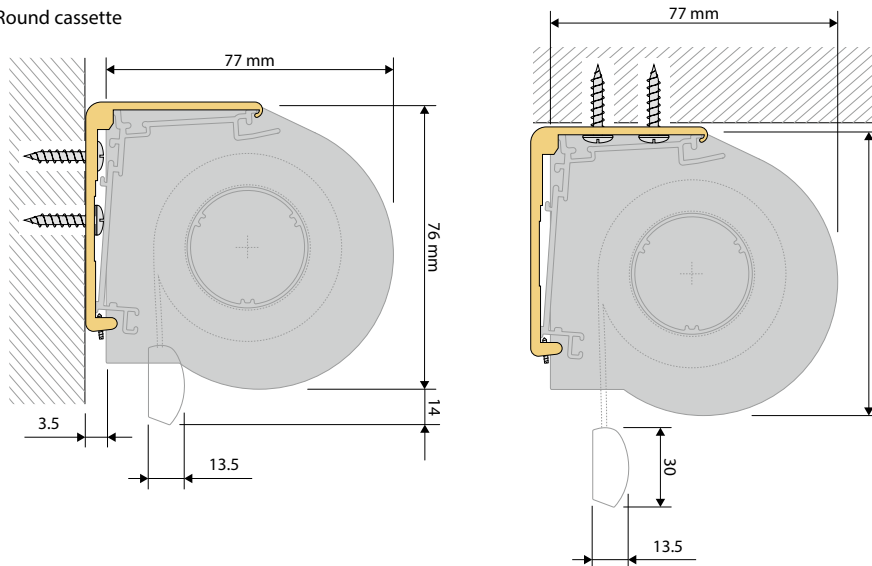
Rope guidance



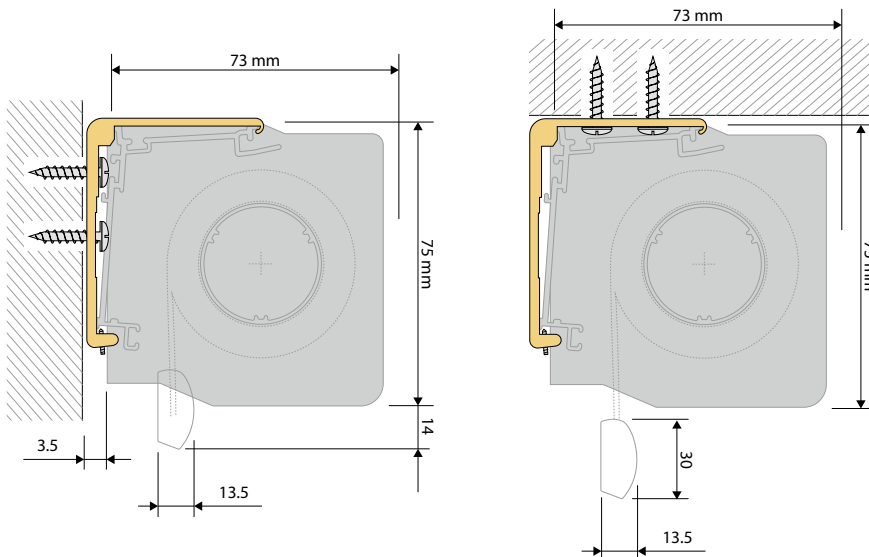
## Assembly types Medium roller blind - cassette

Wall / ceiling fixation with brackets

Round cassette



Square cassette

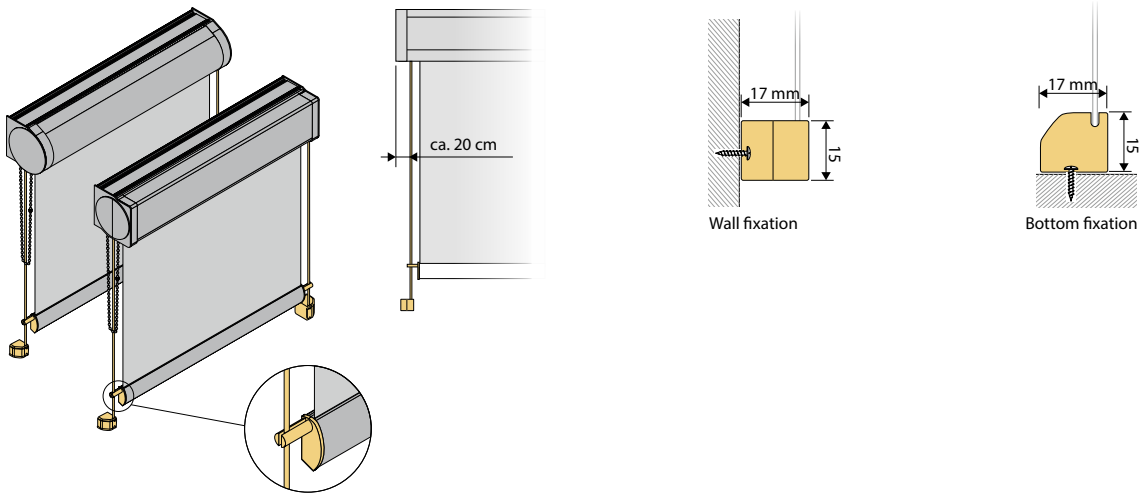


# Medium roller blind

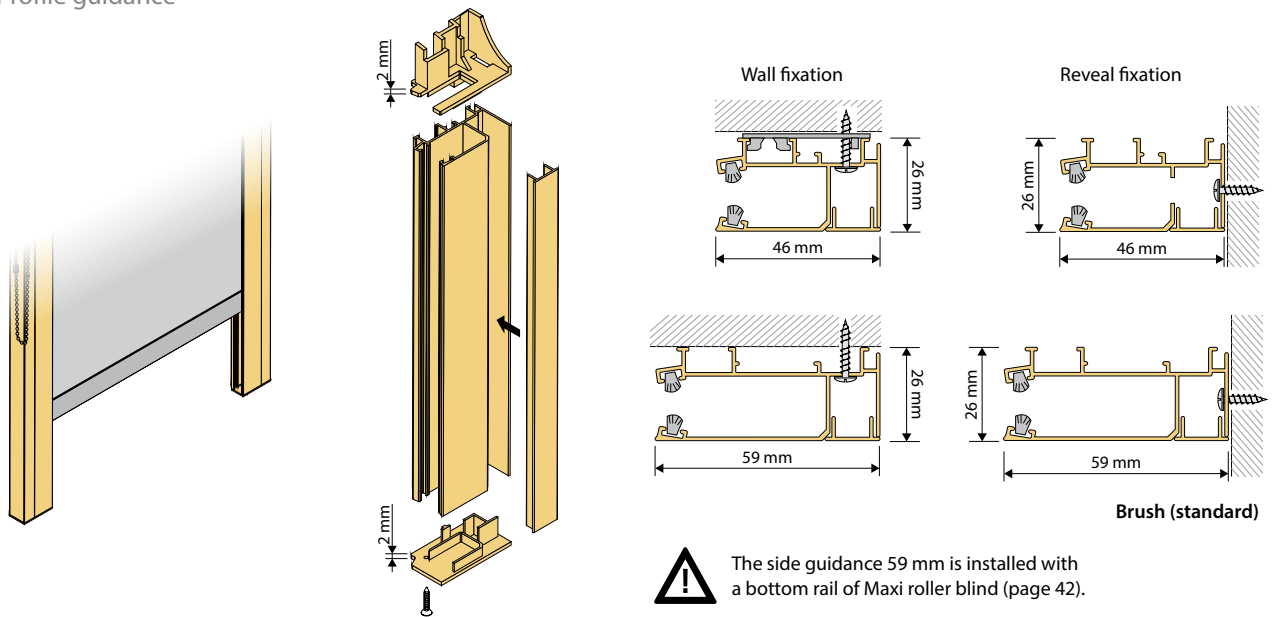
Roller blinds

## Side guidance, closing profile

Rope guidance

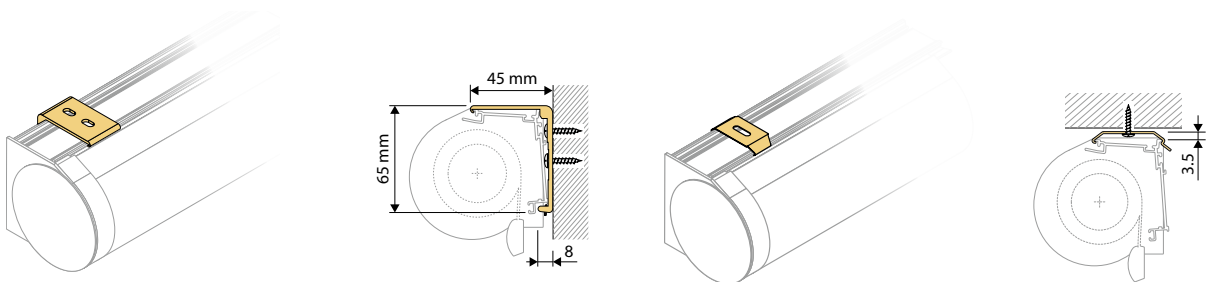


Profile guidance



Predrilling offered for an extra charge.

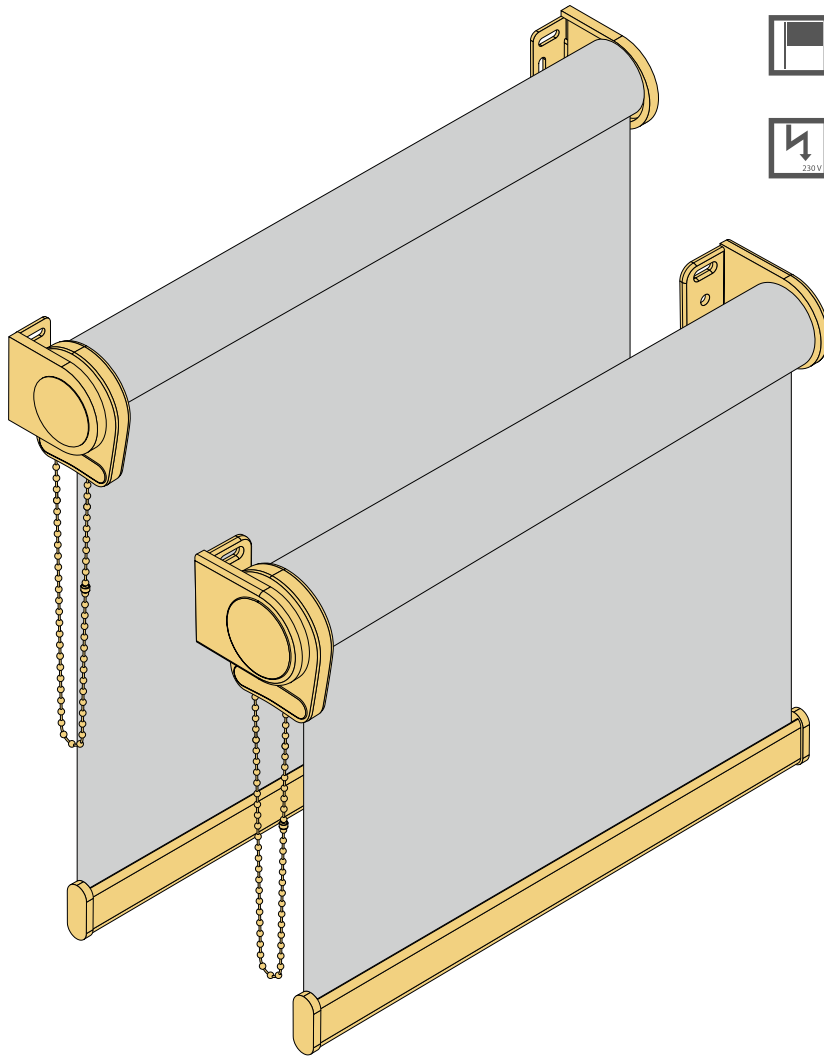
Accessories for bracket profile / cassette



**Wall / ceiling fixing bracket 37 mm**  
for type cassette, metal, available in white and silver

**Cropped fixing clip with oval hole**  
Standard, bracket profile and cassette, metal, available in white and silver

## Medium roller blind Plus Basis



- Customization
- Roller blind for holder fixation
- Aluminium shaft: Ø 37 mm and Ø 51 mm with piping groove
- Standard: Metal bracket (design bracket offered for an extra charge)
- Cover caps in white or grey
- Operating side right or left possible
- Operating elements in transparent, grey or white
- Powder-coated aluminium end profile (white RAL 9016 or silver anodized)
- End caps in white or grey
- Bracket fixation (three different sizes)
- With integrated leveller - to reduce skewing of the shaft during assembly (roller blind can be levelled horizontally)

### RANGE OF SIZES

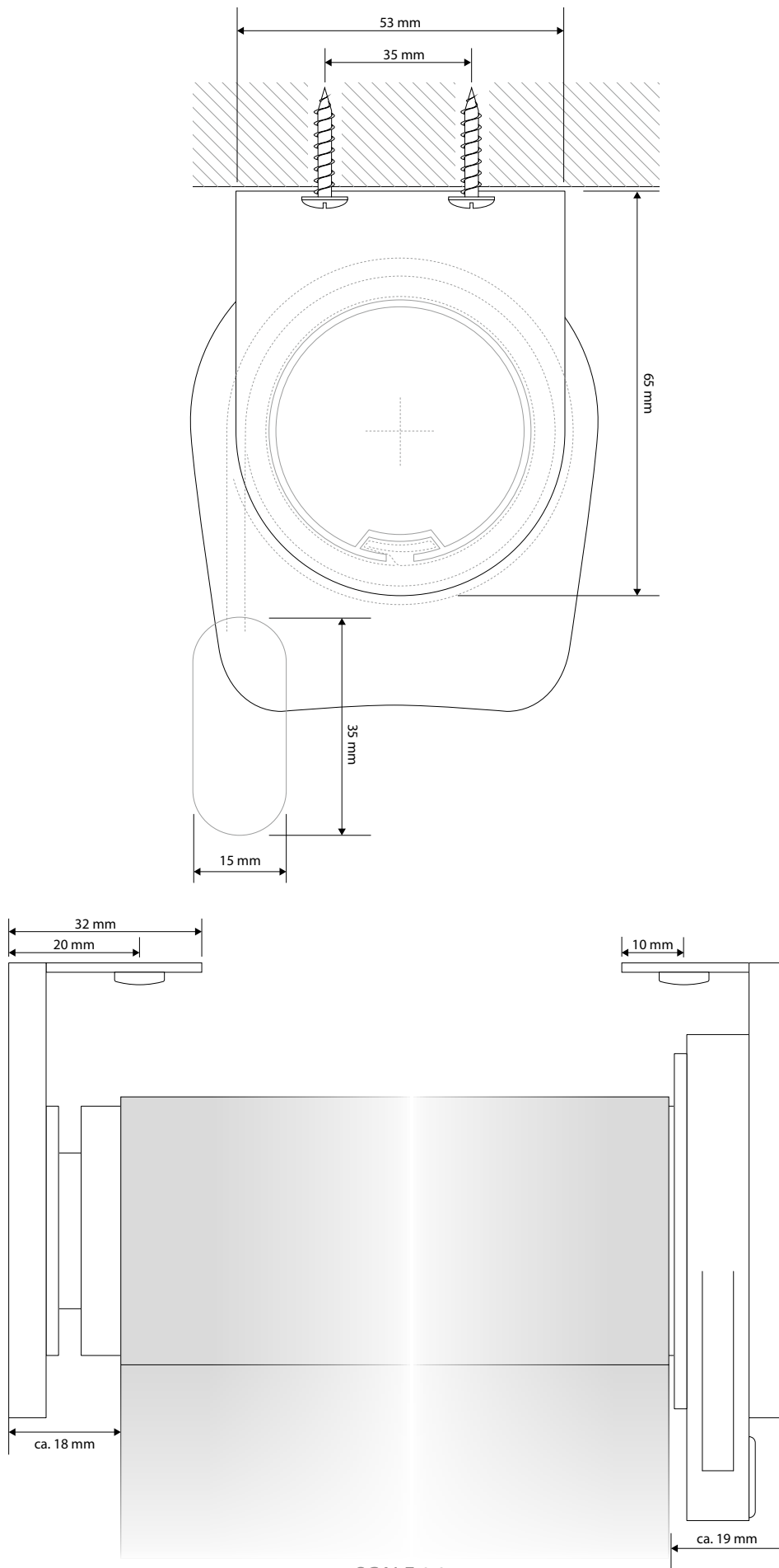
<b>Min. width</b>	40 cm
<b>Max. width</b>	360 cm*
<b>Max. height</b>	350 cm*
<b>Max. area</b>	ca. 12.5 m <sup>2</sup>

\* depending on fabric

# Medium roller blind Plus

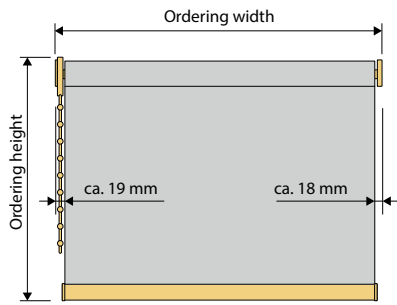
Roller blinds

## Medium roller blind Plus Basis - ceiling fixation Scale 1:1

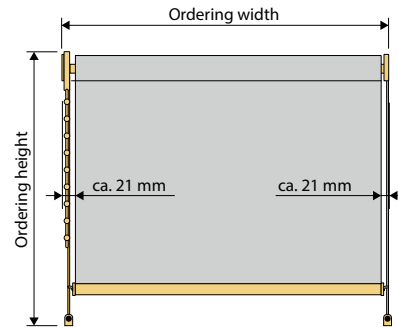


## Site measuring Medium roller blind Plus Basis

Site measuring and fabric deduction



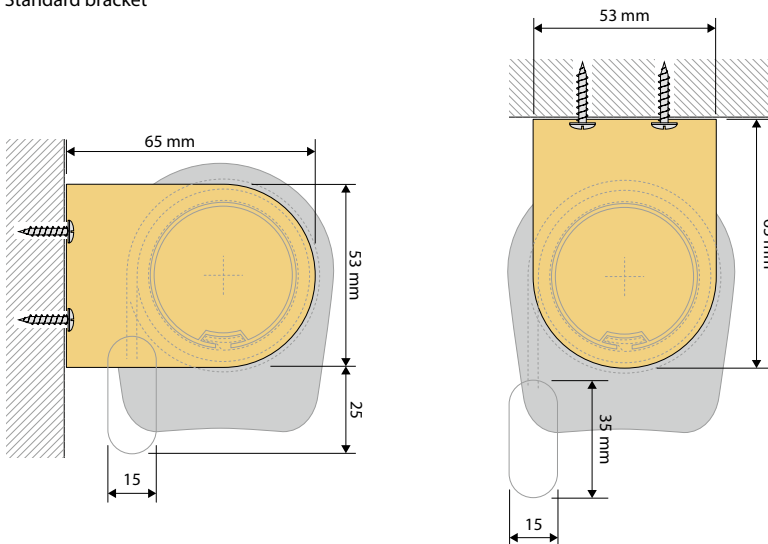
Rope guidance



## Assembly types Medium roller blind Plus Basis

Wall / ceiling fixation with holder

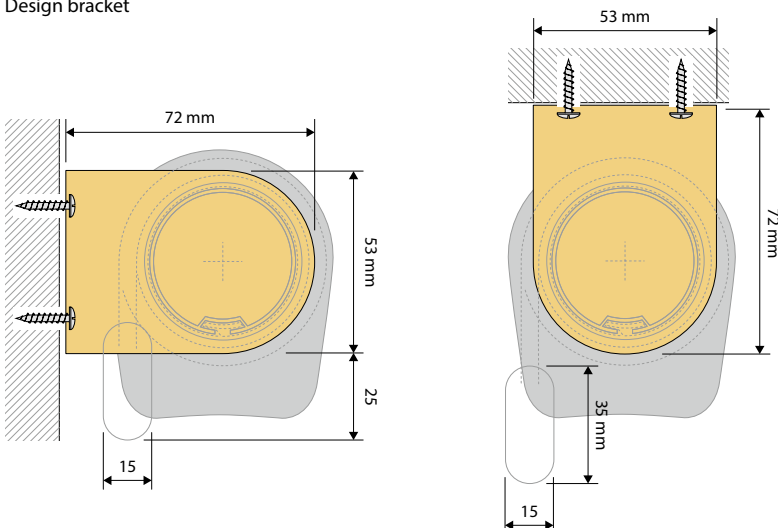
Standard bracket



Available in three sizes:

- Small bracket up to 180 cm height
- Medium bracket up to 280 cm height
- Large bracket from 280 cm height (see individual parts for dimensions)

Design bracket

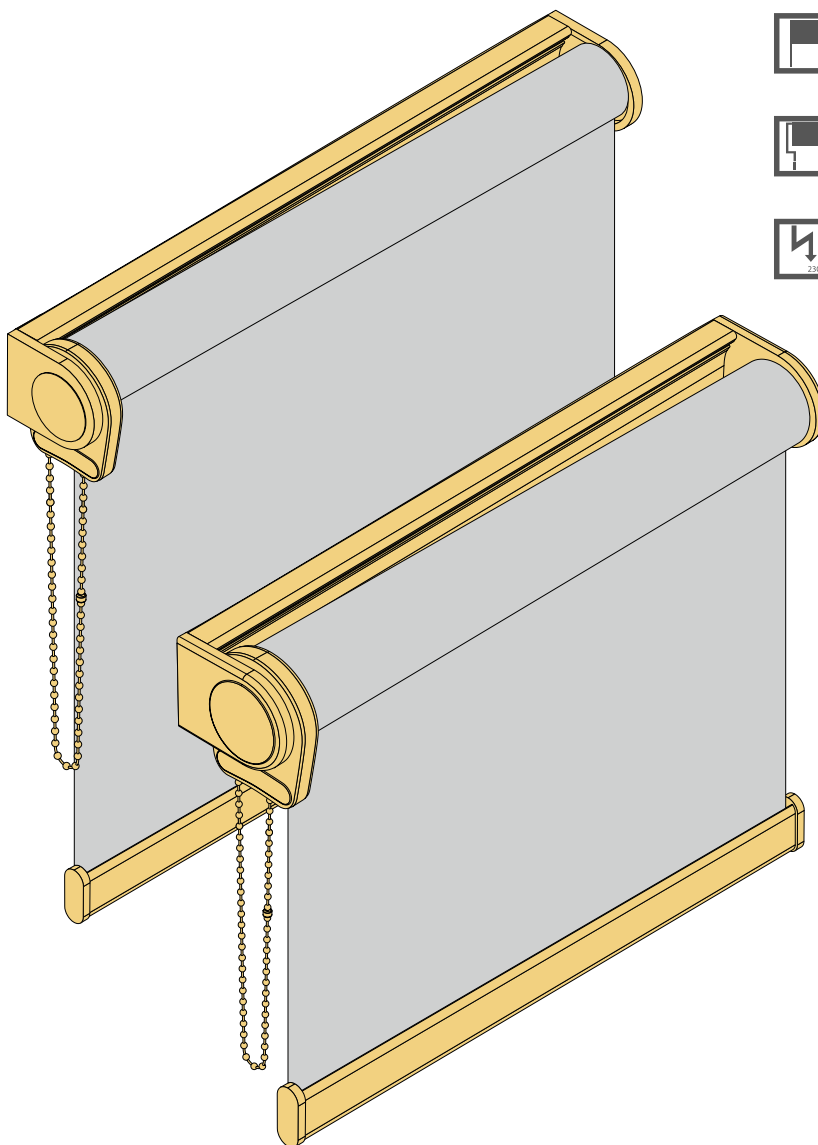


Please note that the fixation type must be selected before the order is placed - leveller for horizontal levelling!

# Medium roller blind Plus

Roller blinds

## Medium roller blind Plus Bracket profile



- Customization
- Bracket profile roller blind
- Aluminium shaft: Ø 37 mm and Ø 51 mm with piping groove
- Standard: Metal bracket (design bracket offered for an extra charge)
- Cover caps in white or grey
- Operating side right or left possible
- Operating elements in transparent, grey or white
- Powder-coated aluminium profile (white RAL 9016 or silver anodized)
- End caps in white or grey
- Bracket fixation
- With integrated leveller - to reduce skewing of the shaft during assembly (roller blind can be levelled horizontally)

### RANGE OF SIZES

<b>Min. width</b>	40 cm
<b>Max. width</b>	360 cm*
<b>Max. height</b>	350 cm*
<b>Max. area</b>	ca. 12.5 m <sup>2</sup>

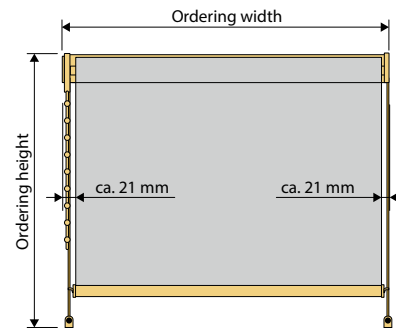
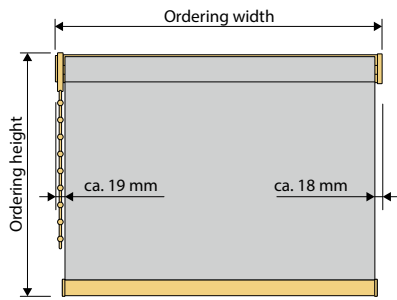
\* depending on fabric



# Site measuring Medium roller blind Plus - bracket profile

Site measuring and fabric deduction

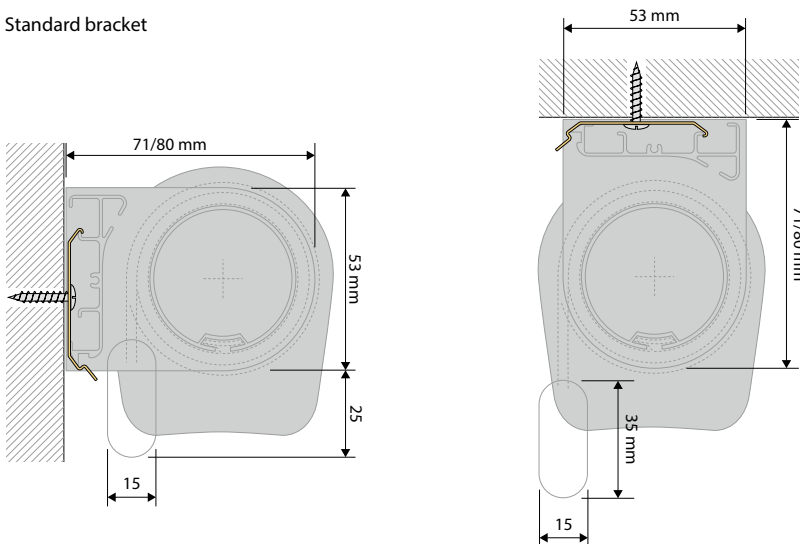
Rope guidance



# Assembly types Medium roller blind Plus - bracket profile

Wall / ceiling fixation with cropped fixing clip

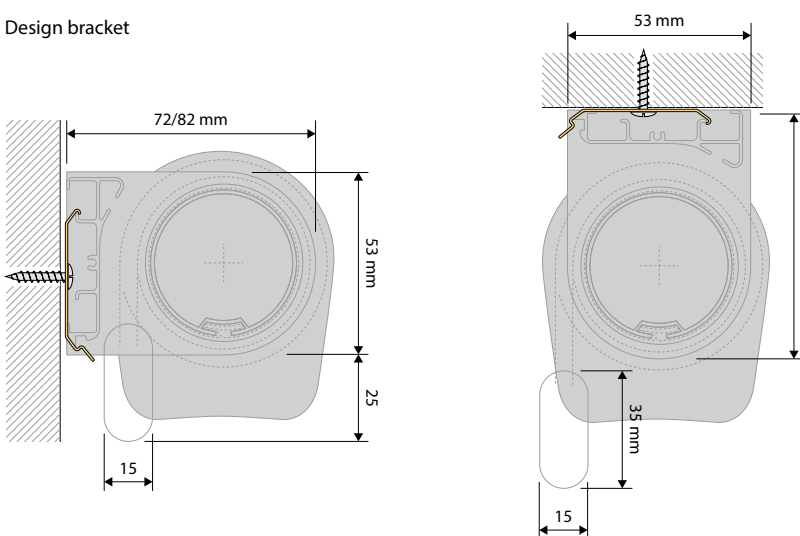
Standard bracket



Available in two sizes:

- Medium bracket up to 280 cm height
  - Large bracket from 280 cm height
- (See individual parts for dimensions)

Design bracket

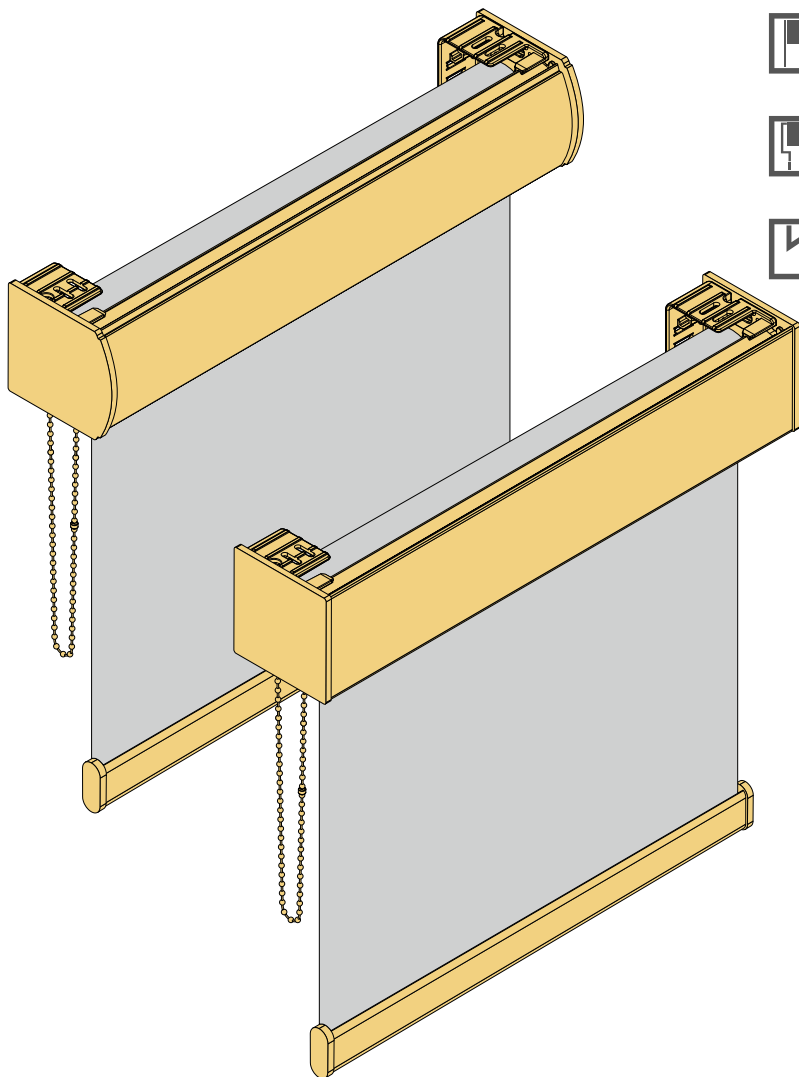


Please note that the fixation type must be selected before the order is placed - leveller for horizontal levelling!

# Medium roller blind Plus

Roller blinds

## Medium roller blind Plus Round and square cover



- Customization
- Roller blind with cover
- Aluminium shaft: Ø 37 mm and Ø 51 mm with piping groove
- Cover caps in white or grey
- Operating side right or left possible
- Operating elements in transparent, grey or white
- Powder-coated aluminium profile (white RAL 9016 or silver anodized)
- End caps in white or grey
- Bracket fixation
- With integrated leveller - to reduce skewing of the shaft during assembly (roller blind can be levelled horizontally)

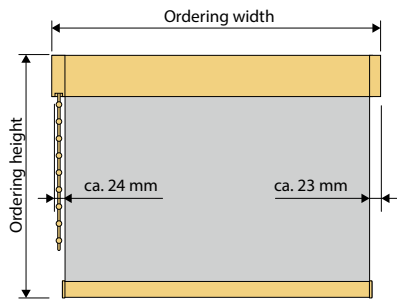
### RANGE OF SIZES

<b>Min. width</b>	40 cm
<b>Max. width</b>	360 cm*
<b>Max. height</b>	350 cm*
<b>Max. area</b>	ca. 12.5 m <sup>2</sup>

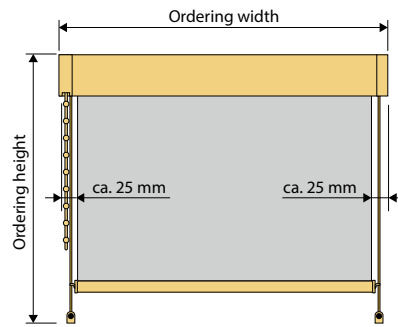
\* depending on fabric

## Site measuring Medium roller blind Plus - cover

Site measuring and fabric deduction



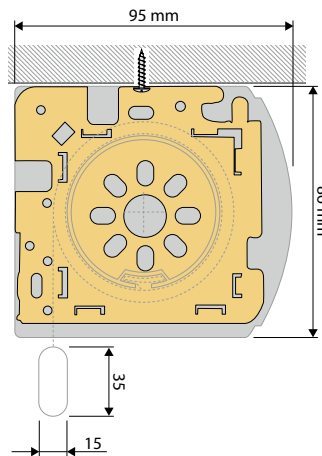
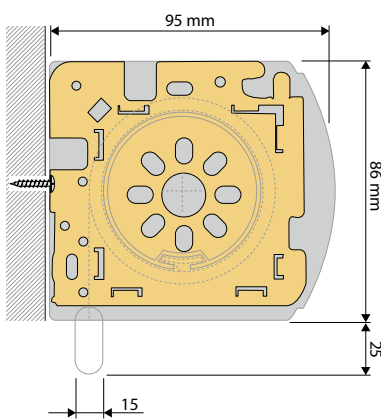
Rope guidance



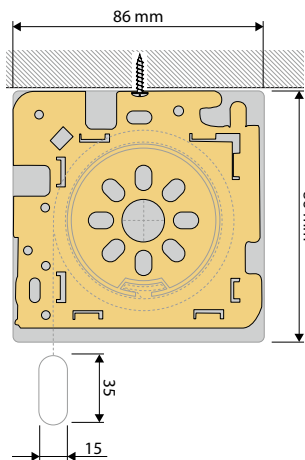
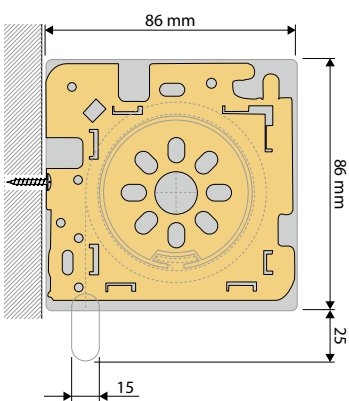
## Assembly types Medium roller blind Plus - cover

Wall / ceiling fixation with holder

Round cover



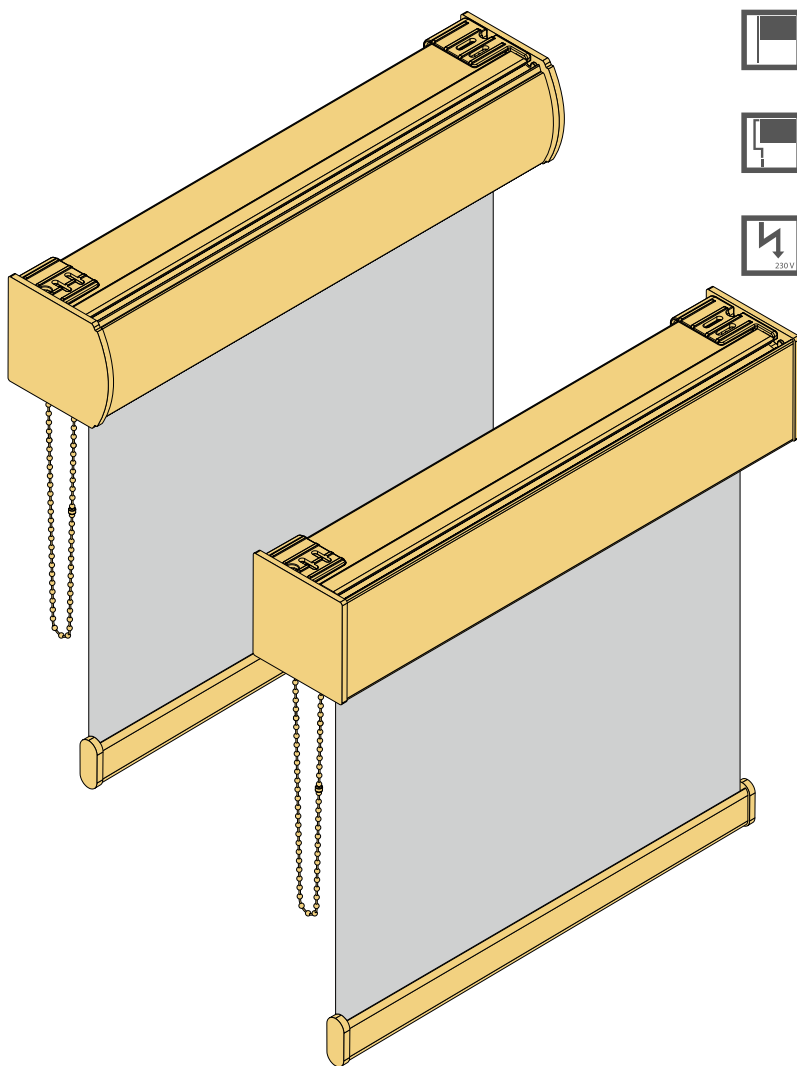
Square cover



# Medium roller blind Plus

Roller blinds

## Medium roller blind Plus Round and square cassette



- Customization
- Cassette roller blind
- Aluminium shaft: Ø 37 mm and Ø 51 mm with piping groove
- Cover caps in white or grey
- Operating side right or left possible
- Operating elements in transparent, grey or white
- Powder-coated aluminium profile (white RAL 9016 or silver anodized)
- End caps in white or grey
- Bracket fixation
- With integrated leveller - to reduce skewing of the shaft during assembly (roller blind can be levelled horizontally)

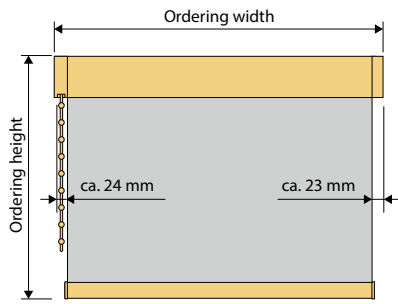
### RANGE OF SIZES

<b>Min. width</b>	40 cm
<b>Max. width</b>	360 cm*
<b>Max. height</b>	350 cm*
<b>Max. area</b>	ca. 12.5 m <sup>2</sup>

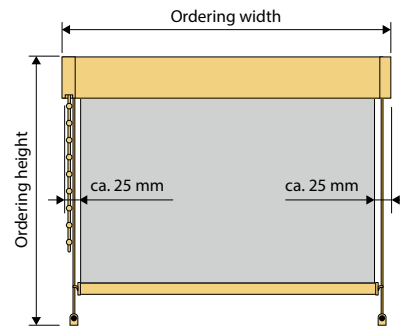
\* depending on fabric

## Site measuring Medium roller blind Plus - cassette

Site measuring and fabric deduction



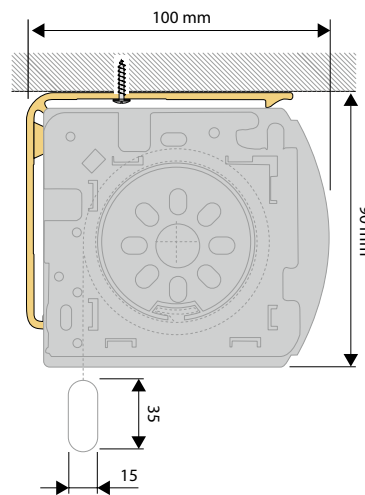
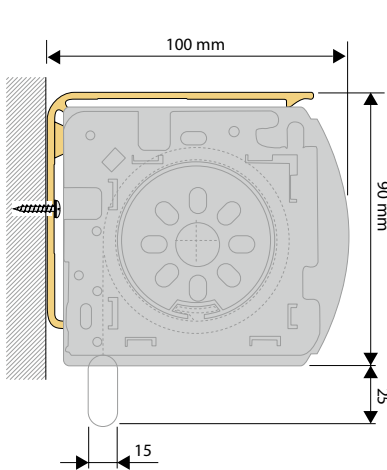
Rope guidance



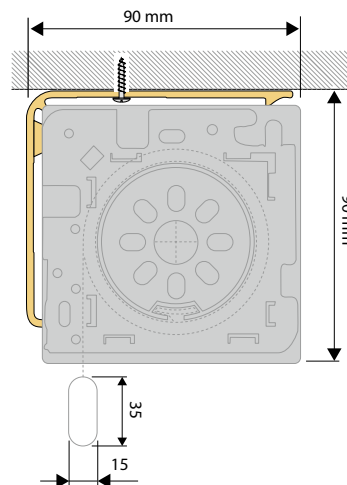
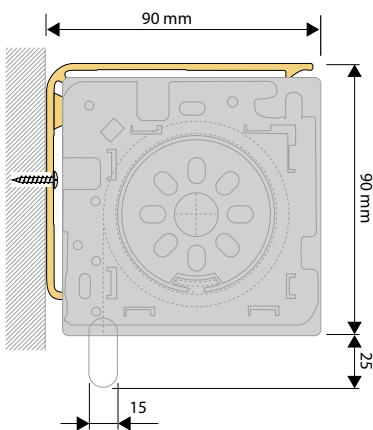
## Assembly types Medium roller blind Plus - cassette

Wall / ceiling fixation with brackets

Round cassette



Square cassette

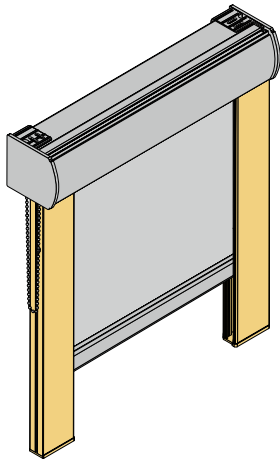


# Medium roller blind Plus

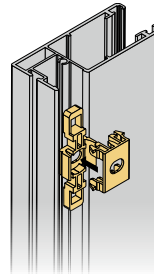
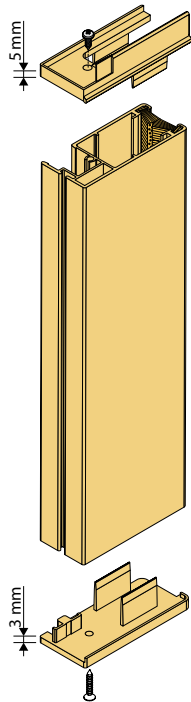
Roller blinds

## Side channels Medium roller blind - round and square cassette

### Profile guidance

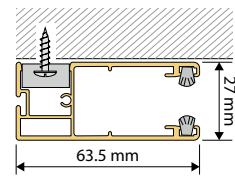


Coupled systems are available on request.

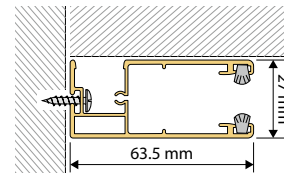


Rear view:  
Fixation with clip

### Wall fixation



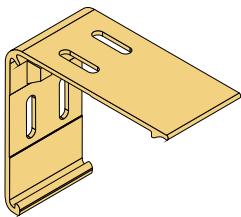
### Recess fixation



### Brush (standard)

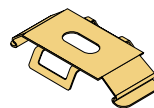
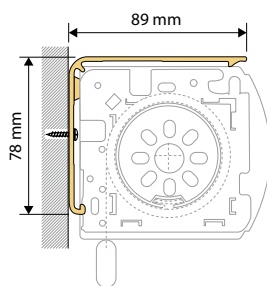
Predrilling offered for an extra charge.

### Accessories for bracket profile / cassette



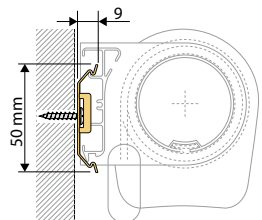
#### Wall / ceiling fixing bracket

for type cassette, metal, available in white and silver

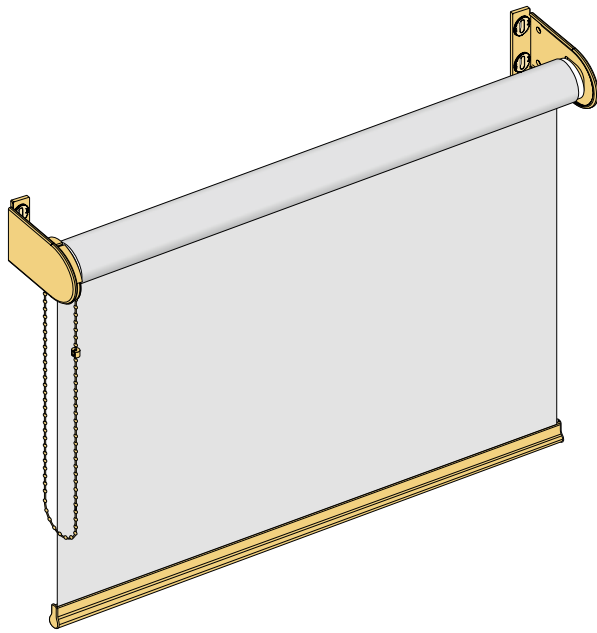


#### Clip

for type bracket profile, metal, available in silver and white



## Maxi roller blind Basis



- Customization
- Roller blind for holder fixation
- Coupled systems possible (max. width 600 cm, max. area 16 m<sup>2</sup>)
- Aluminium shaft: Ø 52 mm and Ø 65 mm with piping groove
- Cover caps and end caps in white or grey (chain in transparent or grey)
- Operating side right or left possible
- Powder-coated aluminium end profile (white RAL 9016 or grey RAL 9006)
- Bracket fixation (ceiling or wall)
- Side guidance (rope guidance) available

### RANGE OF SIZES

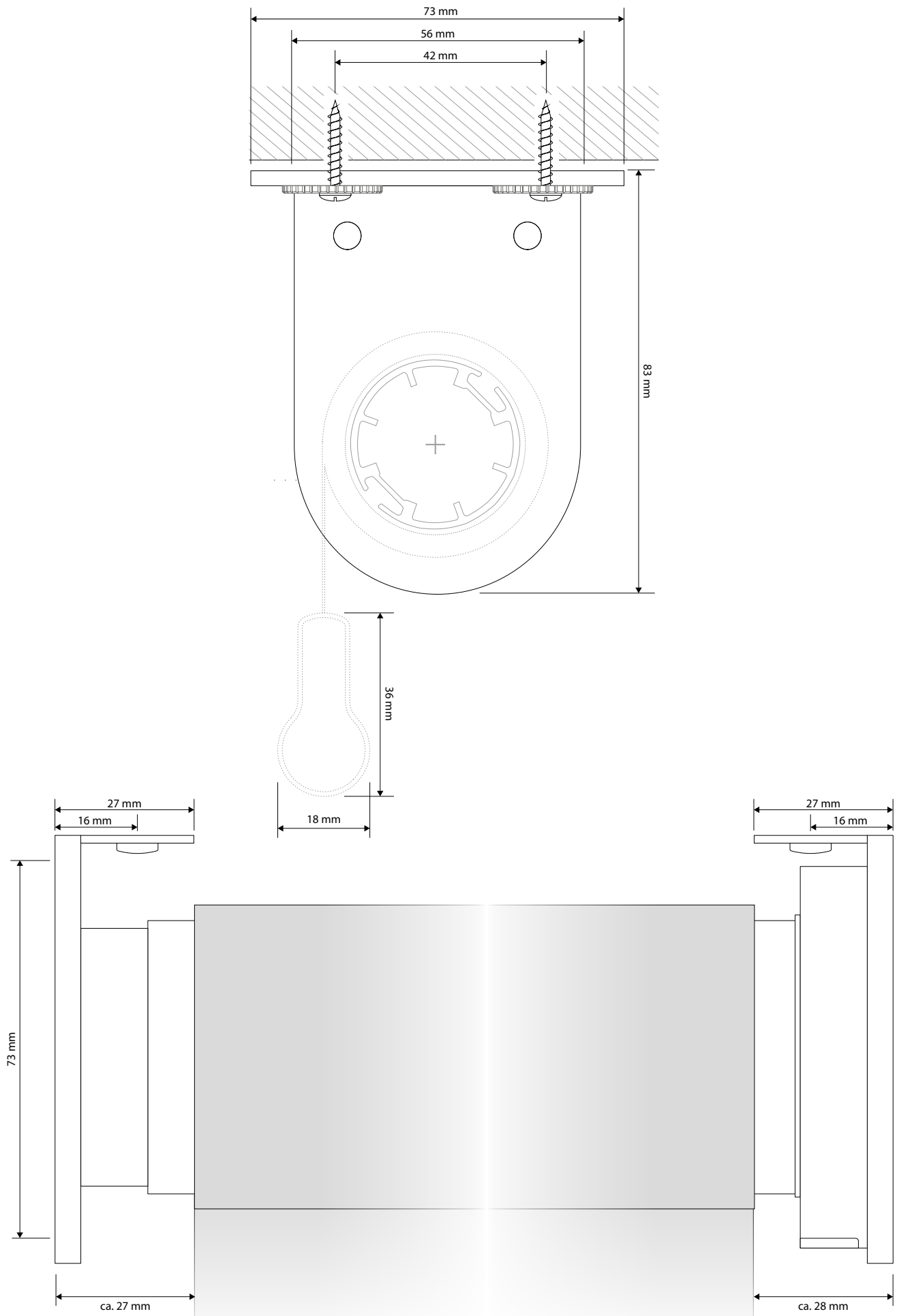
<b>Min. width</b>	40 cm
<b>Max. width</b>	440 cm*
<b>Max. height</b>	400 cm*
<b>Max. area</b>	ca. 16 m <sup>2</sup> *

\* depending on fabric

# Maxi roller blind

Roller blinds

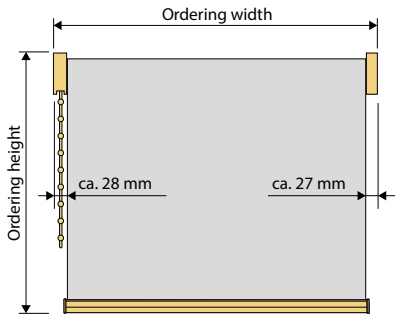
## Maxi roller blind Basis - ceiling fixation Scale 1:1



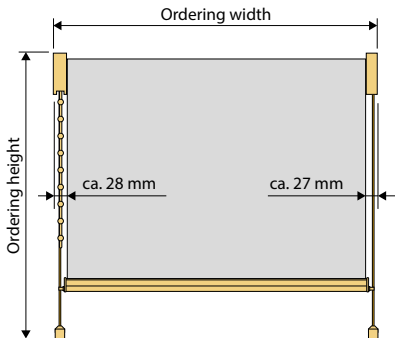


# Site measuring Maxi roller blind Basis

Site measuring and fabric deduction

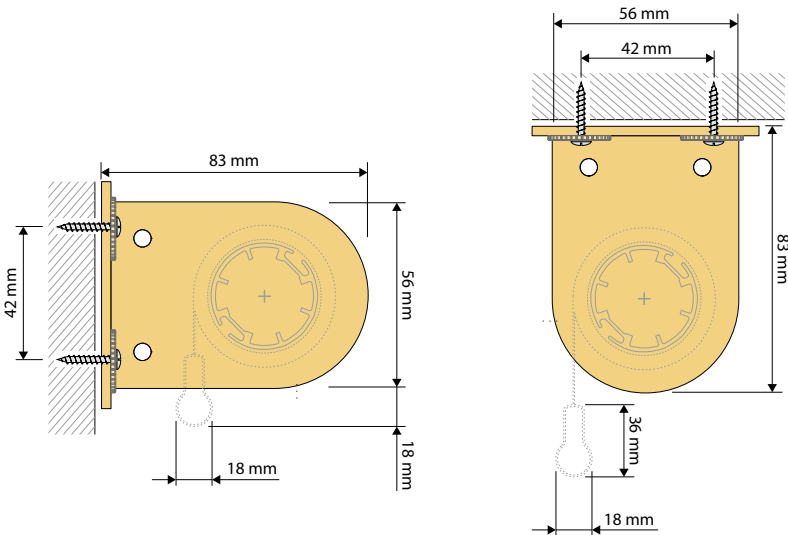


Rope guidance



# Assembly types Maxi roller blind Basis

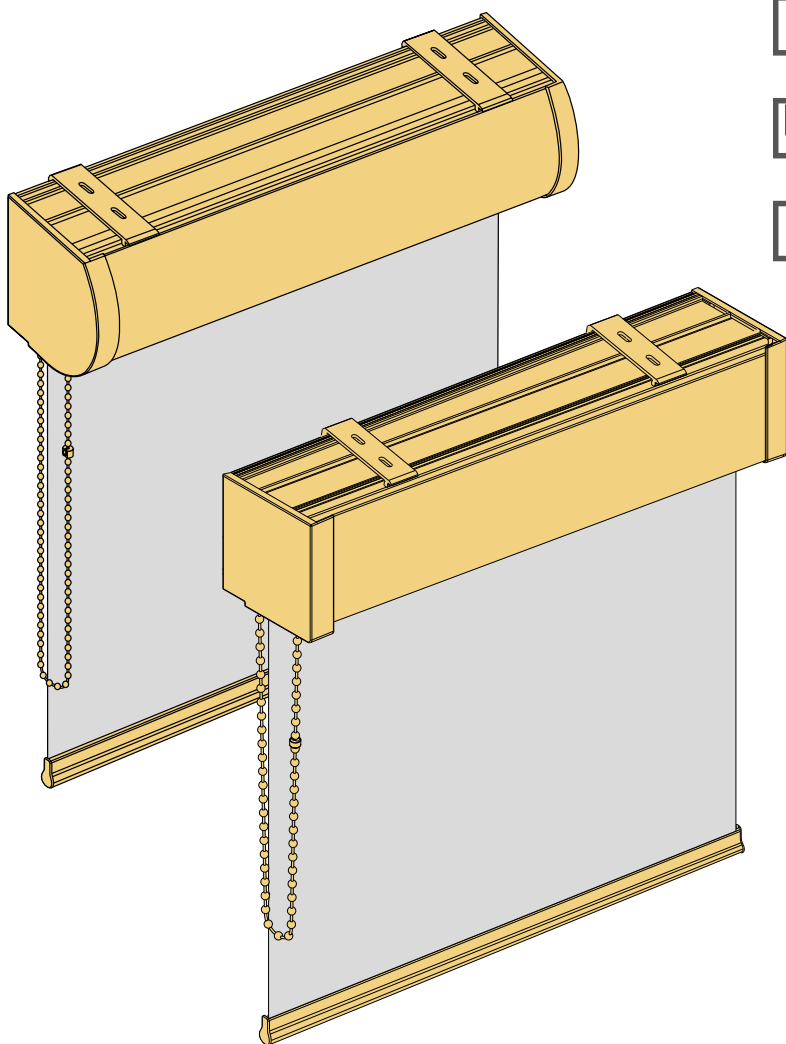
Wall / ceiling fixation with holder



# Maxi roller blind

Roller blinds

## Maxi roller blind Round and square cassette



- Customization
- Cassette roller blind (removable cap to allow inspection)
- Coupled systems possible (max. width 600 cm, max. area 16 m<sup>2</sup>)
- Aluminium shaft: Ø 52 mm and Ø 65 mm with piping groove
- Cover caps and end caps in white or grey (chain in transparent or grey)
- Operating side right or left possible
- Powder-coated aluminium profile (white RAL 9016 or grey RAL 9006)
- Bracket fixation (ceiling or wall)
- Side guiding (rope guidance and side channels) available

### RANGE OF SIZES

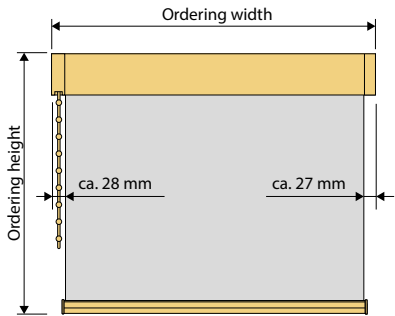
<b>Min. width</b>	40 cm
<b>Max. width</b>	440 cm*
<b>Max. height</b>	400 cm*
<b>Max. area</b>	ca. 16 m <sup>2</sup> *

\* depending on fabric

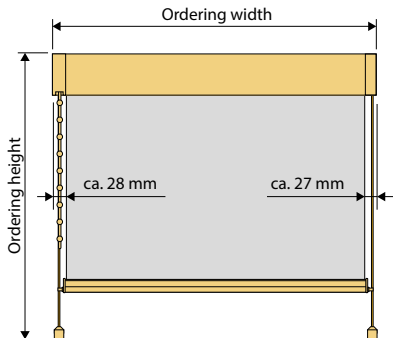
SCALE 1:1

# Site measuring Maxi roller blind - cassette

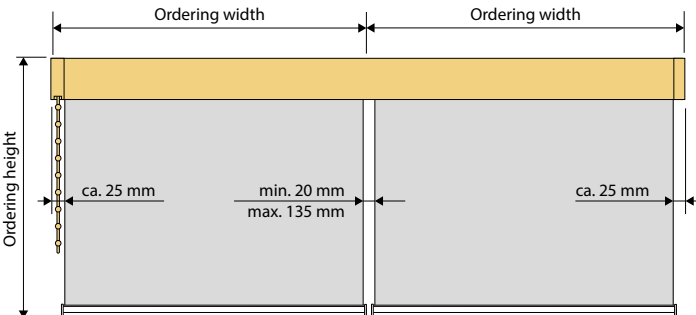
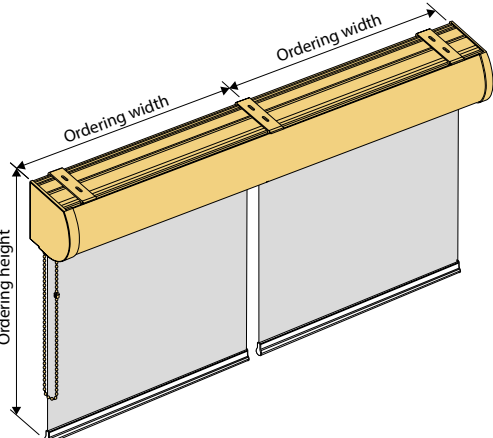
Site measuring and fabric deduction



Rope guidance



Site measuring and fabric deduction - coupled systems



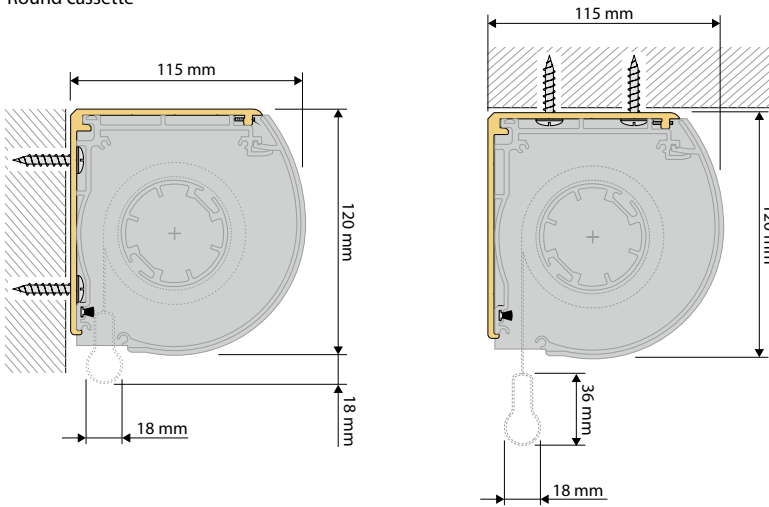
# Maxi roller blind

Roller blinds

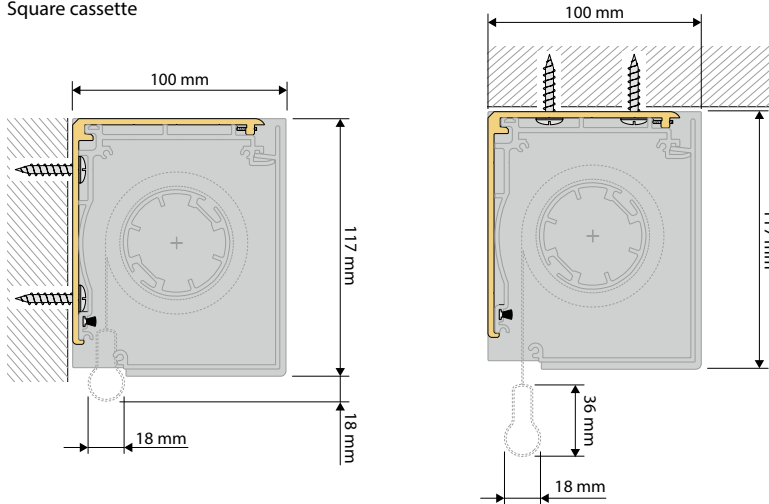
## Assembly types Maxi roller blind - cassette

Wall / ceiling fixation with brackets

Round cassette

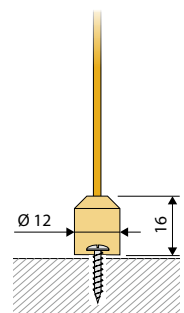
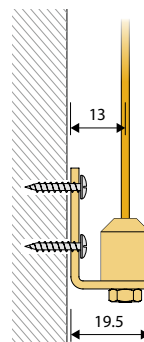
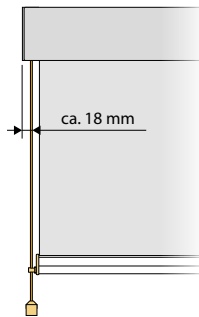
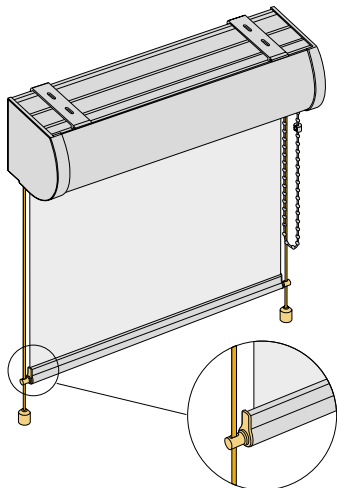


Square cassette



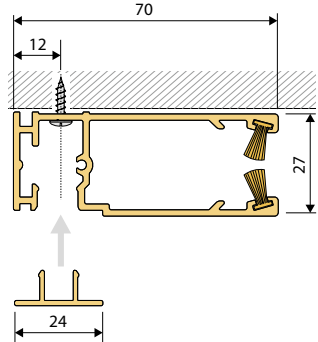
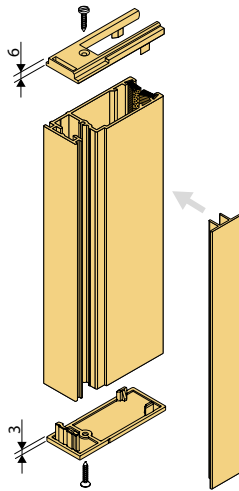
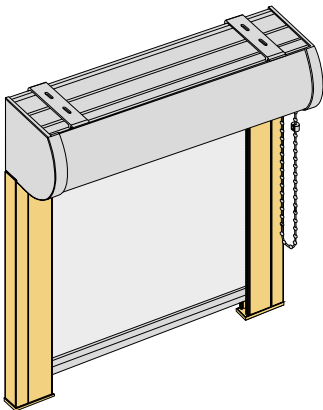
## Side guiding

Rope guidance



# Side guidance, closing profile Maxi roller blind - cassette

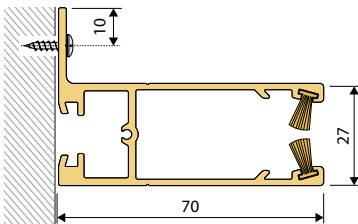
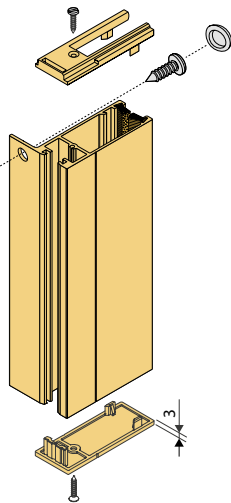
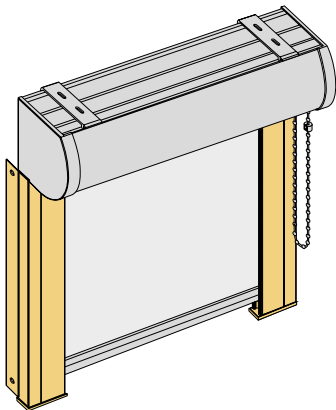
Side channels for wall fixation



Brush (standard)

Predrilling offered for an extra charge.

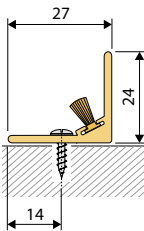
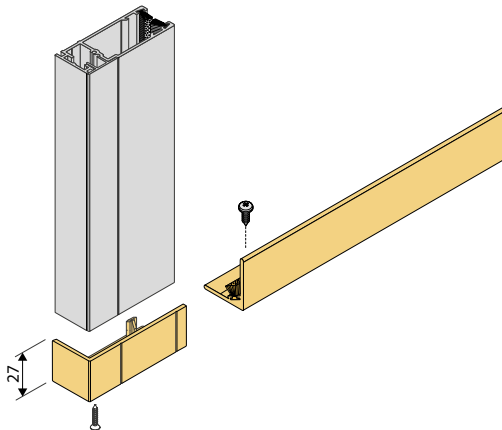
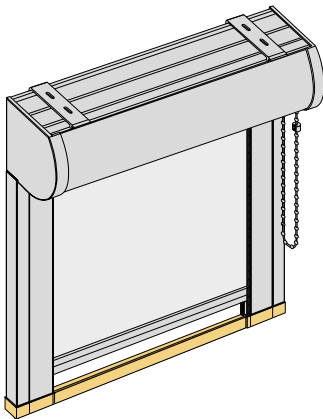
Side channels for recess fixation



Brush (standard)

Predrilling offered for an extra charge.

Closing profile



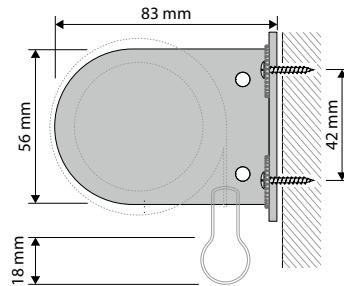
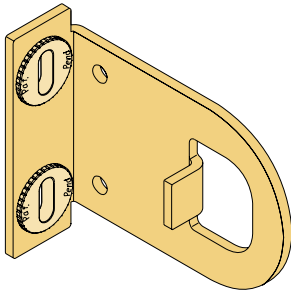
Brush (standard)

Predrilling offered for an extra charge.

# Maxi roller blind

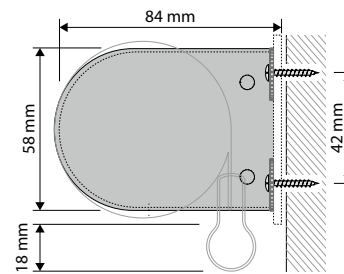
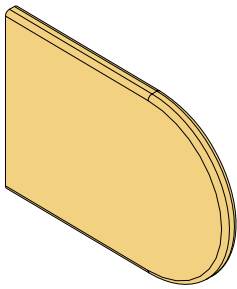
Roller blinds

## Parts Maxi roller blind Basis - cassette



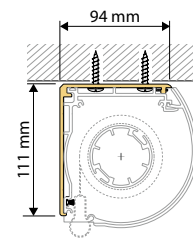
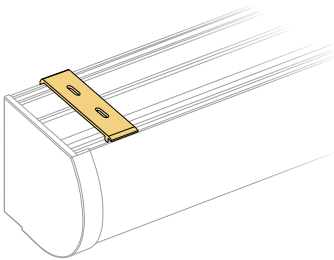
### Roller blind bracket

for type Basis, metal, available in silver



### Cover cap for roller blind bracket

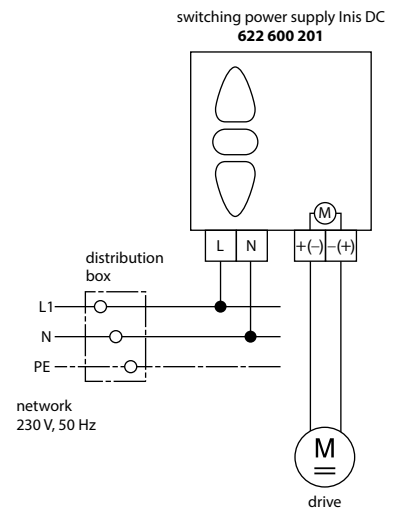
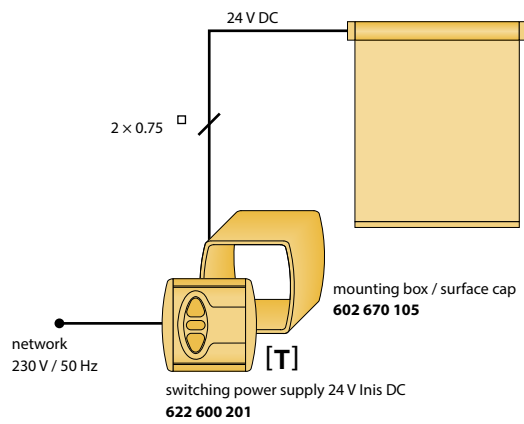
for type Basis, plastic, available in white and grey



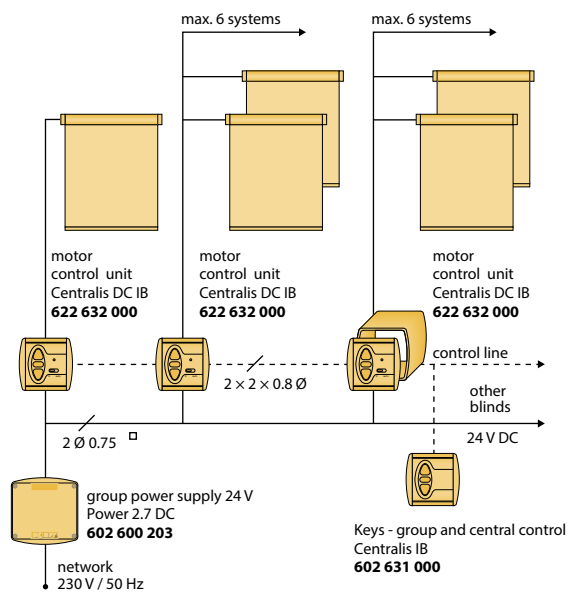
### Wall / ceiling fixing bracket

for type cassette, metal, available in white and silver

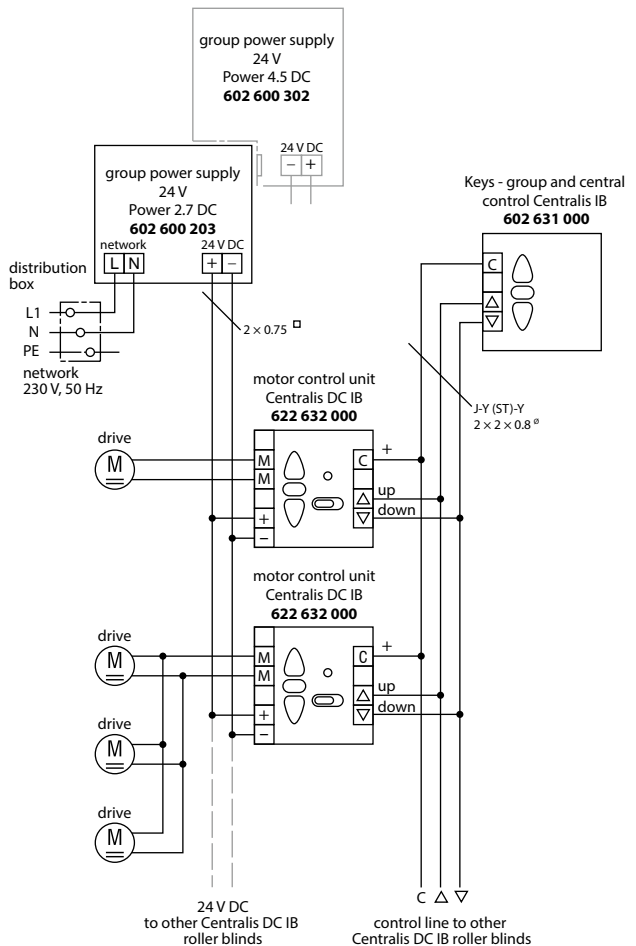
## Single operation



## Group operation



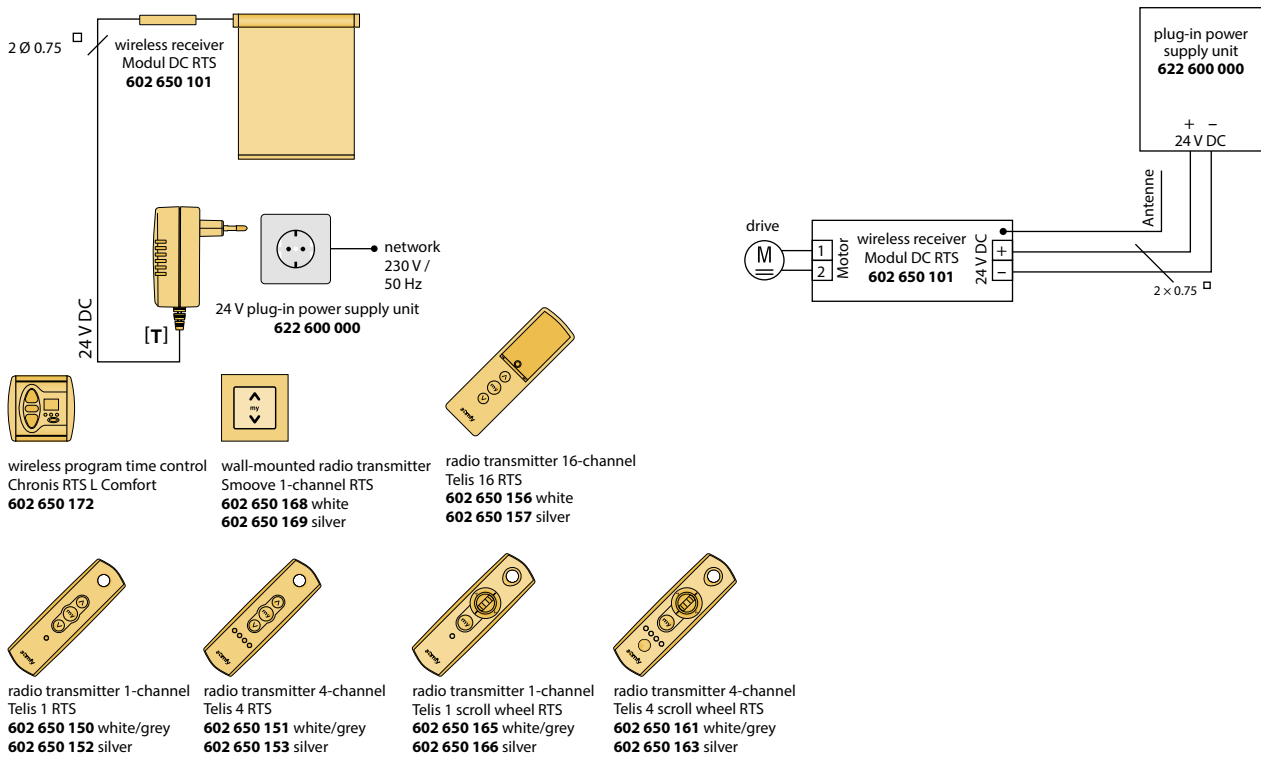
Please note maximum number of drives per power supply unit. If required, use the group power supply Power 4.5 DC.



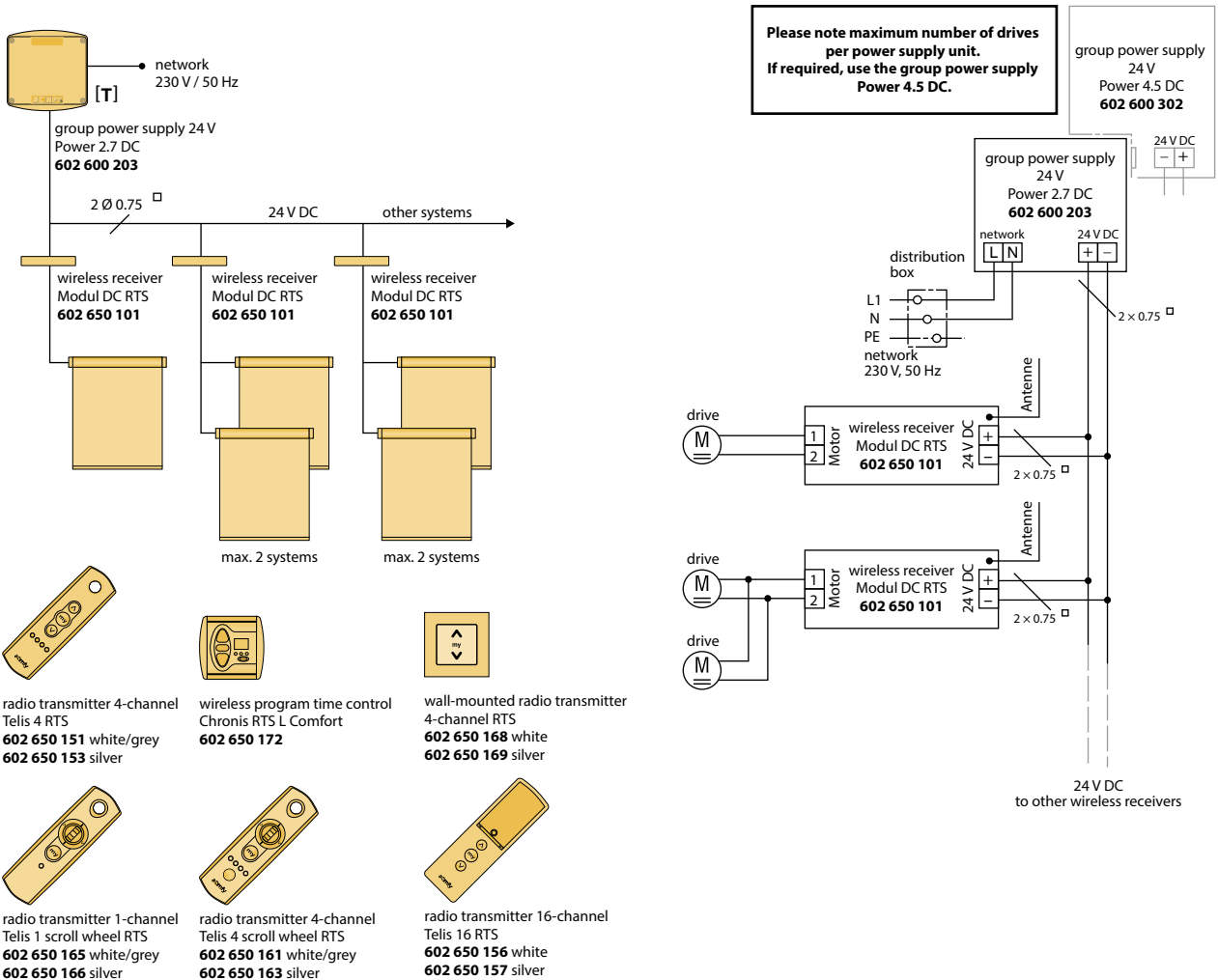
# Circuit diagrams 24 V

Roller blinds

## Single remote control

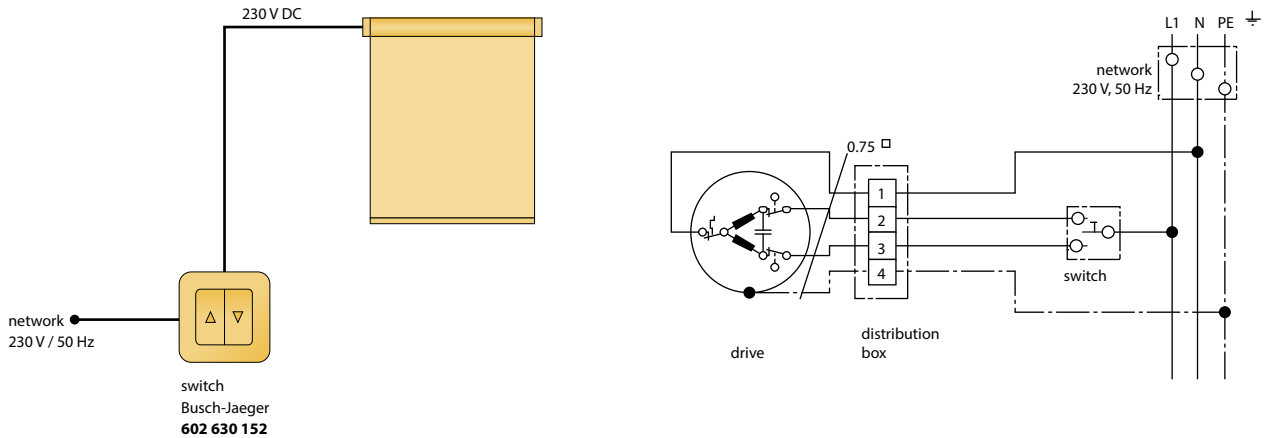


## Group remote control

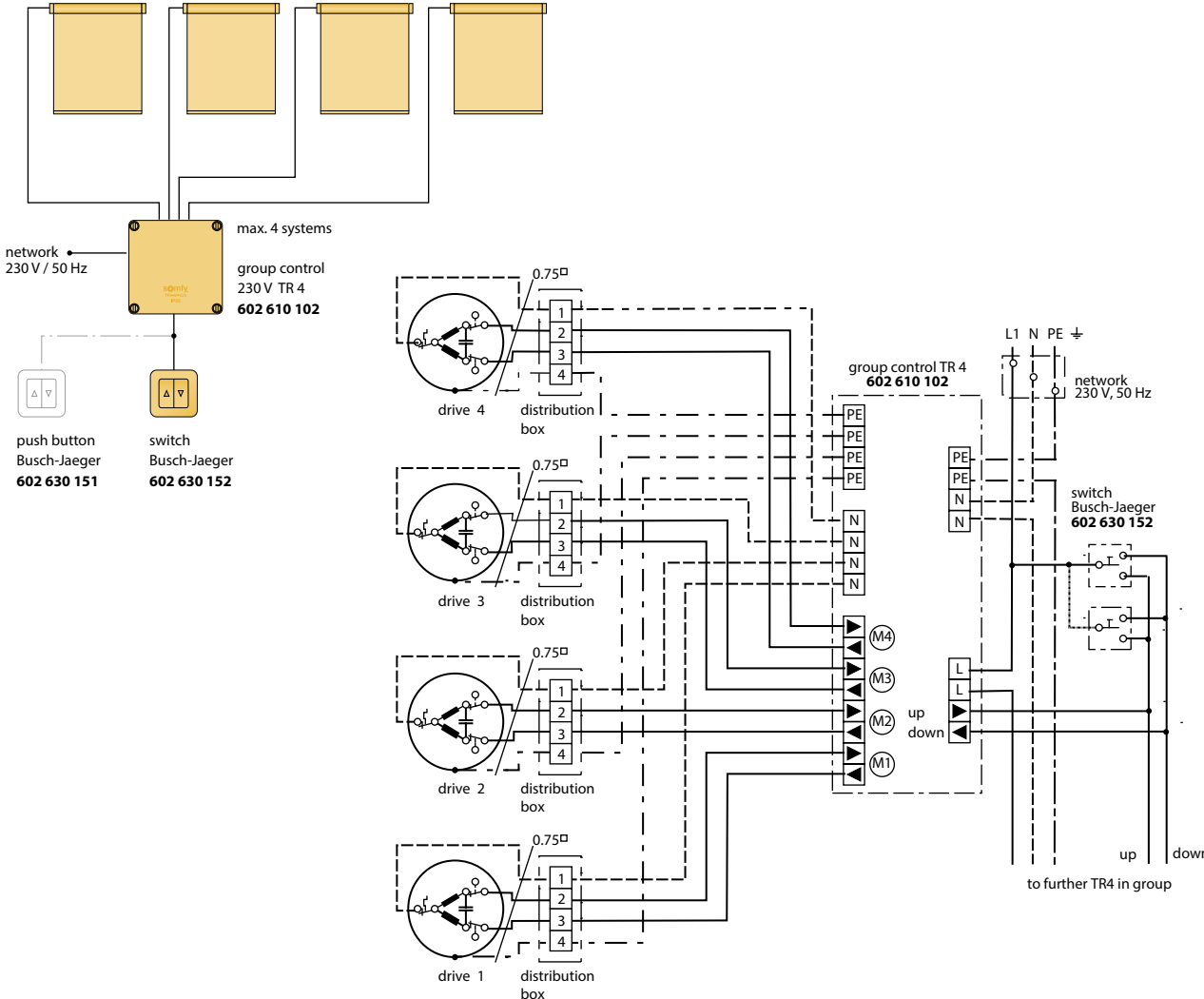




# Single operation



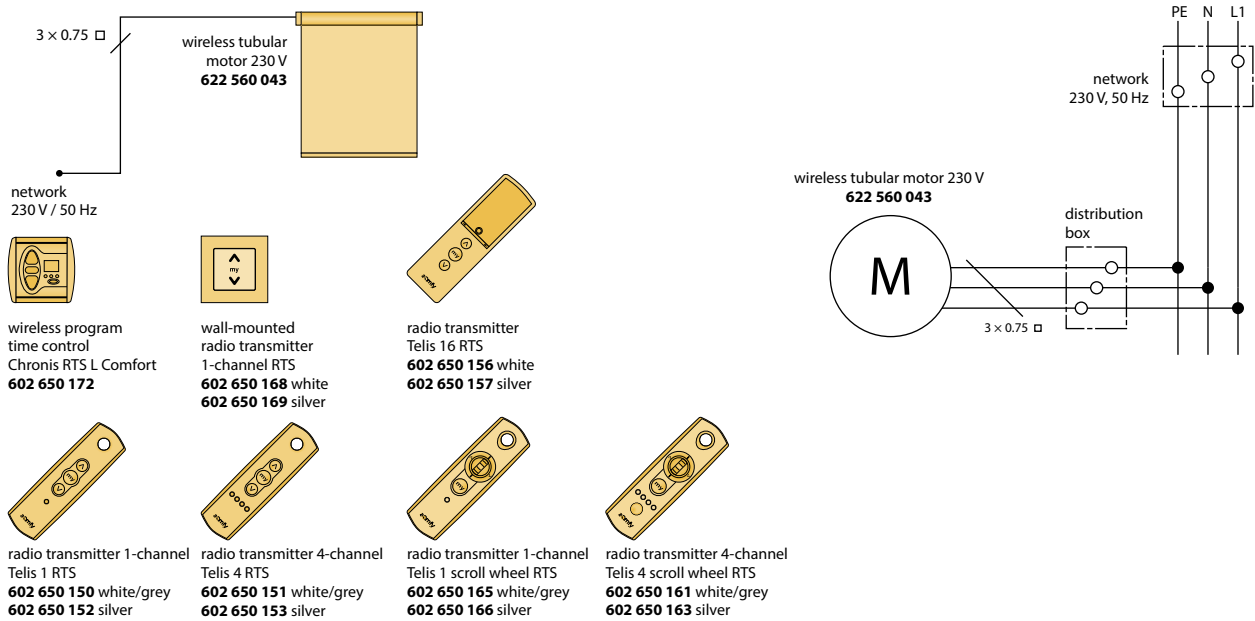
# Group operation



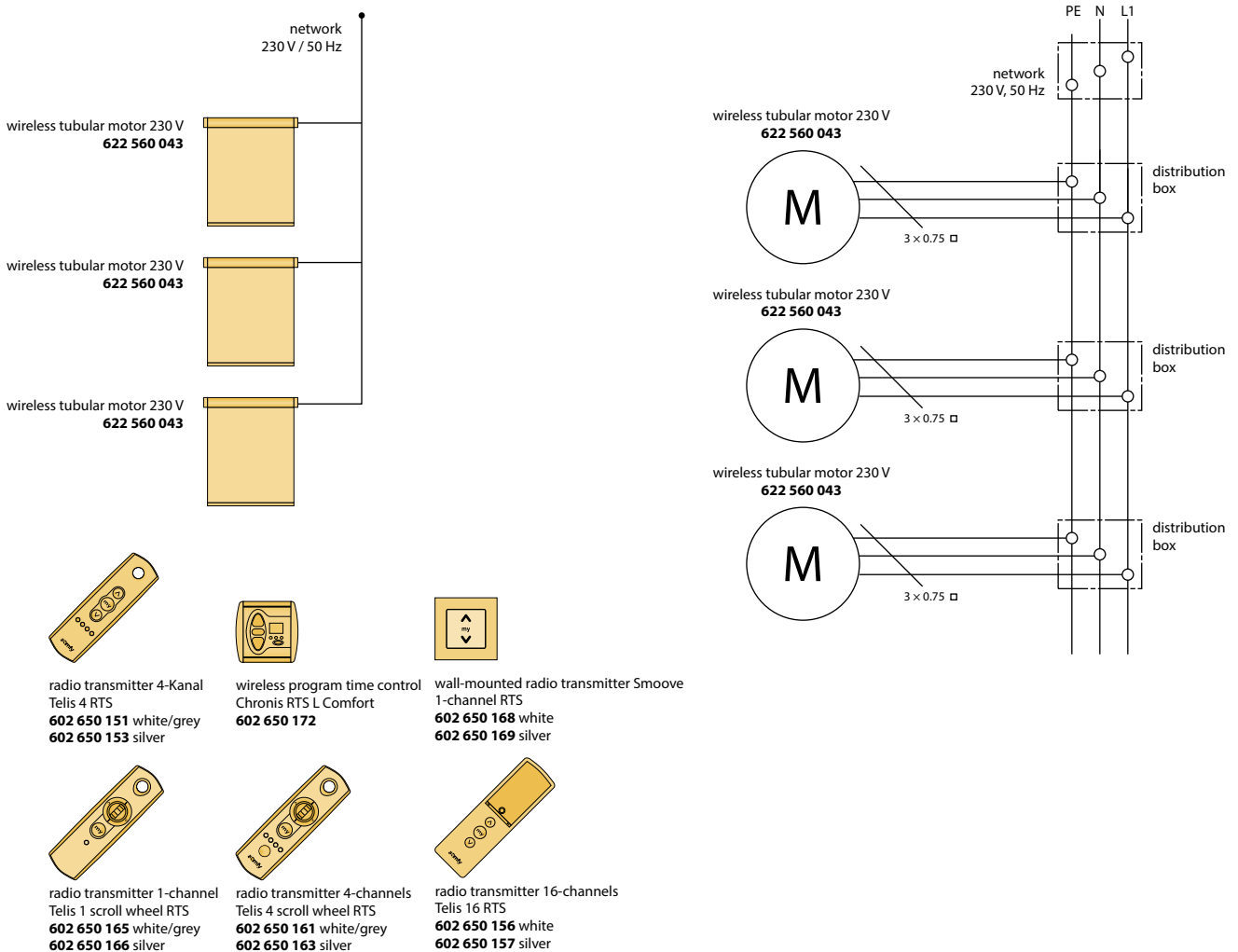
# Circuit diagrams 230 V

Roller blinds

## Single remote control



## Group remote control





## Advantages eROLLO by Qmotion

### eROLLO IS...

#### WIRELESS

No wiring required; can be retrofitted easily; works also in event of power failure

#### INNOVATIVE

Sophisticated spring technology with internal power supply

#### EASY TO ASSEMBLE

Easy and fast clip assembly of assembly profile; drive is preset and operational immediately

#### SILENT

Almost entirely soundless operation

#### COMFORTABLE

Control via radio remote control, smartphone and tablet PC; additionally manual control by pulling on hangings

#### ATTRACTIVE

Modern and straightforward design

#### SUSTAINABLE

Long battery life thanks to minimum power consumption; easy battery change

#### VERSATILE

Can be combined with all fabrics of the current erfal roller blind assortment

#### EFFECTIVE

Suitable for large window areas (max. construction size 300 x 300 cm for bracket profile variant); the room climate can be improved markedly and screen glare can be minimised when combined with modern coated fabrics



For more information, specifications for tender and fabric recommendations refer to: [www.erollo.de](http://www.erollo.de) | [www.erfal.de](http://www.erfal.de)

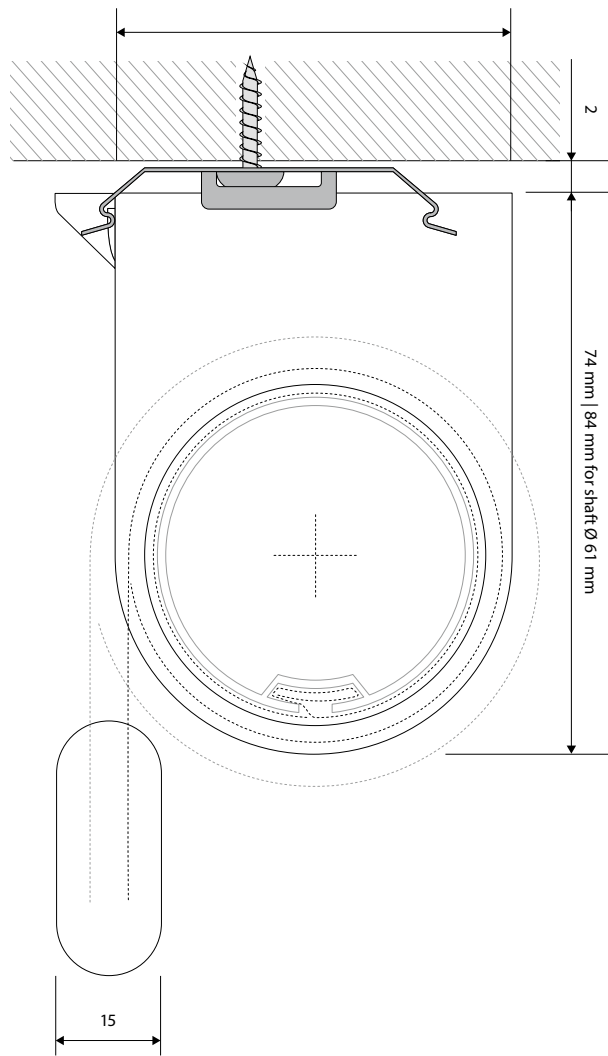


## eROLLO



- Electric roller blind - premounted on bracket profile
- Customization
- Minimum width: 65 cm
- Maximum width: 300 cm
- Maximum height: 300 cm
- Aluminium shaft Ø 51 and 61 mm
- Clip fixation
- Rope guidance - optional
- Powder-coated aluminium profiles in white RAL 9016 or silver anodized E6 / EV1
- End caps in white or grey
- For range of sizes see chapter "Roller blind", pages 3-4

**eROLLO** Scale 1:1

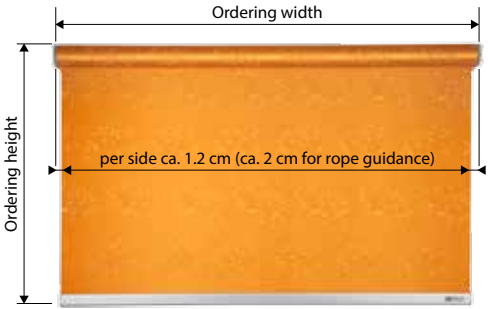


SCALE 1:1

\* 20 mm in case of rope guidance

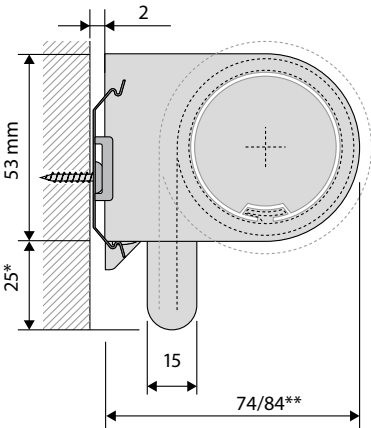


# Site measuring eROLLO

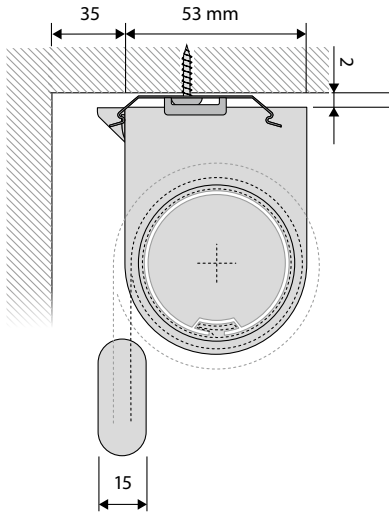


# Assembly types eROLLO

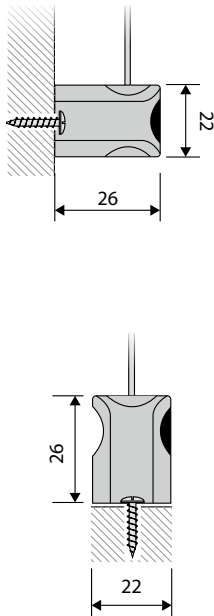
WALL FIXATION WITH CLIP (STANDARD)



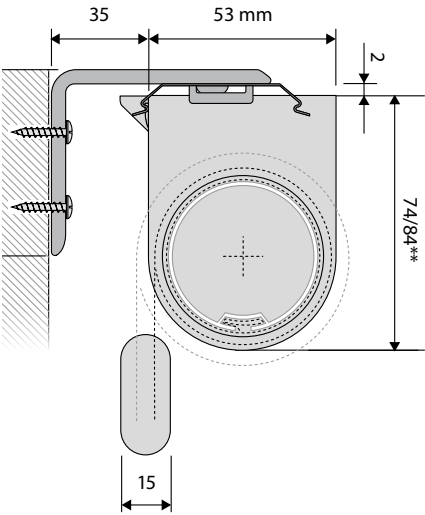
CEILING FIXATION WITH CLIP (STANDARD)



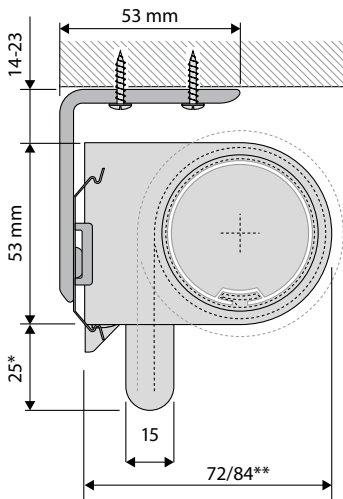
OPTION: ROPE GUIDANCE



WALL FIXATION WITH BRACKET



CEILING FIXATION WITH BRACKET



\*maximally, depending on installation height \*\*for shaft Ø61 mm

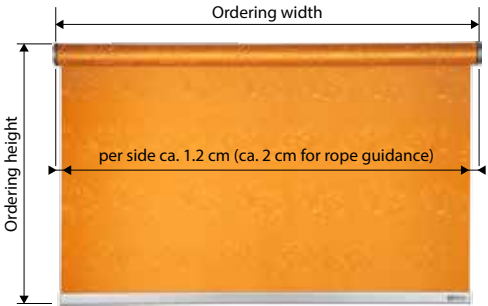
## eROLLO Design



- Electric roller blind on bracket profile premounted with design bracket (incl. ornamental cap)
- Customization
- Minimum width: 65 cm
- Maximum width: 300 cm
- Maximum height: 300 cm
- Aluminium shaft Ø 51 and 61 mm
- Clip fixation
- Rope guidance - optional
- Powder-coated aluminium profiles in silver anodized E6 / EV1
- End cap of the bottom profile in grey
- Ornamental cap standard in black; available in grey on request
- For range of sizes see chapter "Roller blind", pages 3-4

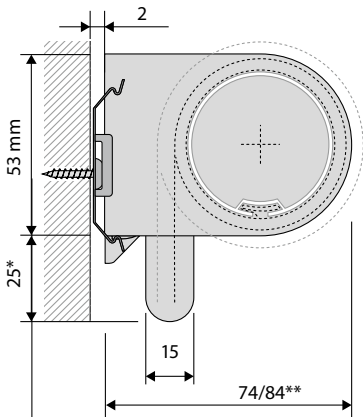


# Site measuring eROLLO Design

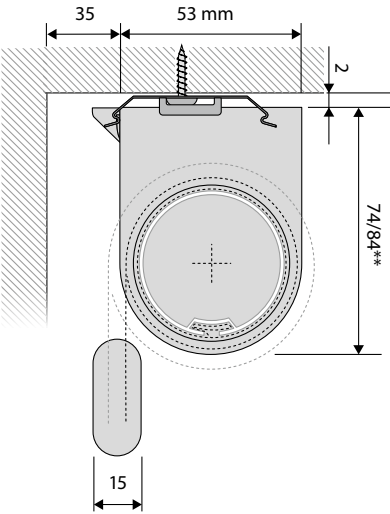


# Assembly types eROLLO Design

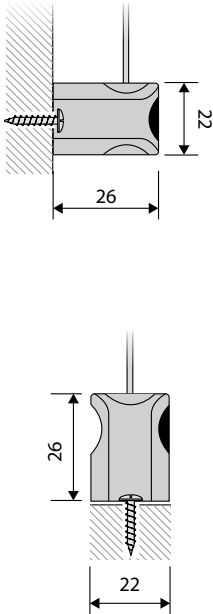
WALL FIXATION WITH CLIP (STANDARD)



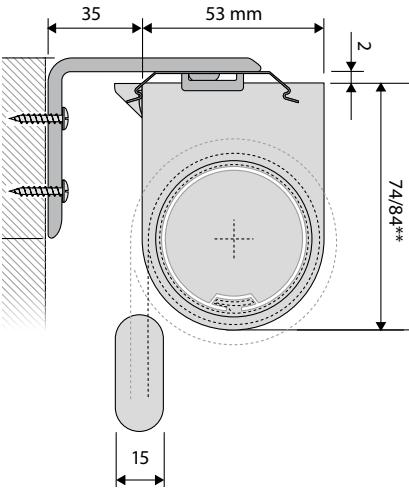
CEILING FIXATION WITH CLIP (STANDARD)



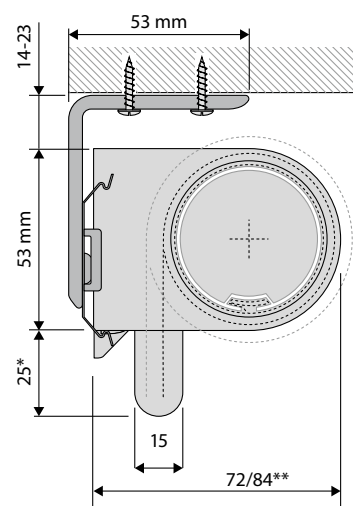
OPTION: ROPE GUIDANCE



WALL FIXATION WITH BRACKET



CEILING FIXATION WITH BRACKET



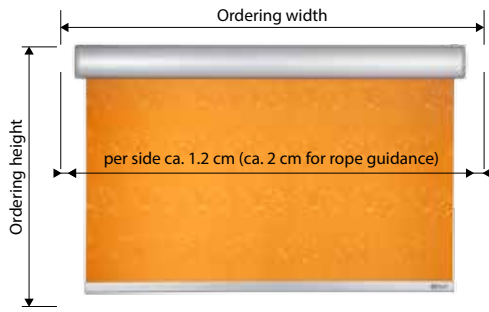
\*maximally, depending on system height\*\*for shaft Ø 61 mm

## eROLLO Cassette



- Electric roller blind with round or square cassette
- Customization
- Minimum width: 65 cm
- Maximum width: 250 cm
- Maximum height: 280 cm
- Aluminium shaft Ø 51 mm
- Bracket fixation
- Rope guidance - optional
- Powder-coated aluminium profiles in white RAL 9016 or silver anodized E6 / EV1
- End caps in white or grey
- For range of sizes see chapter "Roller blind", pages 3-4

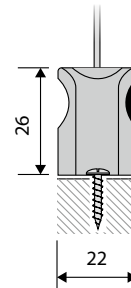
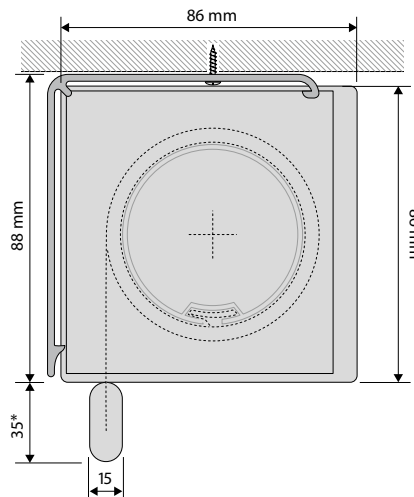
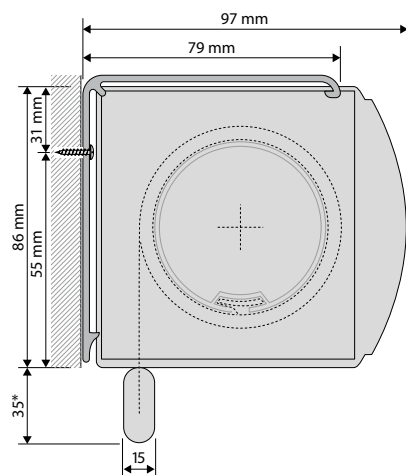
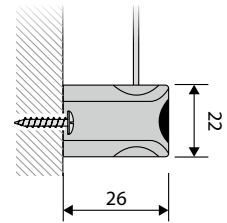
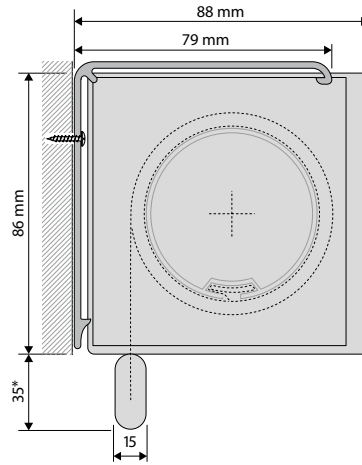
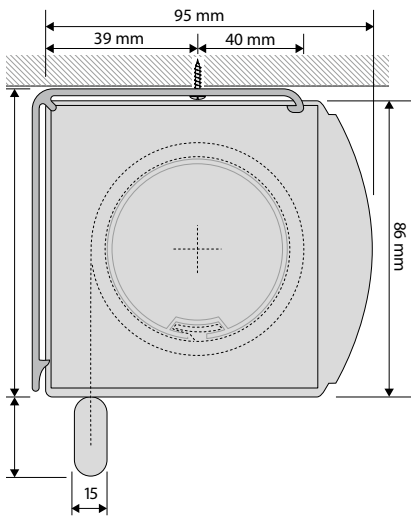
## Site measuring eROLLO Cassette



## Assembly types eROLLO Cassette

WALL / CEILING FIXATION WITH BRACKETS

OPTION: ROPE GUIDANCE





**1-channel radio transmitter Single Remote**  
 46 x 68 mm (W x H), incl. frame for wall fixation (length 80 mm, width 80 mm), plastic, white



**6-channel radio transmitter Multi Remote**  
 52 x 95 mm (W x H), incl. frame for wall fixation (length 120 mm, width 75 mm), plastic, white



**App control Qsync**  
 Qsync is the radio station for the smartphone app. Connected via the enclosed LAN cable to the router, it transmits the control signals of the app to the eROLLO blinds. 400 channels/groups, 10-15m range, metal/plastic, silver/black



**BUS control Qconnect**  
 90 x 185 x 40 mm (W x H x D), for connecting eROLLO blinds to the home automation systems and BUS systems. Qconnect processes hex or decimal values and controls individually up to 15 channels. Ports: RS232 serial, RS485 serial, potential-free contact; max. length of control line 1200 m, max. range 15 m, plastic, white



**USB signal range extender QRELAY**  
 Connected with the provided USB wall charger, the Qrelay repeats the radio signal. 10-15m range, plastic, black



**Universal holder for rope guidance**  
 18 x 26 x 22 mm (W x H x D), for wall and bottom fixation. Ornamental cap colour-matched to roller blind colour. Metal/plastic, silver



**Clip for fixation of eROLLO & eROLLO design**  
30 x 50 x 9 mm (W x H x D), for wall fixation, metal, silver.



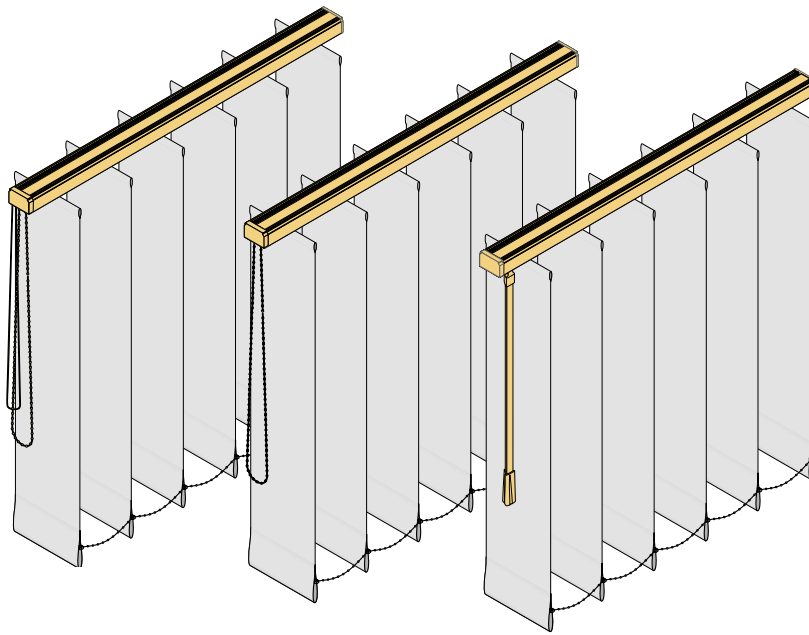
**Bracket for eROLLO & eROLLO design**  
25 x 63 x 52 mm (W x H x D), for ceiling fixation, metal



**Bracket eROLLO cassette**  
40 x 88 x 79 mm (W x H x D), for wall or ceiling fixation, metal



## Vertical blinds



Pull cord/turning chain

Monomatic

Draw bar

The made to measure vertical blinds consist of aluminium headrails and vertical slats. They can be used in office environments but also in living areas. They are a decorative design element and also provide interior sun control and privacy. They excel by smooth-running and low-noise operation and are maintenance-free.

### MONOMATIC VERTICAL BLINDS

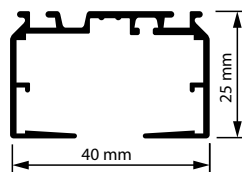
- For standard installations with max. 6 m length with horizontal and straight headrail
- High ease of use through endless chain for tilting the slats and shifting the blind

### VERTICAL BLINDS WITH 4:1 PLANETARY GEAR

- For standard installations with max. 7 m length with horizontal and straight headrail
- Also for all special solutions
- Operation chain for tilting the slats and pull-cord for shifting the blind

### DRAW BAR

- For installations with max. 6 m length with horizontal and straight headrail
- High ease of use through draw bar for tilting the slats and shifting the blind



### GUIDING RAIL (standard rail)

- Extruded aluminium rail profile, max. length 7 m
- Colour:
 

silver	technically anodized to E6/EV 1	
white	RAL 9016	powder-coated
black	RAL 9005	powder-coated
dark brown	RAL 8077	powder-coated
- Other RAL colours available

### CARRIAGE

- Hard-wearing plastic (polyacetal)
- Mounted on roller bearings, max. load 9 kg
- All movable parts permanently self-lubricating
- Spacers for uniform distances between slats made of V2A steel strip (material 1.4310)
- Slat hook and holder made of transparent unbreakable plastic (polycarbonate), exchangeable without dismantling the rail
- Ceiling slat hooks spring-supported with integrated steel spring
- End stop with releaser for removing the slat bundle

### TURNING TUBE

- Extruded aluminium
- Torsion resistant single-groove profile Ø 6 mm
- Stabilisation with stationary tube support

### KINDS OF OPERATION

Note: Not all operation variants are possible for special solutions!

- Endless chain for tilting the slats and shifting the blind
- Pull-cord/endless turning chain (4:1 planetary gear)
- Draw bar for tilting the slats and shifting the blind
- IQ 2 motor (single control, group control, central control)

### ASSEMBLY TYPES

- Ceiling fixing clips and wall fixing brackets in various variants
- Installation profile

### VERTICAL BLIND HANGINGS (see overview of fabrics)

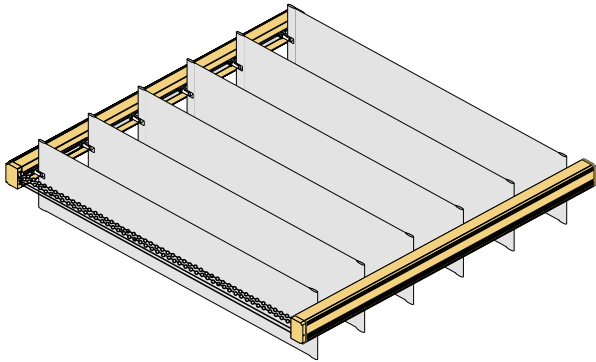
- Available colours and slat widths as offered in current assortment
- High-quality fabrics or materials with various features (e.g. flame-resistant to DIN 4102 B1 or inflammable to DIN 4102 A2, suitable for VDU work, aluminium vaporized, pearlescent coating, blackout, suitable for wet rooms, washable, decorative)
- Slat interconnection through plastic link chain or metal link chain that simply gets off the weight if overloaded and that can be easily hooked in again.
- Free-hanging slats with weights that can be inserted or welded in
- Weights made of unbreakable special plastic, suitable for wet rooms



# Product description

Vertical blinds

## Special solutions Vertical blinds



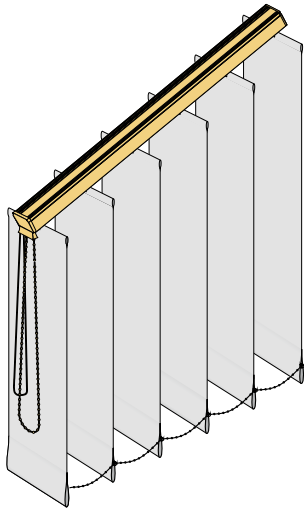
### RANGES OF SIZE

#### - Ceiling vertical

Size range:	max. length	4 m
	max. height	5 m
	max. area	20 m <sup>2</sup>

#### - Ceiling horizontal

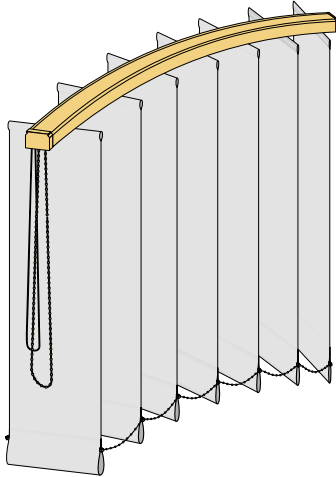
Size range:	max. length	4.5 m
	max. height	2 m
	max. area	9 m <sup>2</sup>



#### - Slope installations

Size range:	max. length	7 m
	max. height	5 m
	max. inclination	55°

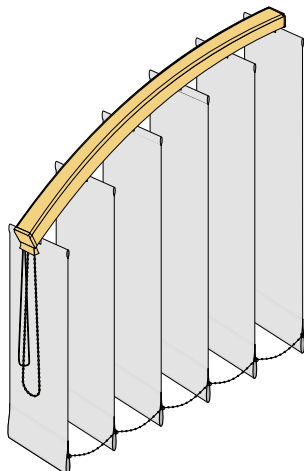
Bunch of slats: at highest side of the installation (Standard)



#### - Horizontal bent installations

Size range:	max. length	5.6 m
	max. height	5 m

Minimum radii:	127 mm slat	900 mm
	89 mm slat	650 mm
	63 mm slat	550 mm



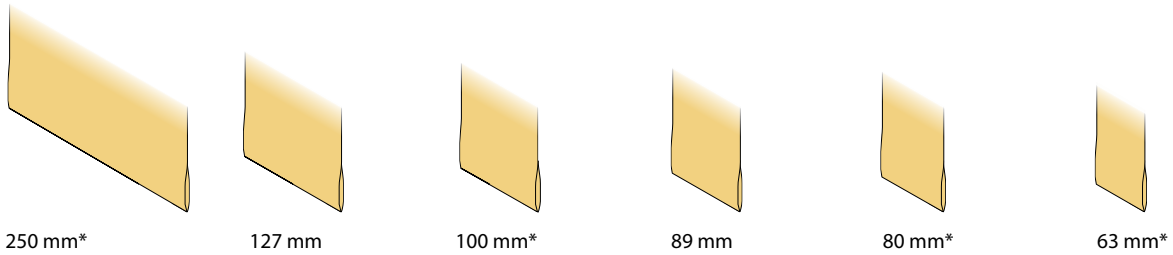
#### - Vertical bent installations

Size range:	max. length	5.6 m
	max. height	5 m
	minimum radius	500 mm
	max. inclination	55°
	(opening angle	110°)

Bunch of slats: at highest side of the installation

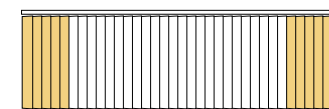
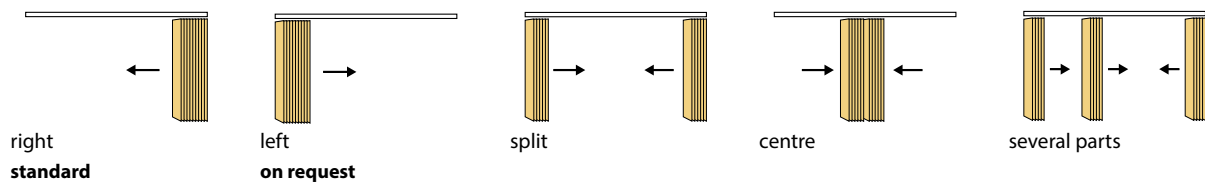


## Slat widths

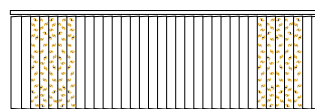


\*on request

## Hangings



with several fabrics  
of the same price group

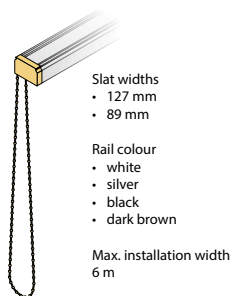


with several fabrics  
of different price groups



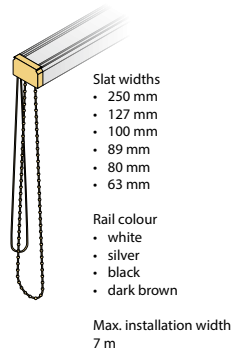
with motif (company logo, landscape, etc.)

## Operation

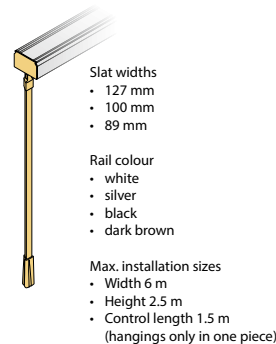


Endless chain for tilting  
and shifting (mono  
control)

⚠ Not for special solutions  
and 250 mm slat width  
**on request**

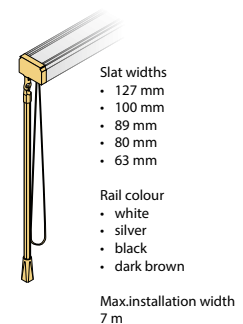


Pull cord /  
endless turning chain  
(4:1 planetary gear)  
**on request**



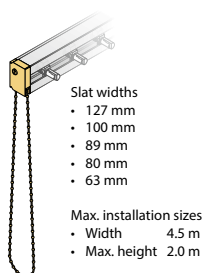
Draw bar for tilting and  
shifting (mono control)

⚠ Not for special solutions  
and 250 mm slat width  
**on request**



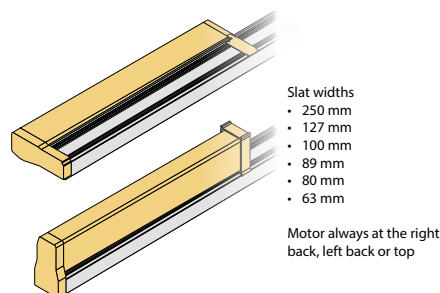
Pull cord / turning rod

⚠ Not for special solutions  
and 250 mm slat width  
**on request**



Additional control for tilting of  
horizontal ceiling installations

⚠ Not for 250 mm slat width

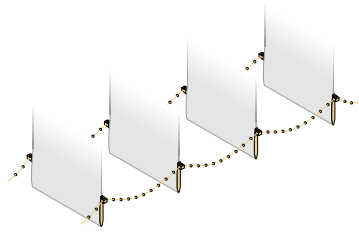


IQ2 motor drive for tilting and shifting

# Kinds of equipment

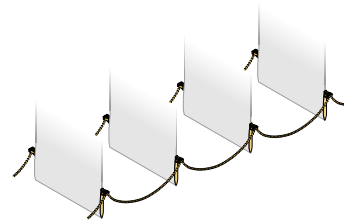
Vertical blinds

## Slat end

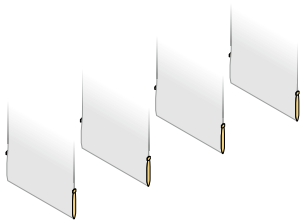


Slat with weight and plastic connecting chain

**standard**



Slat with weight and metal connecting chain

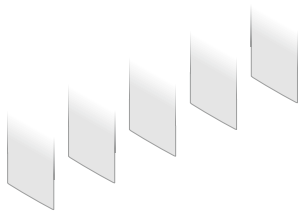


Free-hanging slat with weight without eyelets

**on request**



Free-hanging slat with welded-in weight




Free-hanging slat with cut edge for end profile

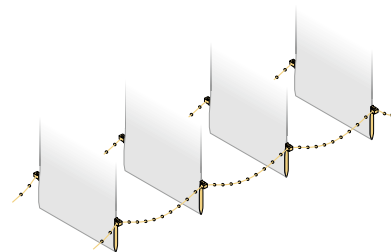
**standard**

## Slats - ready-made

(MAX. 30 SLATS PER HANGING)

The prefabrication comprises installation of weights in the slats and interconnection with the connecting chains.

 Not suitable for all types of fabric (fabrics to be inquired).



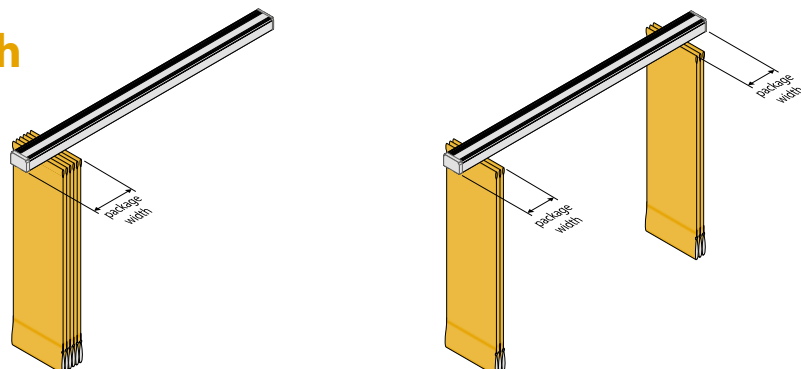
## Slat width 127 mm

		hanging				hanging				hanging	
		one-piece	in two pieces			one-piece	in two pieces			one-piece	in two pieces
until product width	number of slats	package width	package width	until product width	number of slats	package width	package width	until product width	number of slats	package width	package width
36.3 cm	3	9.5 cm		264.3 cm	23	26.5 cm		492.3 cm	43	43.5 cm	
47.7 cm	4	10.5 cm	2 × 8.5 cm	275.7 cm	24	27.5 cm	2 × 17.0 cm	503.7 cm	44	44.5 cm	2 × 25.5 cm
59.1 cm	5	11.0 cm		287.1 cm	25	28.0 cm		515.1 cm	45	45.0 cm	
70.5 cm	6	12.0 cm	2 × 9.5 cm	298.5 cm	26	29.0 cm	2 × 18.0 cm	526.5 cm	46	46.0 cm	2 × 26.5 cm
81.9 cm	7	13.0 cm		309.9 cm	27	30.0 cm		537.9 cm	47	47.0 cm	
93.3 cm	8	13.5 cm	2 × 10.5 cm	321.3 cm	28	30.5 cm	2 × 19.0 cm	549.3 cm	48	47.5 cm	2 × 27.5 cm
104.7 cm	9	14.5 cm		332.7 cm	29	31.5 cm		560.7 cm	49	48.5 cm	
116.1 cm	10	15.5 cm	2 × 11.0 cm	344.1 cm	30	32.5 cm	2 × 19.5 cm	572.1 cm	50	49.5 cm	2 × 28.0 cm
127.5 cm	11	16.0 cm		355.5 cm	31	33.0 cm		583.5 cm	51	50.0 cm	
138.9 cm	12	17.0 cm	2 × 12.0 cm	366.9 cm	32	34.0 cm	2 × 20.5 cm	594.9 cm	52	51.0 cm	2 × 29.0 cm
150.3 cm	13	18.0 cm		378.3 cm	33	35.0 cm		606.3 cm	53	52.0 cm	
161.7 cm	14	19.0 cm	2 × 13.0 cm	389.7 cm	34	36.0 cm	2 × 21.5 cm	617.7 cm	54	53.0 cm	2 × 30.0 cm
173.1 cm	15	19.5 cm		401.1 cm	35	36.5 cm		629.1 cm	55	53.5 cm	
184.5 cm	16	20.5 cm	2 × 13.5 cm	412.5 cm	36	37.5 cm	2 × 22.0 cm	640.5 cm	56	54.5 cm	2 × 30.5 cm
195.9 cm	17	21.5 cm		423.9 cm	37	38.5 cm		651.9 cm	57	55.5 cm	
207.3 cm	18	22.0 cm	2 × 14.5 cm	435.3 cm	38	39.0 cm	2 × 23.0 cm	663.3 cm	58	56.0 cm	2 × 31.5 cm
218.7 cm	19	23.0 cm		446.7 cm	39	40.0 cm		674.7 cm	59	57.0 cm	
230.1 cm	20	24.0 cm	2 × 15.5 cm	458.1 cm	40	41.0 cm	2 × 24.0 cm	686.1 cm	60	58.0 cm	2 × 32.5 cm
241.5 cm	21	24.5 cm		469.5 cm	41	41.5 cm		697.5 cm	61	58.5 cm	
252.9 cm	22	25.5 cm	2 × 16.0 cm	480.9 cm	42	42.5 cm	2 × 24.5 cm	700.0 cm	62	59.5 cm	2 × 33.0 cm

## Slat width 89 mm

		hanging				hanging				hanging	
		one-piece	in two pieces			one-piece	in two pieces			one-piece	in two pieces
until product width	number of slats	package width	package width	until product width	number of slats	package width	package width	until product width	number of slats	package width	package width
25.5 cm	3	7.5 cm		262.5 cm	33	33.0 cm		499.5 cm	63	58.5 cm	
33.4 cm	4	8.5 cm	2 × 6.5 cm	270.4 cm	34	34.0 cm	2 × 19.5 cm	507.4 cm	64	59.5 cm	2 × 32.0 cm
41.3 cm	5	9.0 cm		278.3 cm	35	34.5 cm		515.3 cm	65	60.0 cm	
49.2 cm	6	10.0 cm	2 × 7.5 cm	286.2 cm	36	35.5 cm	2 × 20.0 cm	523.2 cm	66	61.0 cm	2 × 33.0 cm
57.1 cm	7	11.0 cm		294.1 cm	37	36.5 cm		531.1 cm	67	62.0 cm	
65.0 cm	8	11.5 cm	2 × 8.5 cm	302.0 cm	38	37.0 cm	2 × 21.0 cm	539.0 cm	68	62.5 cm	2 × 34.0 cm
72.9 cm	9	12.5 cm		309.9 cm	39	38.0 cm		546.9 cm	69	63.5 cm	
80.8 cm	10	13.5 cm	2 × 9.0 cm	317.8 cm	40	39.0 cm	2 × 22.0 cm	554.8 cm	70	64.5 cm	2 × 34.5 cm
88.7 cm	11	14.0 cm		325.7 cm	41	39.5 cm		562.7 cm	71	65.0 cm	
96.6 cm	12	15.0 cm	2 × 10.0 cm	333.6 cm	42	40.5 cm	2 × 22.5 cm	570.6 cm	72	66.0 cm	2 × 35.5 cm
104.5 cm	13	16.0 cm		341.5 cm	43	41.5 cm		578.5 cm	73	67.0 cm	
112.4 cm	14	17.0 cm	2 × 11.0 cm	349.4 cm	44	42.5 cm	2 × 23.5 cm	586.4 cm	74	68.0 cm	2 × 36.5 cm
120.3 cm	15	17.5 cm		357.3 cm	45	43.0 cm		594.3 cm	75	68.5 cm	
128.2 cm	16	18.5 cm	2 × 11.5 cm	365.2 cm	46	44.0 cm	2 × 24.5 cm	602.2 cm	76	69.5 cm	2 × 37.0 cm
136.1 cm	17	19.5 cm		373.1 cm	47	45.0 cm		610.1 cm	77	70.5 cm	
144.0 cm	18	20.0 cm	2 × 12.5 cm	381.0 cm	48	45.5 cm	2 × 25.5 cm	618.0 cm	78	71.0 cm	2 × 38.0 cm
151.9 cm	19	21.0 cm		388.9 cm	49	46.5 cm		625.9 cm	79	72.0 cm	
159.8 cm	20	22.0 cm	2 × 13.5 cm	396.8 cm	50	47.5 cm	2 × 26.0 cm	633.8 cm	80	73.0 cm	2 × 39.0 cm
167.7 cm	21	22.5 cm		404.7 cm	51	48.0 cm		641.7 cm	81	73.5 cm	
175.6 cm	22	23.5 cm	2 × 14.0 cm	412.6 cm	52	49.0 cm	2 × 27.0 cm	649.6 cm	82	74.5 cm	2 × 39.5 cm
183.5 cm	23	24.5 cm		420.5 cm	53	50.0 cm		657.5 cm	83	75.5 cm	
191.4 cm	24	25.5 cm	2 × 15.0 cm	428.4 cm	54	51.0 cm	2 × 28.0 cm	665.4 cm	84	76.5 cm	2 × 40.5 cm
199.3 cm	25	26.0 cm		436.3 cm	55	51.5 cm		673.3 cm	85	77.0 cm	
207.2 cm	26	27.0 cm	2 × 16.0 cm	444.2 cm	56	52.5 cm	2 × 28.5 cm	681.2 cm	86	78.0 cm	2 × 41.5 cm
215.1 cm	27	28.0 cm		452.1 cm	57	53.5 cm		689.1 cm	87	79.0 cm	
223.0 cm	28	28.5 cm	2 × 17.0 cm	460.0 cm	58	54.0 cm	2 × 29.5 cm	697.0 cm	88	79.5 cm	2 × 42.5 cm
230.9 cm	29	29.5 cm		467.9 cm	59	55.0 cm		700.0 cm	89	80.5 cm	
238.8 cm	30	30.5 cm	2 × 17.5 cm	475.8 cm	60	56.0 cm	2 × 30.5 cm				
246.7 cm	31	31.0 cm		483.7 cm	61	56.5 cm					
254.6 cm	32	32.0 cm	2 × 18.5 cm	491.6 cm	62	57.5 cm	2 × 31.0 cm				

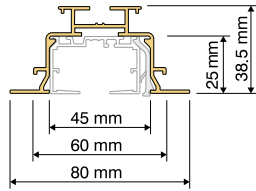
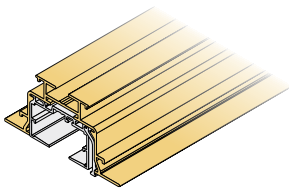
## Bunch width



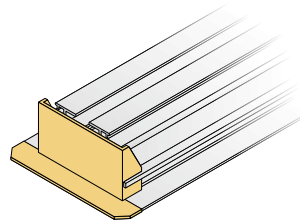
# Fixation examples

Vertical blinds

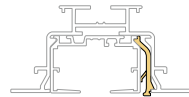
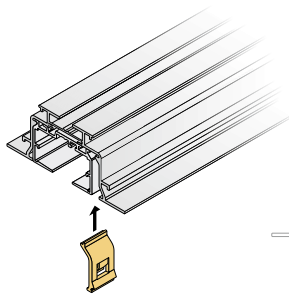
## Mounting examples Vertical blinds



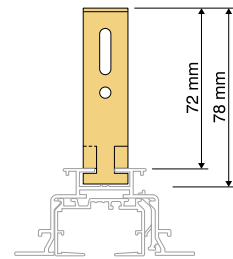
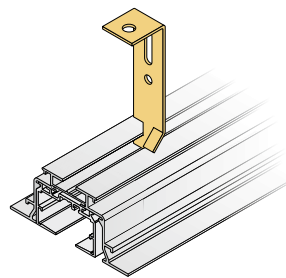
Installation profile



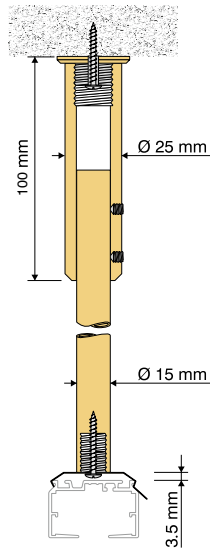
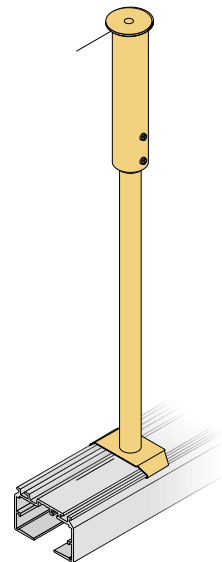
End cap for installation profile



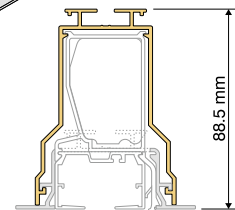
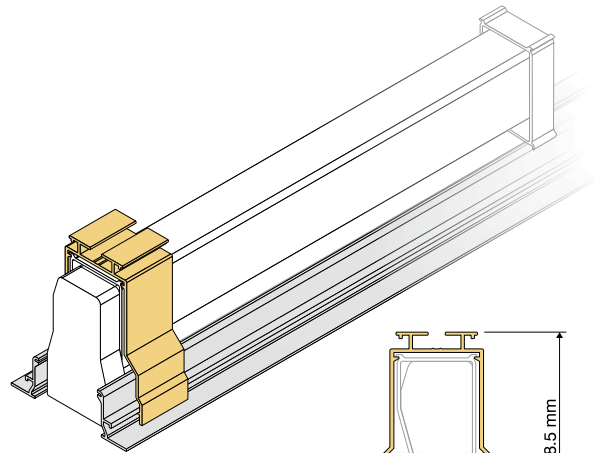
Clamping fixture



Installation profile bracket



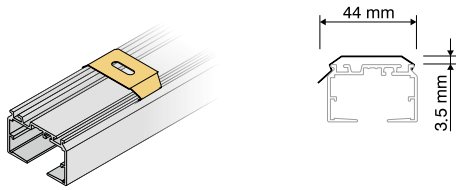
Hanger wire with fixing clip



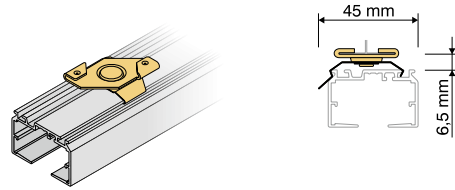
Motor holder for installation profile

# Fixation examples

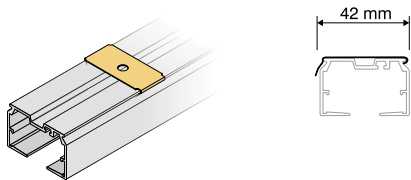
Vertical blinds



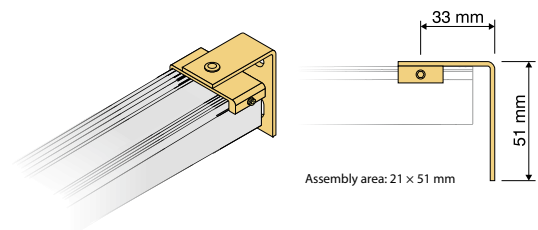
**Cropped fixing clip with oval hole**



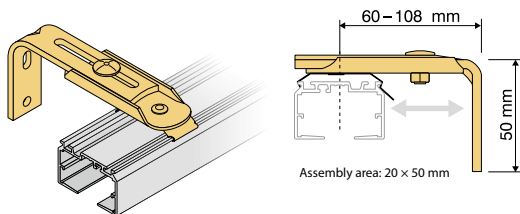
**Monomatic high-speed assembly clip with cropped fixing clip**



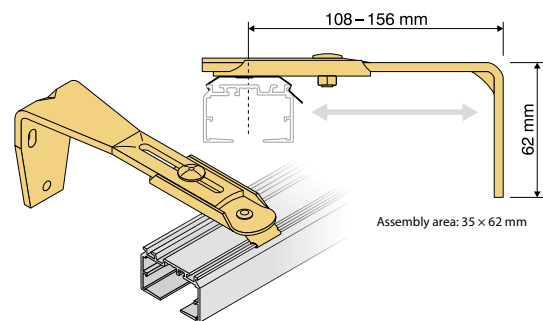
**Flat fixing clip with round hole**



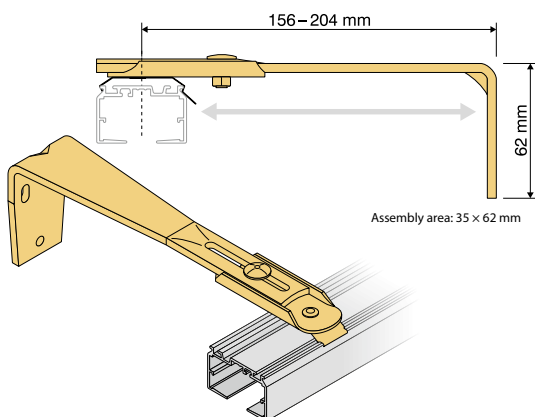
**Wall fixing bracket for recess fixation**



**Wall fixing bracket 60-108 mm**

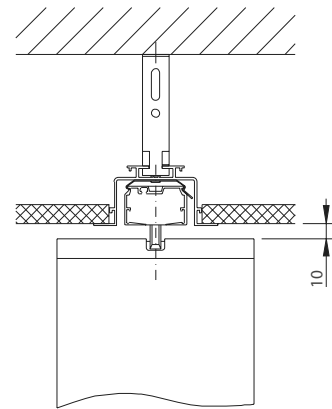
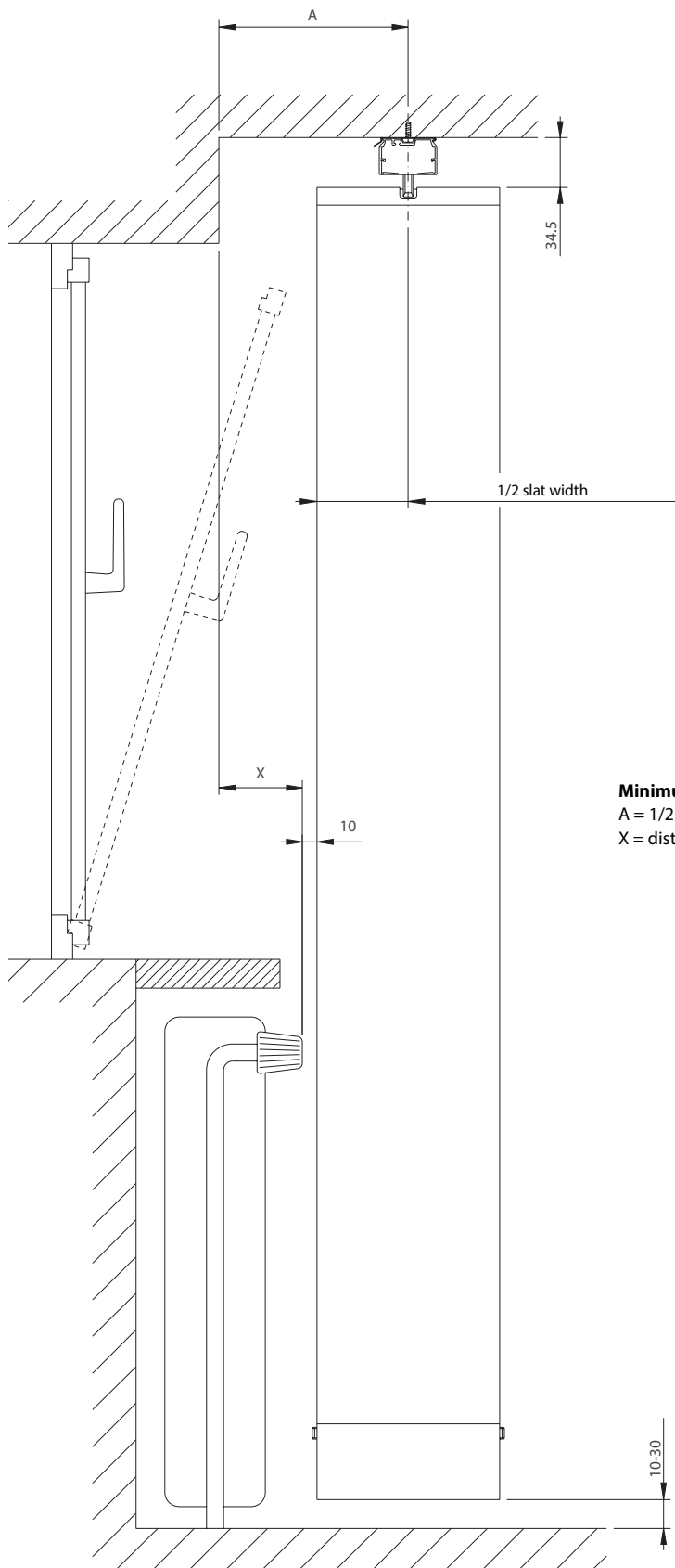


**Wall fixing bracket 108-108 mm**



**Wall fixing bracket 156-108 mm**

# Installation dimensions and minimum distances Vertical blinds

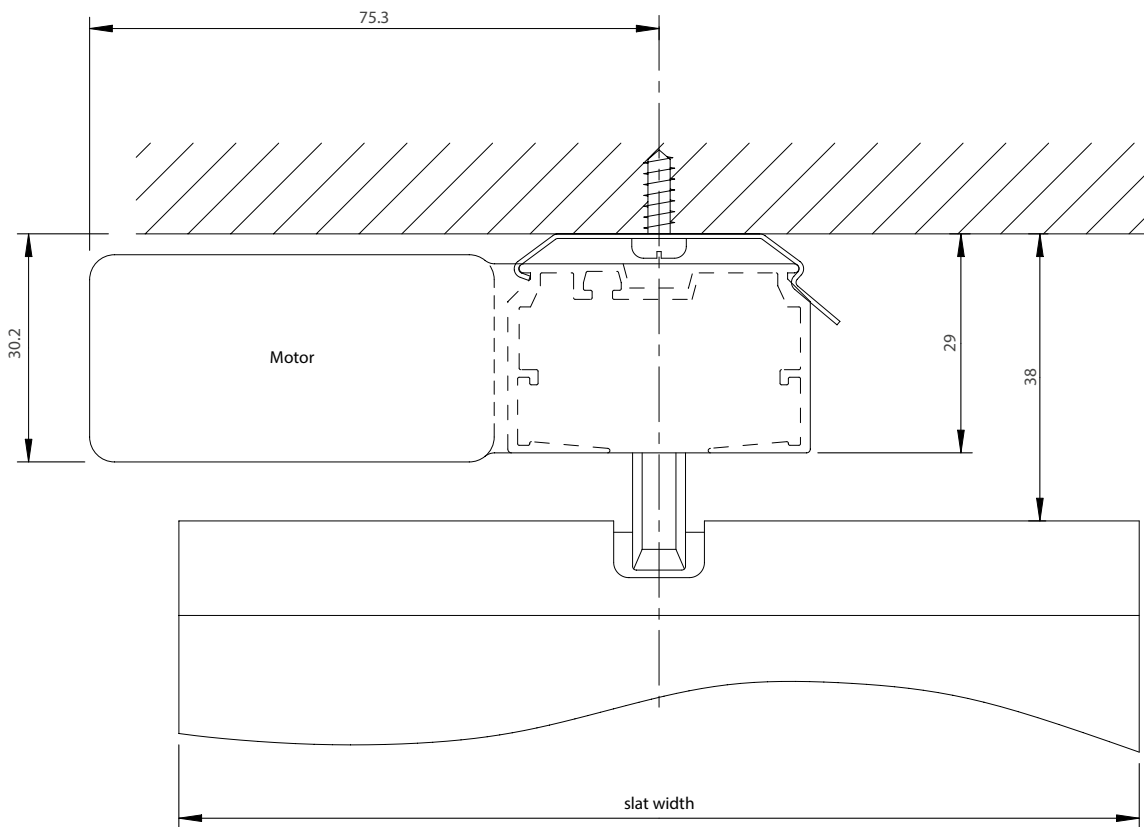


**Minimum distance "A"**

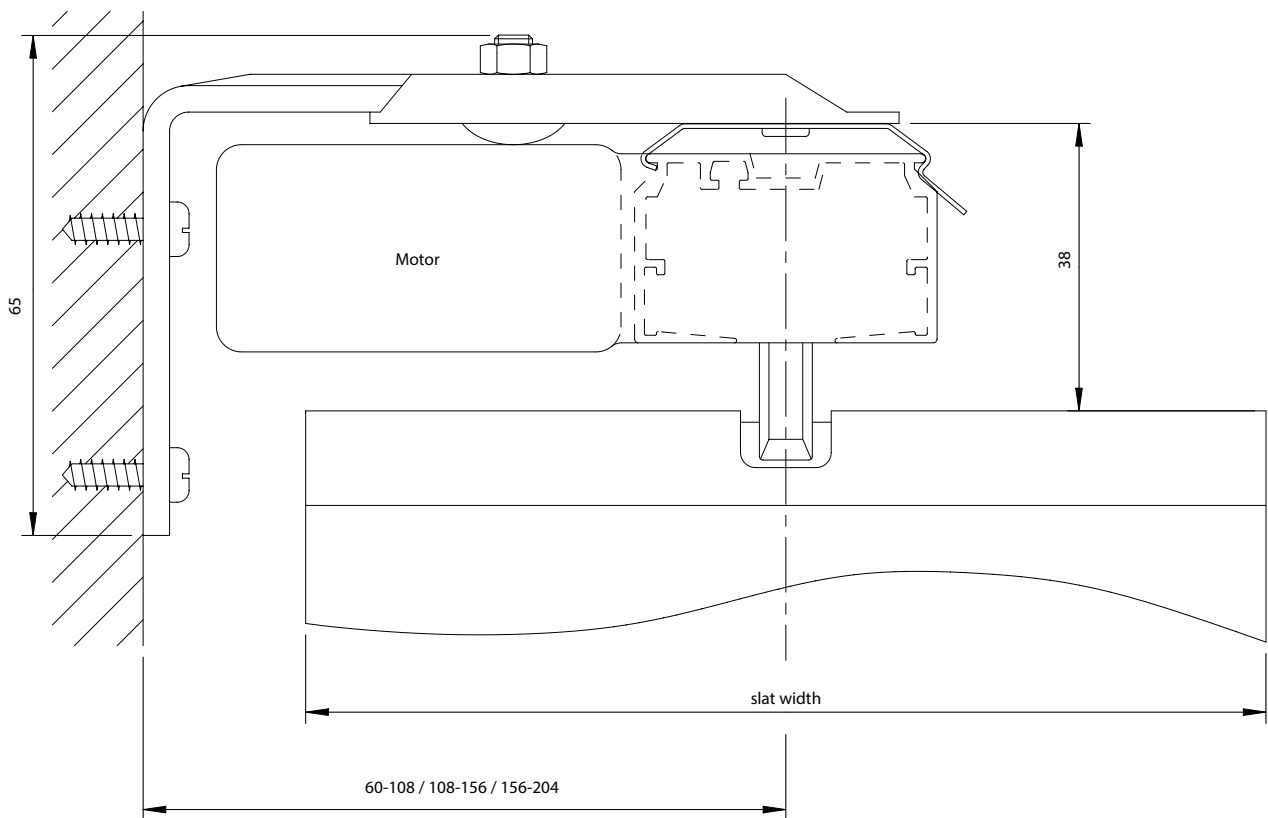
$A = \frac{1}{2} \text{ slat width} + 10 \text{ mm} + X$

X = distance between wall and farthest protruding object

## Ceiling fixation

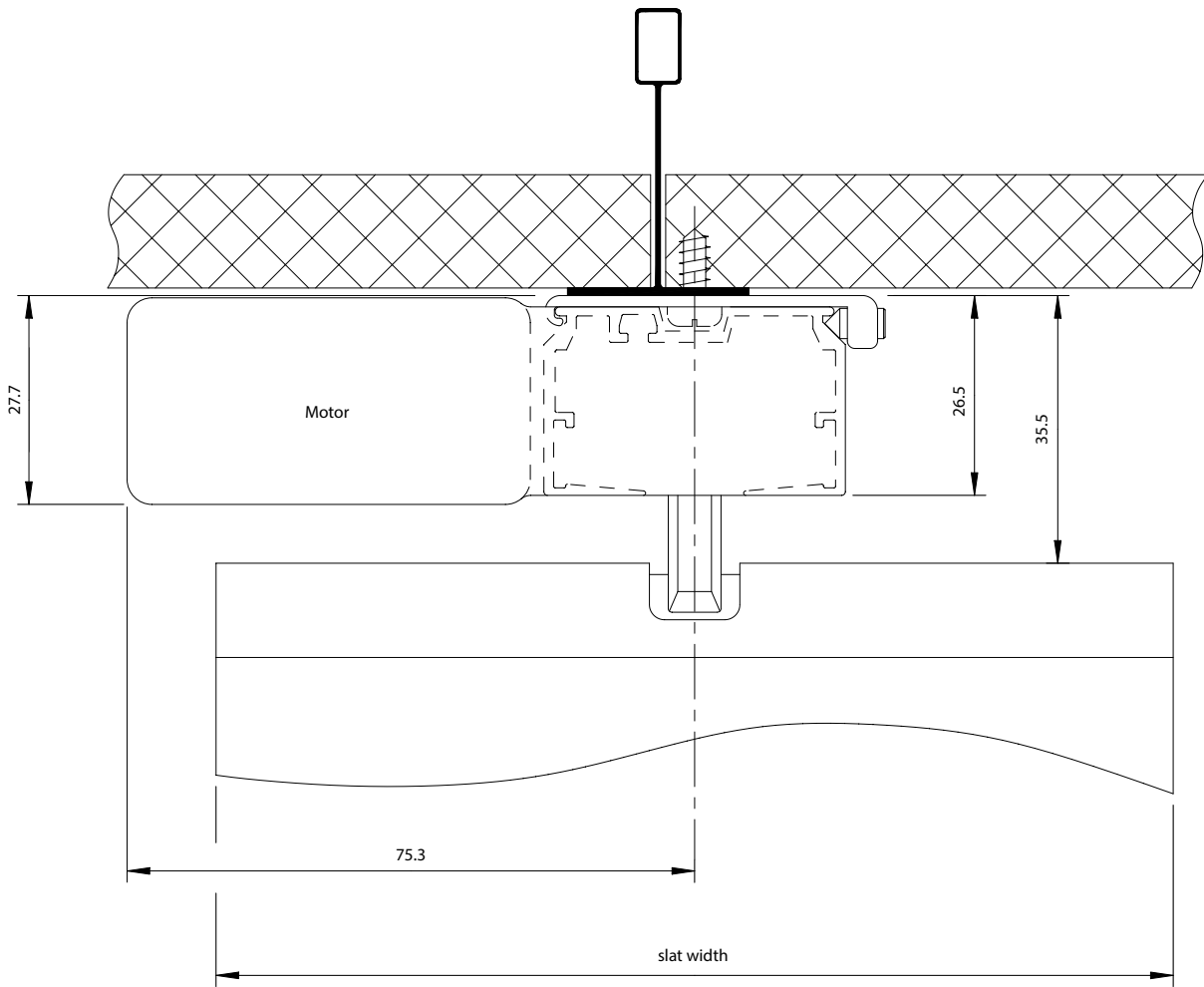


## Wall fixation



SCALE 1:1

## Ceiling fixation - suspended ceiling

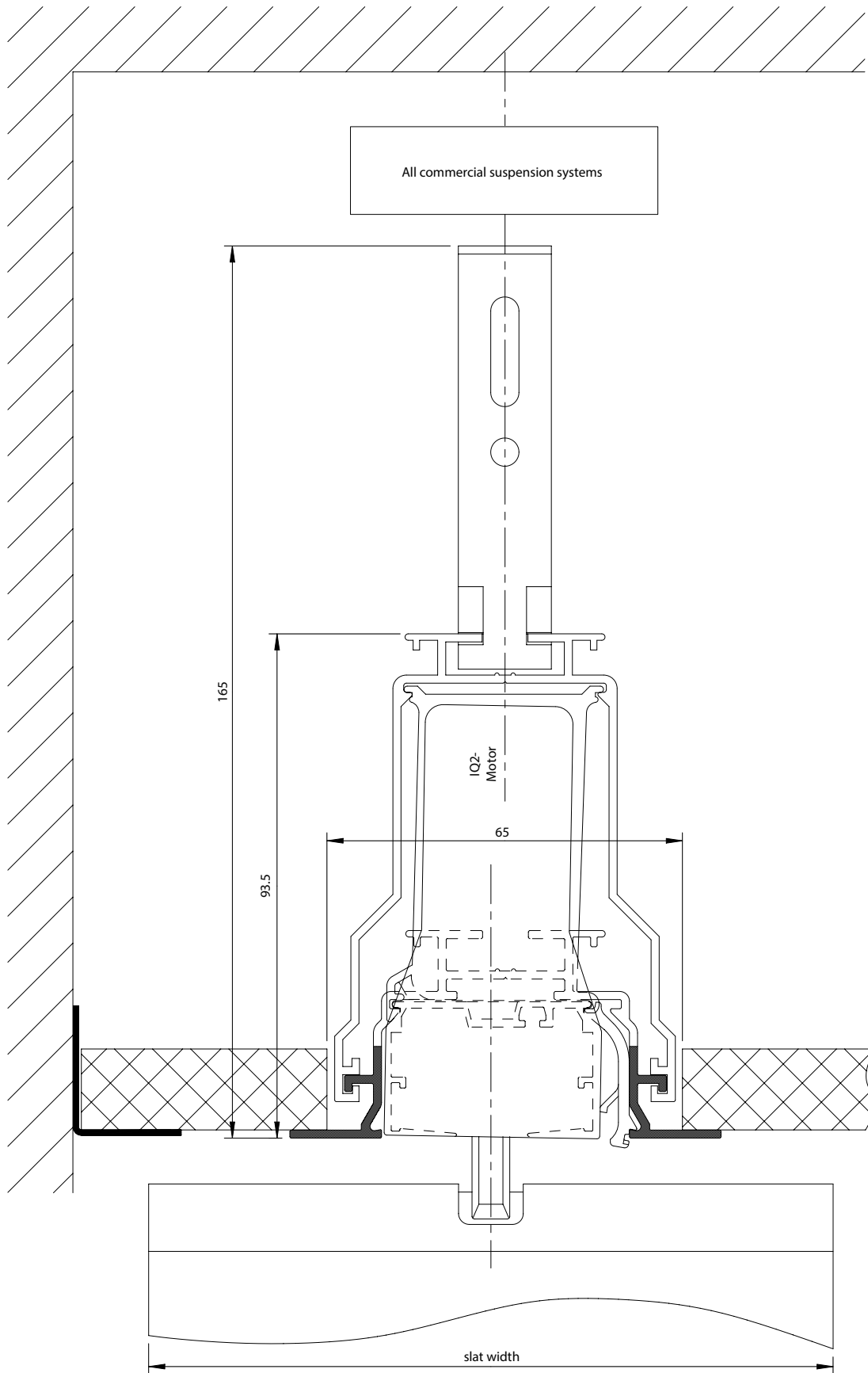


SCALE 1:1

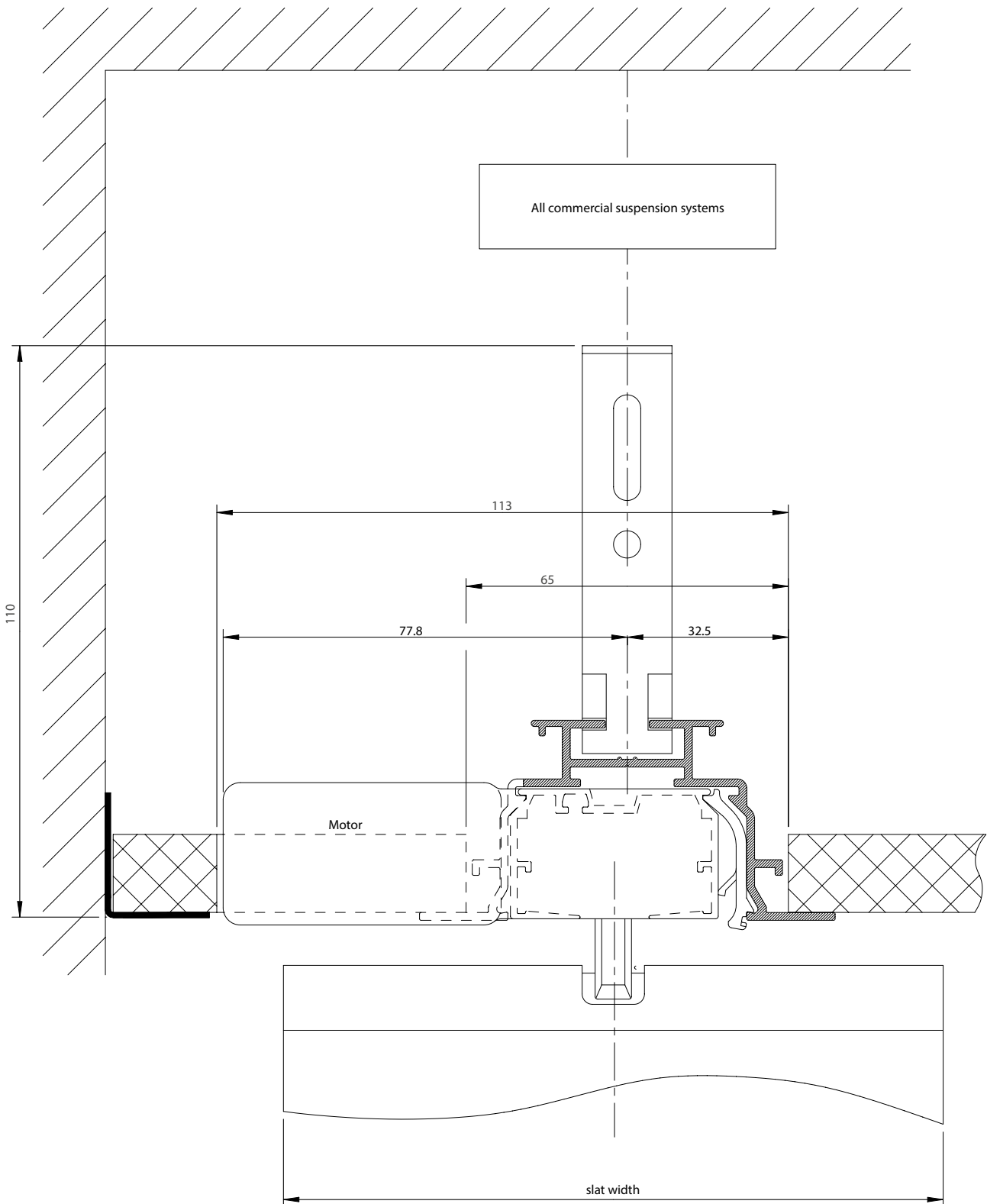




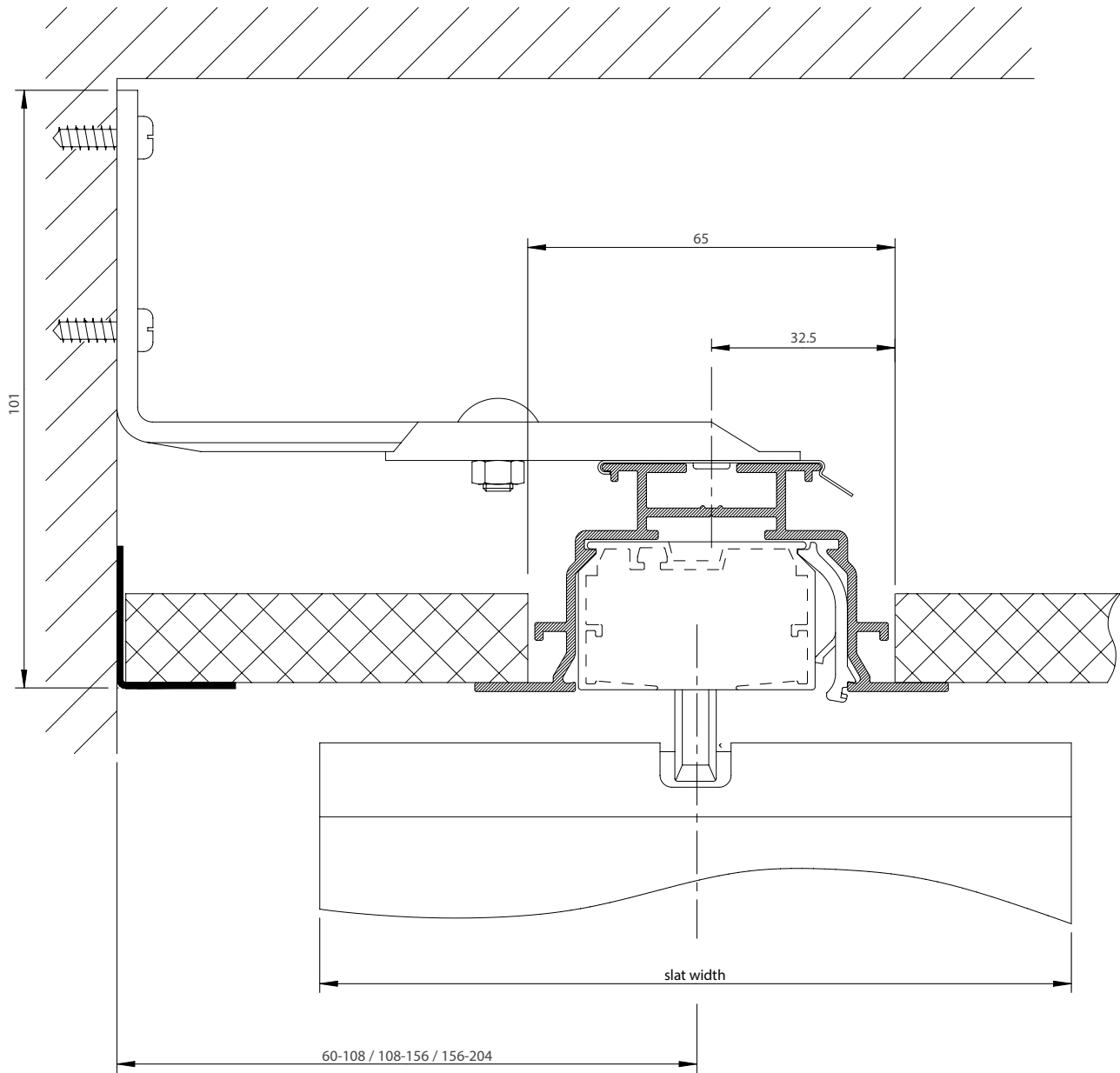
# Installation profile suspended from ceiling and motor on top



# Installation profile suspended from ceiling and motor at side

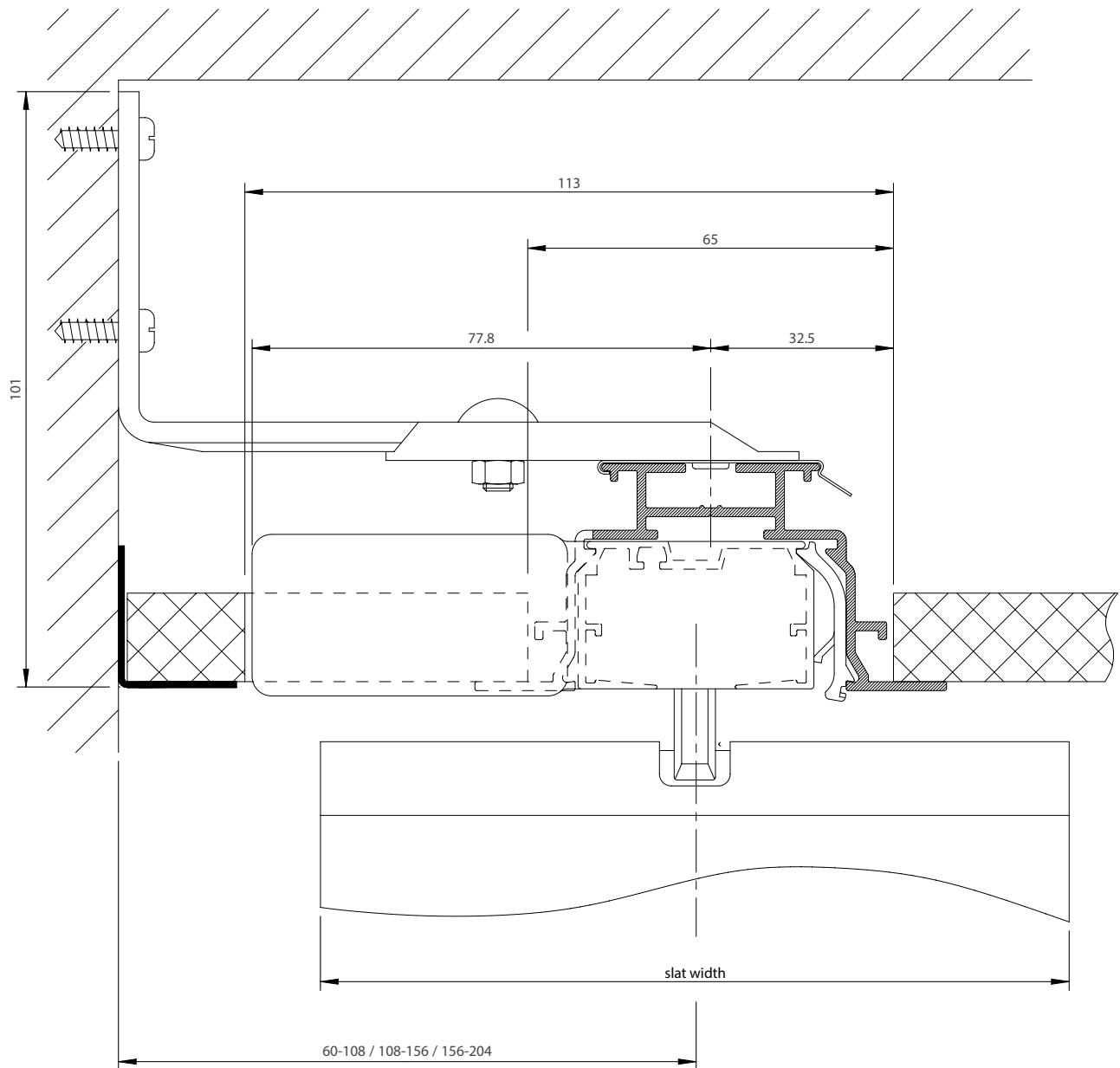


# Installation profile with wall fixation



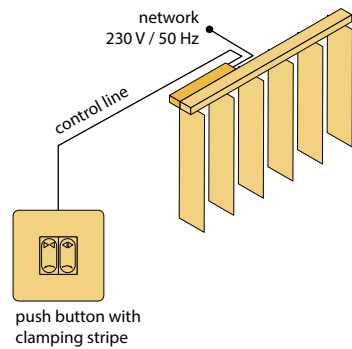


# Installation profile with wall fixation and motor at side

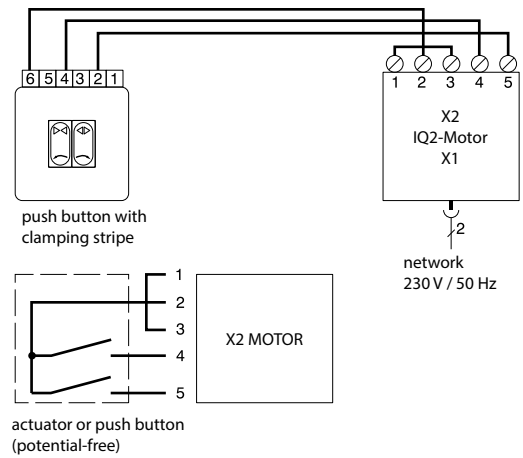


## Single operation

SCHEMATIC CIRCUIT DIAGRAM

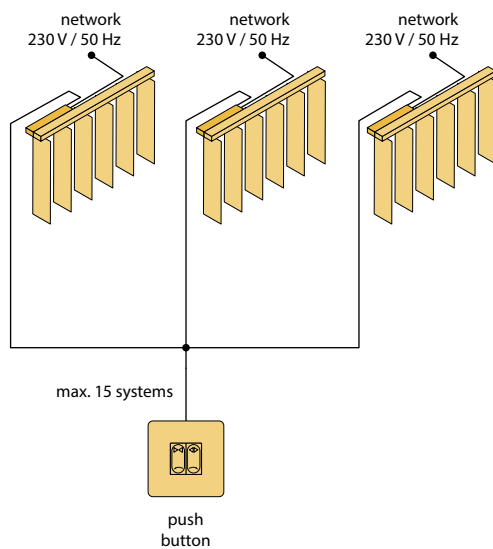


WIRING DIAGRAM

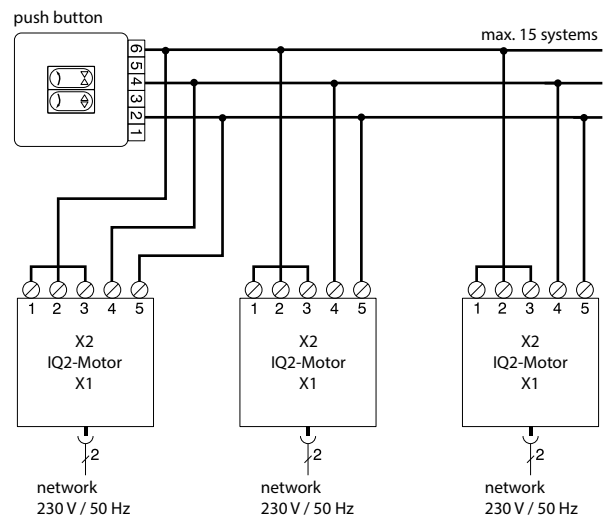


## Group operation

SCHEMATIC CIRCUIT DIAGRAM



WIRING DIAGRAM



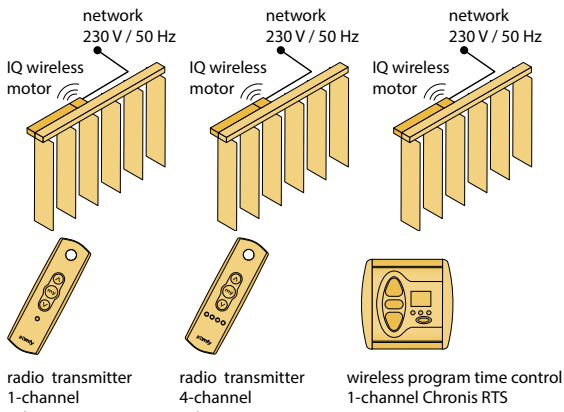
⚠️ Clamp X2/1 must **not** be connected in the case of group operation!

# Circuit diagrams IQ2 motor

Vertical blinds

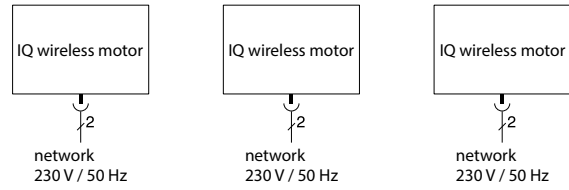
## Radio control

### SCHEMATIC CIRCUIT DIAGRAM



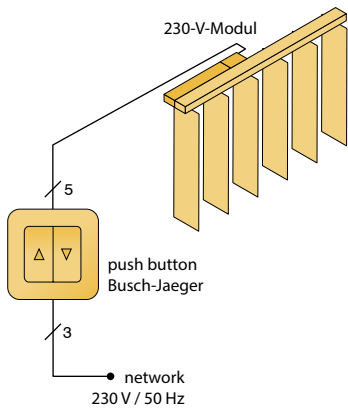
Other radio transmitters on request

### WIRING DIAGRAM

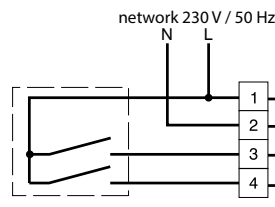
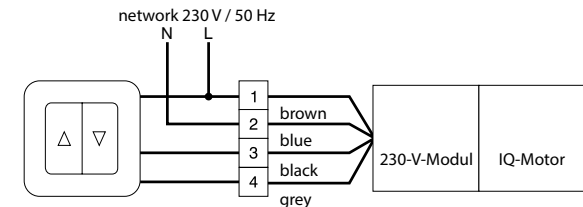


## Single operation with 230 V push button module

### SCHEMATIC CIRCUIT DIAGRAM



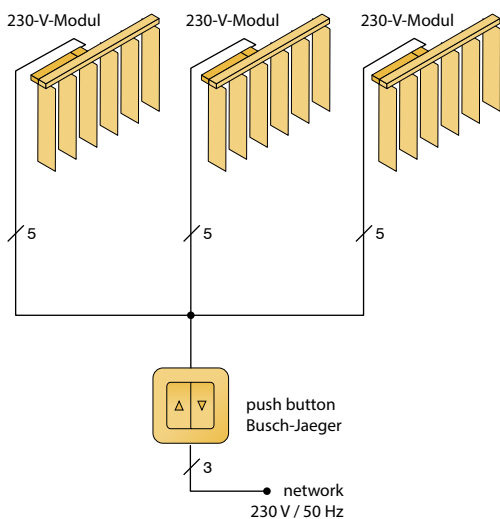
### WIRING DIAGRAM



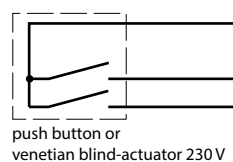
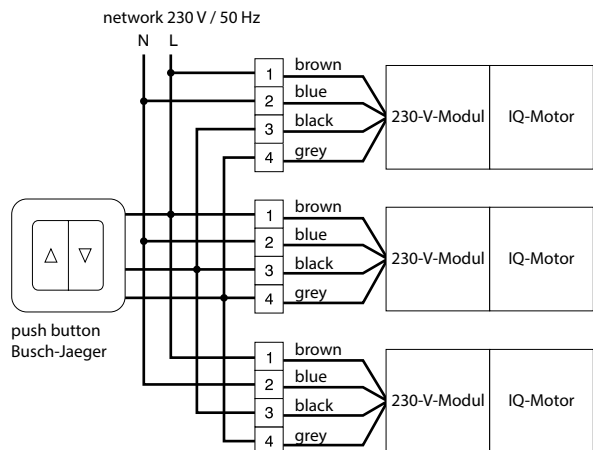
push button or venetian blind-actuator 230 V

## Group operation with 230 V push button module

### SCHEMATIC CIRCUIT DIAGRAM



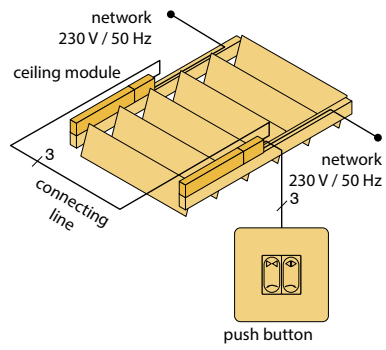
### WIRING DIAGRAM



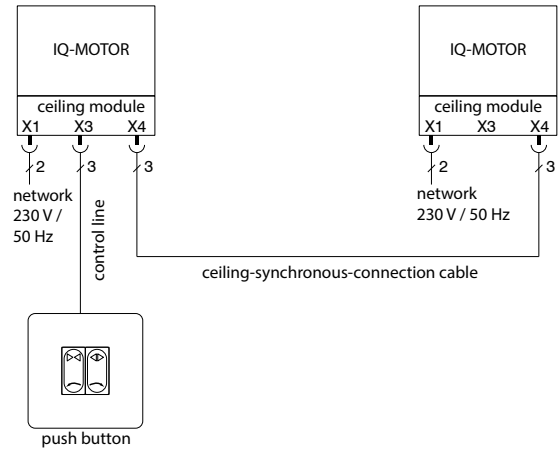


## Ceiling operation with IQ2 motor

SCHEMATIC CIRCUIT DIAGRAM



WIRING DIAGRAM





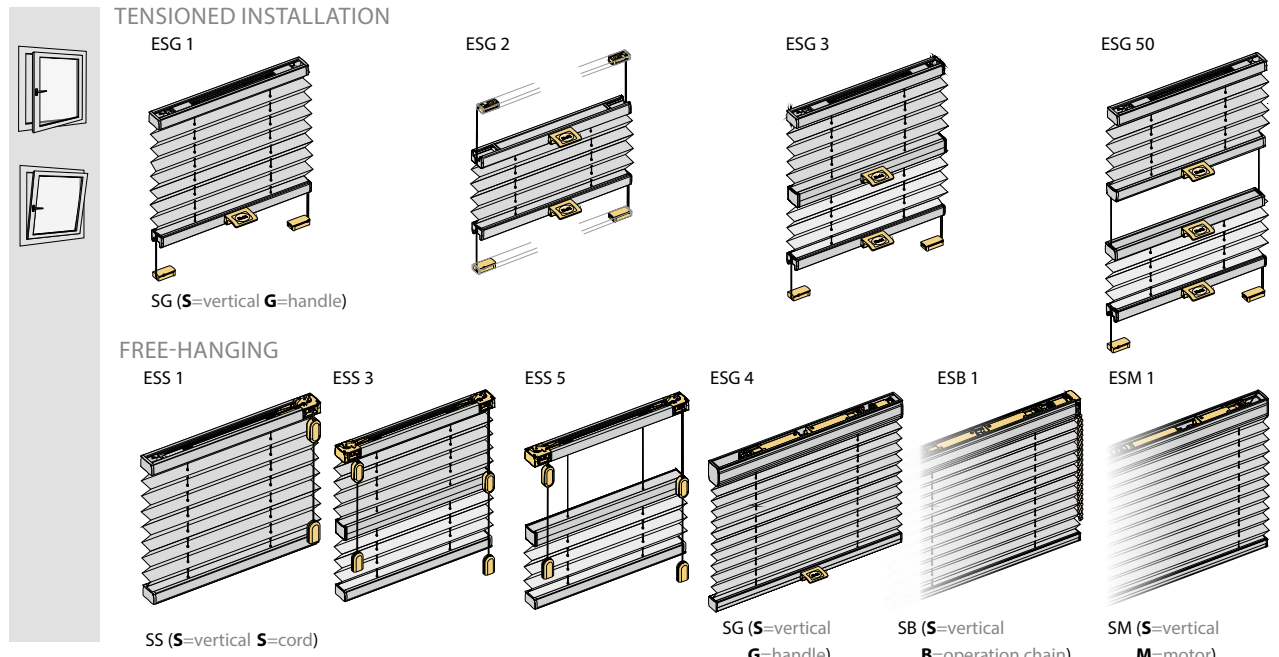




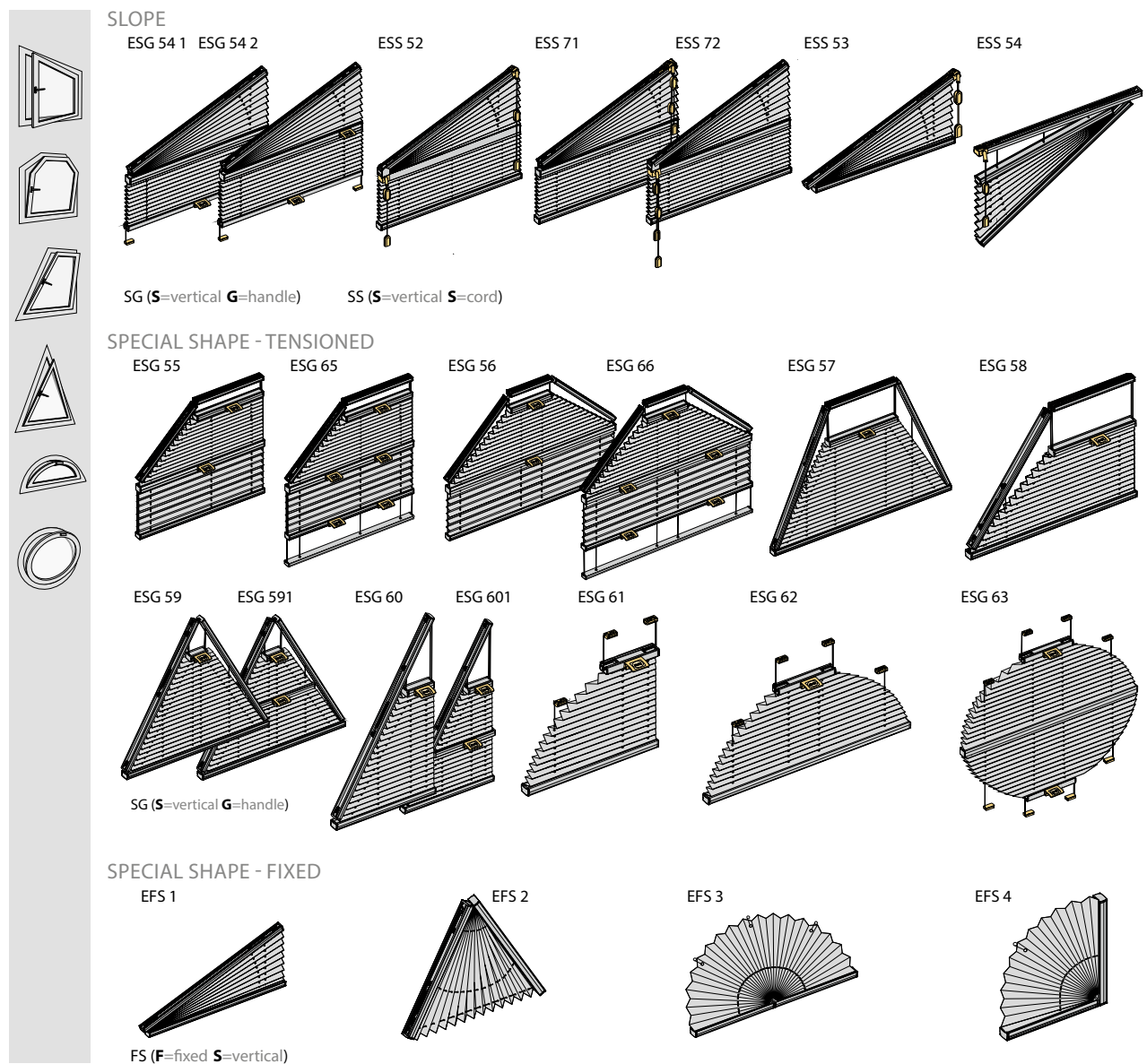
# Total overview

Pleated blinds

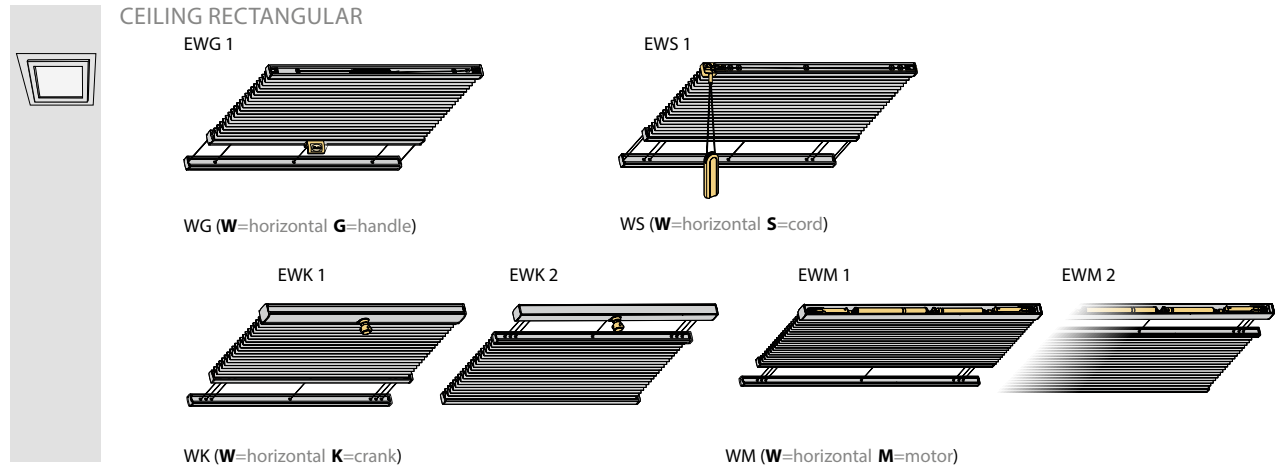
## Vertical windows rectangular



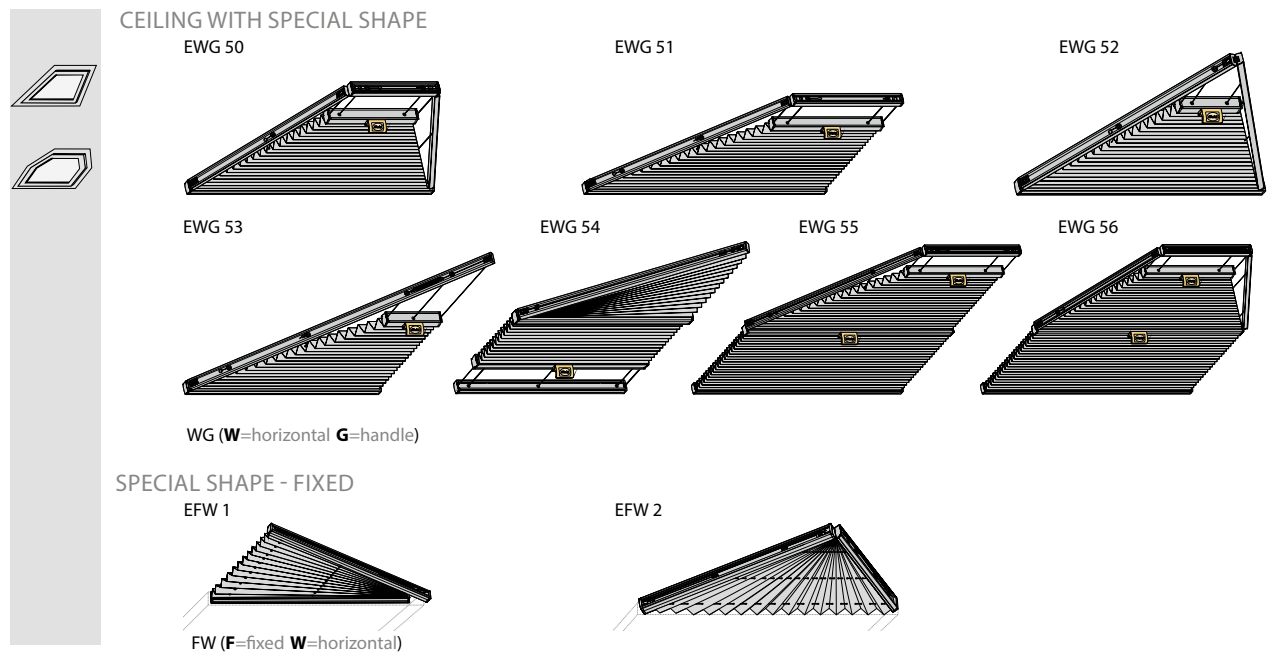
## Vertical windows with special shape (In our pleated blinds catalogue upon request)



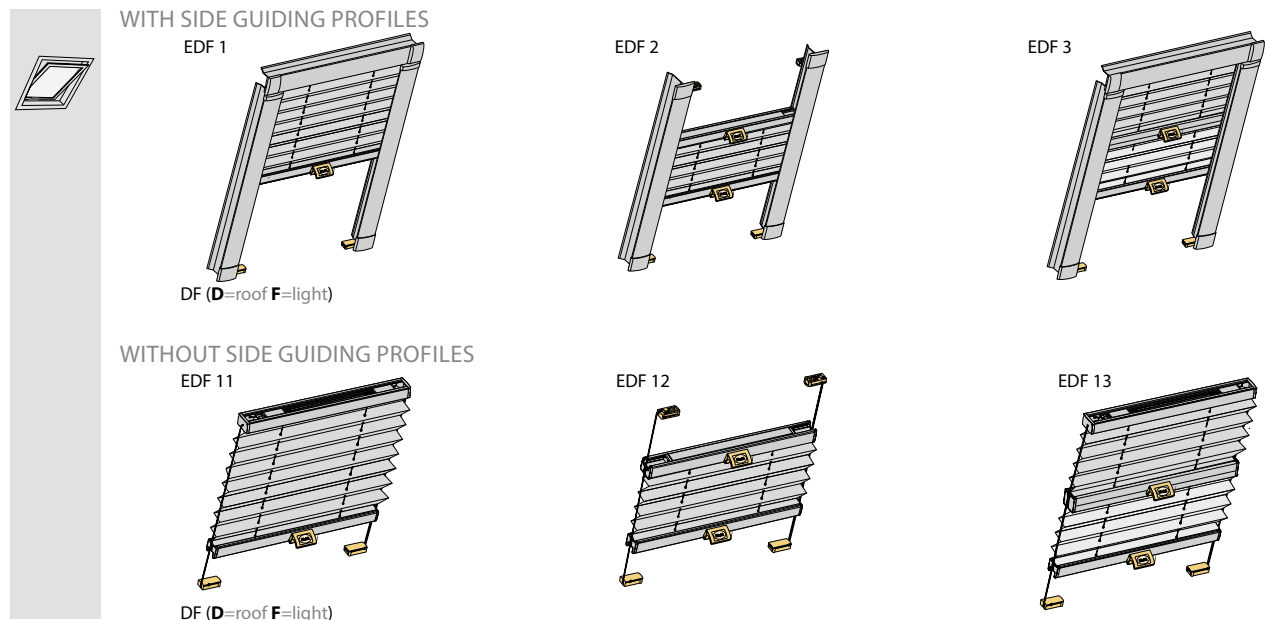
## Inclined or horizontal windows rectangular (In our pleated blinds catalogue upon request)



## Inclined or horizontal windows with special shape (In our pleated blinds catalogue upon request)



## Roof lights (In our pleated blinds catalogue upon request)



# Colour assignment

## Pleated blinds

### PROFILES

- White matte powder-coated RAL9016/30
  - Silver anodized E6/EV1
  - Light bronze matte anodized E6/C32
  - Black-brown matte anodized E6/C35
  - Metallic grey anthracite powder-coated (similar to DB 703)
- Other RAL colours available for an extra charge, price and delivery period upon inquiry.

### PLASTIC PARTS

- White
- Grey
- Black
- Light bronze colour

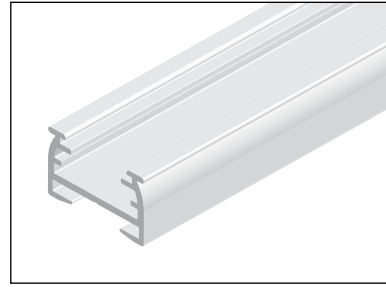
### TENSION WIRES

UV-resistant 1 mm thick tension wires made of black plastic-coated steel wire

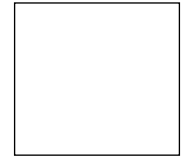
### CORDS

0.8 mm thick cords, colour-matched to fabric colour

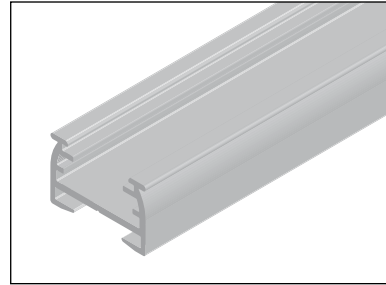
## COLOUR ASSIGNMENT PROFILES AND PLASTIC PARTS



Profile  
white matte powder-coated



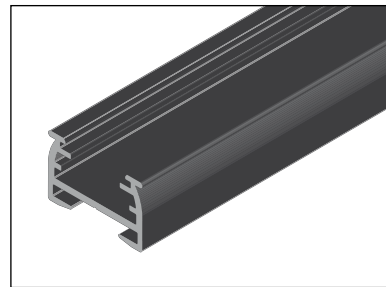
Plastic part  
white



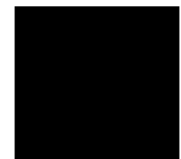
Profile  
silver anodized



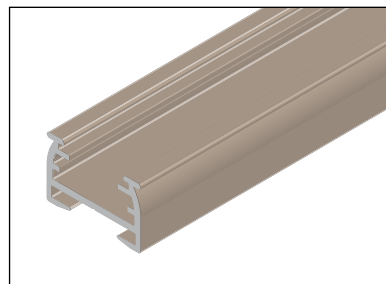
Plastic part  
grey



Profile  
black matte anodized



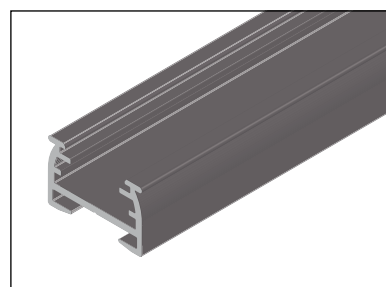
Plastic part  
black



Profile  
light bronze matte anodized



Plastic part  
light bronze colour



Profile  
metallic grey anthracite powder-coated  
(similar to PB 703, not for roof lights)



Plastic part  
black

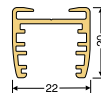
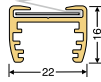
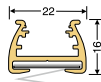
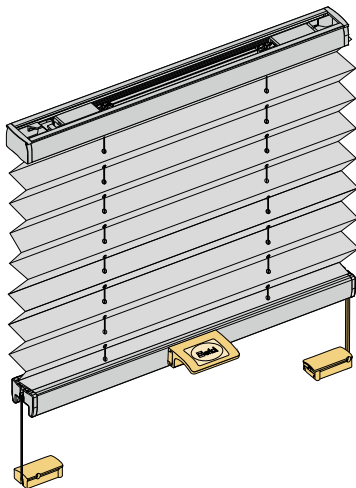




# Vertical windows rectangular

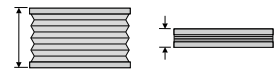
Tensioned installations

## Tensioned ESG 1



- Tensioned installation with fixed top profile and adjustable bottom profile
  - Handle at bottom profile; on request two handles per profile (recommended for widths from 120 cm)
  - Top fixation with "small" fixing clip or wall fixing bracket
  - Bottom fixation with tension cord bracket or wall fixing bracket
  - Block holder for an extra charge
  - Control rod for an extra charge
  - Additional bottom profile for an extra charge
  - From 120 cm installation width clamping profile 20 mm (see left)
- This clamping profile can be ordered separately without any extra charge for combined installations with different window sizes

### BUNCH HEIGHTS



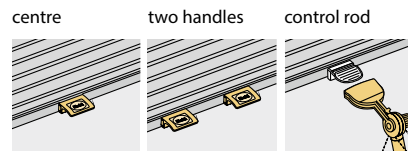
Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 5 cm	ca. 6 cm
100 cm	ca. 6 cm	ca. 7 cm
150 cm	ca. 7 cm	ca. 9 cm
200 cm	ca. 8 cm	ca. 12 cm
220 cm	ca. 9 cm	ca. 13 cm

### RANGES OF SIZE

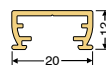
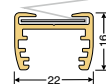
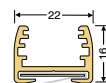
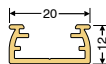
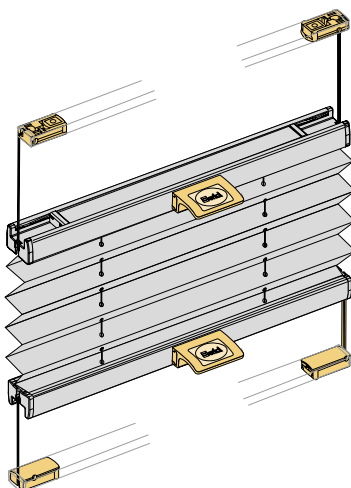
<b>Min. width</b>	120 cm
<b>Min. height</b>	20 cm
<b>Max. width</b>	150 cm
<b>Max. height</b>	150 cm
<b>or</b>	
<b>Max. width</b>	120 cm
<b>Max. height</b>	220 cm

\* depending on fabric width

### OPERATION OPTIONS

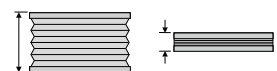


## Tensioned ESG 2



- Tensioned installation with adjustable top and bottom profile
  - Handle at top and bottom profile
  - On request two handles per profile (recommended for widths from 120 cm)
  - Fixation with tension cord bracket or wall fixing bracket
  - Block holder for an extra charge
  - Control rod for an extra charge
  - Additional top or bottom profile for an extra charge
  - From 120 cm installation width clamping profile 20 mm (see ESG1)
- This clamping profile can be ordered separately without any extra charge for combined installations with different window sizes
- Flat profile with fixing clip - see extra charge

### BUNCH HEIGHTS



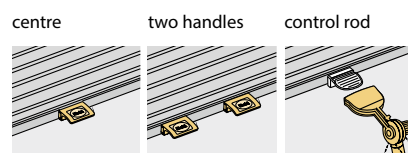
Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 5 cm	ca. 6 cm
100 cm	ca. 6 cm	ca. 7 cm
150 cm	ca. 7 cm	ca. 9 cm
200 cm	ca. 8 cm	ca. 12 cm
220 cm	ca. 9 cm	ca. 13 cm

### RANGES OF SIZE

<b>Min. width</b>	120 cm
<b>Min. height</b>	20 cm
<b>Max. width</b>	150 cm
<b>Max. height</b>	150 cm
<b>or</b>	
<b>Max. width</b>	120 cm
<b>Max. height</b>	220 cm

\* depending on fabric width

### OPERATION OPTIONS

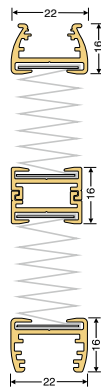
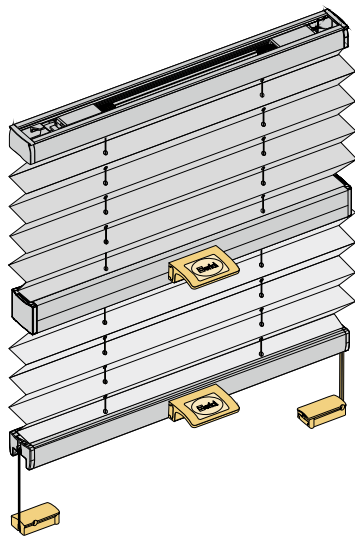




# Vertical windows rectangular

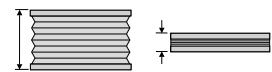
Tensioned installations

## Tensioned ESG 3



- Tensioned installation with fixed top profile and adjustable centre and bottom profile
  - With two different hangings (each hanging can shade the whole window)
  - Handle at centre and bottom profiles; on request two handles per profile (recommended for widths from 120 cm)
  - Top fixation with "small" fixing clip or wall fixing bracket
  - Bottom fixation with tension cord bracket or wall fixing bracket
  - Block holder for an extra charge
  - Control rod for an extra charge
  - Additional bottom profile for an extra charge
  - From 120 cm installation width clamping profile 20 mm (see ESG1)
- This clamping profile can be ordered separately without any extra charge for combined installations with different window sizes

### BUNCH HEIGHTS



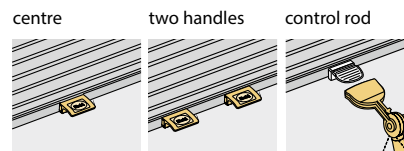
Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 14 cm
220 cm	ca. 11 cm	ca. 15 cm

### RANGES OF SIZE

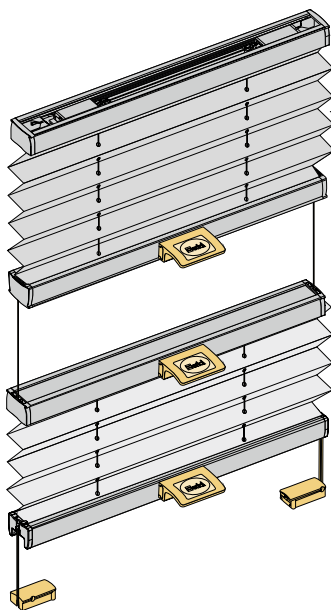
<b>Min. width</b>	20 cm
<b>Min. height</b>	20 cm
<b>Max. width</b>	180 cm *
<b>Max. height</b>	180 cm *
<b>or</b>	
<b>Max. width</b>	120 cm
<b>Max. height</b>	220 cm

\* depending on fabric width

### OPERATION OPTIONS

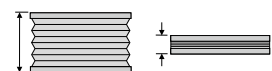


## Tensioned ESG 50



- Tensioned top installation with fixed top profile and adjustable bottom profile, at bottom with adjustable top and bottom profile
  - With two different hangings (each hanging can provide shade for the whole window)
  - Handle at bottom profile of the upper hanging and at top and bottom profile of the lower hanging, on request two handles per profile (recommended for widths from 120 cm)
  - Top fixation with "small" fixing clip or wall fixing bracket
  - Bottom fixation with tension cord bracket or wall fixing bracket
  - Block holder for an extra charge
  - Control rod for an extra charge
  - Additional bottom profile for an extra charge
  - From 120 cm installation width clamping profile 20 mm (see ESG1)
- This clamping profile can be ordered separately without any extra charge for combined installations with different window sizes

### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 10 cm	ca. 11 cm
100 cm	ca. 11 cm	ca. 13 cm
150 cm	ca. 12 cm	ca. 14 cm
200 cm	ca. 13 cm	ca. 16 cm
220 cm	ca. 14 cm	ca. 17 cm

### RANGES OF SIZE

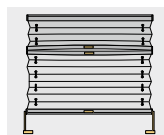
<b>Min. width</b>	20 cm
<b>Min. height</b>	20 cm
<b>Max. width</b>	180 cm *
<b>Max. height</b>	180 cm *
<b>or</b>	
<b>Max. width</b>	120 cm
<b>Max. height</b>	220 cm

\* depending on fabric width

### OPERATION OPTIONS



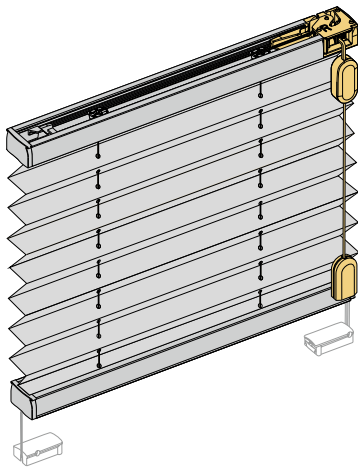
**!** The central profiles of the installation sag due to technological reasons. The wider the installation, the more will the sagging be visible when the blind is closed.



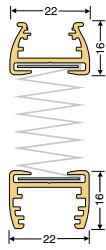
# Vertical windows rectangular

Free-hanging installations

## Free-hanging ESS 1

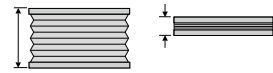


Cord guiding for an extra charge



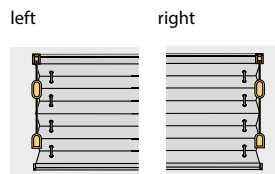
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Operation with pull cord with cord lock
- Cord guiding for an extra charge
- Fixation with "small" fixing clip or wall fixing bracket
- Block holder for an extra charge

### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honey-comb
50 cm	ca. 5 cm	ca. 6 cm
100 cm	ca. 6 cm	ca. 7 cm
150 cm	ca. 7 cm	ca. 9 cm
200 cm	ca. 8 cm	ca. 12 cm
220 cm	ca. 9 cm	ca. 15 cm

### OPERATION OPTIONS

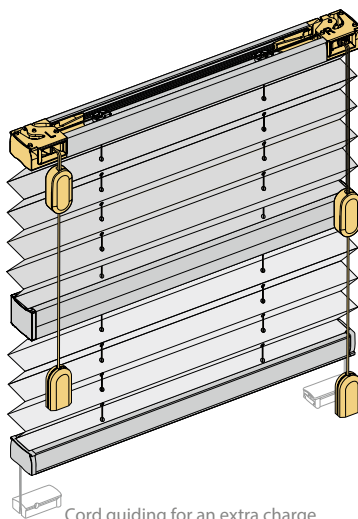


### RANGES OF SIZE

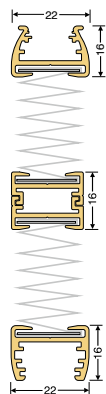
<b>Min. width</b>	30 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	230 cm*
<b>Max. height</b>	260 cm

\* depending on fabric width

## Free-hanging ESS 3

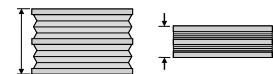


Cord guiding for an extra charge



- Free-hanging installation with fixed top profile, adjustable centre and bottom profile
- With two different hangings (each hanging can provide shade for the whole window)
- Operation left and right with 2 pull cords and 2 cord locks
- Cord guiding for an extra charge
- Fixation with "small" fixing clip or wall fixing bracket
- Block holder for an extra charge

### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honey-comb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 13 cm
260 cm	ca. 12 cm	ca. 17 cm

### OPERATION OPTIONS

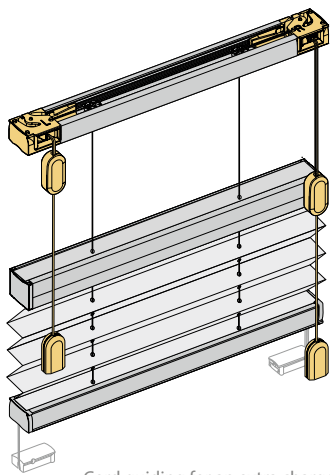
left and right



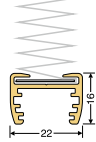
### RANGES OF SIZE

<b>Min. width</b>	30 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	200 cm
<b>Max. height</b>	200 cm

### Free-hanging ESS 5

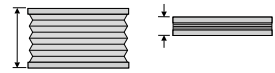


Cord guiding for an extra charge



- Free-hanging installation with fixed top profile, adjustable centre and bottom profile
- With a hanging that can be traversed variably across the entire window
- Operation left and right with 2 pull cords and 2 cord locks
- Cord guiding for an extra charge
- Fixation with "small" fixing clip or wall fixing bracket
- Block holder for an extra charge

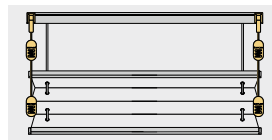
#### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 13 cm
260 cm	ca. 12 cm	ca. 17 cm

#### OPERATION OPTIONS

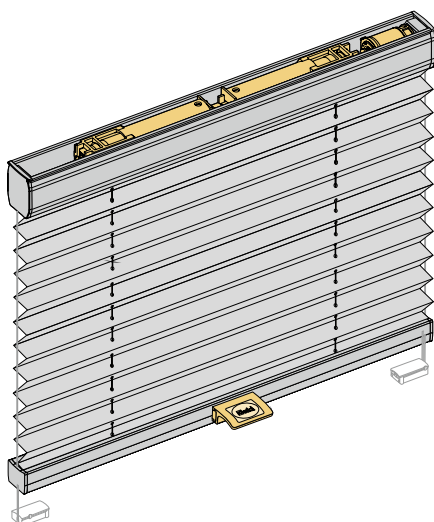
left and right



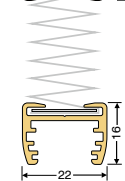
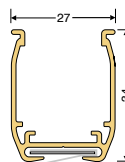
#### RANGES OF SIZE

<b>Min. width</b>	30 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	200 cm
<b>Max. height</b>	260 cm

### Free-hanging with handle ESG 4

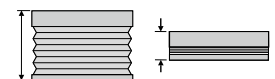


Cord guiding for an extra charge



- Free-hanging installation with fixed top profile and adjustable bottom profile
- Spring drive operation
- Handle at bottom profile; on request two handles per profile (recommended for widths from 120 cm)
- Lifting cord 1.2 mm
- Cord guiding for an extra charge
- Fixation with "large" fixing clip or wall fixing bracket
- Block holder for an extra charge
- Control rod for an extra charge

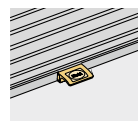
#### BUNCH HEIGHTS



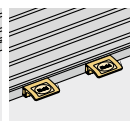
Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 14 cm

#### OPERATION OPTIONS

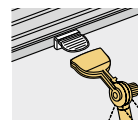
centre



two handles



control rod



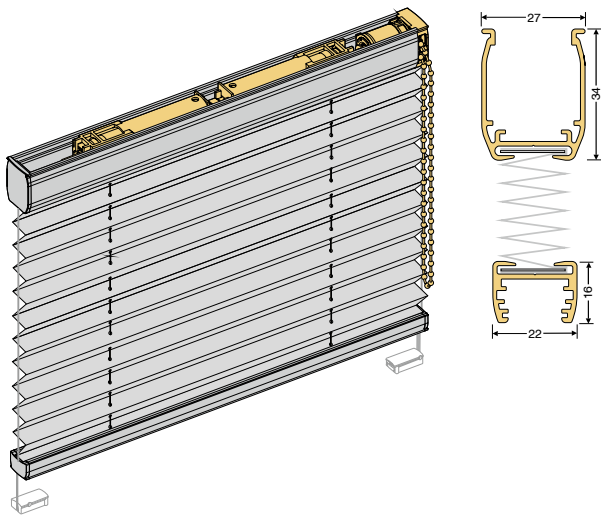
#### RANGES OF SIZE

<b>Min. width</b>	52 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	150 cm
<b>Max. height</b>	150 cm
<b>or</b>	
<b>Max. width</b>	120 cm
<b>Max. height</b>	200 cm

# Vertical windows rectangular

Free-hanging installations

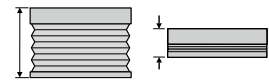
## Free-hanging with chain ESB 1



Cord guiding for an extra charge

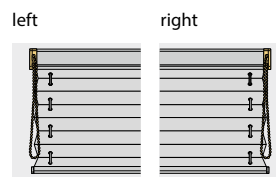
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Chain operation, chain exit front
- Gear 2.6 : 1, on request gear 4.8 : 1
- Operating side left or right
- Lifting cord 1.2 mm
- Cord guiding for an extra charge
- Fixation with "large" fixing clip or wall fixing bracket
- Block holder for an extra charge
- Chain holder for an extra charge

### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 14 cm
260 cm	ca. 11 cm	ca. 17 cm

### OPERATION OPTIONS

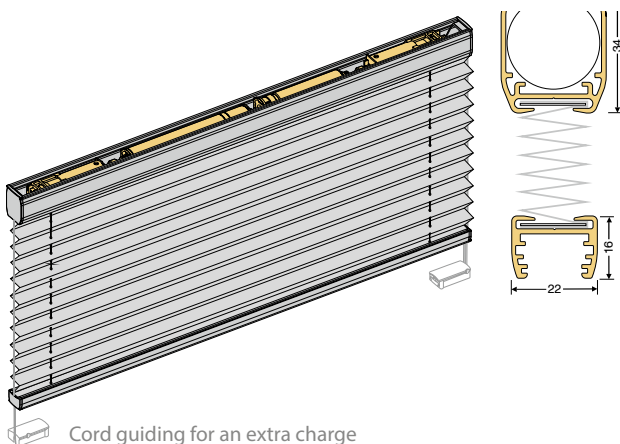


### RANGES OF SIZE

<b>Min. width</b>	30 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	230 cm*
<b>Max. height</b>	260 cm

\* depending on fabric width

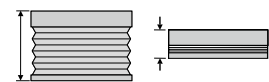
## Free-hanging with motor ESM 1



Cord guiding for an extra charge

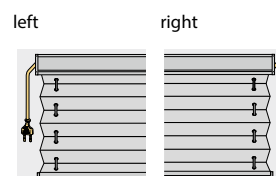
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Motor operation, motor inside the top profile
- Direct current motor 24 V, power consumption ca. 15 W
- 230 V / 24 V power supply unit required
- Cable exit left or right (operation e.g. switch, radio, group control see electric accessories)
- Lifting cord 1.2 mm
- Cord guiding for an extra charge
- Fixation with "large" fixing clip or wall fixing bracket
- Block holder for an extra charge

### BUNCH HEIGHTS



Installation height	Bunch height	
	Pleated blind	Honeycomb
50 cm	ca. 7 cm	ca. 8 cm
100 cm	ca. 8 cm	ca. 9 cm
150 cm	ca. 9 cm	ca. 11 cm
200 cm	ca. 10 cm	ca. 14 cm
260 cm	ca. 11 cm	ca. 17 cm


### CABLE EXIT



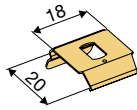
### RANGES OF SIZE

<b>Min. width</b>	70 cm
<b>Min. height</b>	30 cm
<b>Max. width</b>	230 cm*
<b>Max. height</b>	260 cm

\* depending on fabric width

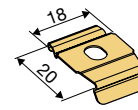
 Please use only the original control parts because of the integrated limit switching. Damage due to third-party products are excluded from warranty.

## Mounting examples Pleated blinds installations



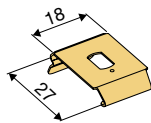
### "Small" fixing clip

For tensioned, free-hanging, slope or special shape installations, metal, available colours: white, silver, black, light bronze



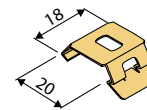
### "Small flat" fixing clip

For slope, tensioned special shape or fixed special shape installations, metal, available colours: white, silver, black, light bronze



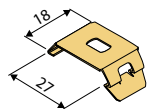
### "Large" fixing clip

For tensioned, free-hanging installations, chain, metal, available colours: white, silver, black, light bronze



### "Small" fixing clip for ceiling

For ceiling installations, metal, available colours: white, silver, black, light bronze



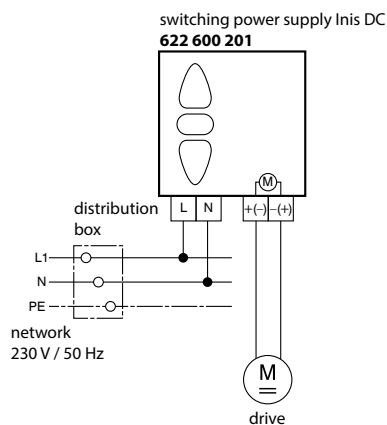
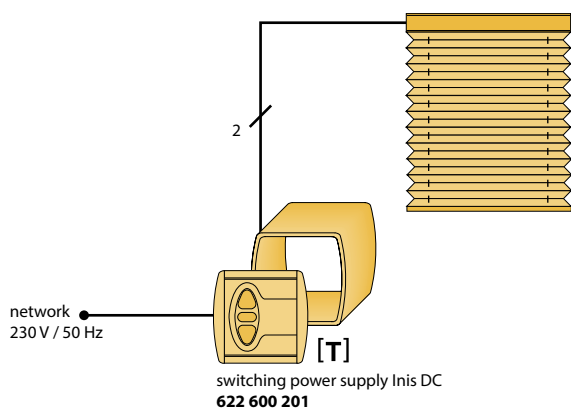
### "Large" fixing clip for ceiling

For ceiling installations, metal, available colours: white, silver, black, light bronze

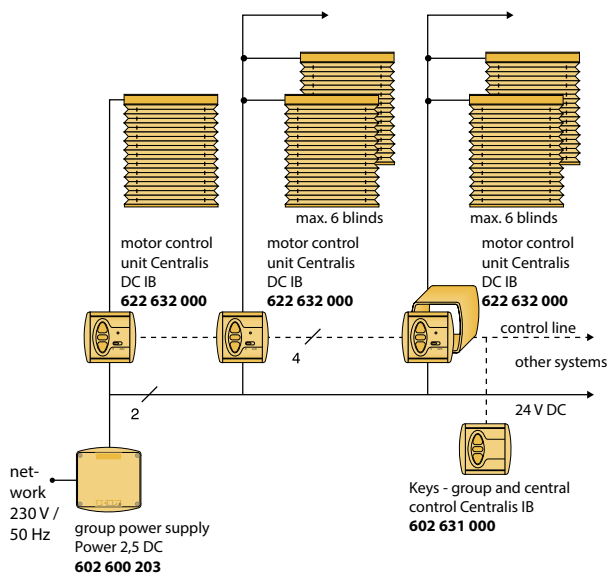




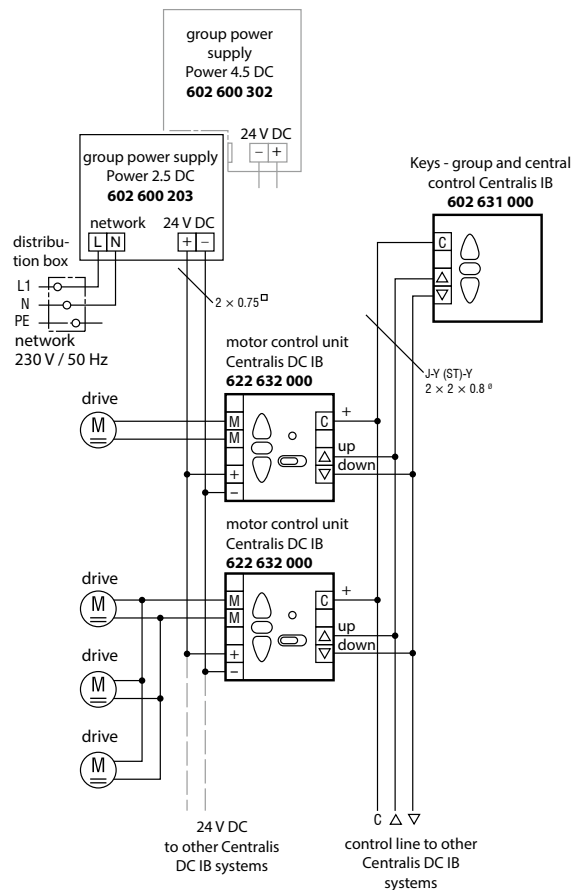
## Single operation



## Group operation



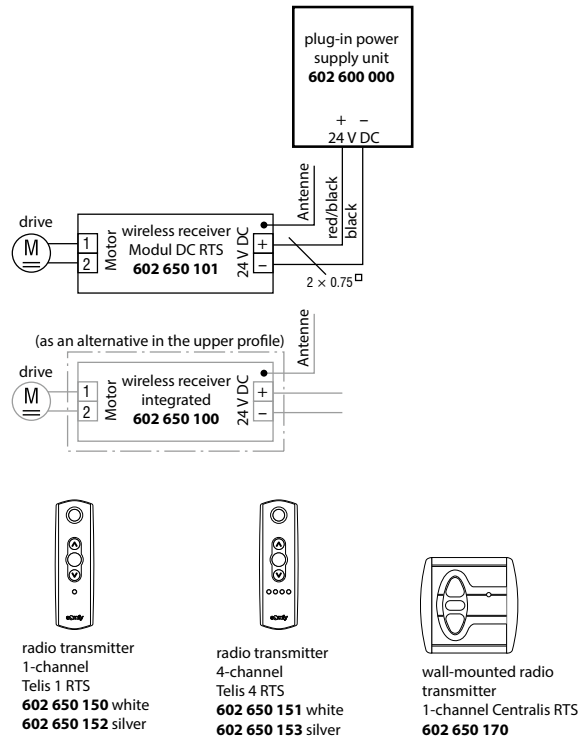
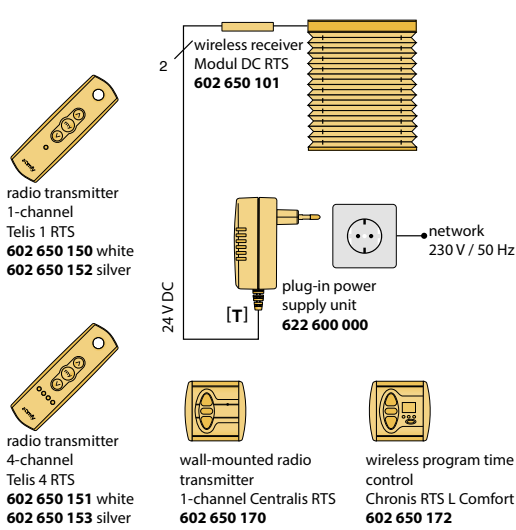
Please note maximum number of drives per power supply unit.  
If required, use the group power supply Power 4.5 DC.



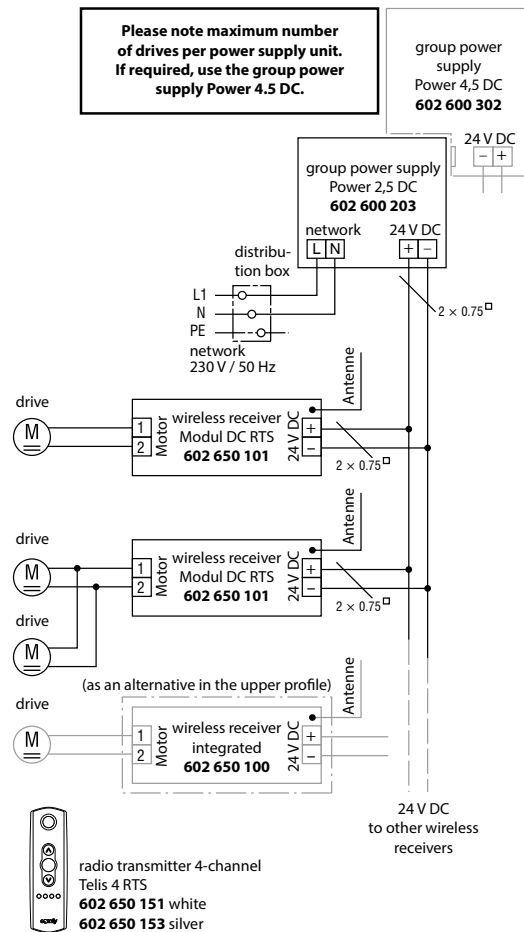
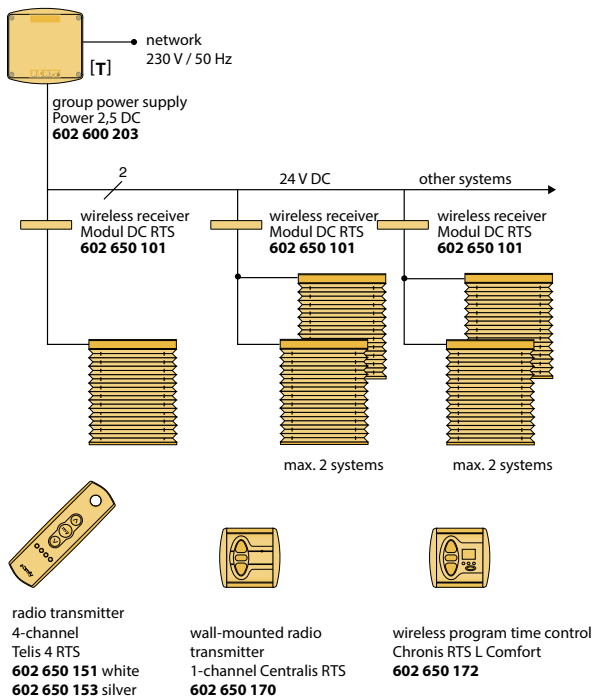
# Circuit diagrams

Pleated blinds

## Single remote control



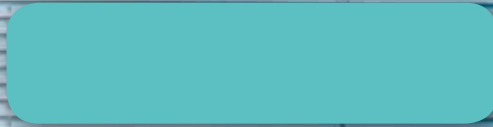
## Group remote control





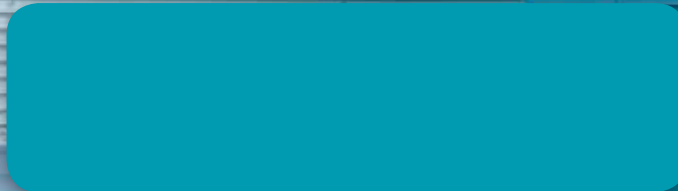
**16 mm**

Basic Line  
Flexx Line  
Iso Line



**25 mm**

Basic Line  
Flexx Line  
Megaview™  
Iso Line



**35 mm**

Midi Line



**50 mm**

Maxi Line

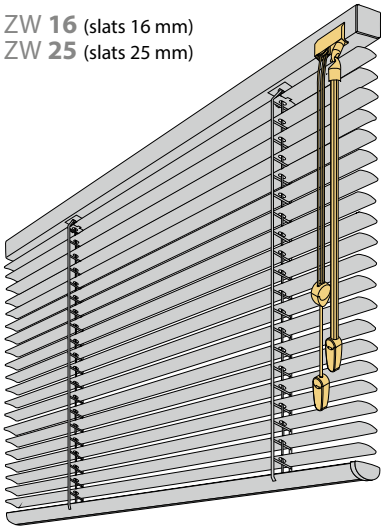


## Basic Line

Venetian blinds

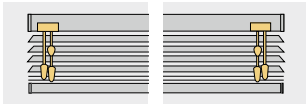
### Pull cord / turning rod

ZW 16 (slats 16 mm)  
ZW 25 (slats 25 mm)

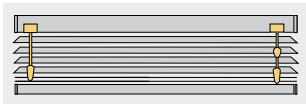


#### OPERATION OPTIONS

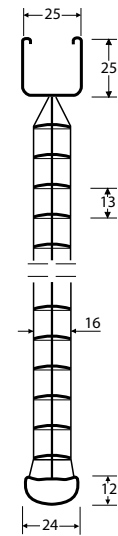
left right



split

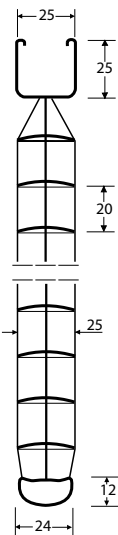


Basic Line 16



- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Operation with transparent turning rod and pull cord
- Operating side left, right or split
- Control lengths 35, 50, 75, 100, 125, 150, 175, 200, 250, 300 cm
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge
- Option: dim-out possible

Basic Line 25



- For assembly between the two coupled sashes
- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Operation with metal turning rod (white) and pull cord
- Operating side (left or right)
- Control lengths 70, 90, 108, 133 cm
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Lifting cord 1.4 mm
- Top fixation coupled window bracket
- Cord guiding for an extra charge
- Retention of pull cord with cord cleats

#### RANGES OF SIZE

##### 16 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	270 cm
<b>Max. height</b>	260 cm
<b>Max. area</b>	6 m <sup>2</sup>

##### 25 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	330 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	6 m <sup>2</sup>

#### BUNCH HEIGHTS

##### 16 mm slats

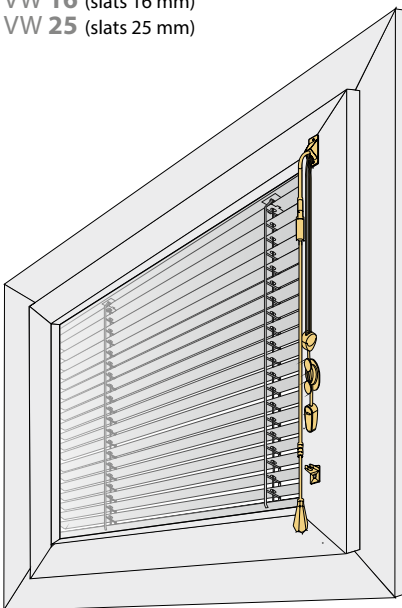
Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm
250 cm	ca. 12.5 cm

##### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.5 cm

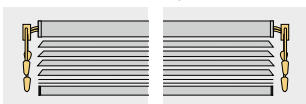
### Pull cord / turning rod Coupled windows

VW 16 (slats 16 mm)  
VW 25 (slats 25 mm)



#### OPERATION OPTIONS

left right



#### RANGES OF SIZE

##### 16 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	270 cm
<b>Max. height</b>	260 cm
<b>Max. area</b>	6 m <sup>2</sup>

##### 25 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	330 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	6 m <sup>2</sup>

#### BUNCH HEIGHTS

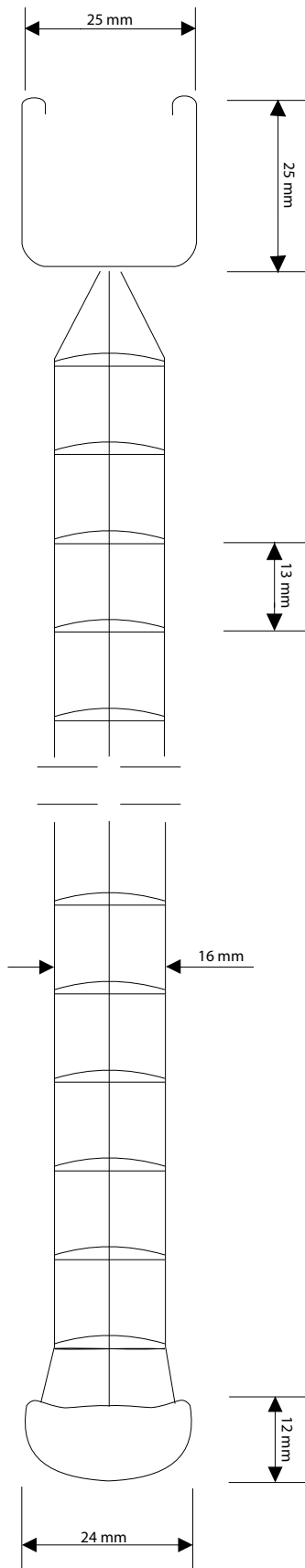
##### 16 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm
250 cm	ca. 12.5 cm

##### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.5 cm

# Venetian Blinds Basic Line 16 Scale 1:1



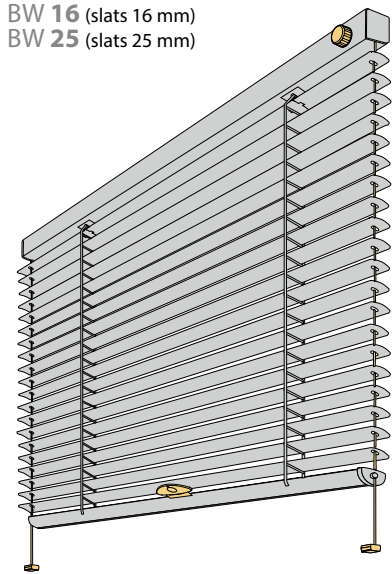
SCALE 1:1

# Basic Line

Venetian blinds

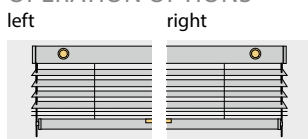
## Turning button / bottom profile operation

BW 16 (slats 16 mm)  
BW 25 (slats 25 mm)

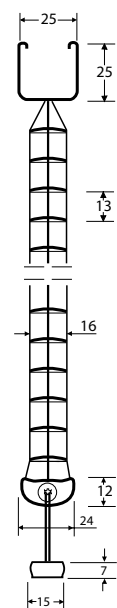


**!** Perforated slats are not possible for this type.

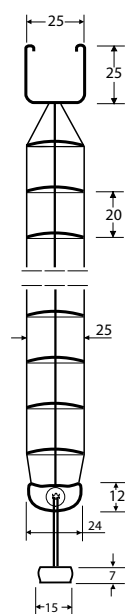
### OPERATION OPTIONS



Basic Line 16



Basic Line 25



- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Tensioned installation with fixed top profile and adjustable bottom profile
- Handle (transparent) at the bottom profile, turning button at the top profile
- Turning button and end caps white, light grey, anthracite
- Operating side left or right
- Option: turning rod
- Control lengths 35, 50, 75, 100, 125, 150, 175, 200, 250, 300 cm
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Tension cord 1.2 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Bottom fixation with tension cord bracket
- Plastic colours - see Flexx Line

### RANGES OF SIZE

#### 16 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	150 cm
<b>Max. height</b>	200 cm
<b>Max. area</b>	2 m <sup>2</sup>

#### 25 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	150 cm
<b>Max. height</b>	200 cm
<b>Max. area</b>	2 m <sup>2</sup>

### BUNCH HEIGHTS

#### 16 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm
230 cm	ca. 12.5 cm

#### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm

### NUMBER OF HANDLES

#### 16 mm slats

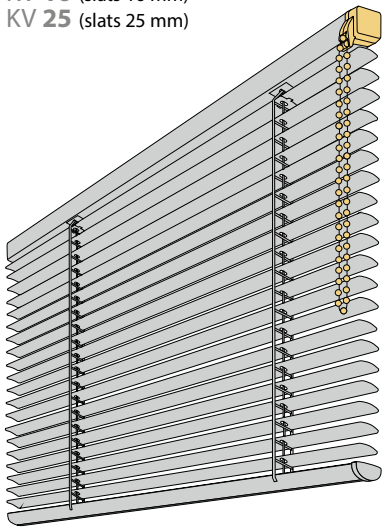
Installation width	Number of handles
Up to 620 mm	1
From 621 mm	2

#### 25 mm slats

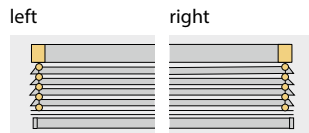
Installation width	Number of handles
Up to 900 mm	1
From 901 mm	2

## Chain

KV 16 (slats 16 mm)  
KV 25 (slats 25 mm)

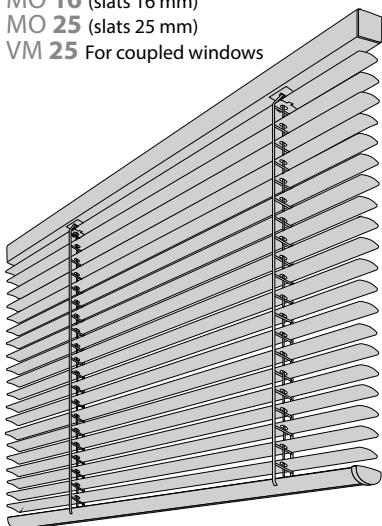


### OPERATION OPTIONS

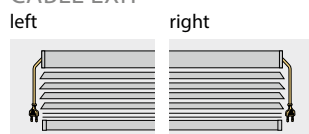


## Motor 24 V

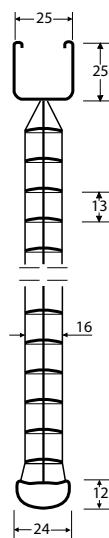
MO 16 (slats 16 mm)  
MO 25 (slats 25 mm)  
VM 25 For coupled windows



### CABLE EXIT

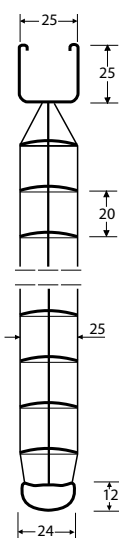


Basic Line 16



- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Chain operation (chain exit front)
- Gear 3 : 1, option: 1:1
- Gear colour: white, light grey, black
- Operating side left or right
- Control lengths in 20 cm steps from 60 to 600 cm
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Chain colour: transparent, white, black, grey
- Nickel chain for an extra charge
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

Basic Line 25



- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Motor operation (motor inside the top profile)
- Direct current motor 24 V, power consumption ca. 15 W
- 230 V / 24 V power supply unit required
- Cable exit left or right
- Operation, e.g. switch, radio, group control
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 16 mm slats

<b>Min. width</b>	32 cm
<b>Max. width</b>	45 cm
<b>Max. height</b>	200 cm
<b>Min. width</b>	46 cm
<b>Max. width</b>	270 cm
<b>Max. height</b>	260 cm
<b>Max. area</b>	6 m <sup>2</sup>

#### 25 mm slats

<b>Min. width</b>	32 cm
<b>Max. width</b>	45 cm
<b>Max. height</b>	200 cm
<b>Min. width</b>	46 cm
<b>Max. width</b>	330 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	6 m <sup>2</sup>

### BUNCH HEIGHTS

#### 16 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm
250 cm	ca. 12.5 cm

#### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

### RANGES OF SIZE

#### 16 mm slats

<b>Min. width</b>	65 cm
<b>Max. width</b>	270 cm
<b>Max. height</b>	260 cm
<b>Max. area</b>	5 m <sup>2</sup>

#### 25 mm slats

<b>Min. width</b>	65 cm
<b>Max. width</b>	330 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	5 m <sup>2</sup>

### BUNCH HEIGHTS

#### 16 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm
250 cm	ca. 12.5 cm

#### 25 mm slats

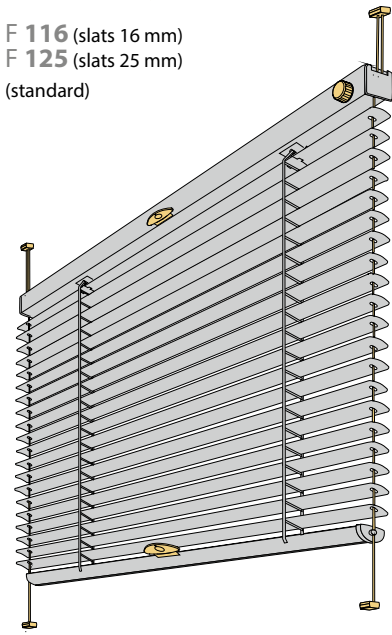
Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

# Flex Line

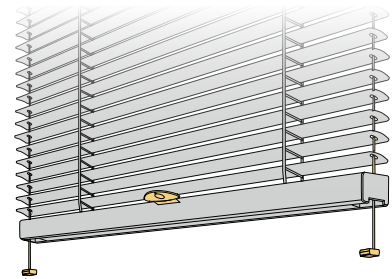
Venetian blinds

## Top, bottom profile operation / turning button

F 116 (slats 16 mm)  
F 125 (slats 25 mm)  
(standard)



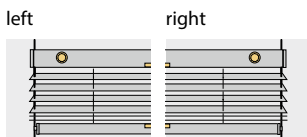
F 216 (slats 16 mm)  
F 225 (slats 25 mm)



Bottom profile is the same as top profile  
The bottom profile can also be pulled via the tension cord brackets that are identical at the top and bottom. The bottom profile is fixed with a magnet just like the top profile. There is no gap at the lower window bar.

**!** Perforated slats are not possible for the Flex Line.

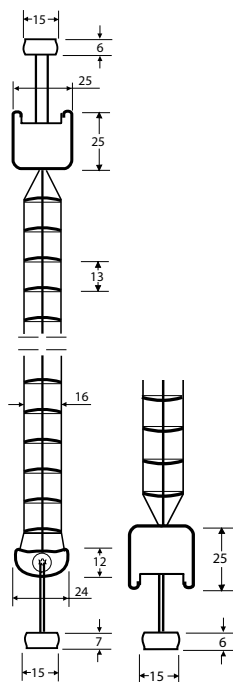
### OPERATION OPTIONS



### NUMBER OF HANDLES

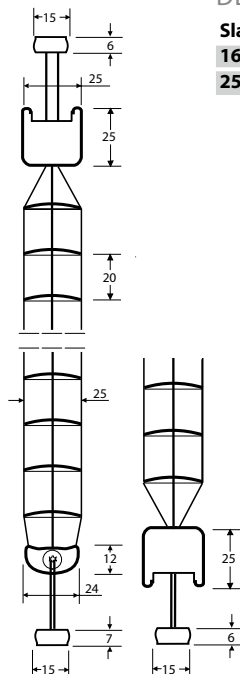
16 mm slats	
Installation width	Number of handles
Up to 620 mm	1
From 621 mm	2
25 mm slats	
Installation width	Number of handles
Up to 900 mm	1
From 901 mm	2

Flex Line 16



F 116 F 216

Flex Line 25



F 125 F 225

- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Tensioned installation with adjustable top and bottom profile
- Handles (transparent) at the top and bottom profiles, turning button at the top profile
- Turning button and end caps white, light grey, anthracite
- Operating side left or right
- Colour-matched top / bottom profiles
- Colour-matched cords, turning button and end caps
- **Tension cord brackets standard white**
- Tension cord 1.2 mm
- Fixation with tension cord bracket (large - top, small - bottom)

### MINIMUM INSTALLATION DEPTH

Slat	
16 cm	20 cm
25 cm	23 cm

### RANGES OF SIZE

16 mm slats	
Min. width	27 cm
Max. width	150 cm
Max. height	230 cm
Max. area	2 m <sup>2</sup>
25 mm slats	
Min. width	27 cm
Max. width	150 cm
Max. height	250 cm
Max. area	2 m <sup>2</sup>

### BUNCH HEIGHTS

16 mm slats	
Installation height	Bunch height
80 cm	ca. 8.0 cm
100 cm	ca. 8.5 cm
120 cm	ca. 9.5 cm
140 cm	ca. 10.0 cm
160 cm	ca. 10.5 cm
180 cm	ca. 11.0 cm
200 cm	ca. 11.5 cm
220 cm	ca. 12.0 cm
230 cm	ca. 12.5 cm
25 mm slats	
Installation height	Bunch height
80 cm	ca. 8.0 cm
100 cm	ca. 8.5 cm
120 cm	ca. 9.0 cm
140 cm	ca. 9.5 cm
160 cm	ca. 10.0 cm
180 cm	ca. 10.3 cm
200 cm	ca. 10.5 cm
220 cm	ca. 11.5 cm
240 cm	ca. 12.0 cm
250 cm	ca. 12.5 cm

### COLOURS OF TENSION CORD BRACKETS, END CAPS AND TURNING BUTTON

Colour No. 101 white (standard)



Colour No. 104 light grey



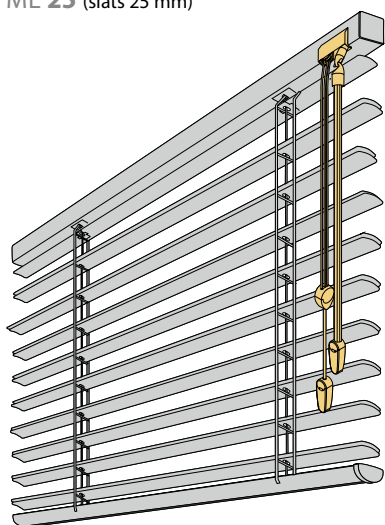
Colour No. 106 anthracite



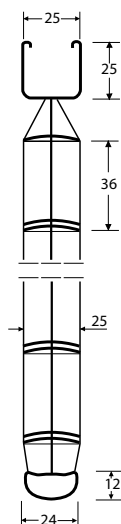


## Pull cord / turning rod

ME 25 (slats 25 mm)



Megaview 25



- Customization
- Slat width 25 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- **Double slat spacing due to unique technology** (patented and prized with the R+T Award 2009)
- **Pairs of two slats close when the blind is opened**
- Operation with transparent turning rod and pull cord
- Operating side left or right
- Control lengths 35, 50, 75, 100, 125, 150, 175, 200, 250, 300 cm
- Colour-matched top / bottom profiles
- Colour-matched cords, plastic parts
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 25 mm slats

<b>Min. width</b>	27 cm
<b>Max. width</b>	330 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	4 m <sup>2</sup>

### BUNCH HEIGHTS

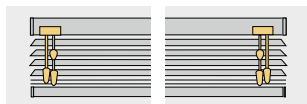
#### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.5 cm

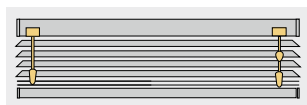
### OPERATION OPTIONS

left

right



split

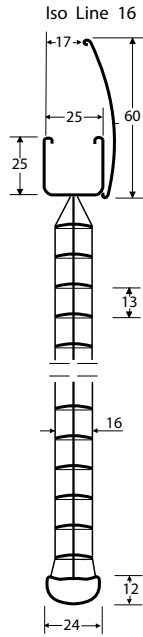
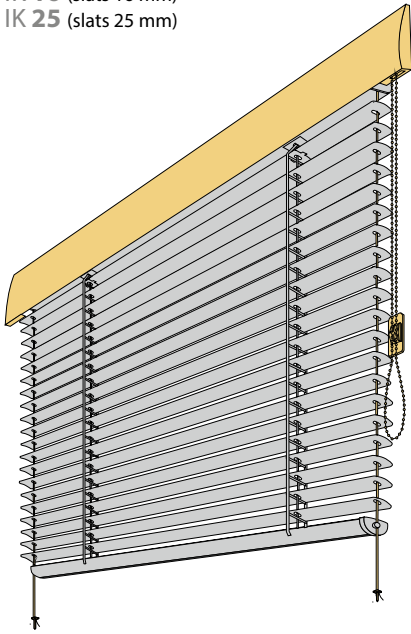


# Iso Line

Venetian blinds

## Chain

IK 16 (slats 16 mm)  
IK 25 (slats 25 mm)



- Customization
- Slat width 16, 25 mm
- Slat thickness 0.22 mm
- Tensioned installation with fixed top profile and adjustable bottom profile
- Chain operation self-stopping
- Operating side left or right
- Control lengths 60, 80, 100, 120, 140, 160 cm
- Top profile white, silver
- Chain white, grey
- Colour-matched bottom profile
- Colour-matched cords, plastic parts
- Lifting cord 1.4 mm
- Bottom fixation: Plastic window cord button, wooden universal set plastic, art. no. 603 165 100

### RANGES OF SIZE

#### 16 mm slats

<b>Min. width</b>	32 cm
<b>Max. width</b>	200 cm
<b>Max. height</b>	230 cm
<b>Max. area</b>	3 m <sup>2</sup>

#### 25 mm slats

<b>Min. width</b>	32 cm
<b>Max. width</b>	200 cm
<b>Max. height</b>	250 cm
<b>Max. area</b>	3 m <sup>2</sup>

### BUNCH HEIGHTS

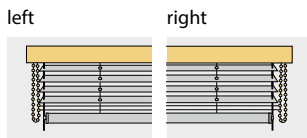
#### 16 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.5 cm
200 cm	ca. 11.5 cm

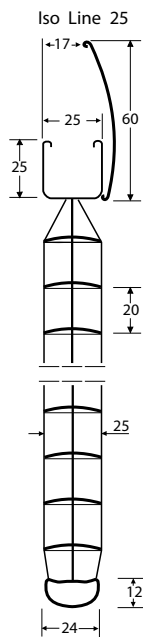
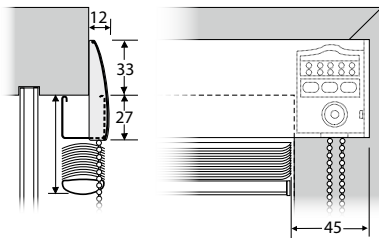
#### 25 mm slats

Installation height	Bunch height
100 cm	ca. 8.5 cm
150 cm	ca. 10.0 cm
200 cm	ca. 10.5 cm
250 cm	ca. 13.0 cm

### OPERATION OPTIONS



### ASSEMBLY EXCESS LENGTH

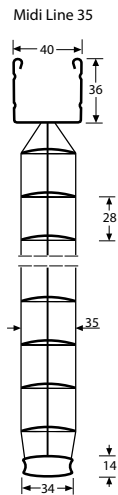
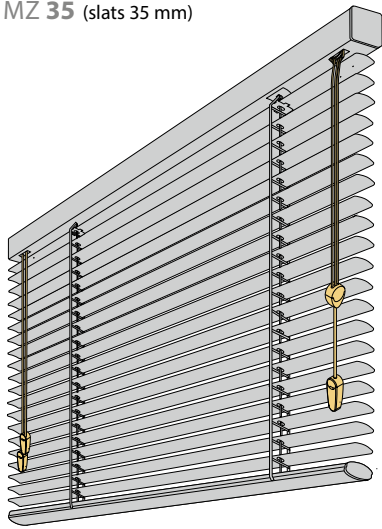


**Window bar depth min. 20 mm! If smaller depths are used, distance disks are required.**



## Pull cord / turning cord

MZ 35 (slats 35 mm)



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Pull cord and turning cord
- Operating side left, right
- Operating side split (pull, turning cord left or right)
- Control length freely selectable
- **Also available with turning rod**
- Colour-matched top, bottom profiles
- **Ladder cords** available, width 19 mm
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Turning cord 2.2 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 35 mm slats

<b>Min. width</b>	36 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	9 m <sup>2</sup>

### BUNCH HEIGHTS

#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

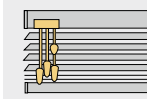
#### 35 mm slats

##### With ladder cord

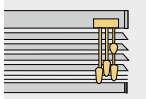
Installation height	Bunch height
100 cm	ca. 9.0 cm
150 cm	ca. 11.0 cm
200 cm	ca. 13.0 cm
250 cm	ca. 15.0 cm
300 cm	ca. 17.0 cm

### OPERATION OPTIONS

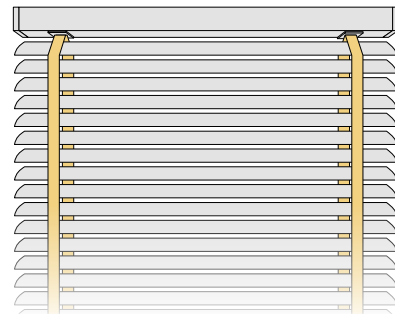
left



right



split



### LADDER CORD COLOURS



Colour No. 040 black



Colour No. 001 white



Colour No. 110 mustard yellow



Colour No. 290 auburn



Colour No. 020 grey



Colour No. 190 cream



Colour No. 090 copper



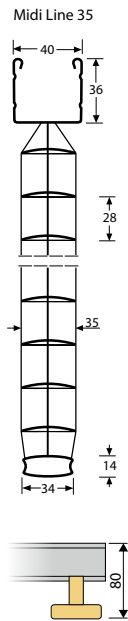
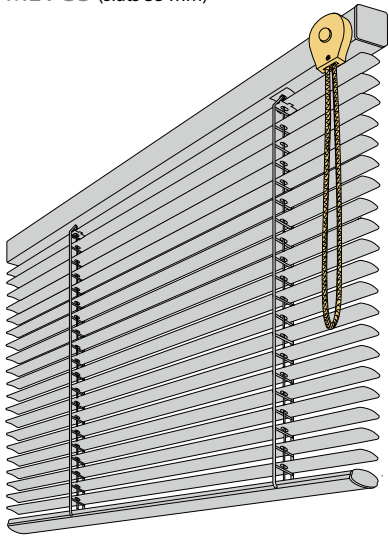
Colour No. 060 brown

# Midi Line

Venetian blinds

## Endless cord - front

MEV 35 (slats 35 mm)



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Endless cord operation (cord exit - front)
- Gear 2.7 : 1, light grey
- Operating side left or right
- Control lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500 cm
- Colour-matched top, bottom profiles
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 35 mm slats

<b>Min. width</b>	45 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

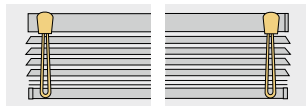
#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

### OPERATION OPTIONS

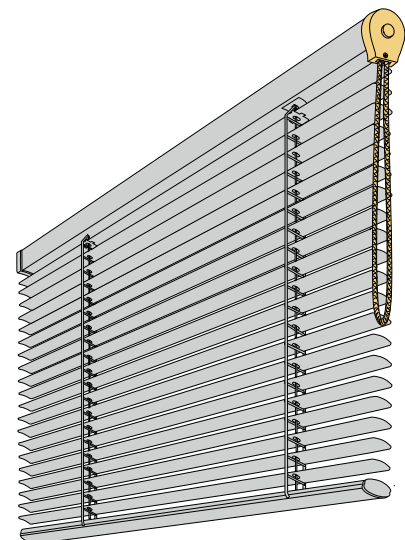
left

right



## Endless cord at side

MES 35 (slats 35 mm)



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Endless cord operation (cord exit - at side)
- Gear 2.6 : 1, light grey
- Operating side left or right
- Control lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500 cm
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

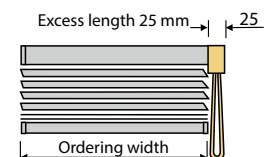
#### 35 mm slats

<b>Min. width</b>	45 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

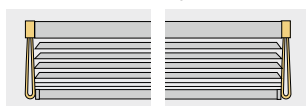


**Note excess length of gear!**

### OPERATION OPTIONS

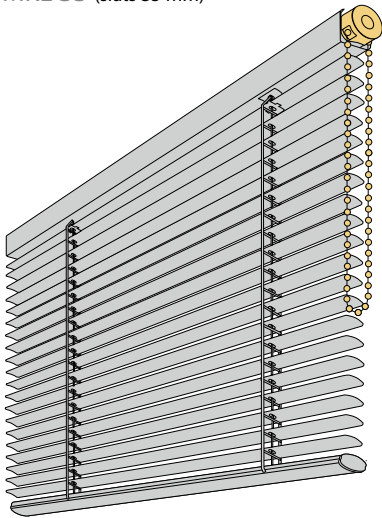
left

right

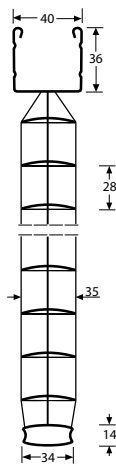


## Chain

MKE 35 (slats 35 mm)



Midi Line 35



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Chain operation (chain exit at side)
- Gear 3.25 : 1, white
- Operating side left or right, control lengths are available in 20 cm steps from 60 to 600 cm.
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 35 mm slats

<b>Min. width</b>	45 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

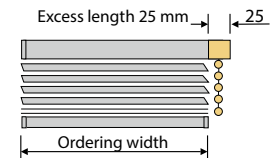
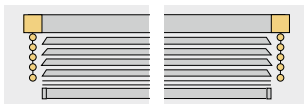
#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

### OPERATION OPTIONS

left

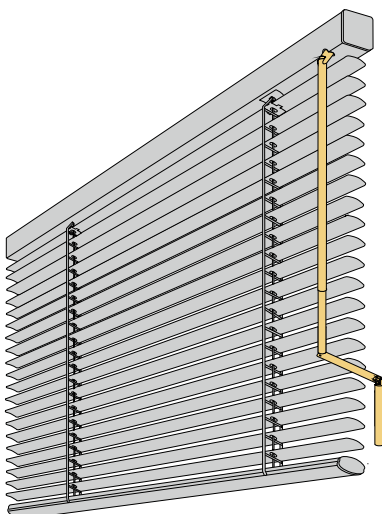
right



**Note excess length of gear!**

## Crank

MKU 35 (slats 35 mm)



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Crank operation, removable crank for an extra charge
- Crank length as required max. 300 cm, silver
- Colour-matched top, bottom profiles
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 35 mm slats

<b>Min. width</b>	45 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

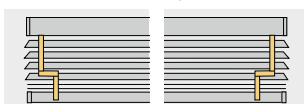
#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

### OPERATION OPTIONS

left

right

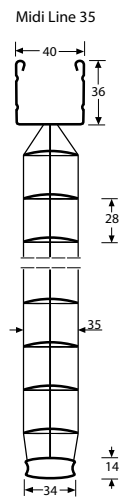
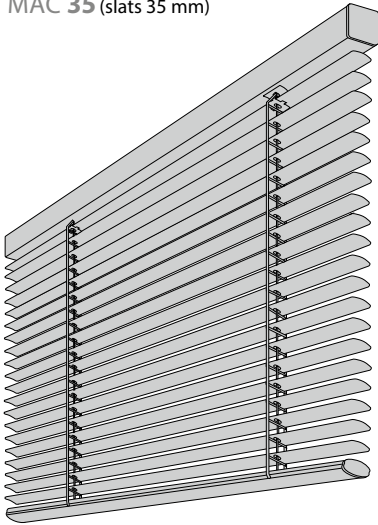


# Midi Line

Venetian blinds

## Motor 230 V

MAC 35 (slats 35 mm)



- Customization
- Slat width 35 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Motor operation (motor inside the top profile)
- Cage motor 230 V, power consumption ca. 150 W with integrated thermal protection
- Connection via premounted Hirschmann connector and cable socket
- Limit switch (mushroom push button) for upper limit position / fixed bottom limit position
- Cable exit left or right
- (Operation, e.g. switch, radio, group control, see electric accessories 230 V)
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Lifting cord 1.4 mm
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 35 mm slats

<b>Min. width</b>	66 cm
<b>Max. width</b>	400 cm
<b>Max. height</b>	300 cm
<b>Max. area</b>	8.0 m <sup>2</sup>

### BUNCH HEIGHTS

#### 35 mm slats

Installation height	Bunch height
100 cm	ca. 8.0 cm
150 cm	ca. 9.0 cm
200 cm	ca. 11.0 cm
250 cm	ca. 13.0 cm
300 cm	ca. 14.0 cm

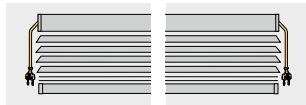


**Please use only the original control parts because of the integrated limit switching. Damage due to third-party products are excluded from warranty.**

### OPERATION OPTIONS

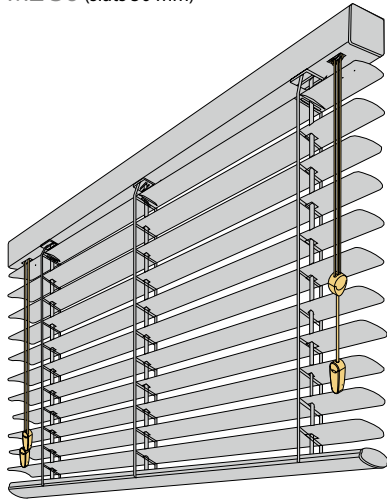
left

right

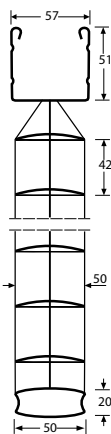


## Pull cord / turning cord

MZ 50 (slats 50 mm)



Maxi Line 50



- Customization
- Slat width 50 mm
- Slat thickness 0.24 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Pull cord and turning cord
- Operating side left, right
- Operating side split (pull, turning cord left or right)
- Control length freely selectable
- Colour-matched top / bottom profiles
- Ladder cords available, width 25 mm
- Plastic parts transparent, colour-matched cords
- Pull and turning cord 3 mm
- Top fixation wall, ceiling brackets
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 50 mm slats

<b>Min. width</b>	45 cm
<b>Max. width</b>	490 cm
<b>Max. height</b>	400 cm
<b>Max. area</b>	9 m <sup>2</sup>

### BUNCH HEIGHTS

#### 50 mm slats

Installation height	Bunch height
100 cm	ca. 10.0 cm
150 cm	ca. 13.0 cm
200 cm	ca. 15.0 cm
250 cm	ca. 17.0 cm
300 cm	ca. 18.0 cm
350 cm	ca. 20.0 cm
400 cm	ca. 21.0 cm

#### 50 mm slats with ladder cord

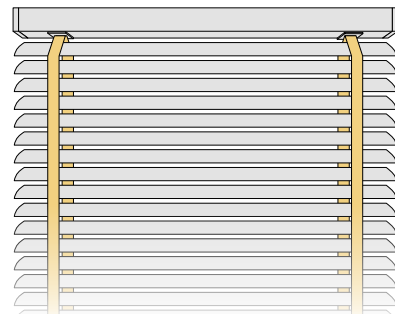
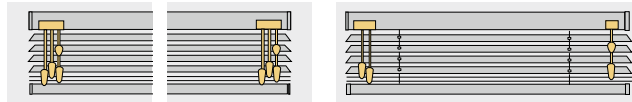
Installation height	Bunch height
100 cm	ca. 12.0 cm
150 cm	ca. 14.0 cm
200 cm	ca. 17.0 cm
250 cm	ca. 19.0 cm
300 cm	ca. 22.0 cm
350 cm	ca. 24.0 cm
400 cm	ca. 27.0 cm

### OPERATION OPTIONS

left

right

split



### LADDER CORD COLOURS



Colour No. 040 black



Colour No. 210 white



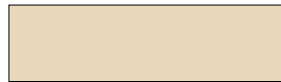
Colour No. 110 mustard yellow



Colour No. 290 auburn



Colour No. 020 grey



Colour No. 190 cream



Colour No. 090 copper



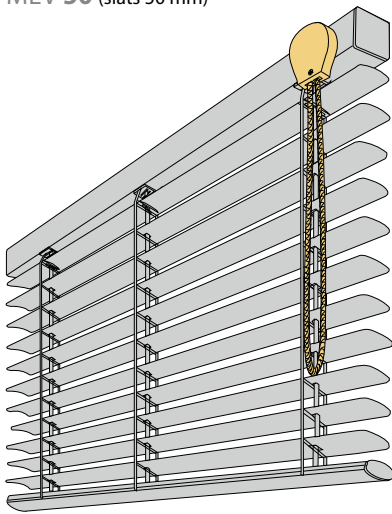
Colour No. 060 brown

# Maxi Line

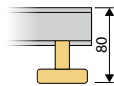
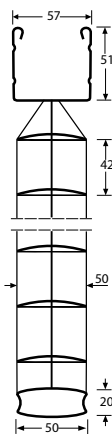
Venetian blinds

## Endless cord - front

MEV 50 (slats 50 mm)



Maxi Line 50



- Customization
- Slat width 50 mm
- Slat thickness 0.24 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Endless cord operation (cord exit - front)
- Gear 2.7 : 1, light grey
- Operating side left or right
- Control lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500 cm
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Pulling with 6 mm tex tape, white or light grey
- Top fixation wall, ceiling brackets
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 50 mm slats

<b>Min. width</b>	60 cm
<b>Max. width</b>	490 cm
<b>Max. height</b>	500 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

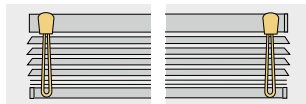
#### 50 mm slats

Installation height	Bunch height
100 cm	ca. 10.0 cm
150 cm	ca. 13.0 cm
200 cm	ca. 15.0 cm
250 cm	ca. 17.0 cm
300 cm	ca. 18.0 cm
350 cm	ca. 20.0 cm
400 cm	ca. 21.0 cm

### OPERATION OPTIONS

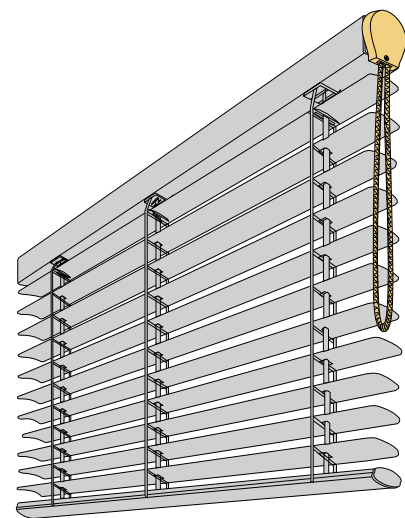
left

right



## Endless cord at side

MES 50 (slats 50 mm)



- Customization
- Slat width 50 mm
- Slat thickness 0.24 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Endless cord operation (cord exit - at side)
- Gear 2.6 : 1, light grey
- Operating side left or right
- Control lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500 cm
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Pulling with 6 mm tex tape, white or light grey
- Top fixation wall, ceiling brackets
- Cord guiding for an extra charge

### RANGES OF SIZE

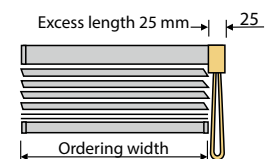
#### 50 mm slats

<b>Min. width</b>	60 cm
<b>Max. width</b>	490 cm
<b>Max. height</b>	500 cm
<b>Max. area</b>	10 m <sup>2</sup>

### BUNCH HEIGHTS

#### 50 mm slats

Installation height	Bunch height
100 cm	ca. 10.0 cm
150 cm	ca. 13.0 cm
200 cm	ca. 15.0 cm
250 cm	ca. 17.0 cm
300 cm	ca. 18.0 cm
350 cm	ca. 20.0 cm
400 cm	ca. 21.0 cm

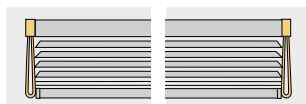


**Note excess length of gear!**

### OPERATION OPTIONS

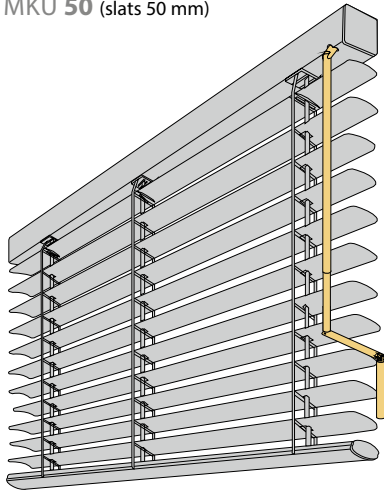
left

right

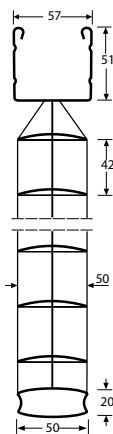


## Crank

MKU 50 (slats 50 mm)



Maxi Line 50



- Customization
- Slat width 50 mm
- Slat thickness 0.24 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Crank operation, removable crank for an extra charge
- Crank length as required max. 300 cm, silver
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Pulling with 6 mm tex tape, white or light grey
- Top fixation wall, ceiling brackets
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 50 mm slats

<b>Min. width</b>	60 cm
<b>Max. width</b>	490 cm
<b>Max. height</b>	500 cm
<b>Max. area</b>	10 m <sup>2</sup>

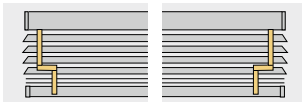
### BUNCH HEIGHTS

#### 50 mm slats

Installation height	Bunch height
100 cm	ca. 10.0 cm
150 cm	ca. 13.0 cm
200 cm	ca. 15.0 cm
250 cm	ca. 17.0 cm
300 cm	ca. 18.0 cm
350 cm	ca. 20.0 cm
400 cm	ca. 21.0 cm

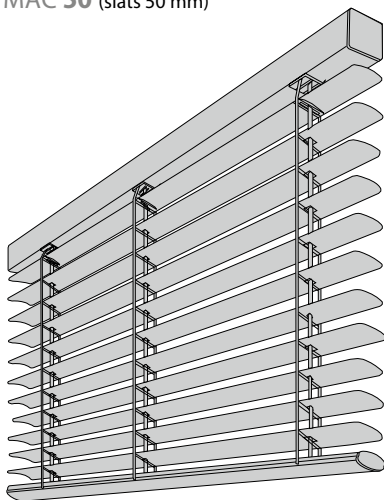
### OPERATION OPTIONS

left right



## Motor 230 V

MAC 50 (slats 50 mm)



- Customization
- Slat width 50 mm
- Slat thickness 0.22 mm
- Free-hanging installation with fixed top profile and adjustable bottom profile
- Motor operation (motor inside the top profile)
- Cage motor 230 V, power consumption ca. 100 W, with integrated thermal protection and capacitor, protection class (IP44), easily accessible and exact limit switches, connection via premounted Hirschmann connector
- Cable exit left, centre or right (operation e.g. switch, radio, group control)
- Colour-matched top / bottom profiles
- Plastic parts transparent, colour-matched cords
- Pulling with 6 mm tex tape, white or light grey
- Top fixation with wall / ceiling fixing bracket with quick-lock
- Cord guiding for an extra charge

### RANGES OF SIZE

#### 50 mm slats

<b>Min. width</b>	60 cm
<b>Max. width</b>	490 cm
<b>Max. height</b>	500 cm
<b>Max. area</b>	18.0 m <sup>2</sup>

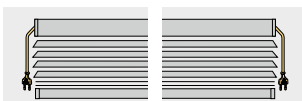
### BUNCH HEIGHTS

#### 50 mm slats

Installation height	Bunch height
200 cm	ca. 17.0 cm
250 cm	ca. 19.0 cm
300 cm	ca. 20.0 cm
350 cm	ca. 22.0 cm
400 cm	ca. 24.0 cm

### CABLE EXIT

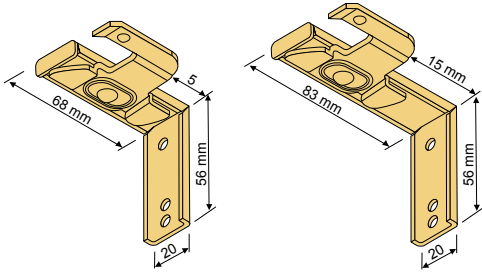
left right



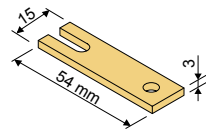
## Assembly instruction Wall and ceiling fixing brackets



**Important!** When you use the wall and ceiling fixing brackets with quick-lock for Maxi Line for ceiling fixation, a gap will form between the head rail and the ceiling.

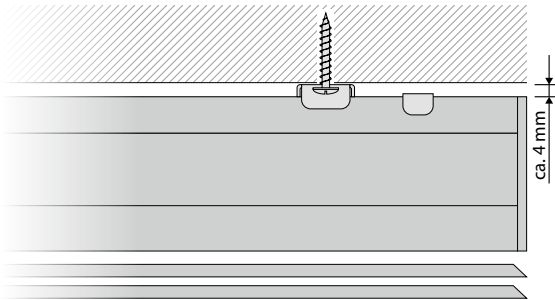


**Wall / ceiling fixing bracket**  
with quick-lock

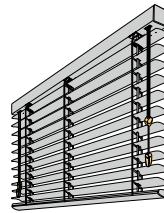


**Distance disk for wall / ceiling fixing bracket**  
50 mm venetian blind

### PULL CORD / TURNING CORD

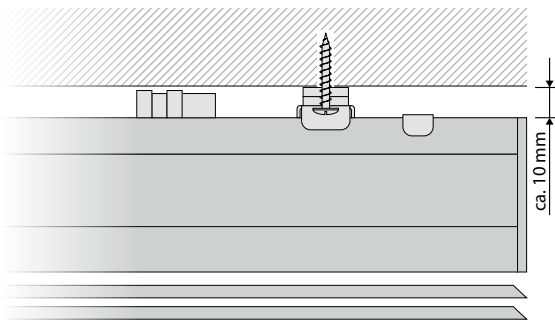


– ca. 4 mm gap between head rail and ceiling

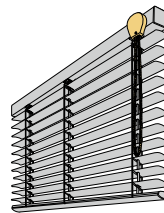


MZ 50

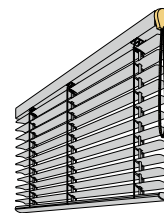
### CRANK AND ENDLESS CORD FRONT AND AT SIDE



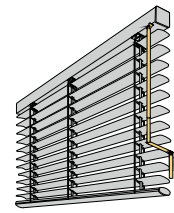
– ca. 10 mm gap between head rail and ceiling  
– Due to the excess length of the tape/cord coils, two distance disks must be used per wall and ceiling fixing bracket (they are included in the scope of delivery)



MEV 50

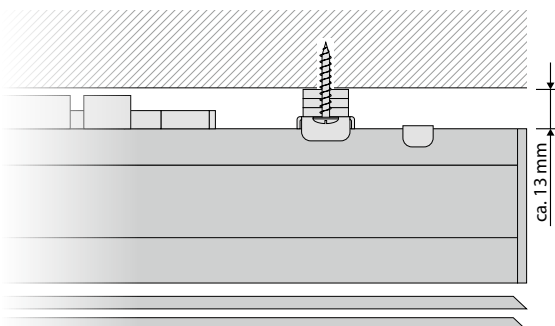


MES 50

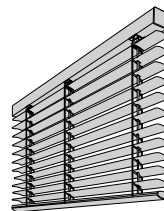


MKU 50

### MOTOR



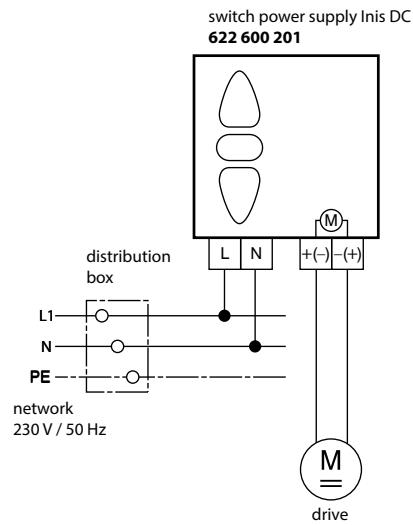
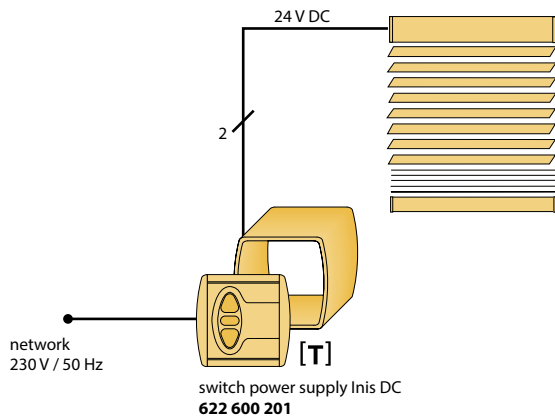
– ca. 13 mm gap between head rail and ceiling  
– Due to the excess length of the tape/cord coils and of the motor, three distance disks must be used per wall and ceiling fixing bracket (they are included in the scope of delivery)



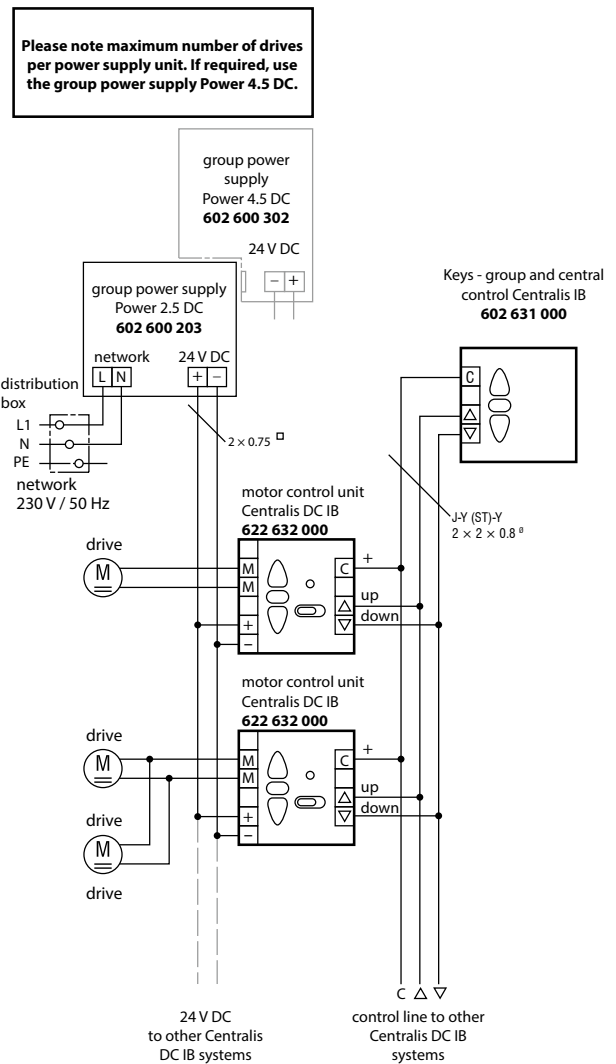
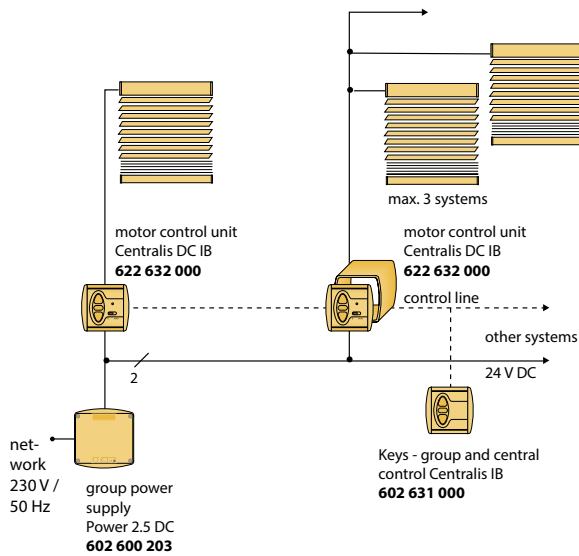
MAC 50



## Single operation



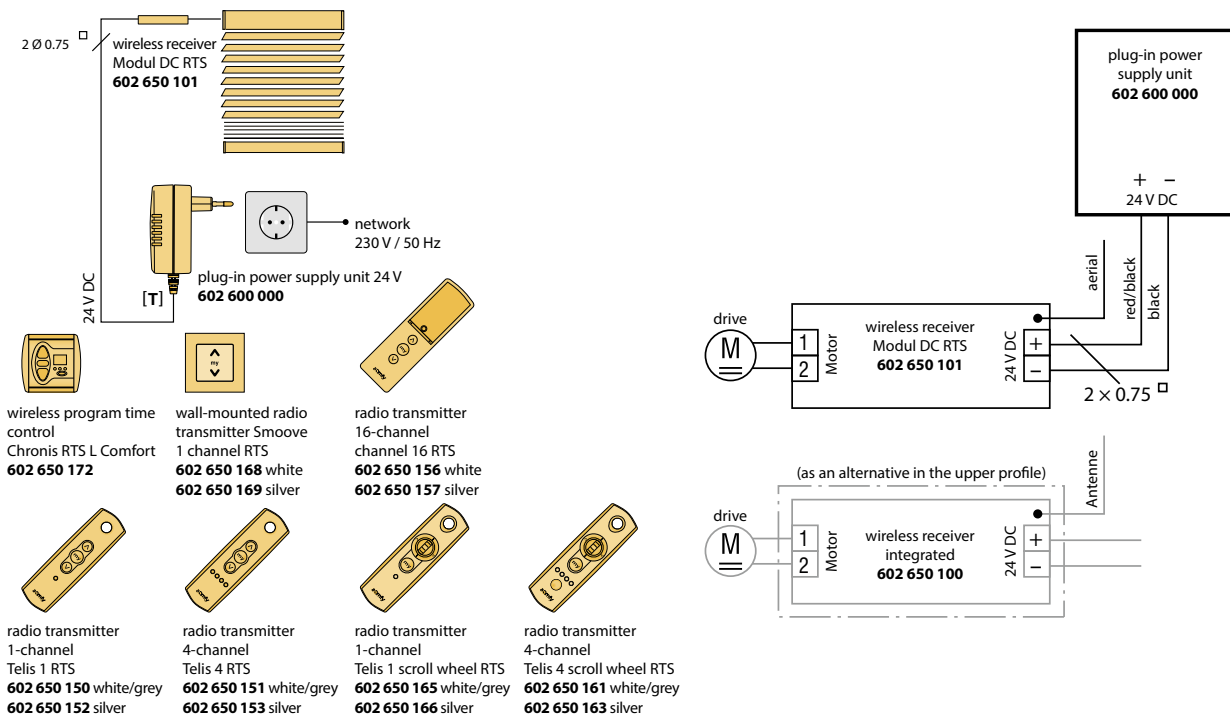
## Group operation



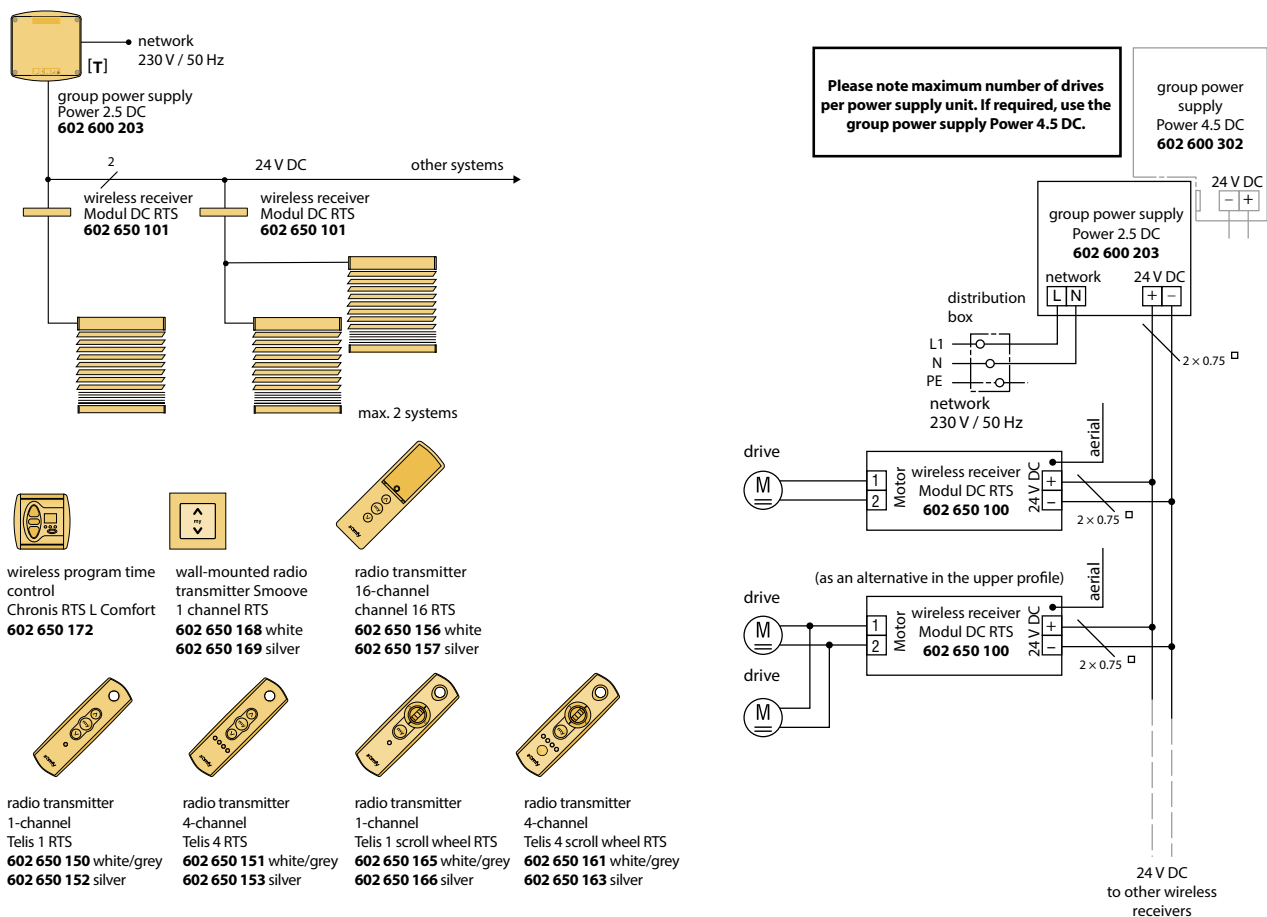
# Circuit diagrams 24 V

Venetian blinds

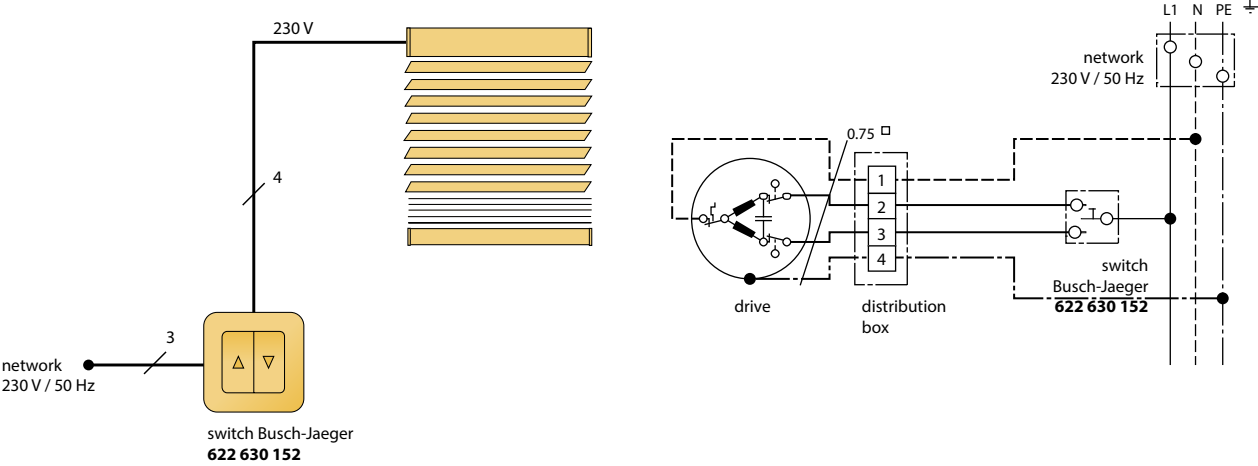
## Single remote control



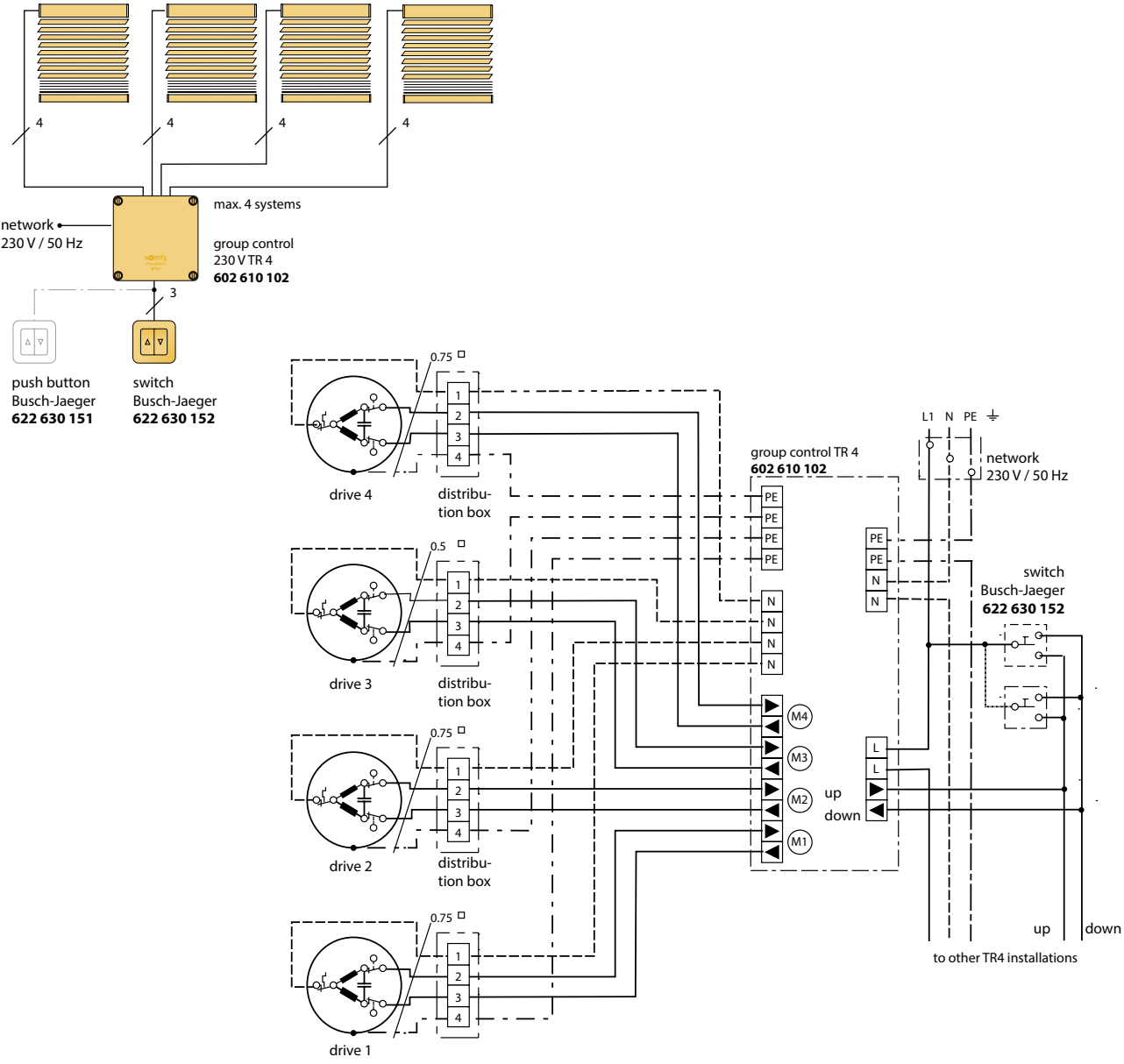
## Group remote control



### Single operation



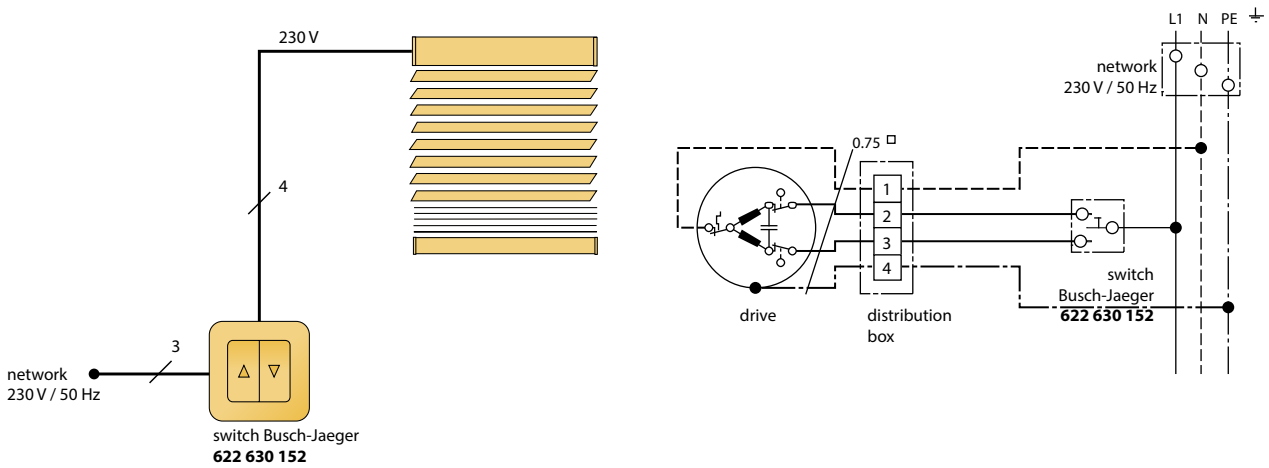
### Group operation



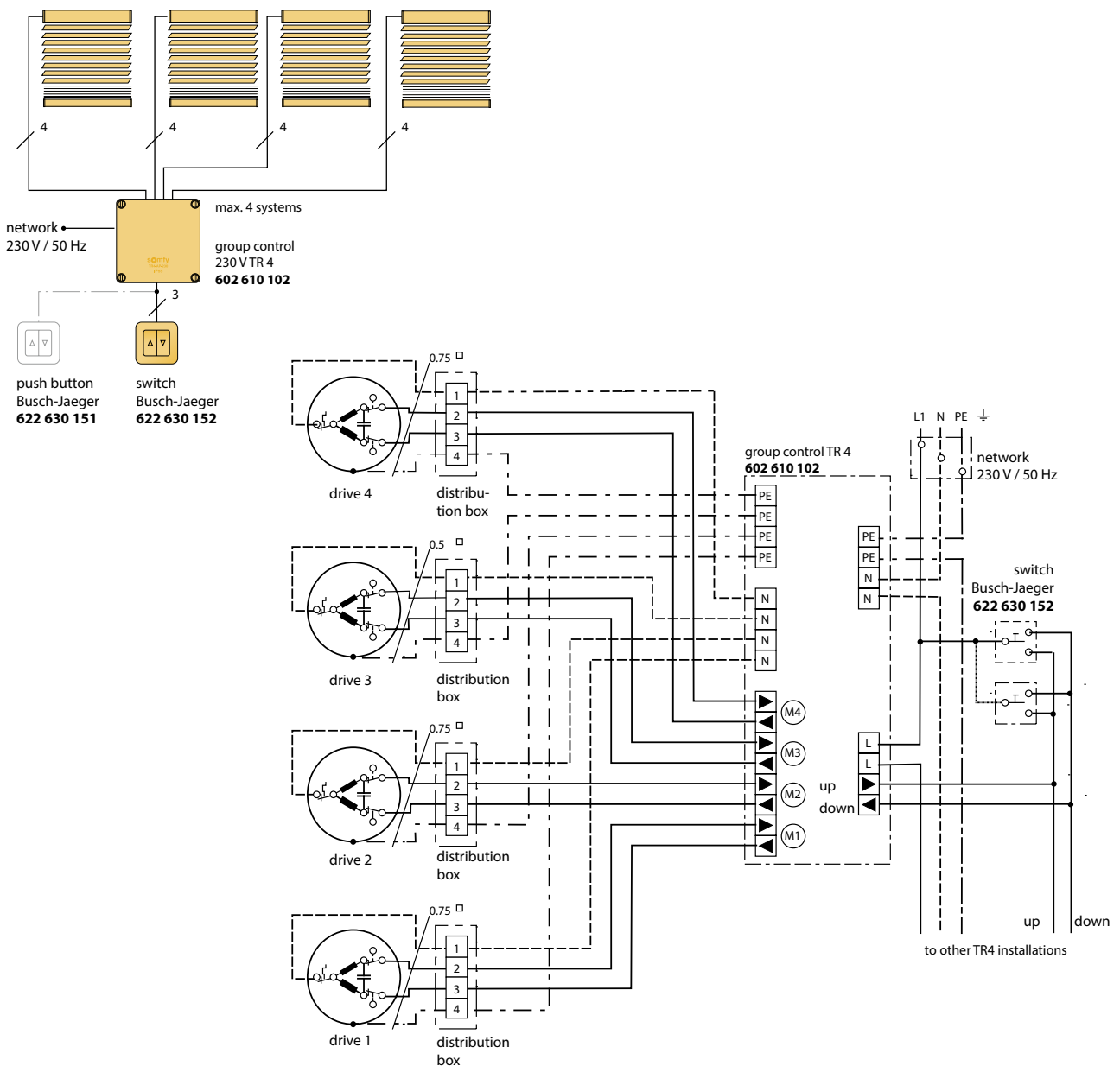
# Circuit diagrams 230 V

Venetian blinds

## Single operation



## Group operation



## Basis Plus

### Rail

- Extruded aluminium head rail profiles with 2, 3, 4 or 5 tracks
- Available colours: Aluminium anodized to E6/EV 1 or white powder-coated (RAL 9016), any other RAL colour possible on request
- Bearing length 6 m
- End caps in white or grey
- Fixation with ceiling clamping (standard) or ceiling clip (extra charge)
- Fixtures and fittings
- Track width 6 mm

### Panel carriage with velcro profile

- Extruded aluminium panel profile with pressed-in velcro tape
- Available colours: Aluminium anodized to E6/EV 1 or white powder-coated (RAL 9016)
- Bearing length 6 m
- Noise-damped rollers (silent type)
- T and L carriers - colour-matched to panel profile colour
- Frieze band

### Panel carriage with cord edge profile

- Extruded aluminium panel profile with cord edge opening
- Noise-damped rollers (silent type)
- T and L carriers for interconnecting the panels
- Hold down strip

### Panel carriage with design profile

- Extruded aluminium panel profile
- Well-shaped design with the same face on both sides (for room dividers)
- Noise-damped rollers (silent type)
- Subsequent installation in existing Basis plus panel blind head rail using a turning roll
- Only operation variant "freely slidable" possible
- Hold down strip

### Bottom weights

- Weight profile 3 x 20 mm aluminium (standard)
- Weight profile 6 x 20 mm aluminium (extra charge)
- Profile made of extruded aluminium for weights in piping
- Available colours: silver or white

### RANGE OF SIZES

#### Freely slidable

<b>Installation width</b>	590 cm*
<b>Min. panel width</b>	30 cm**
<b>Max. panel width</b>	140 cm**
<b>Max. panel height</b>	350 cm**
<b>Max. panel weight</b>	1.5 kg

\*Bigger installation width possible with connector

\*\*depending on fabric

### RANGE OF SIZES

#### Draw bar

<b>Installation width</b>	590 cm
<b>Min. panel width</b>	30 cm*
<b>Max. panel width</b>	70 cm*
<b>Max. panel height</b>	220 cm*
<b>Max. panel weight</b>	1.5 kg
<b>Max. number of connected panels</b>	3 panels

\* depending on fabric

### RANGE OF SIZES

#### Cord operation

<b>Installation width</b>	590 cm
<b>Min. panel width</b>	30 cm*
<b>Max. panel width</b>	140 cm*
<b>Max. panel height</b>	300 cm*
<b>Max. panel weight</b>	1.5 kg
<b>Max. installation weight</b>	6 kg
<b>Max. number of connected panels</b>	5 panels

\* depending on fabric

### RANGE OF SIZES

#### Motor

<b>Installation width</b>	590 cm
<b>Min. panel width</b>	30 cm*
<b>Max. panel width</b>	140 cm*
<b>Max. panel height</b>	300 cm*
<b>Max. panel weight</b>	1.5 kg
<b>Max. installation weight</b>	8 kg
<b>Max. number of connected panels</b>	5 panels

\* depending on fabric



White  
201

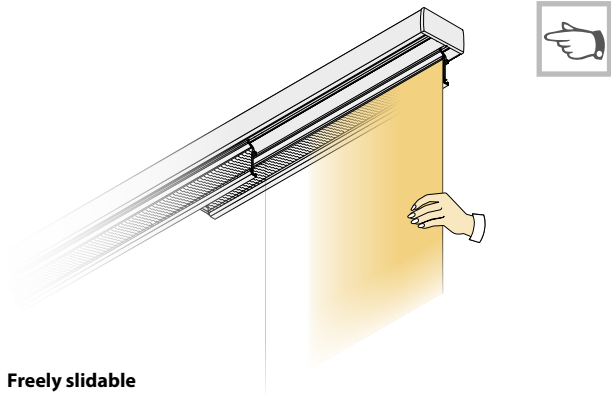


Silver  
241

# Basis Plus

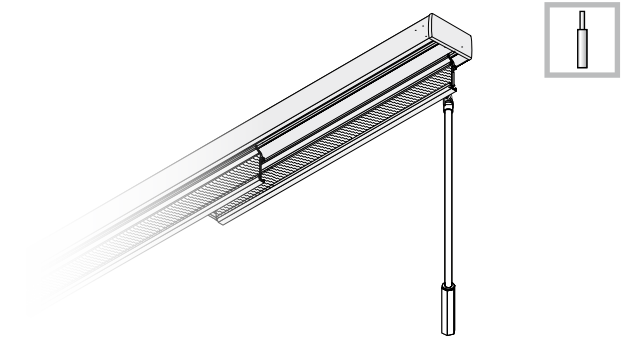
Panel blinds

## Operation variants Basis Plus



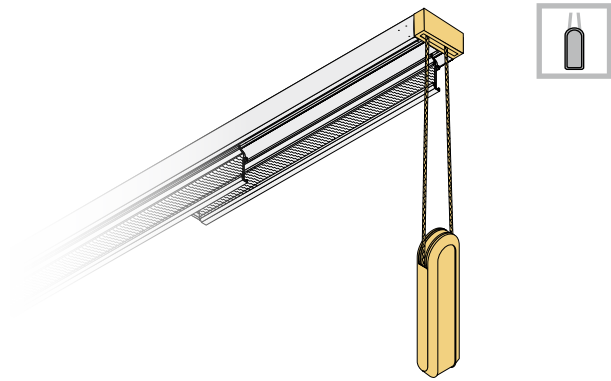
### Freely slidable

- The position of the individual panel carriages can be selected freely
- The panel carriages can be combined with a draw bar



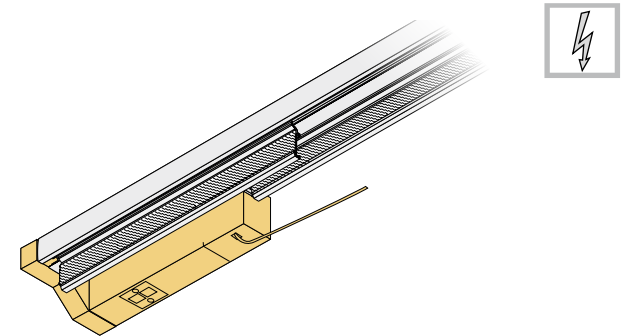
### Draw bar

- The individual panel carriages are interconnected with carriers
- Operation with draw bar
- Premounted



### Cord operation

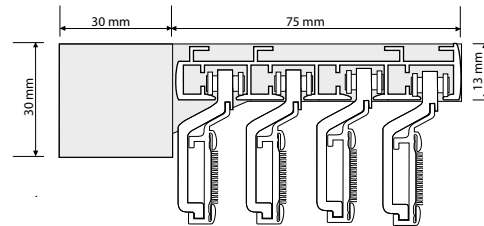
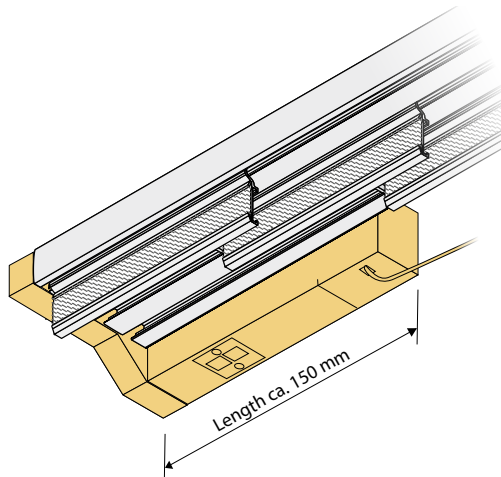
- The individual panel carriages are interconnected with carriers
- Cord operation
- Premounted



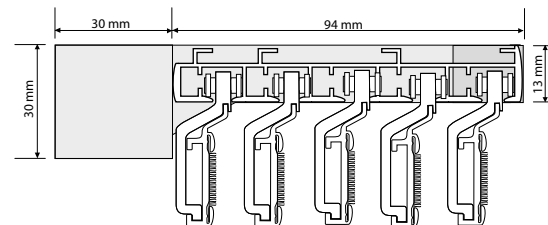
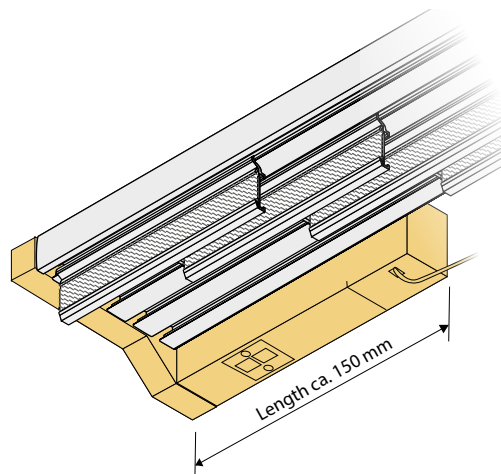
### Motor

- The individual panel carriages are interconnected with carriers
- Operation with motor

TECHNICAL DATA (MOTOR)



4-track (scale 1:2)



5-track (scale 1:2)

Motor type: DC motor  
Voltage: 24 V  
Rated current: 300 mA  
Torque: max. 6 Ncm  
Rotations: 59 rpm  
Speed: 6.7 cm/s  
Type of protection: IP 41

**Product features**

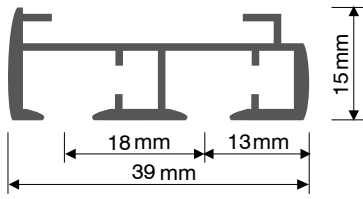
- Operating side: left or right, behind the panel
- Only for 4 or 5-track installations
- Flat design is almost completely hidden by carriage and rail, design height 30 mm
- Noise-optimised
- Transport of panels with special cylindrical chain
- Can be operated with common transformers / transformer & wireless receiver combinations with 24 V DC
- Integrated mechanical limit switch
- Only with white rail, note max. dimensions

# Basis Plus

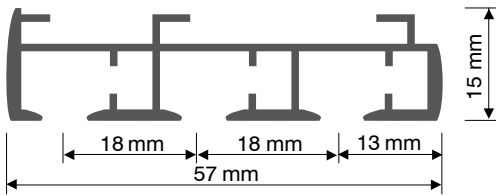
Panel blinds

## Rail profile Basis Plus Scale 1:1

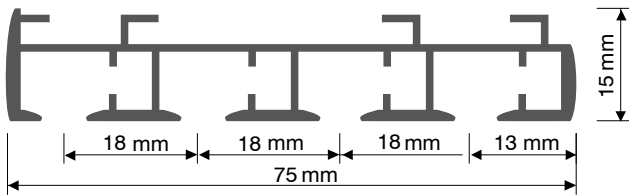
7520



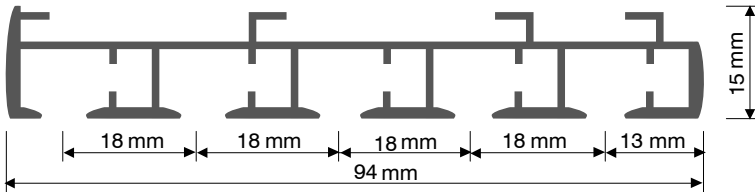
7530



7540



7550

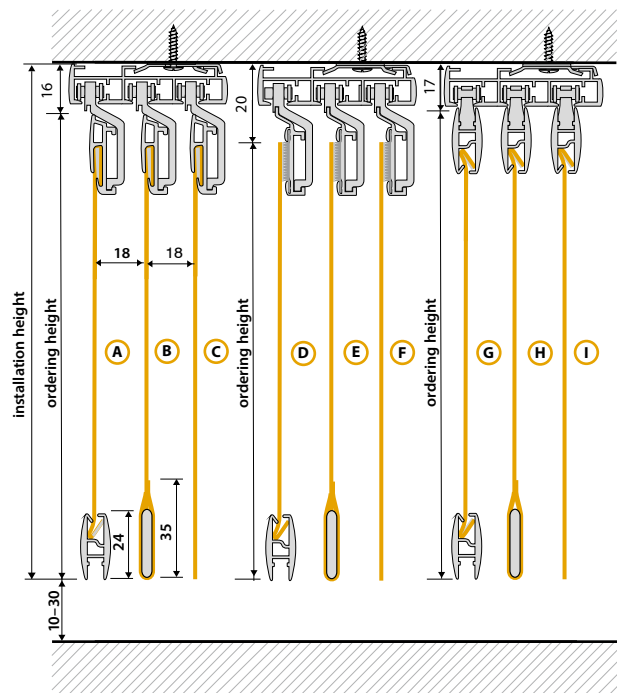
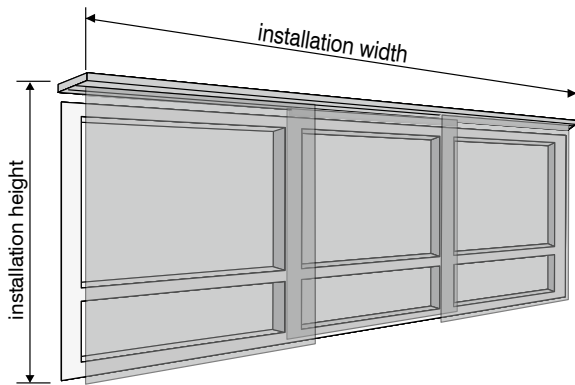




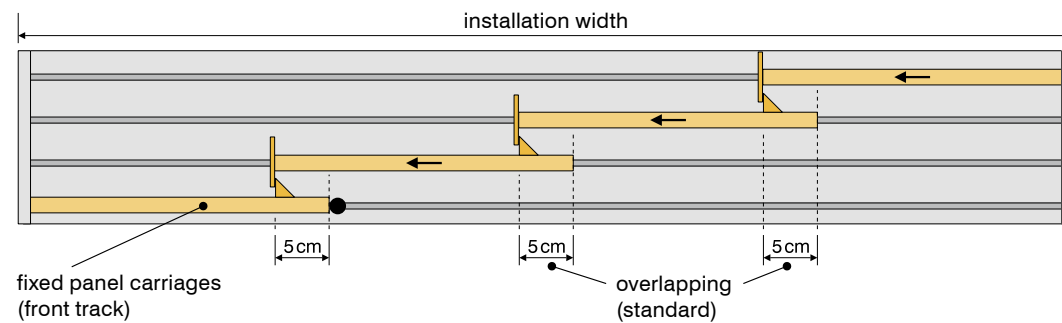
## Site measuring (notes) Basis Plus

### Determining the installation measures

The width of the rail incl. end caps is the installation width. Please deduct min. 10 mm if you install your panel in a recess.  
The installation height is measured from the upper edge of the mechanism to the lower edge of the panel. We recommend deducting ca. 10 to 30 mm from the height to the bottom.



### PANEL CALCULATION



#### Calculating the panel width

If the number of panels has been selected, you can calculate the panel width as follows:

$$\text{Panel width} = \frac{\text{Installation width} - \text{overlapping}}{\text{Number of panels}} + \text{overlapping}$$

Overlapping standard 5 cm

#### Calculating the number of panels

If the panel width has been selected, you can calculate the number of panels as follows:

$$\text{Number of panels} = \frac{\text{Installation width} - \text{overlapping}}{\text{Panel width} - \text{overlapping}}$$

Overlapping standard 5 cm



**For installation heights from 2.50 m an overlapping of 10 cm is recommended.**

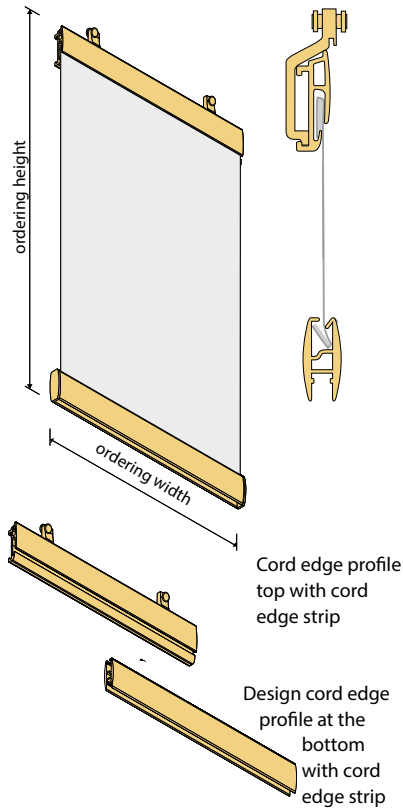
# Basis Plus

Panel blinds

## List of panel carriages Basis Plus

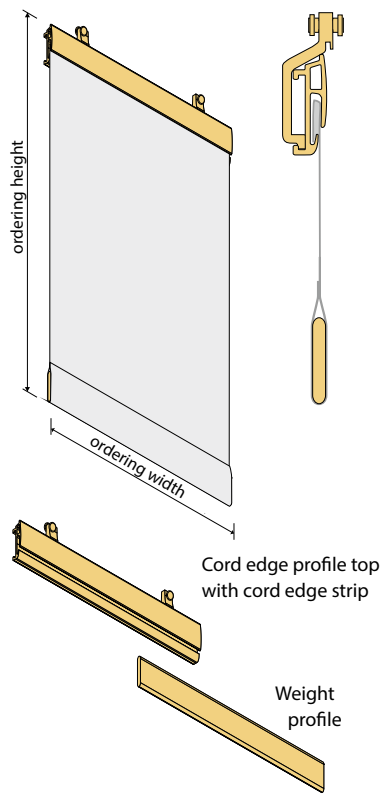
### VERSION A

Panel carriage with cord edge profile top and bottom incl. panel carriage rollers, cord edge profile top and bottom with cord edge strip



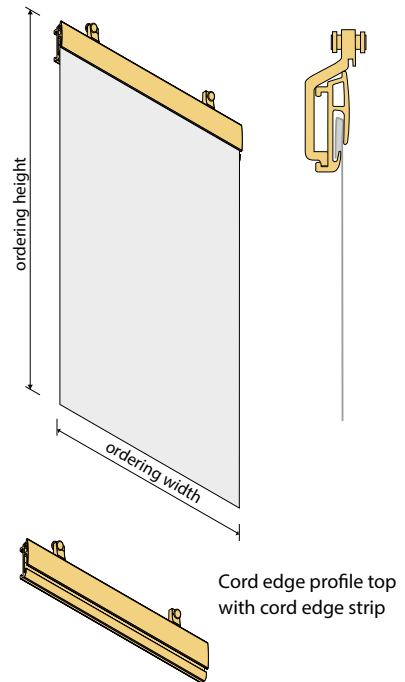
### VERSION B

Panel carriage with cord edge and weight profile incl. panel carriage rollers, cord edge profile top with cord edge strip, weight profile 3 x 20 mm at bottom



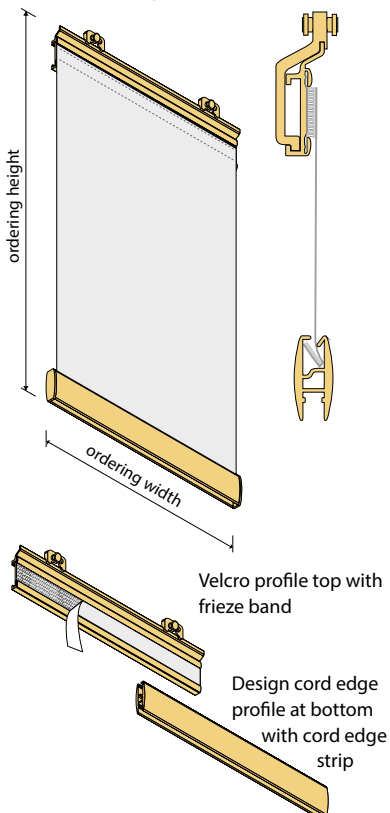
### VERSION C

Panel carriage with cord edge profile incl. panel carriage rollers, cord edge profile top with cord edge strip



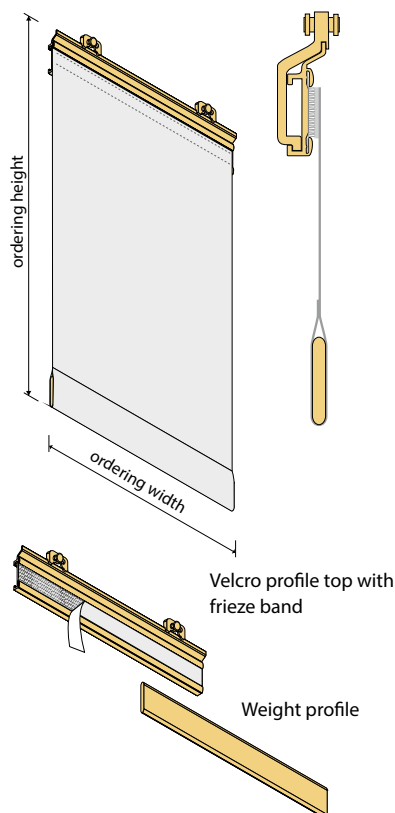
### VERSION D

Panel carriage with velcro and cord edge profile incl. panel carriage rollers, velcro profile top with frieze band and cord edge profile at bottom with cord edge strip



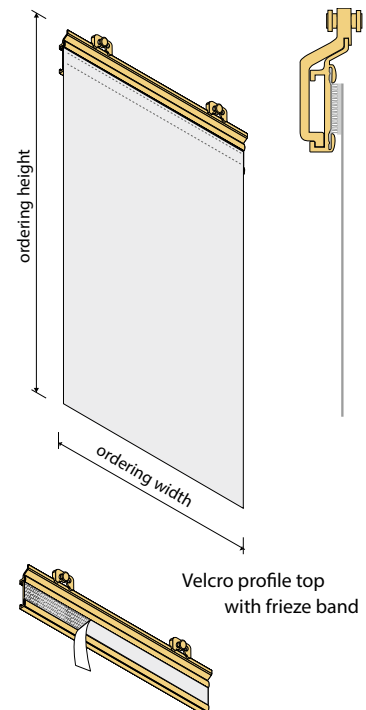
### VERSION E

Panel carriage with velcro and weight profile incl. panel carriage rollers, velcro profile top with frieze band, weight profile 3 x 20 mm at bottom



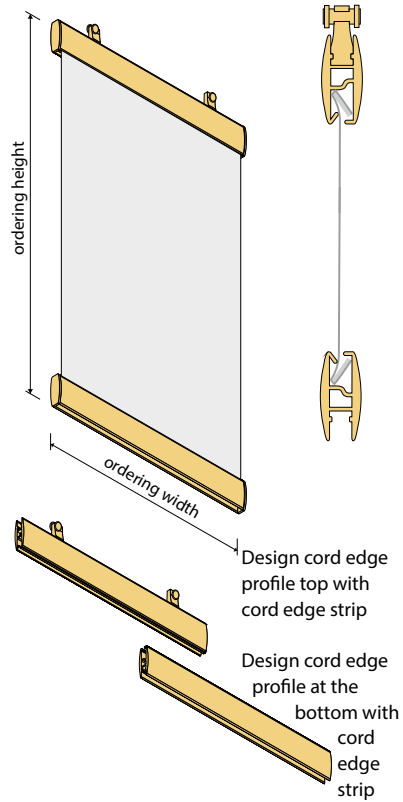
### VERSION F

Panel carriage with velcro profile incl. panel carriage rollers, velcro profile top with frieze band



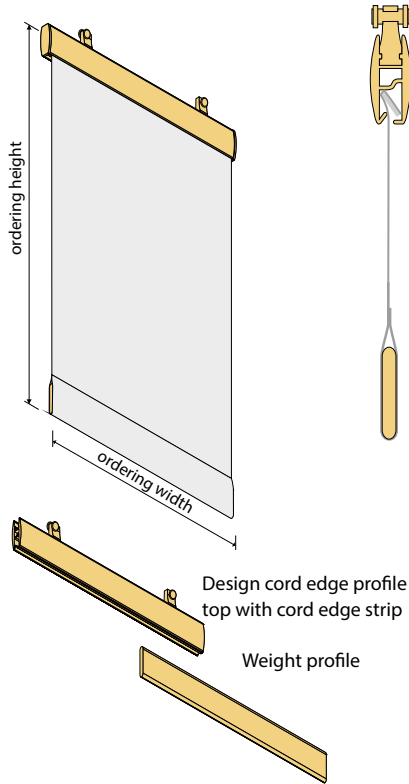
VERSION G

**Panel carriage with design profile top and bottom**  
incl. panel carriage rollers, design profile top and bottom with cord edge strip



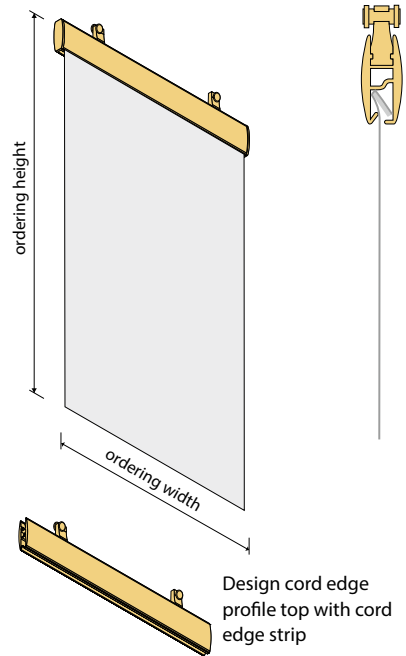
VERSION H

**Panel carriage with design and weight profile**  
incl. panel carriage rollers, design profile top with cord edge strip and weight profile 3 x 20 mm at bottom



VERSION I

**Panel carriage with design profile**  
incl. panel carriage rollers, design profile top with cord edge strip



# Basis Plus

Panel blinds

## Panel blind made of segments

### PRODUCT DESCRIPTION

- Made-to-measure panels made of segments
- Split by intermediate profile with hold down strip
- Please order intermediate profile separately

#### Upper end:

- Panel with frieze band
- Panel with cord edge

#### Lower end:

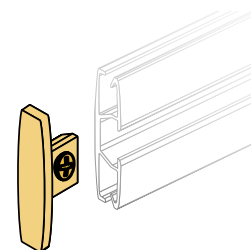
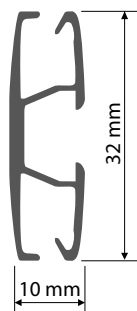
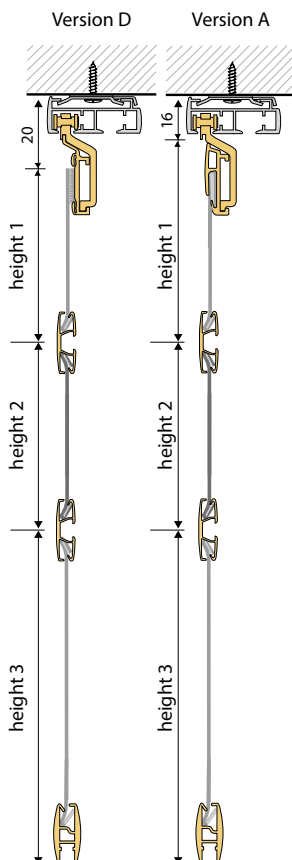
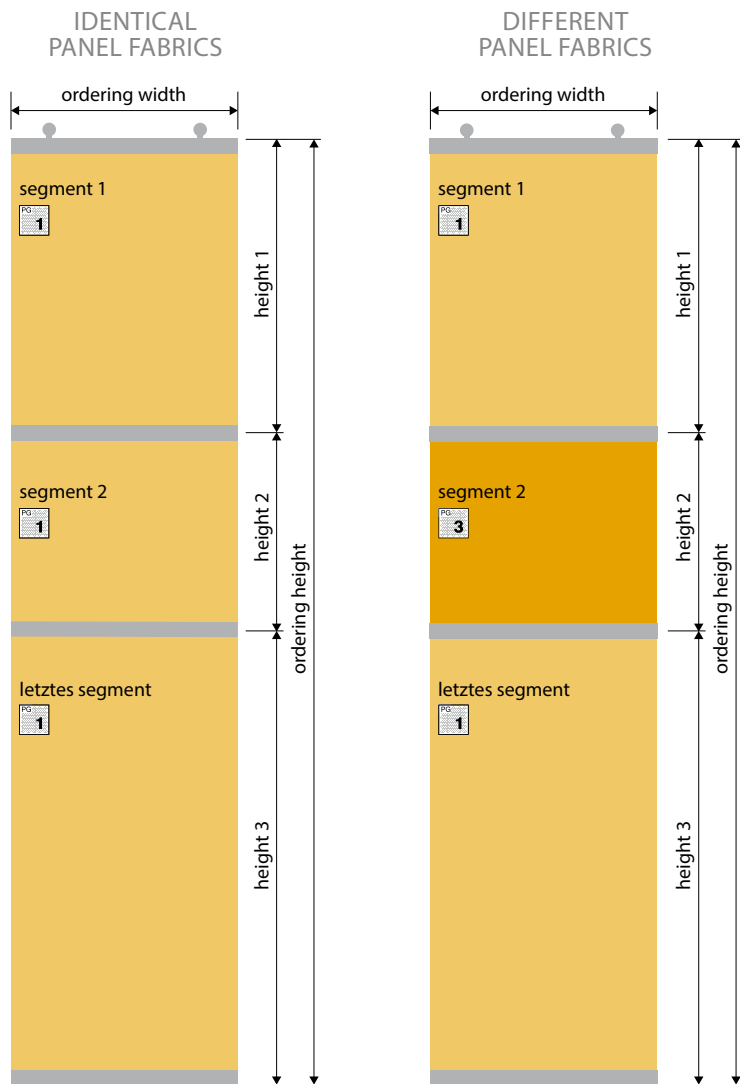
- Design profile (cord edge) matching the central profile

### NUMBER OF SEGMENTS

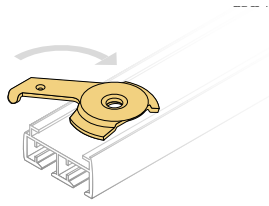
- The following sectioning is recommended:

Height of panel	Number of segments
Up to 100 cm	1 segment
Up to 150 cm	2 segments
Up to 200 cm	3 segments
Up to 250 cm	4 segments
Up to 300 cm	5 segments

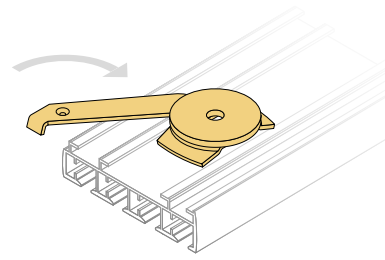
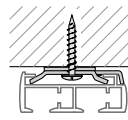
- Please give measures for segments with different heights



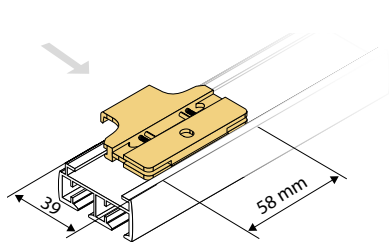
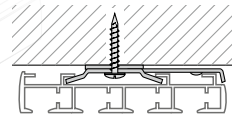
## Mounting examples Basis Plus



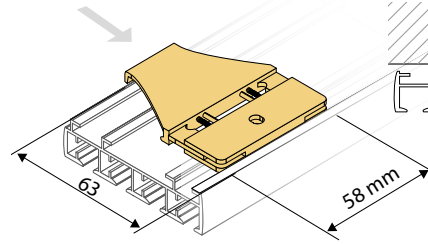
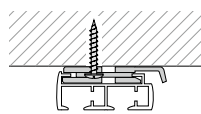
**Ceiling clamping for 2 / 3-track rail**  
min. wall distance: 35 mm



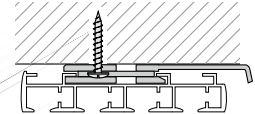
**Ceiling clamping for 4 / 5-track rail**  
min. wall distance: 85 mm



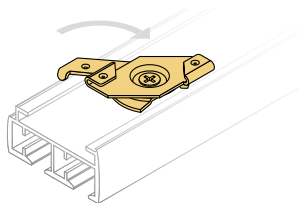
**Ceiling clip for rail 7520 and 7530**



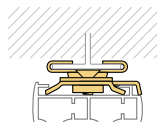
**Ceiling clip for rail 7540 and 7550**



**Assembly instruction: Ceiling clip can be used for rails 7520, 7350, 7540 and 7550 only if the rails are installed to straight concrete or plasterboard ceilings!**



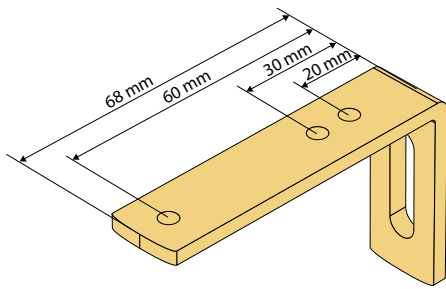
**High-speed assembly clip with ceiling clamping**



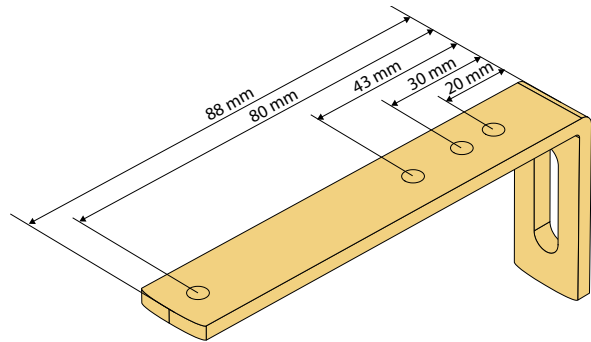
# Basis Plus

Panel blinds

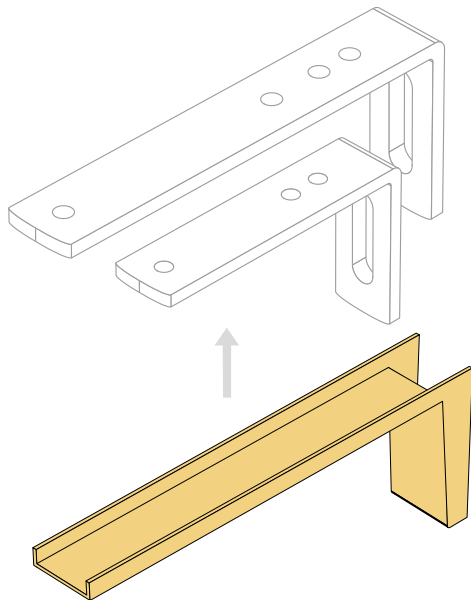
## Mounting examples Basis Plus



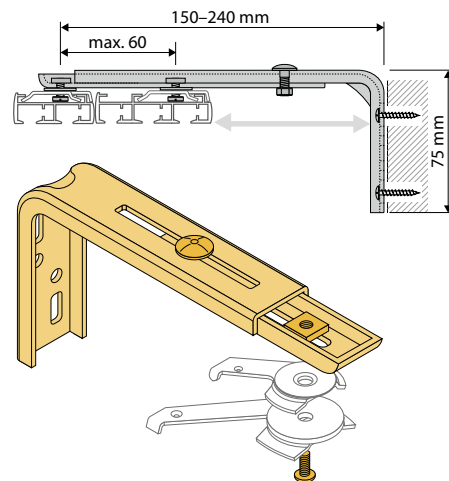
**Wall fixing bracket 70 mm**  
for mounting 2 / 3-track rails, metal: white, silver



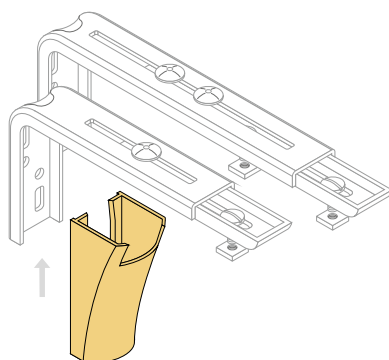
**Wall fixing bracket 90 mm**  
for mounting 4 / 5-track rails, metal: white, silver



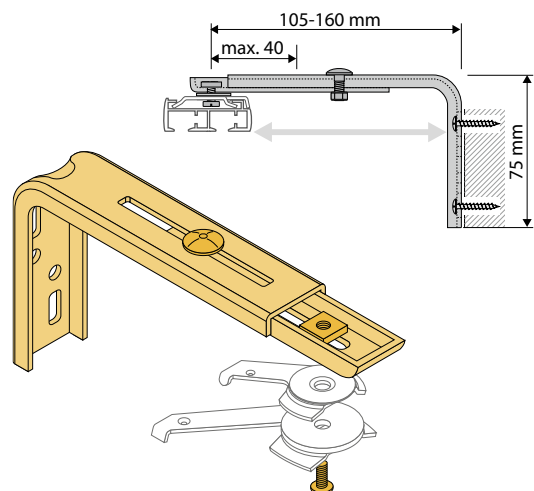
**Cover for wall fixing bracket**  
plastic: white, silver



**Wall fixing bracket**  
adjustable from 150 to 240 mm, metal: white, silver

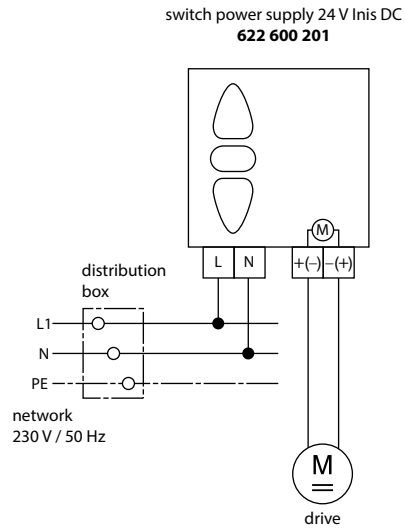
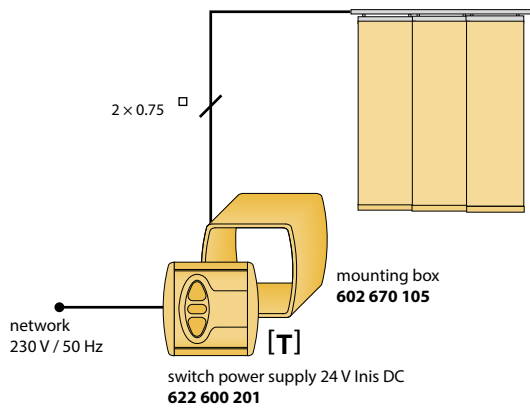


**Cover cap for wall fixing bracket**  
plastic: white, grey

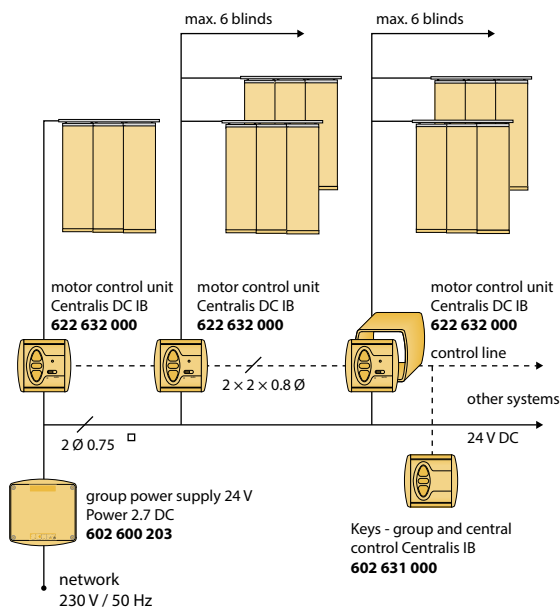


**Wall fixing bracket**  
adjustable from 105 to 160 mm, metal: white, silver

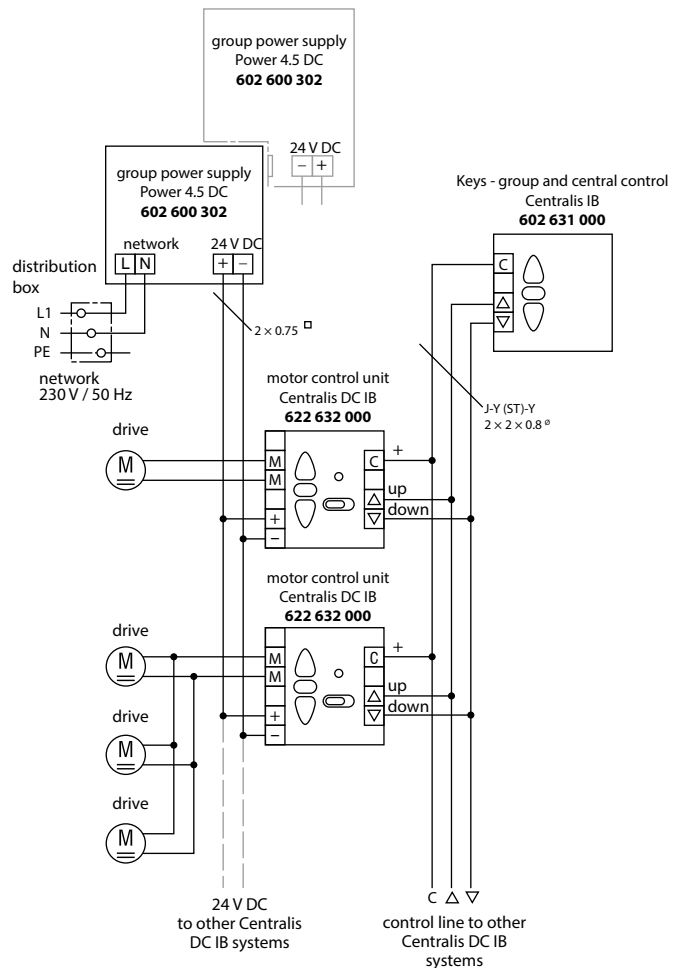
## Single operation



## Group operation



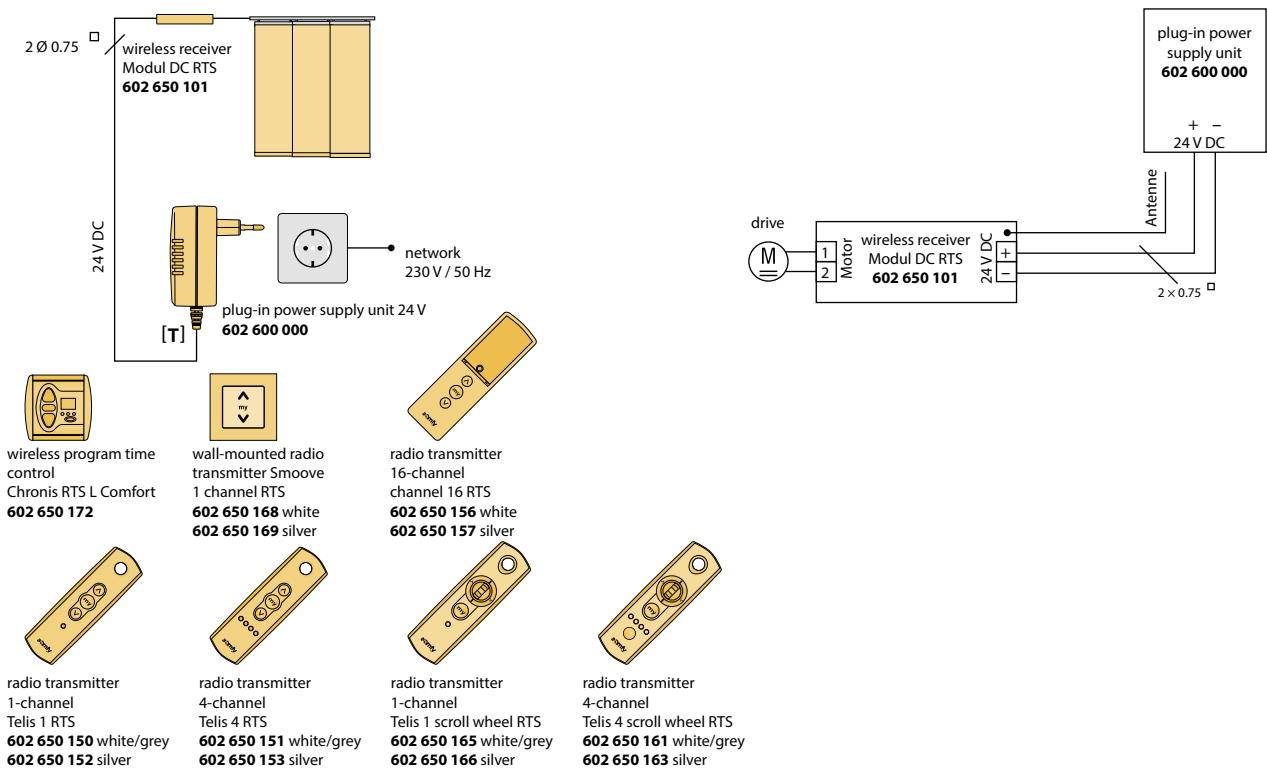
Please note maximum number of drives per power supply unit. If required, use the group power supply Power 4.5 DC.



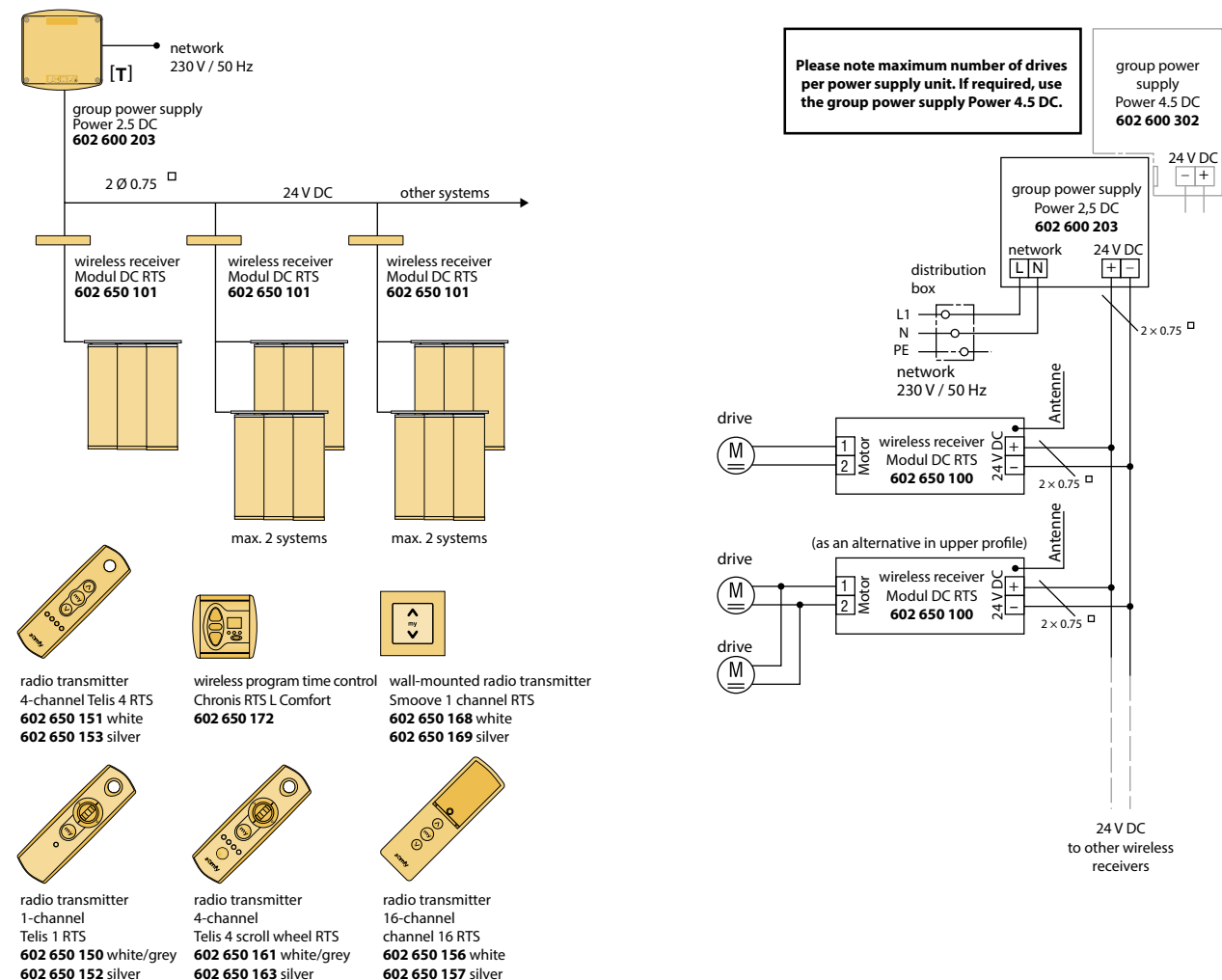
# Circuit diagrams Basis Plus

Panel blinds

## Single remote control



## Group remote control





# Objecta

## Rail

- Extruded aluminium rail profile with 2 and 3 tracks
- Multi-channel installations with 4, 5, 6 tracks are combined with these two profiles
- Installations with 4, 5, 6 tracks with cord operation are delivered premounted
- Available colours: Aluminium anodized to E6/EV1 or white powder-coated (RAL 9016)
- Any other RAL colour available on request
- Bearing length: 6 m
- End caps in white or grey
- Fixation with ceiling clip
- Fixtures and fittings
- Track width 6 mm

## Panel carriage with cord edge profile

- Basic profile made of extruded aluminium
- Cord edge profile made of extruded aluminium (available colours: white powder-coated RAL 9016 or aluminium anodized to E6/EV1)
- Rollers with excellent running properties
- T and L carriers for interconnecting the panels

## Panel carriage with velcro profile

- Basic profile made of extruded aluminium
- Velcro profile made of plastic (colour: white)
- Rollers with excellent running properties
- T and L carriers for interconnecting the panels

## Bottom weights

- Weight profile 3 x 20 mm aluminium (standard)
- Weight profile 6 x 20 mm aluminium (extra charge)
- Profile made of extruded aluminium for weights in piping
- Available colours: silver or white

## RANGE OF SIZES

### Freely slidable

<b>Installation width</b>	590 cm*
<b>Min. panel width</b>	30 cm**
<b>Max. panel width</b>	140 cm**
<b>Max. panel height</b>	380 cm**
<b>Max. panel weight</b>	2.8 kg

\*Bigger installation width possible with connector  
\*\*depending on fabric

## RANGE OF SIZES

### Draw bar

<b>Installation width</b>	590 cm
<b>Min. panel width</b>	30 cm*
<b>Max. panel width</b>	100 cm*
<b>Max. panel height</b>	380 cm*
<b>Max. panel weight</b>	1.5 kg
<b>Max. number of connected panels</b>	3 panels

\* depending on fabric

## RANGE OF SIZES

### Cord operation

<b>Installation width</b>	590 cm
<b>Min. panel width</b>	30 cm*
<b>Max. panel width</b>	140 cm*
<b>Max. panel height</b>	380 cm*
<b>Max. panel weight</b>	2.8 kg
<b>Max. installation weight</b>	12 kg
<b>Max. number of connected panels</b>	5 panels

\* depending on fabric

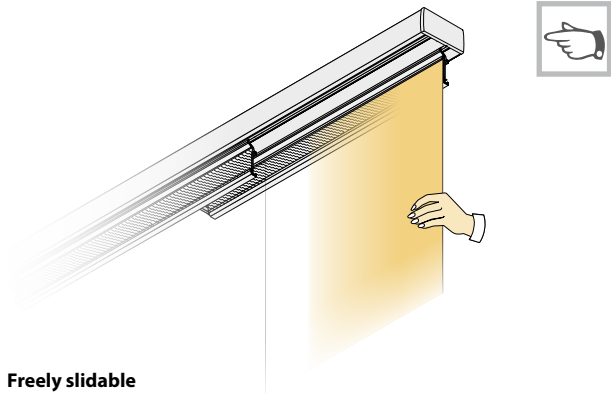


White  
201



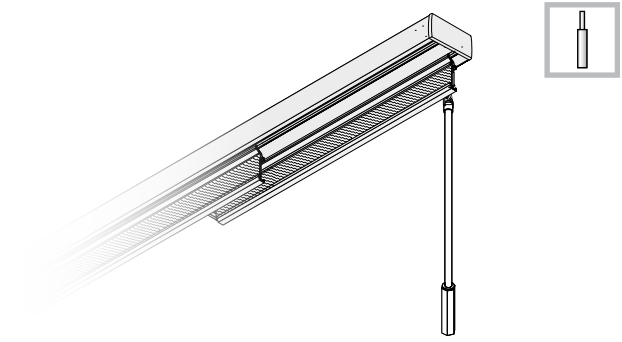
Silver  
241

## Operation variants Objecta



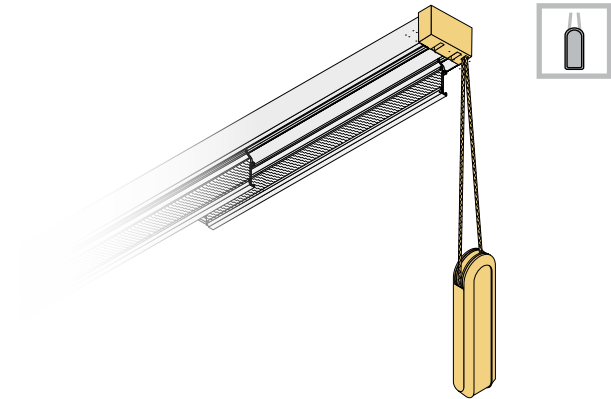
### Freely slidable

- The position of the individual panel carriages can be selected freely
- The panel carriages can be combined with a draw bar



### Draw bar

- The individual panel carriages are interconnected with carriers
- Operation with draw bar
- Premounted

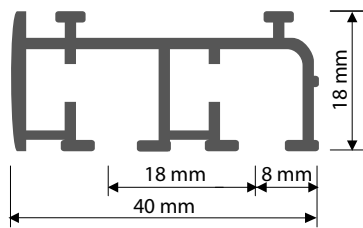


### Cord operation

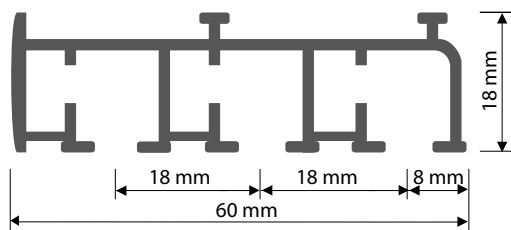
- The individual panel carriages are interconnected with carriers
- Cord operation
- Premounted

## Rail profile Objecta Scale 1:1

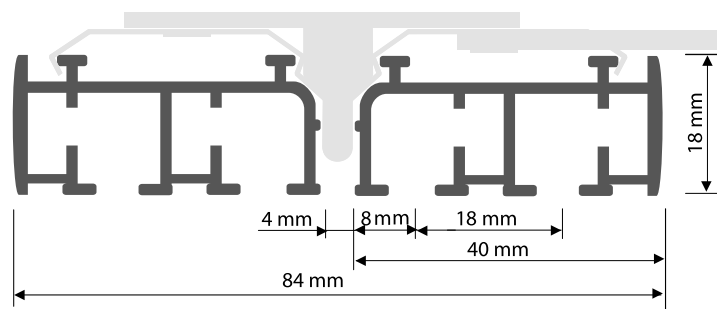
7620



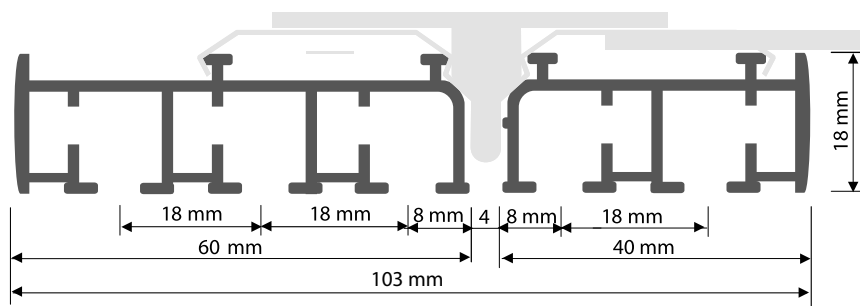
7630



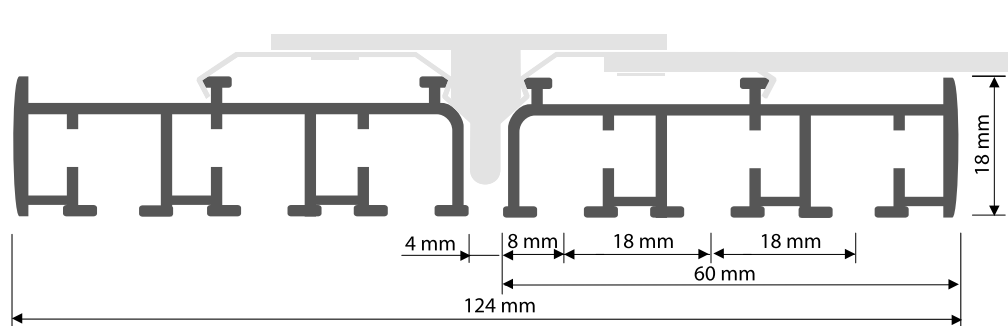
7620 / 7620



7630 / 7620



7630 / 7630



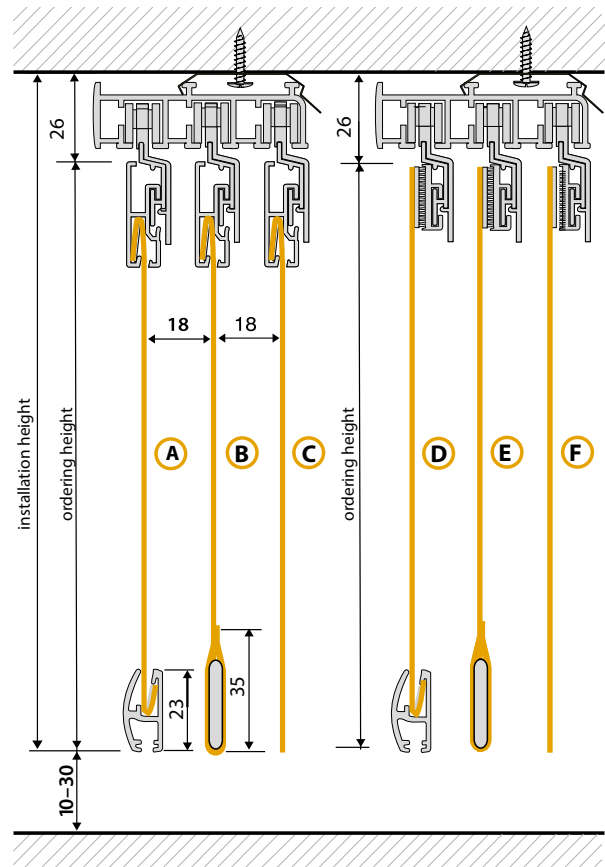
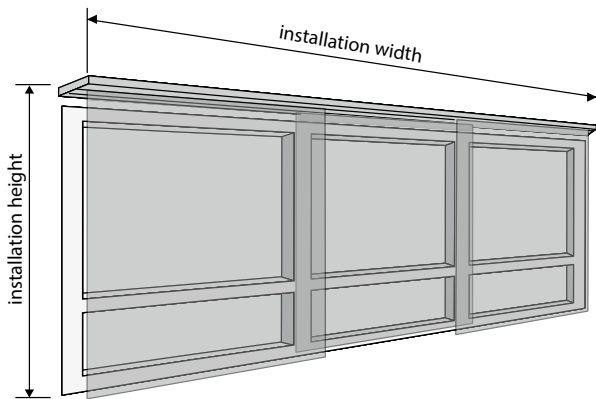
# Objecta

Panel blinds

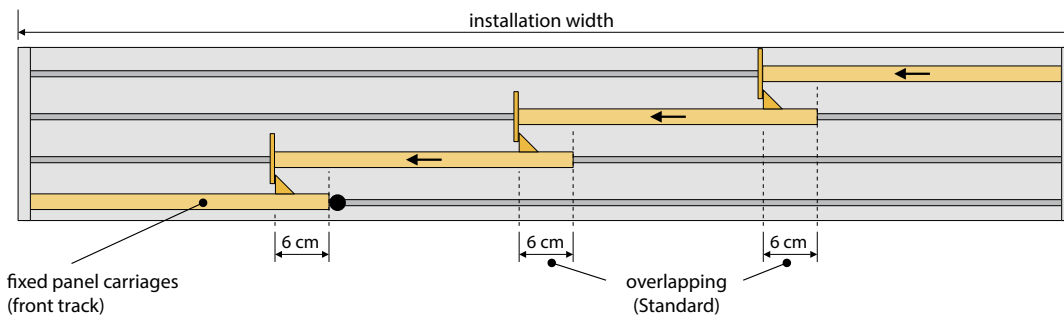
## Site measuring (notes) Objecta

### Determining the installation measures

The width of the rail incl. end caps is the installation width. Please deduct min. 10 mm if you install your panel in a recess.  
The installation height is measured from the upper edge of the mechanism to the lower edge of the panel. We recommend deducting ca. 10 to 30 mm from the height to the bottom.



### PANEL CALCULATION



#### Calculating the panel width

If the number of panels has been selected, you can calculate the panel width as follows:

$$\text{Panel width} = \frac{\text{Installation width} - \text{overlapping}}{\text{Number of panels}} + \text{overlapping}$$

Overlapping standard 6 cm

#### Calculating the number of panels

If the panel width has been selected, you can calculate the number of panels as follows:

$$\text{Number of panels} = \frac{\text{Installation width} - \text{overlapping}}{\text{Panel width} - \text{overlapping}}$$

Overlapping standard 6 cm

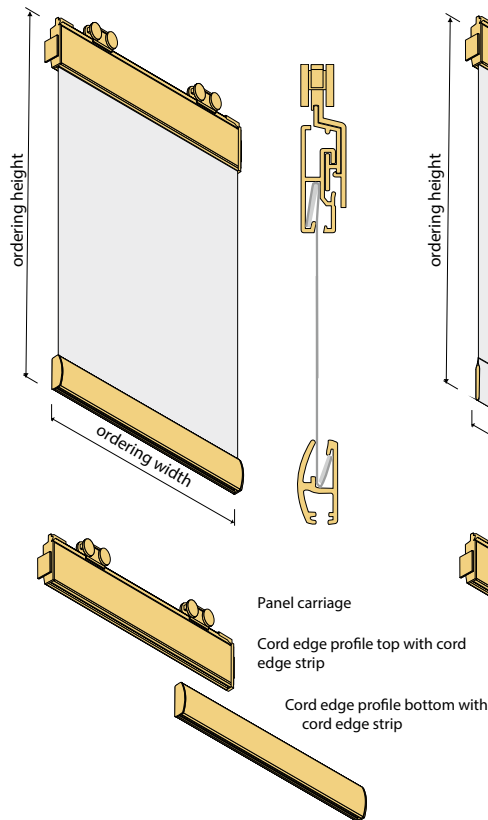


**For installation heights from 2.50 m an 10 cm overlapping is recommended.**

## List of panel carriages Objecta

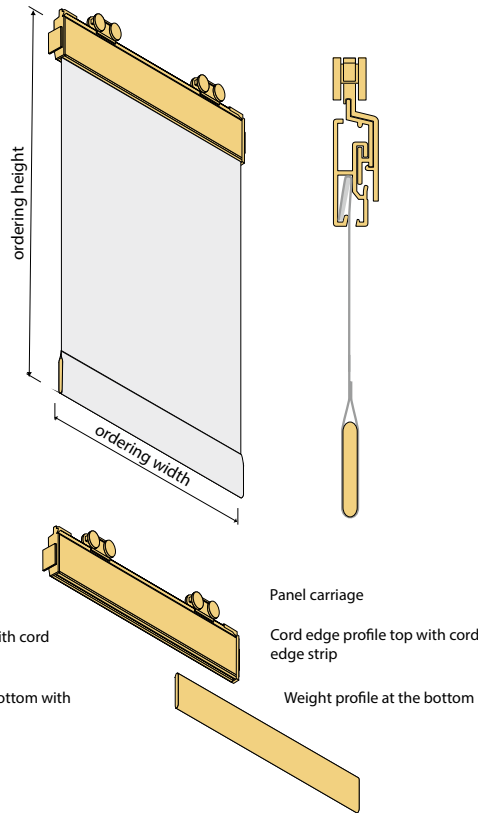
### VERSION A

Panel carriage with cord edge profile at the top and bottom incl. panel carriage, cord edge profile top and bottom with cord edge strip



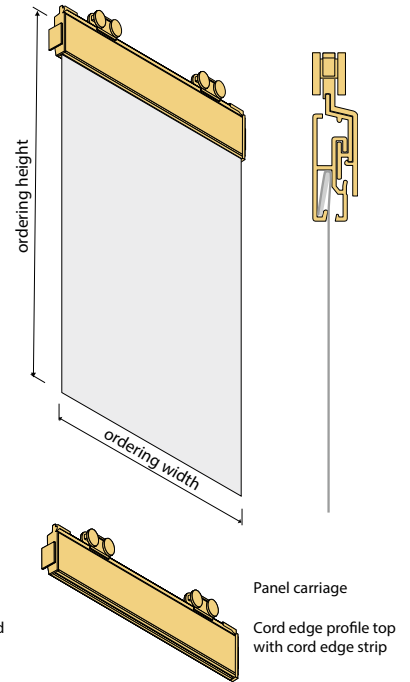
### VERSION B

Panel carriage with cord edge and weight profile incl. panel carriage, cord edge profile top with cord edge strip and weight profile 3 x 20 mm at bottom



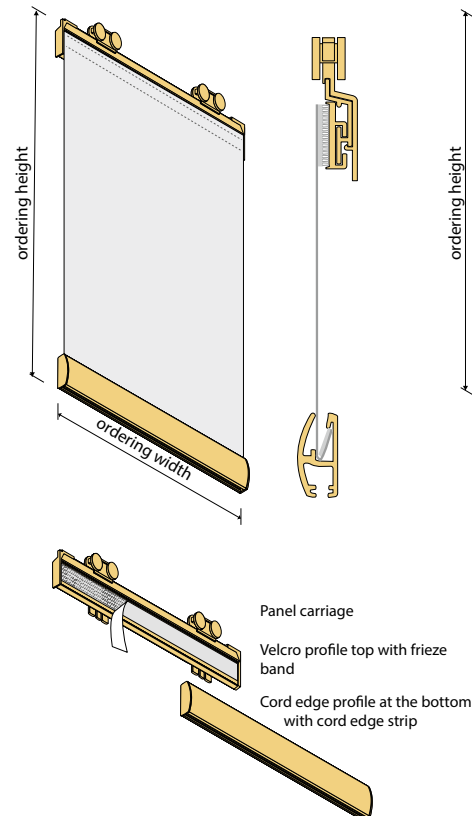
### VERSION C

Panel carriage with cord edge profile incl. panel carriage, cord edge profile top with cord edge strip



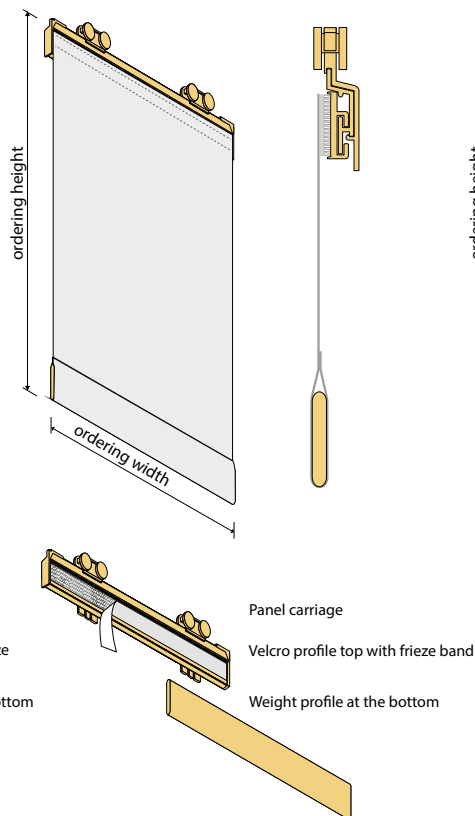
### VERSION D

Panel carriage with velcro and cord edge profile incl. panel carriage, velcro profile top with frieze band, and cord edge profile at the bottom with cord edge strip



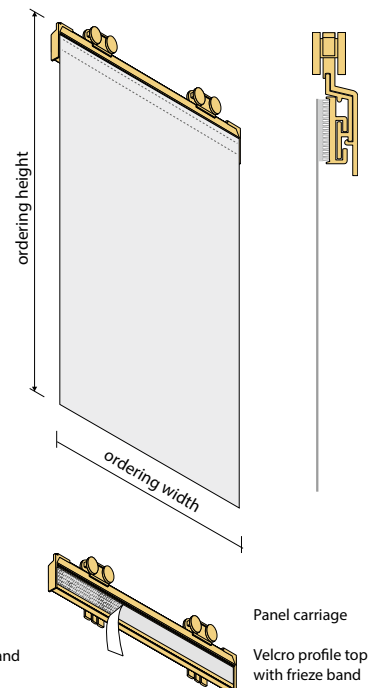
### VERSION E

Panel carriage with velcro profile and weight profile incl. panel carriage, velcro profile top with frieze band, weight profile 3 x 20 mm at the bottom



### VERSION F

Panel carriage with velcro profile incl. panel carriage, velcro profile top with frieze band



# Objecta

## Panel blinds

### Special solutions / curved bay windows

- Please order through individual parts
- Available for ceiling or wall mounting

### General notes

- Please enclose a clear top view sketch with your order
- Dimensional tolerances of +/- 10 mm can occur
- Wall distances are measured from the wall to the rear edge of the rail
- Complex curves must be delivered to the factory as a template (1:1)

Curved panel blind systems are made-to-measure systems that are manufactured individually according to your specifications. Therefore, they cannot be exchanged or returned. Please make sure that you take exact measures.

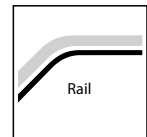


**Please note that due to technical reasons the panels can only be shifted through the curve one after the other (starting from outside). Inaccurate overlapping could occur.**

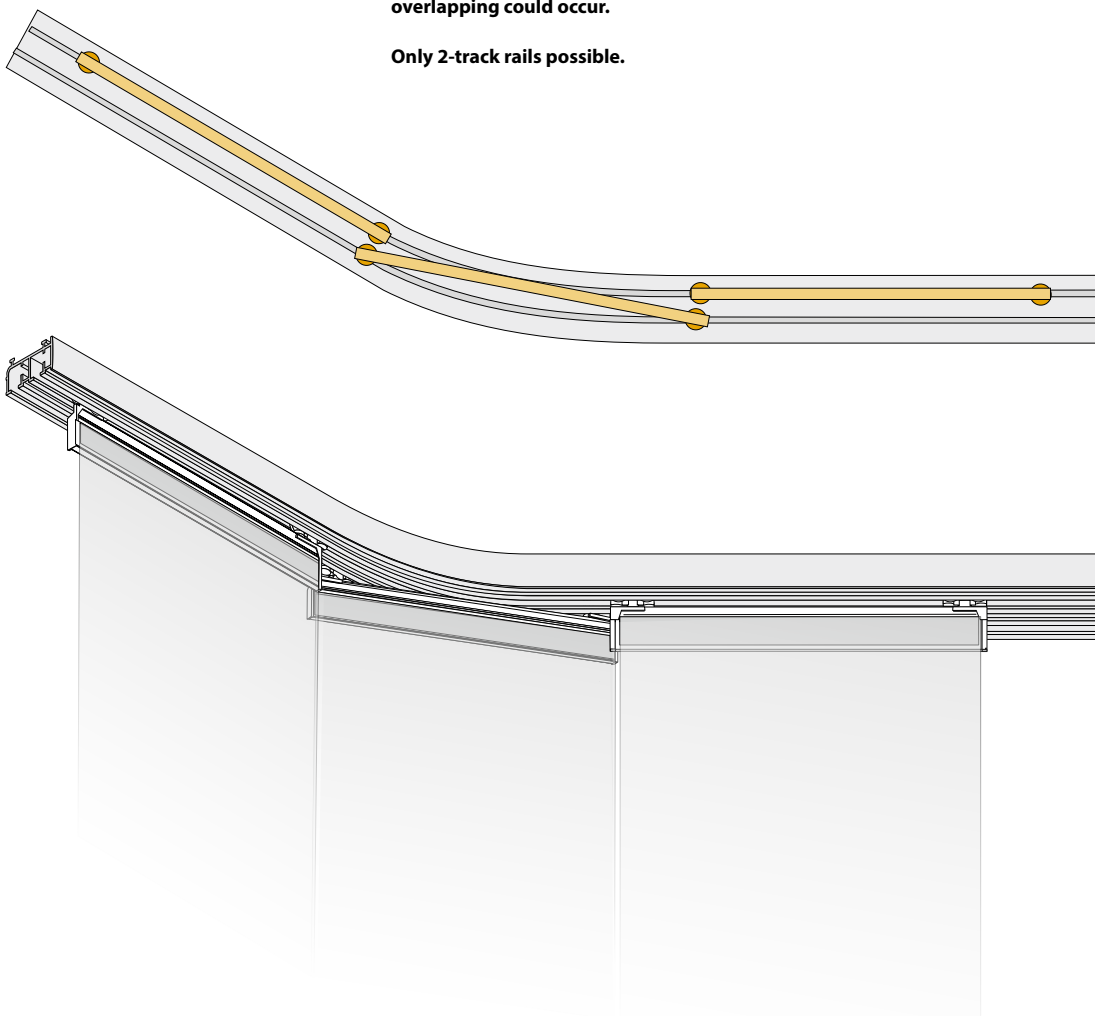
**Only 2-track rails possible.**

Curve

Radius 600 mm



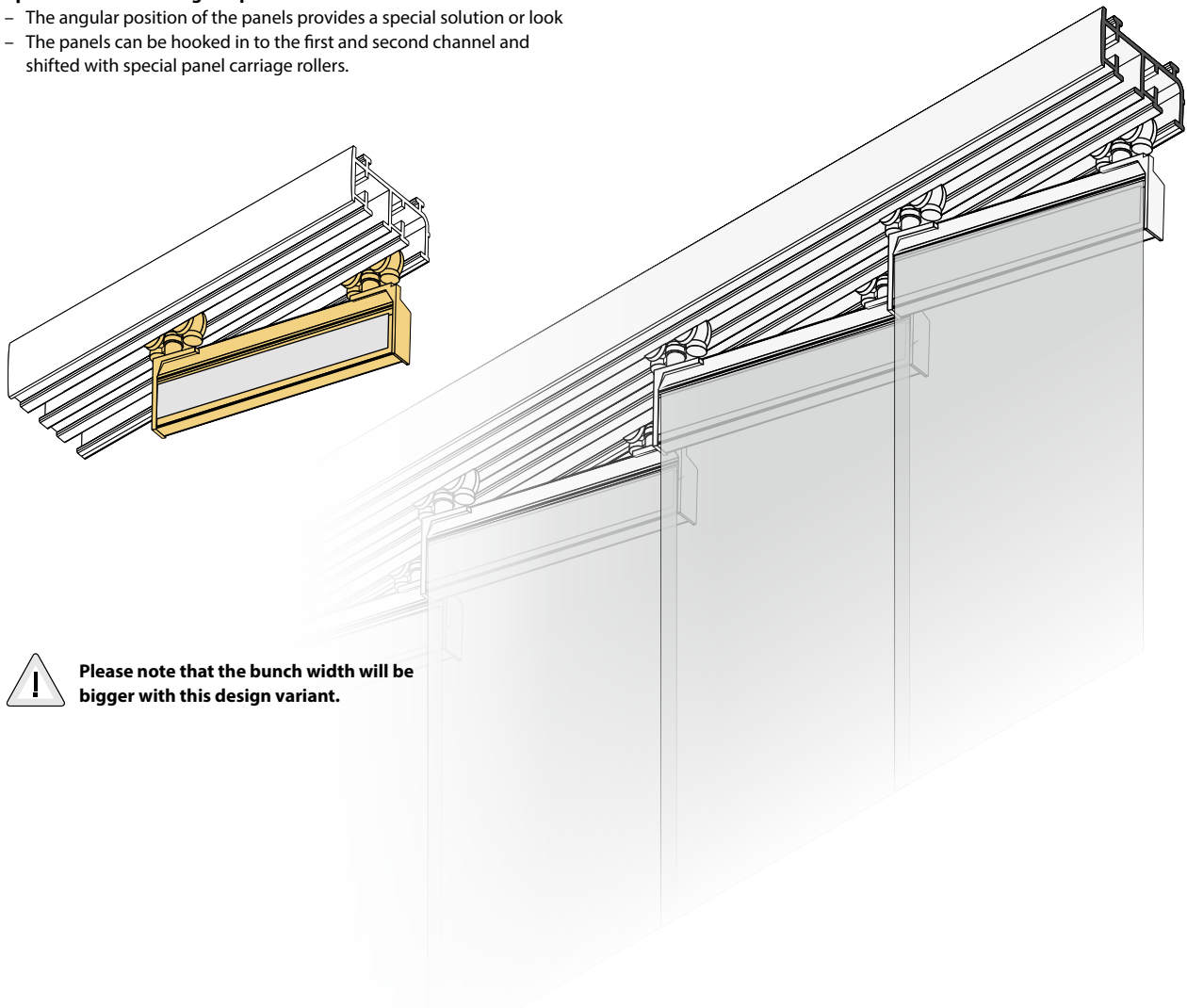
Price upon request



EXAMPLES OF USE

**Special solutions / angular position**

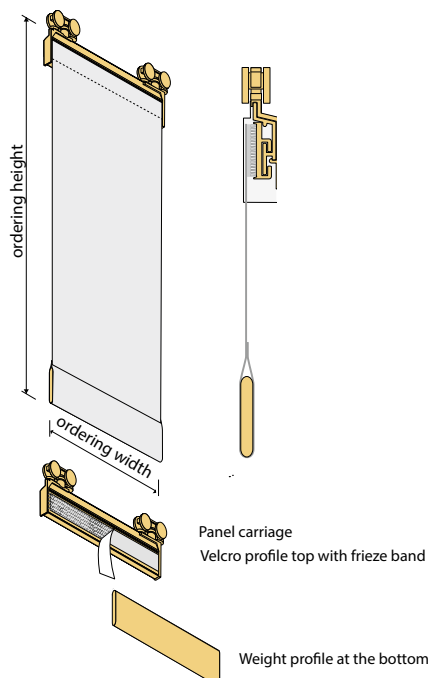
- The angular position of the panels provides a special solution or look
- The panels can be hooked in to the first and second channel and shifted with special panel carriage rollers.



**Please note that the bunch width will be bigger with this design variant.**

VERSION G

**Panel carriage with velcro profile and weight profile**  
incl. panel carriage with rotatable rollers, velcro profile top with frieze band with frieze band, weight profile 3 x 20 mm at the bottom



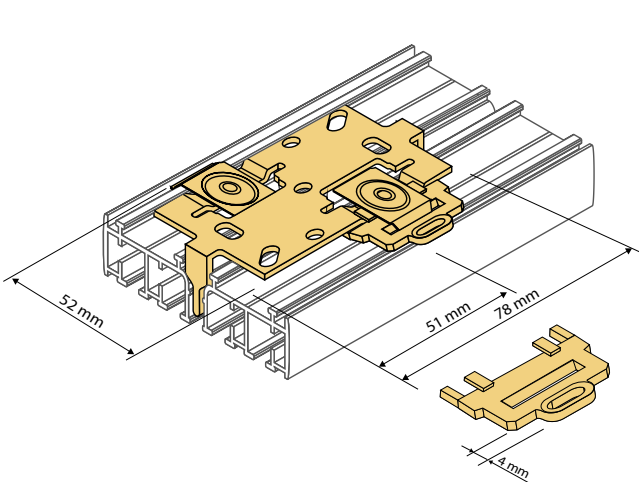
## Mounting examples Objecta



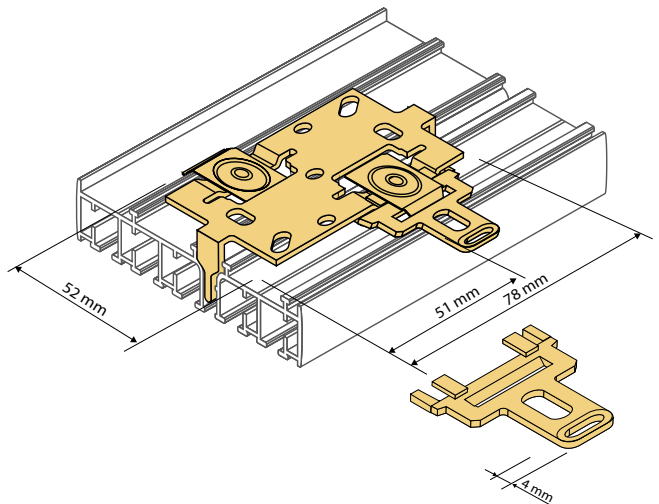
**Cropped fixing clip with oval hole** for 2 / 3-track rail



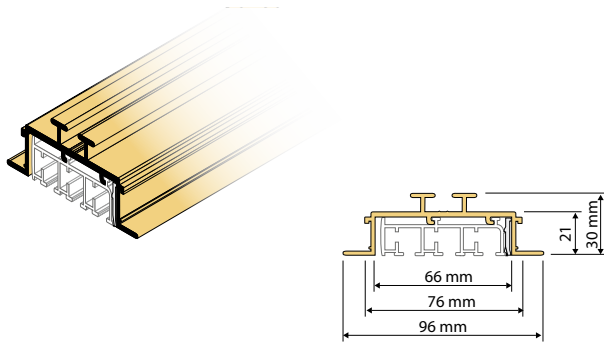
**Quick assembly clip with cropped fixing clip** for T profile 24–26 mm, only for rails 7620 and 7630



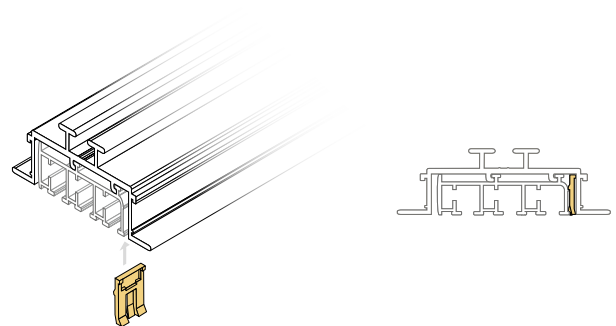
**Double ceiling fixing bracket** for 4 / 5-track rail incl. release plate



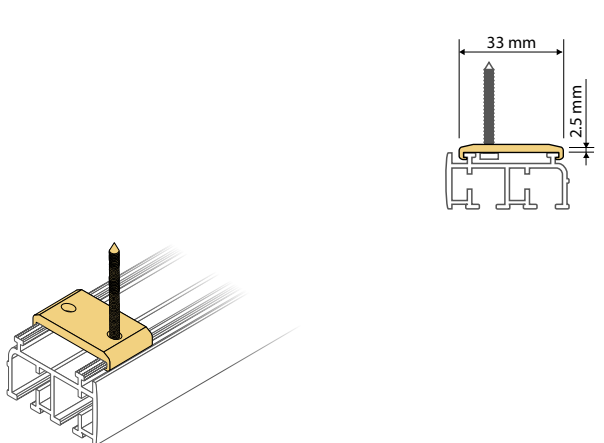
**Double ceiling fixing bracket** for 6-track rail incl. release plate



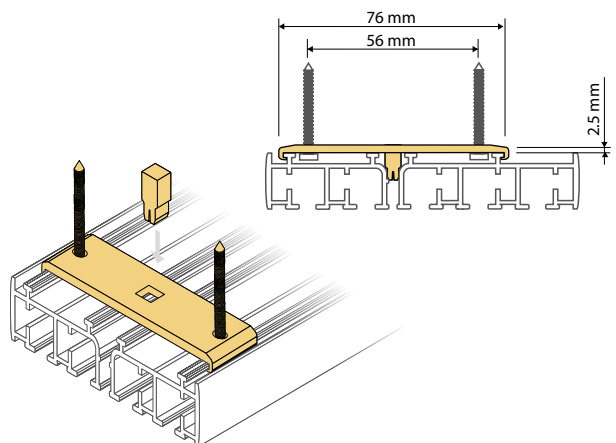
**Installation profile** for 2 / 3-track rail



**Clamping fixture** for installation profile

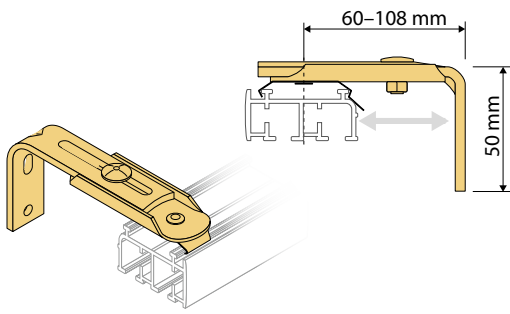


**Profile bracket for 2 / 3-track rail**  
For direct mounting to ceiling

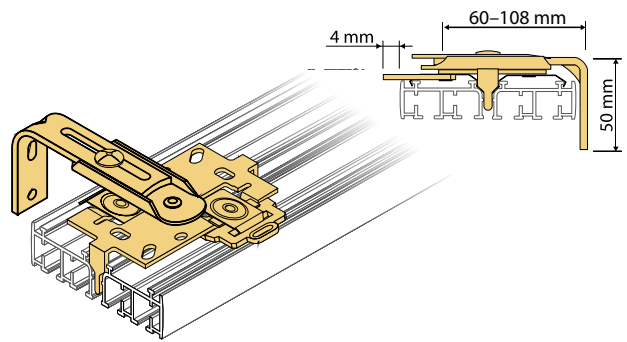


**Profile bracket for 4 to 6-track rail**  
For direct mounting to ceiling or connecting the individual profiles

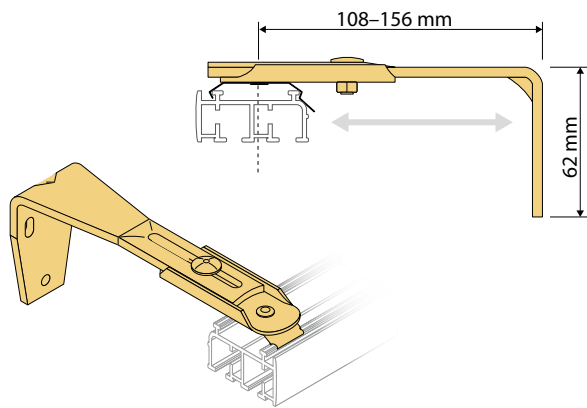




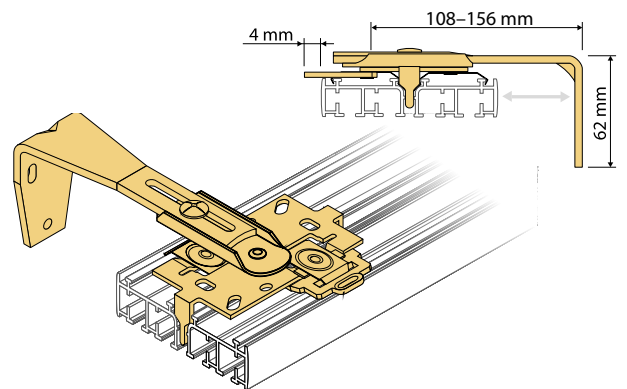
Wall fixing bracket 60-108 for 2 / 3-track rails, metal: white, silver



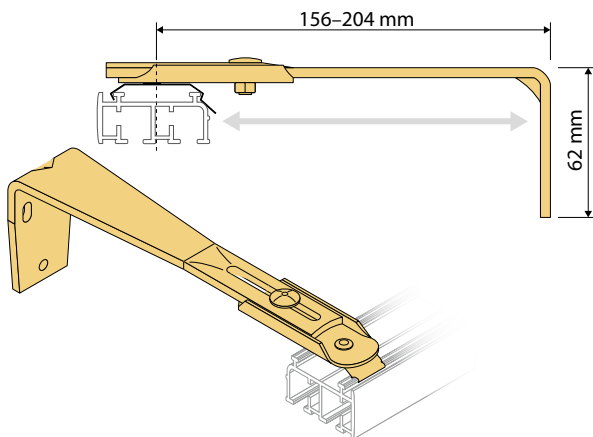
Wall fixing bracket 60-108 for 4 / 5-track and 6-track rails, metal: white, silver



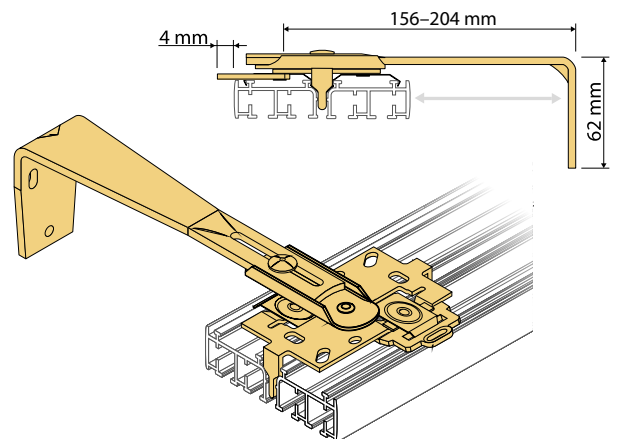
Wall fixing bracket 108-156 for 2 / 3-track rails, metal: white, silver



Wall fixing bracket 108-156 for 4 / 5-track and 6-track rails, metal: white, silver



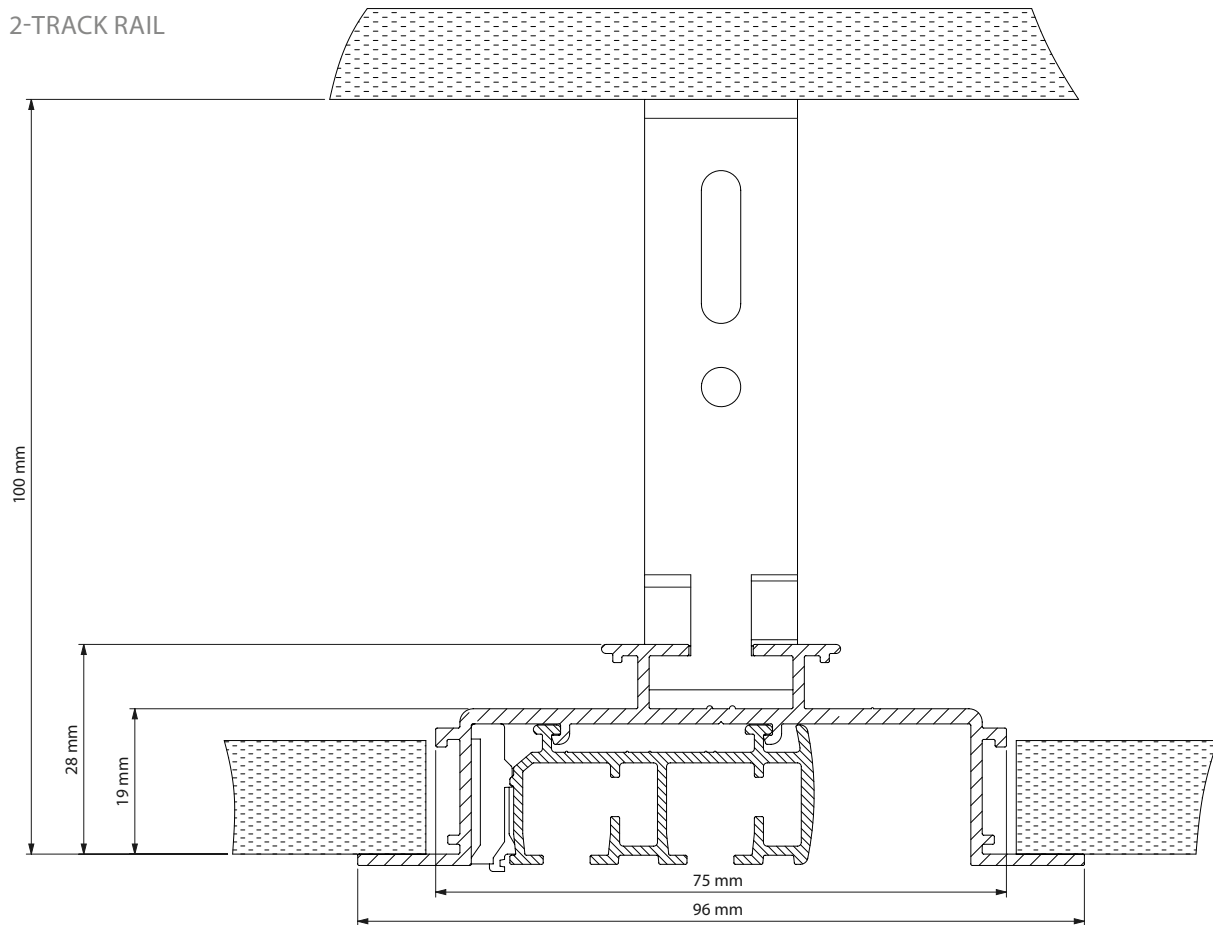
Wall fixing bracket 156-204 for 2 / 3-track rails, metal: white, silver



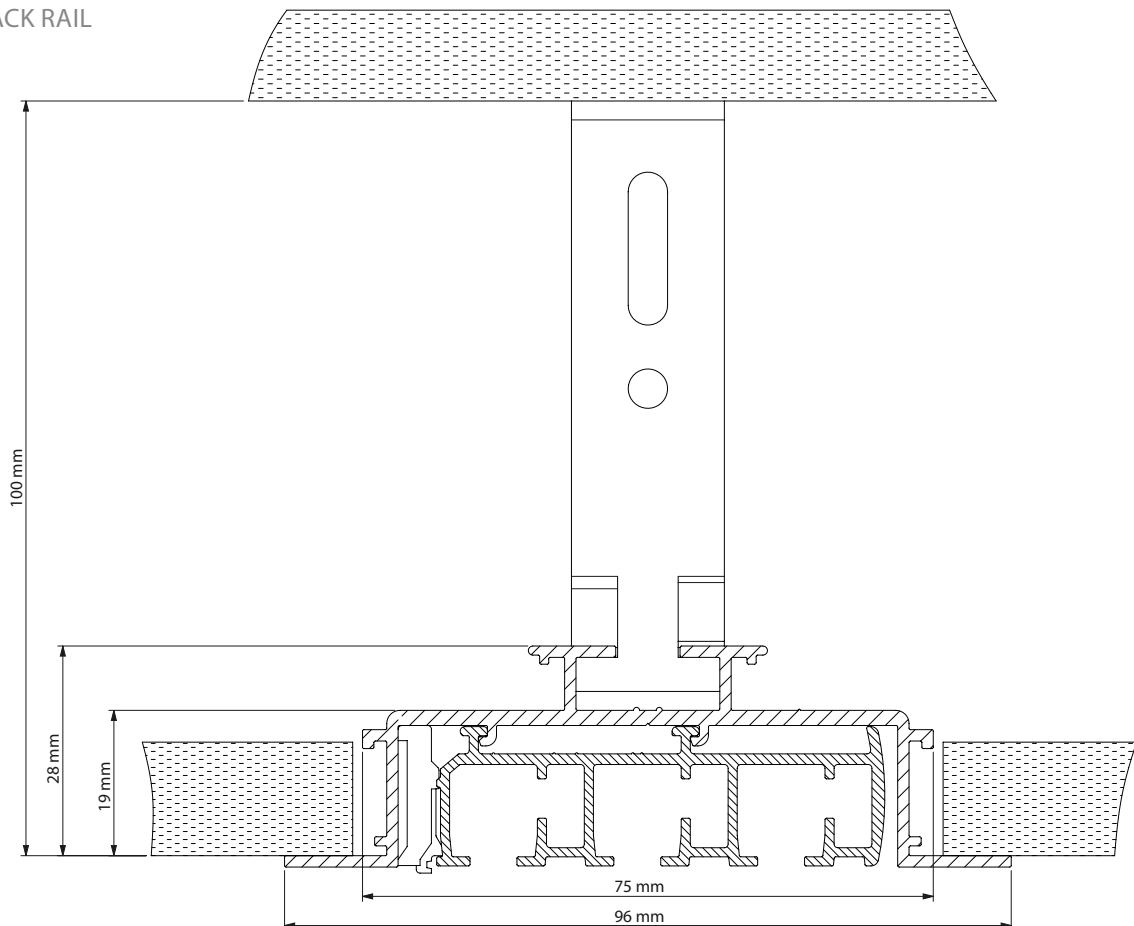
Wall fixing bracket 156-204 for 4 / 5-track and 6-track rails, metal: white, silver

# Objecta with installation profile Scale 1:1

2-TRACK RAIL



3-TRACK RAIL



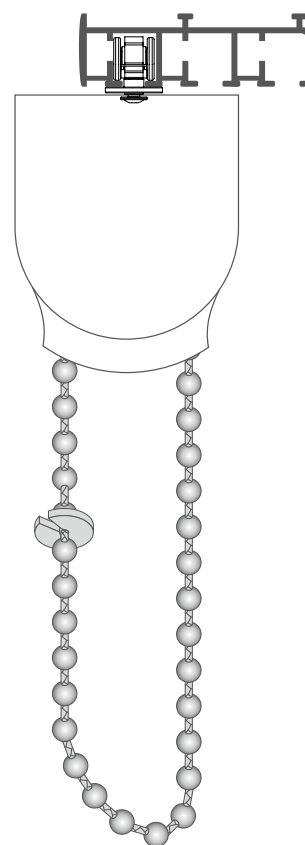
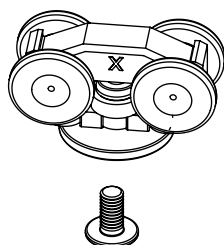
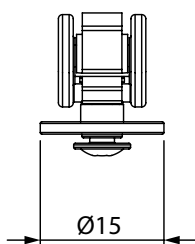
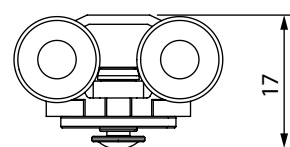
## Special carriage for Objecta

- New innovative carriage
- Specifically developed for the erfal panel blind system Objecta
- Panel blind technology combined with sun protection
- Horizontal and vertical operation at the same time
- New design options
- Improved ease of use
- Fixation clip with metric internal thread for many applications
- Clip of sun protection product to be simply screwed to the carriage
- The sun protection product must have a robust profile for mounting

The number of carriages depends on the recommended clips that are included in the standard scope of delivery. We recommend assembly of 2 special carriages on the operating side of the respective product. (Max. load per carriage = 1.4 kg)

The special carriage is suitable for the following products:

- Midi roller blind bracket profile / round and square cassette
- Roman blind mechanism Makom
- Venetian blind Basic Line 16/25 chain (please note that you should mount 2 special carriages per venetian blind fixing bracket )
- Pleated blind free-hanging with chain FK



**Please note that you cannot use all tracks of the panel blind rail when you mount a sun protection product. If you wish to install several systems beside each other, additional rails may have to be installed.**



## Makom

### PRODUCT DESCRIPTION

The made-to-measure Roman blind mechanism "Makom" is suitable for blinds with a maximum weight of 3.5 or 4.5 kg. Optimum ease of operation is reached with a side chain gear with ball chain and swivelling chain guidance (that can alternatively be exchanged by motor operation combined with push-button switch, remote control, sun sensor, etc.). The individual cord reels are driven via a precision shaft and they are provided with a cord clip. This allows a particularly easy removal and cleaning of the blind fabric together with the lifting cords.

The panels are not part of the scope of delivery.

#### Max. technical specifications

- Width: 4.5 m (single system)  
6.0 m (coupled systems)
- Height: 3.5 m
- Panel weight:  
4.5 kg (chain operation)  
3.5 kg (motor operation)

#### Standard components

- Powder-coated aluminium bracket profile (white) with velcro profile
- Frieze band
- Side chain gear with swivelling chain guidance (white)
- Endless operation chain plastic with chain stop (white)
- Cover caps (white)
- Cord reels with 2.50 m cord (Ø 0.8 mm) white
- Cord stopper variable
- Powder-coated aluminium precision shaft (white)
- Plastic-coated metal weight bar (Ø 10 mm, white) with end caps
- Cropped fixing clips with oval hole (silver) for ceiling fixation
- Fixtures and fittings

#### Available colours (bracket profile, cover caps, operation chain)

- White
- Silver-grey
- Black

#### Operation variants

- Chain operation
- Motor operation (24 V):
  - particularly easy operation even with windows that are difficult to access
  - extremely low-noise operation
  - motor either right or left, not visible from outside, integrated in the roller blind shaft
  - extra-low voltage installation from power supply unit
  - automatic overload cut-off
  - motor with limit switches for fast setting of the upper and lower limit positions
  - push-button operation or radio remote control possible
  - other control modules (timer, sun sensor, key-operated switch) possible
  - detailed information about group and central controls upon request

#### Fixation variants

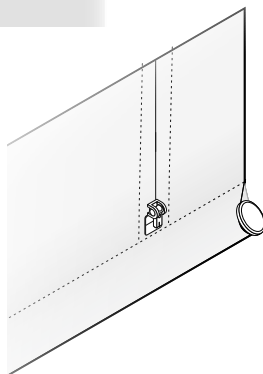
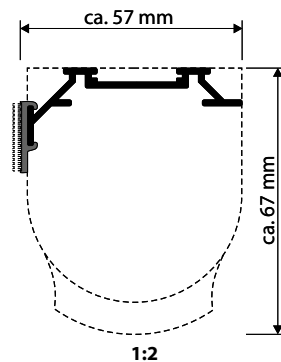
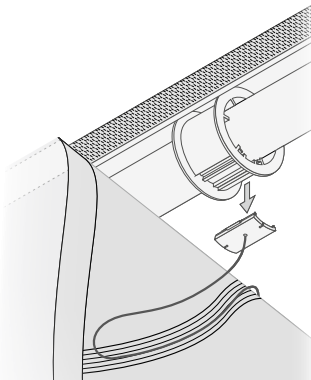
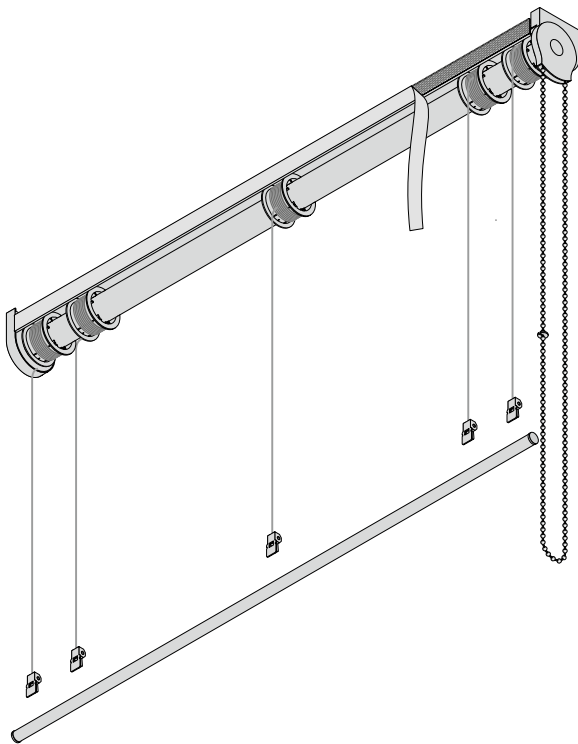
- Ceiling fixation
- Wall fixation
- Clamping directly on window sash
- Quick installation at suspended ceilings

#### Lifting cord distances

- Setting can be changed as required

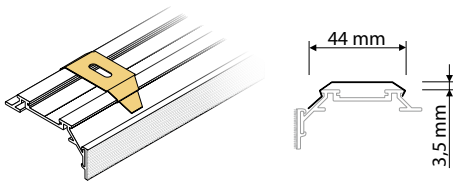
#### Bottom weight variants

- Plastic-coated metal tube (Ø 10 mm, white) with end caps
- Aluminium profile 3 × 20 mm or 6 × 20 mm (white, silver)

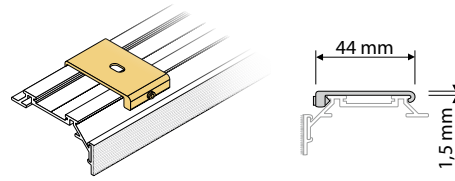


## Mounting examples Roman blind mechanism Makom

### Ceiling fixation

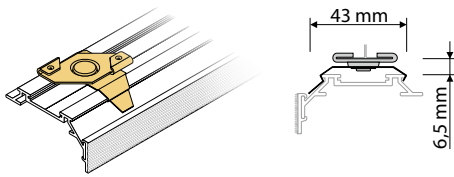


Cropped fixing clip with oval hole



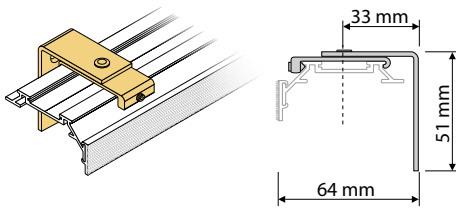
Bracket with headless screw

### Quick installation

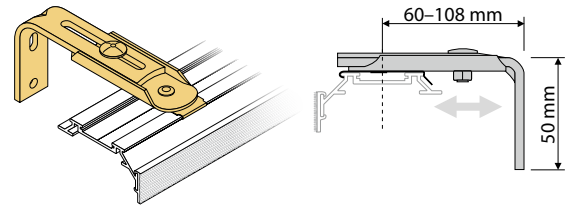


Quick installation with cropped fixing clip

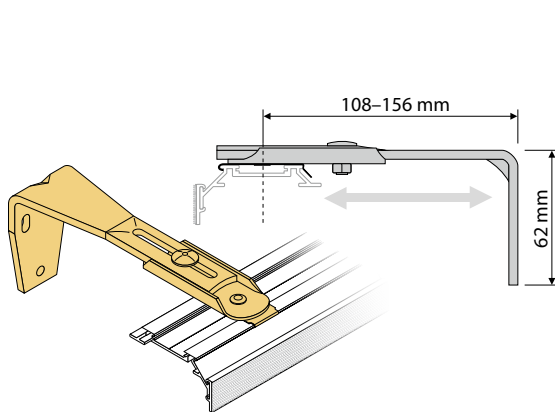
### Wall fixation with bracket



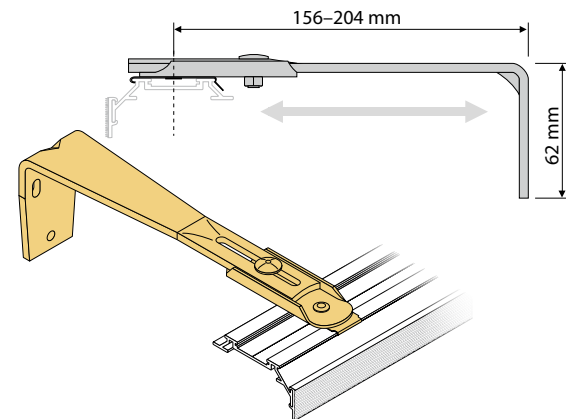
Wall fixing bracket 33 mm (wall or recess fixation)



Wall fixing bracket with 60-108 mm range of adjustment

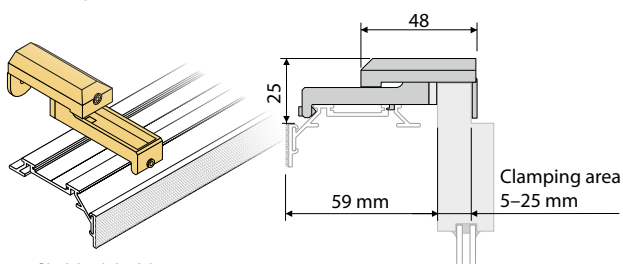


Wall fixing bracket with 108-156 mm range of adjustment



Wall fixing bracket with 156-204 mm range of adjustment

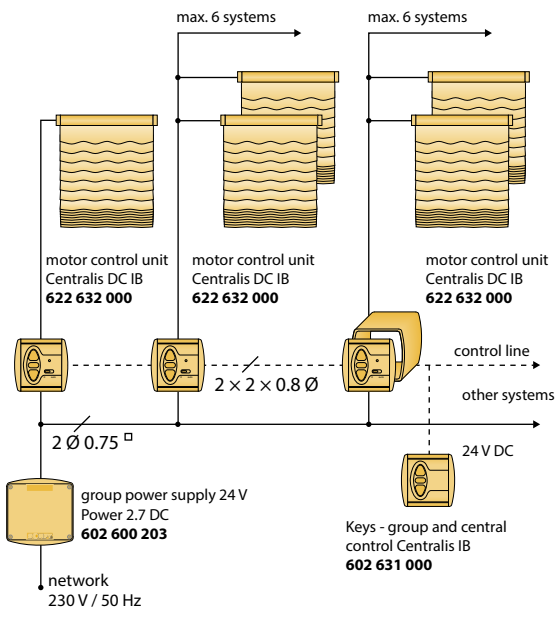
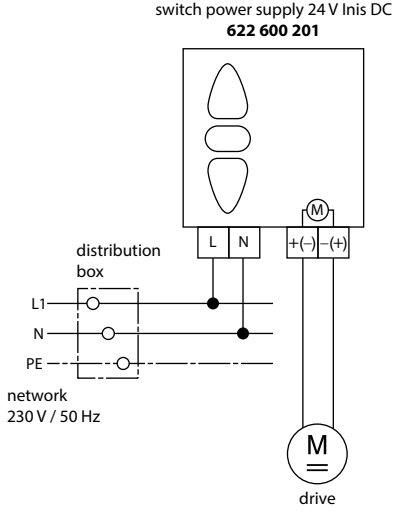
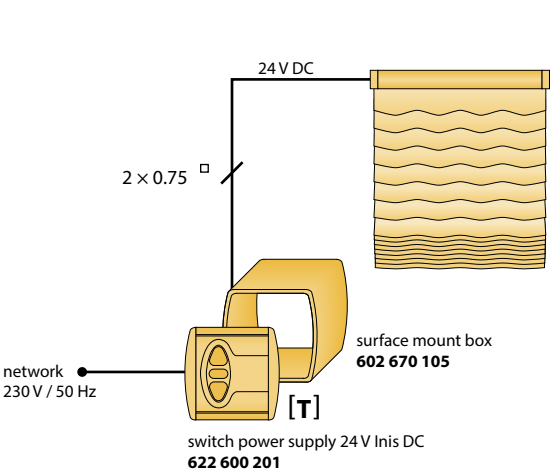
### Clamping



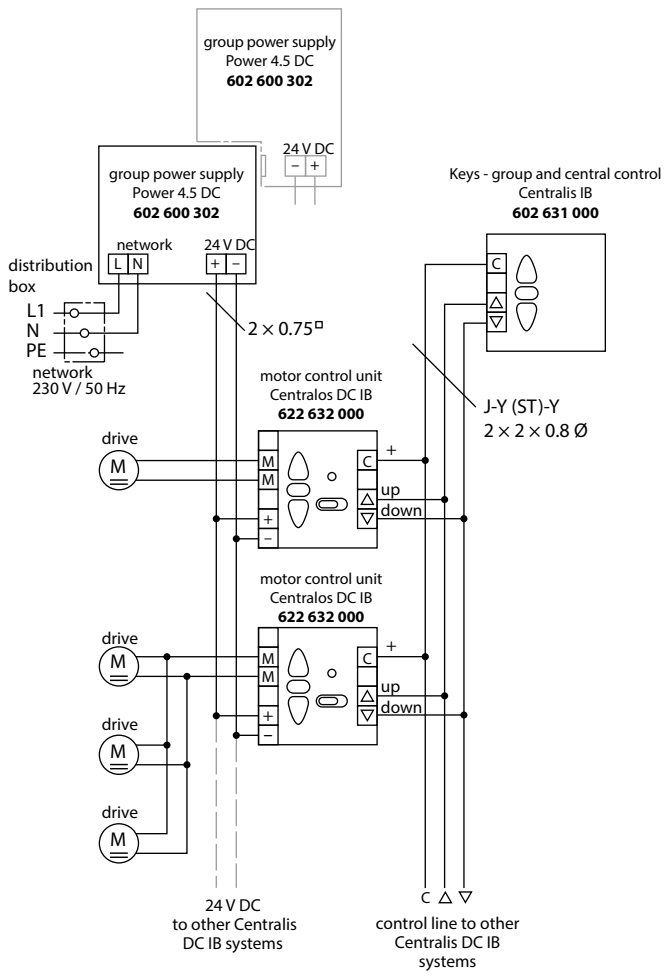
Profile block holder



# Circuit diagrams Roman blind mechanism Makom



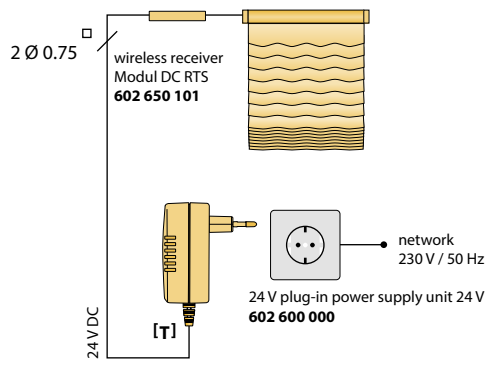
Please note maximum number of drives per power supply unit. If required, use the group power supply Power 4.5 DC.



# Circuit diagrams Makom

Roman blind mechanisms

## Circuit diagrams Roman blind mechanisms



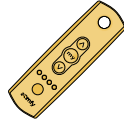
wall-mounted radio transmitter  
1-channel Centralis RTS  
**602 650 170**



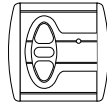
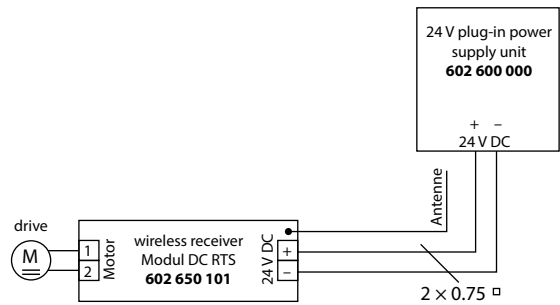
wireless program time control  
Chronis RTS L Comfort  
**602 650 172**



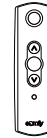
radio transmitter 1-channel  
Telis 1 RTS  
**602 650 150** white  
**602 650 152** silver



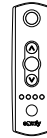
radio transmitter 4-channel  
Telis 4 RTS  
**602 650 151** white  
**602 650 153** silver



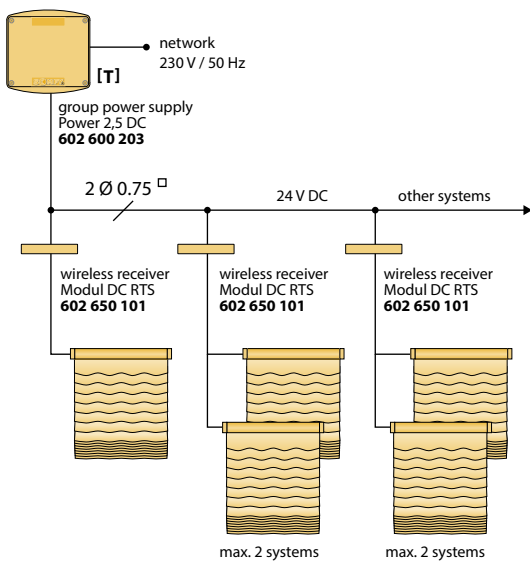
radio transmitter  
1-channel Centralis RTS  
**602 650 170**



radio transmitter 1-channel  
Telis 1 RTS  
**602 650 150** white  
**602 650 152** silver



radio transmitter 4-channel  
Telis 4 RTS  
**602 650 151** white  
**602 650 153** silver



radio transmitter  
4-channel Telis 4 RTS  
**602 650 151** white  
**602 650 153** silver

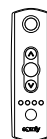
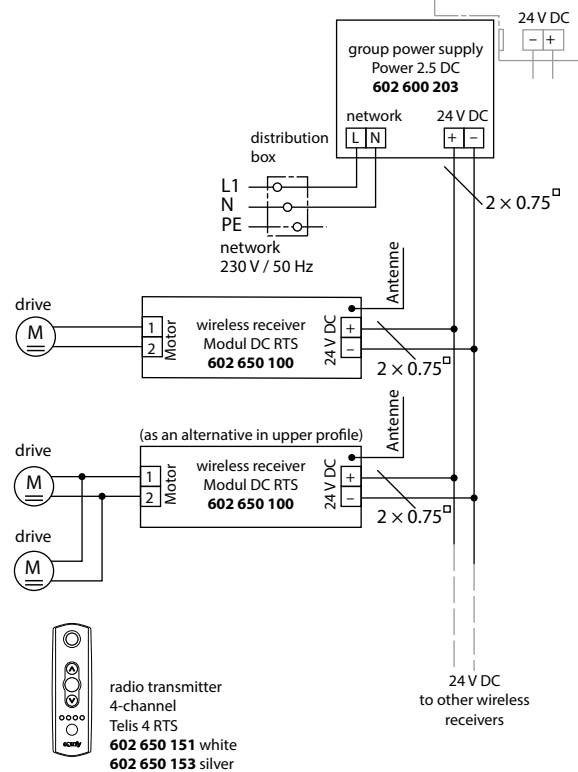


wall-mounted radio transmitter  
1-channel Centralis RTS  
**602 650 170**



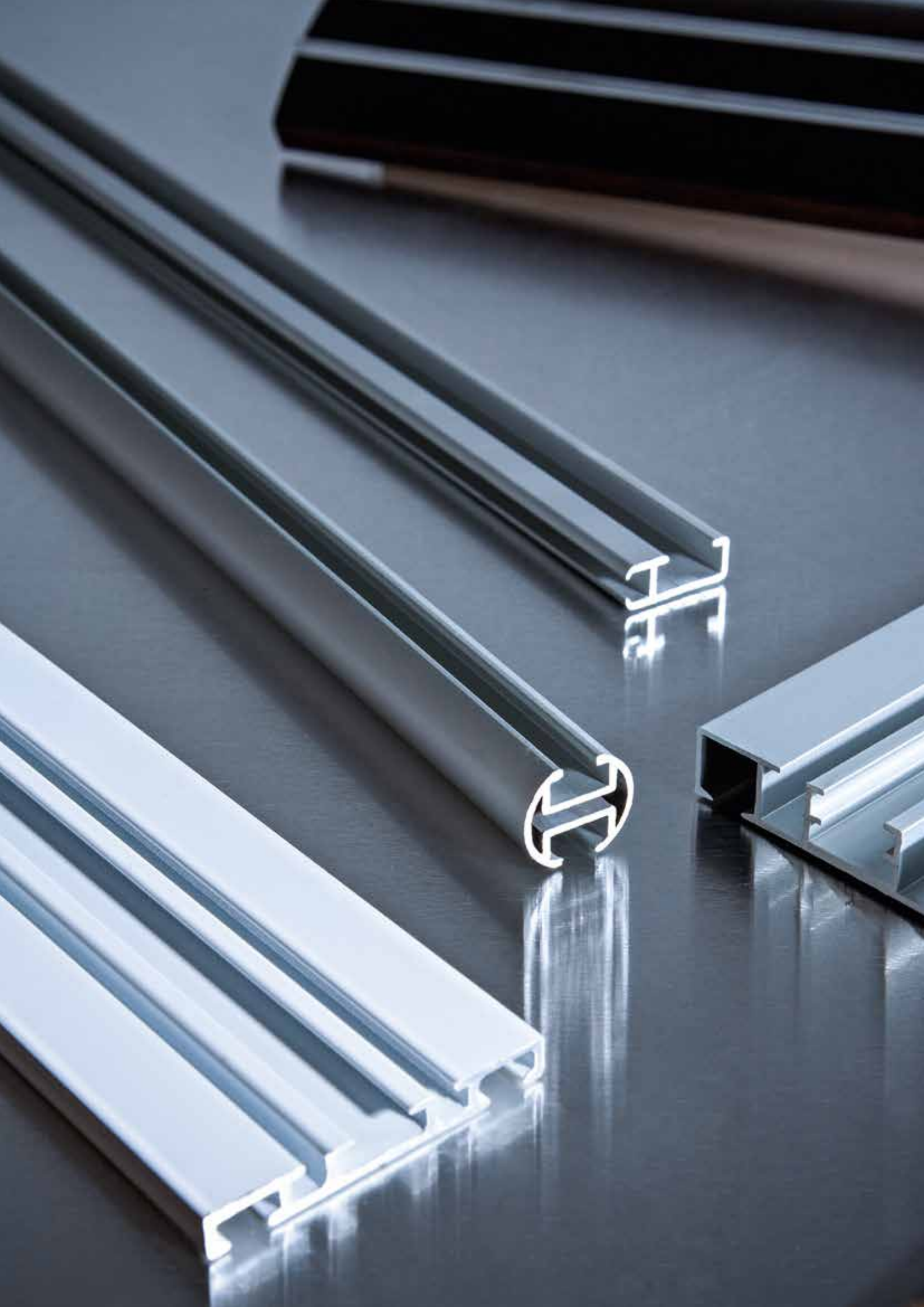
Funk-Programmschaltuhr  
Chronis RTS L Comfort  
**602 650 172**

**Please note maximum number of drives per power supply unit. If required, use the group power supply Power 4.5 DC. 602 600 302**



radio transmitter  
4-channel  
Telis 4 RTS  
**602 650 151** white  
**602 650 153** silver



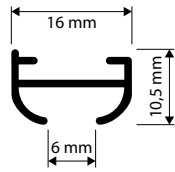


# List of profiles

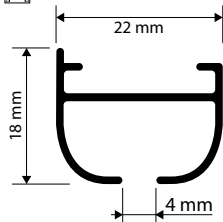
Aluminium rails

## Hand-operated rails

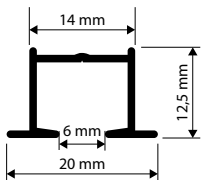
### SYSTEM 3600



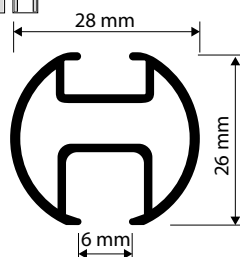
### SYSTEM 3700



### SYSTEM 4850

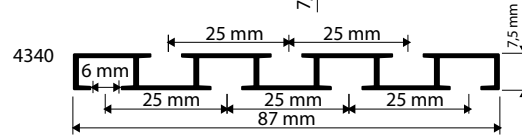
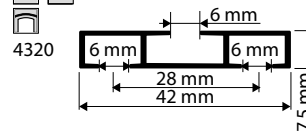


### SYSTEM 5100

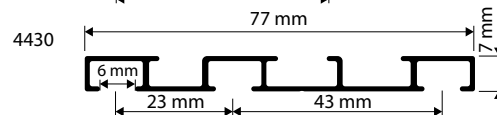
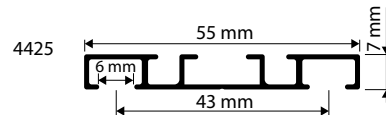
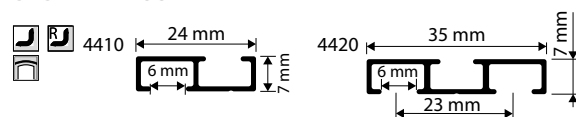


## Object-hanging rails

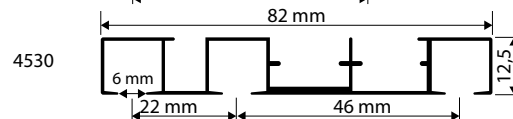
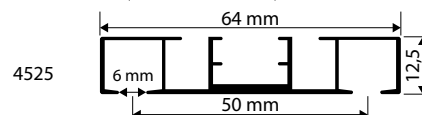
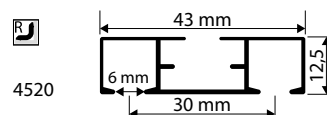
### SYSTEM 4300



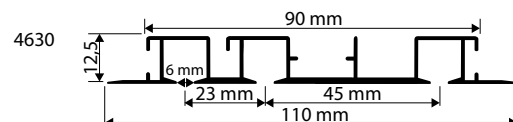
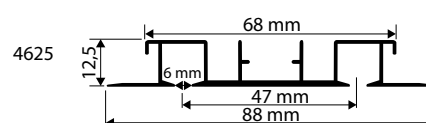
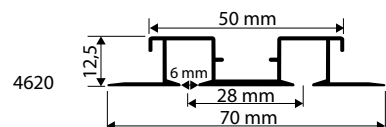
### SYSTEM 4400



### SYSTEM 4500

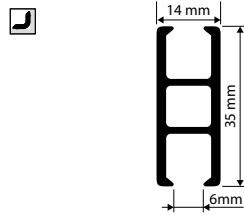


### SYSTEM 4600

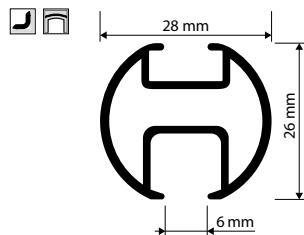


## Privacy rail systems

SYSTEM 4100

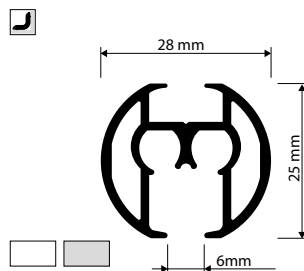


SYSTEM 5100

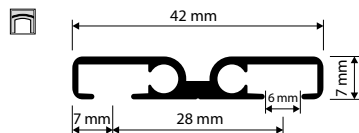


## Cord-operated rails

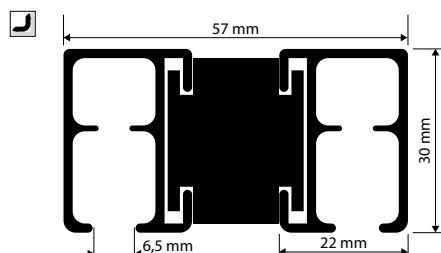
SYSTEM 5200



SYSTEM 5500

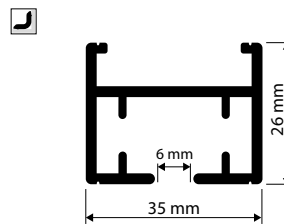


SYSTEM 8100

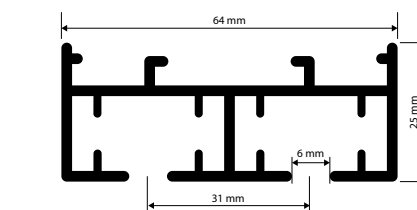


## Motor-operated rails

SYSTEM 9500

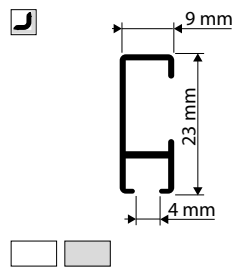


SYSTEM 9550



## Picture hanging systems

SYSTEM 2200



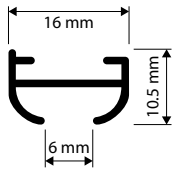
- |  |             |  |                  |
|--|-------------|--|------------------|
|  | White       |  | Horizontal curve |
|  | Silver      |  | Vertical curve   |
|  | Bronze      |  | Return curve     |
|  | Brass matte |  |                  |

RAL colours on request

# Hand operated rail 3600

Aluminium rails

## System 3600



### PRODUCT FEATURES

- Flat rail with rounded design
- Small space requirements and concealed assembly
- Ceiling fixation
- Track width 6 mm
- Bearing length 6 mm

### AVAILABLE COLOURS



White (RAL 9016)



Silver (anodized)

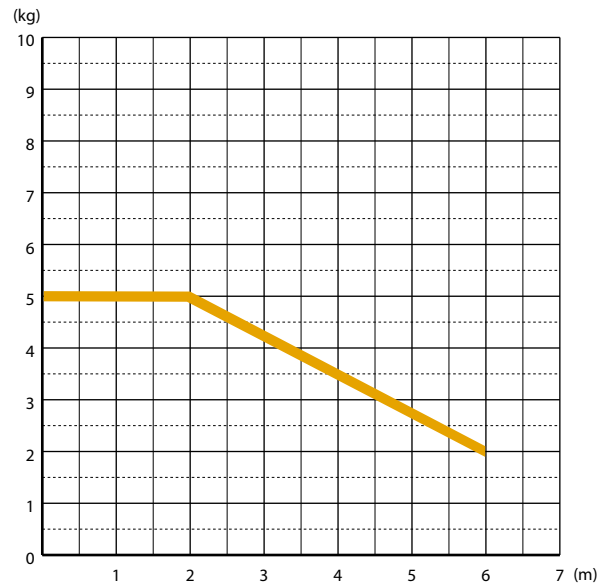


Brass matte (anodized)

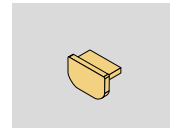
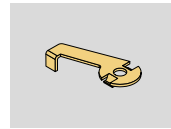
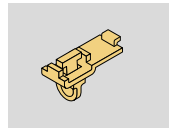
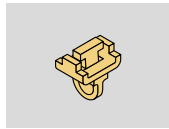


Bronze (anodized)

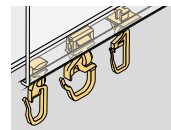
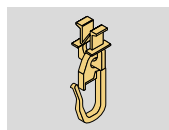
### LOAD TABLE



### STANDARD COMPONENTS

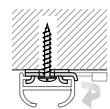


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### CURVE



Horizontal curve

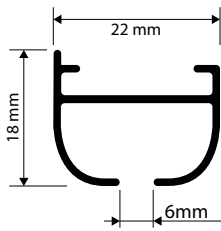
Possible radii: **10 cm, from 40 cm any radius possible**



Vertical curve

Possible radii: **5 cm, from 40 cm any radius possible**

## System 3700



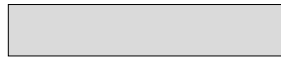
### PRODUCT FEATURES

- Sturdy rail with rounded design
- Concealed fixation
- Ceiling fixation
- Use of rollers possible
- Track width 6 mm
- Bearing length 6 m

### AVAILABLE COLOURS

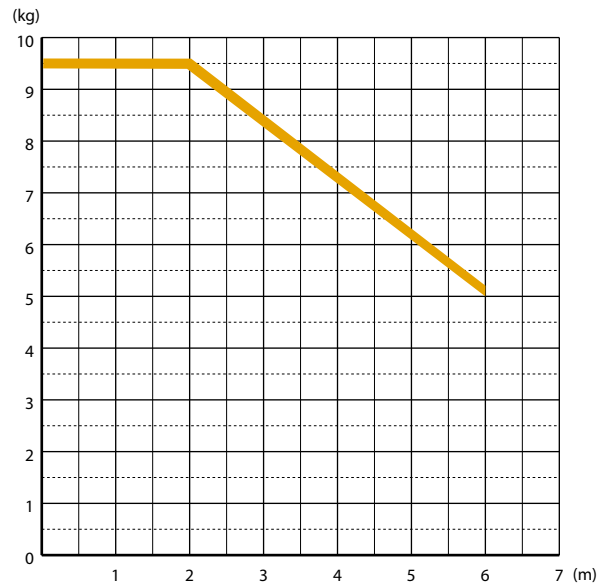


White (RAL 9016)



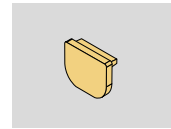
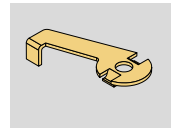
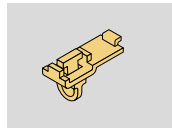
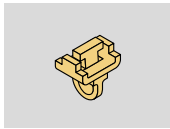
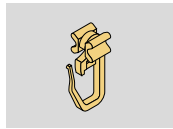
Silver (anodized)

### LOAD TABLE

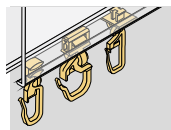


Please use **rollers or object gliders** for heavy curtains.

### STANDARD COMPONENTS

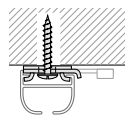


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### CURVE



Horizontal curve

Possible radii: **15 cm, from 40 cm any radius possible**



Vertical curve

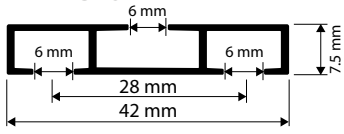
Possible radii: **15 cm, from 40 cm any radius possible**

# Hand operated rail 4300

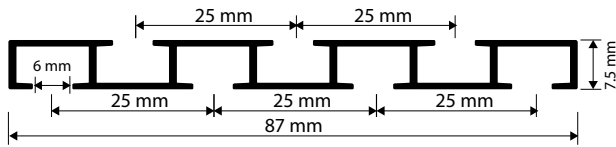
Aluminium rails

## System 4300

### RAIL 4320



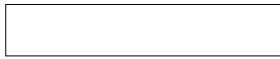
### RAIL 4340



### PRODUCT FEATURES

- Extra flat aluminium profile
- Rail can be used as 1 / 2 track or 3 / 4 track rail
- Ceiling fixation
- Track width 6 mm
- Bearing length 6 mm

### AVAILABLE COLOURS

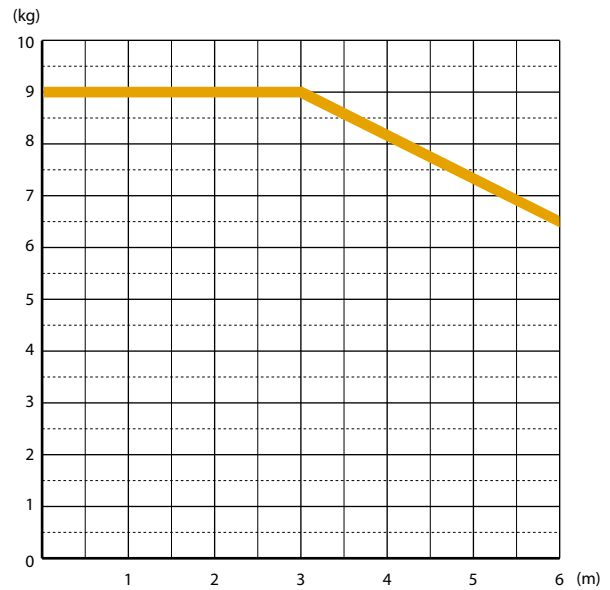


White (RAL 9016)



Silver (RAL 9006)

### LOAD TABLE



Please use **object gliders** for heavy curtains.

### STANDARD COMPONENTS

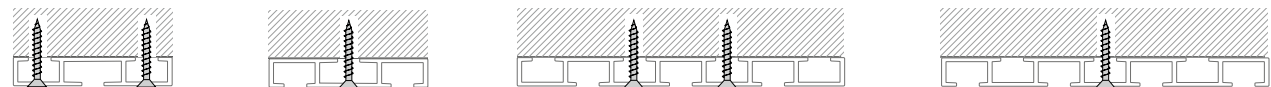


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### RETURN CURVE



Return curve for 4320

Possible radii: **20 cm**

### CURVE



Horizontal curve for 4320

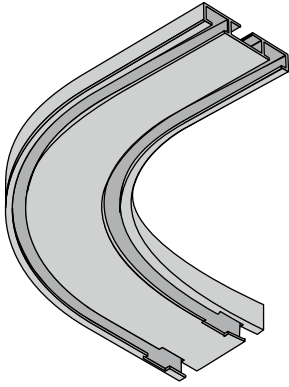
Possible radii: **20 cm, from 40 cm any radius possible**



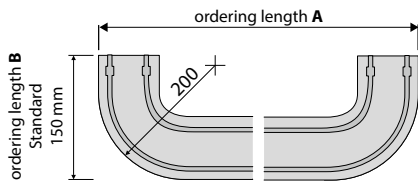
Vertical curve for 4320

Possible radii: **20 cm, from 40 cm any radius possible**

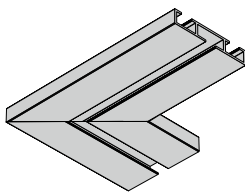
## RETURN CURVE



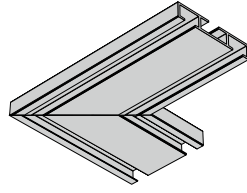
Model 4320



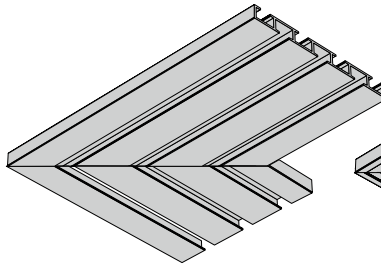
## MITRE CUT



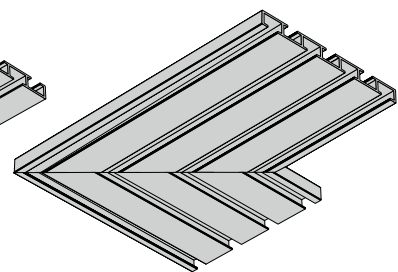
Model 4320 – 1-track



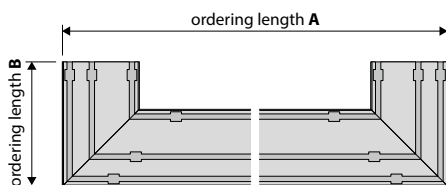
Model 4320 – 2-track



Model 4340 – 3-track



Model 4340 – 4-track



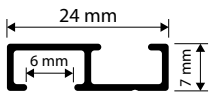
Mitre cut 4320 incl. 1 corner connector  
Mitre cut 4340 incl. 2 corner connectors

# Hand operated rail 4400

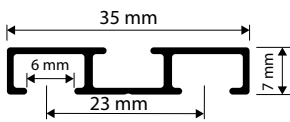
Aluminium rails

## System 4400

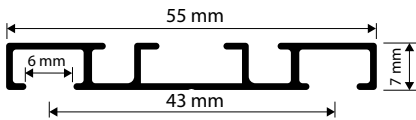
### RAIL 4410



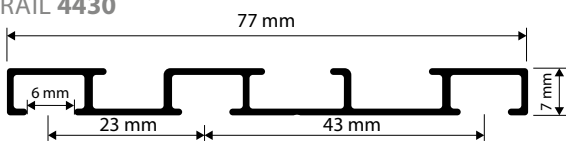
### RAIL 4420



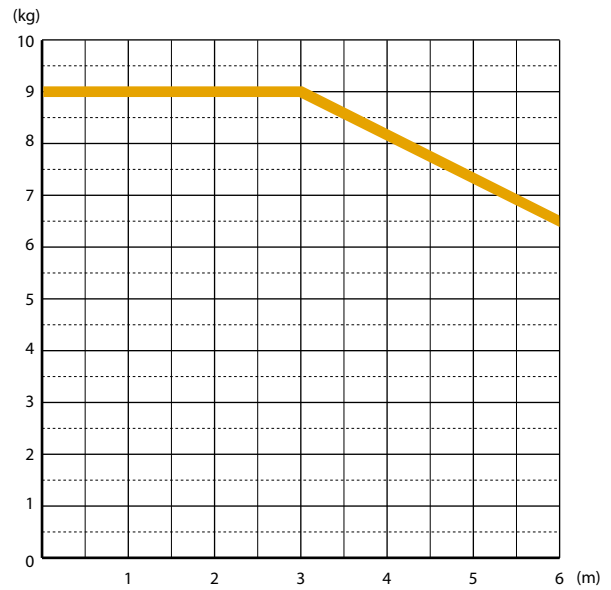
### RAIL 4425



### RAIL 4430



### LOAD TABLE



### PRODUCT FEATURES

- Extra flat aluminium profile
- Different track variants with the same look
- Suitable for objects
- For ceiling fixation
- Track width 6 mm
- Bearing length 6 m



Please use **object gliders** for heavy curtains.

### AVAILABLE COLOURS



White (RAL 9016)



Silver (anodized)

### STANDARD COMPONENTS

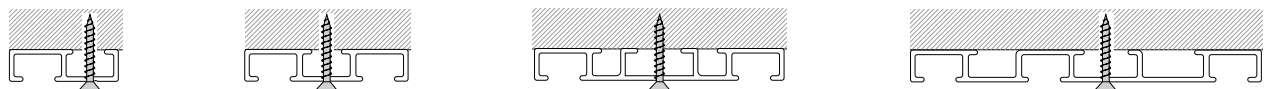


### SELECTABLE GLIDERS (Without extra charge)



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### RETURN CURVE



Possible radii: **10 cm, 15 cm (please note curve type)**

### CURVE



Horizontal curve

Possible radii: **10 cm, 15 cm, from 40 cm any radius possible (please note curve type)**



Vertical curve

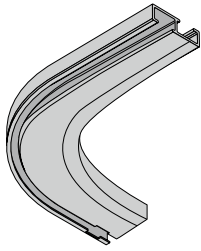
For 4410 and 4420  
Possible radii: **20 cm, from 40 cm any radius possible**



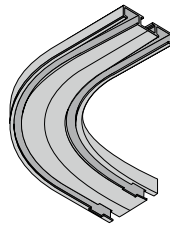
# Hand operated rail 4400

Aluminium rails

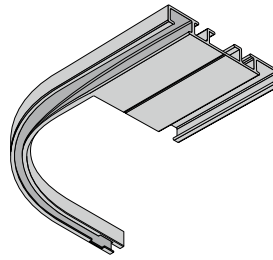
## RETURN CURVE



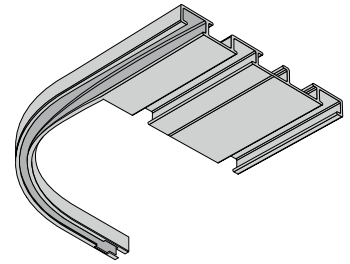
Model 4410



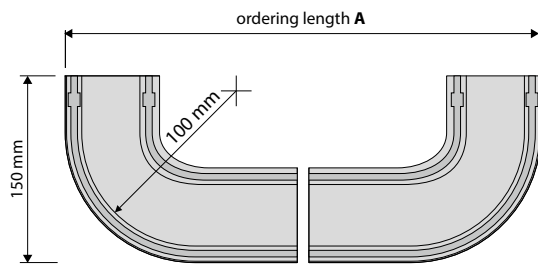
Model 4420



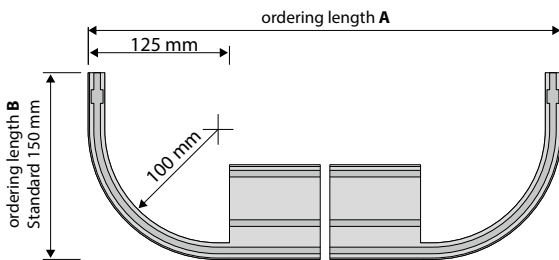
Model 4425



Model 4430

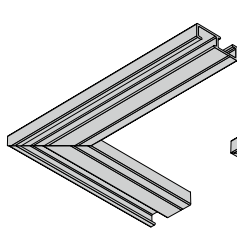


Return curve 4410/4420

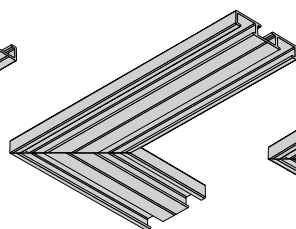


Return curve 4425/4430

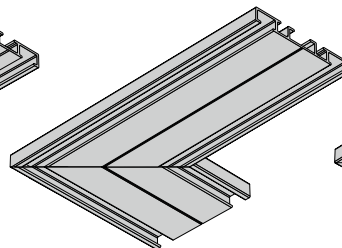
## MITRE CUT



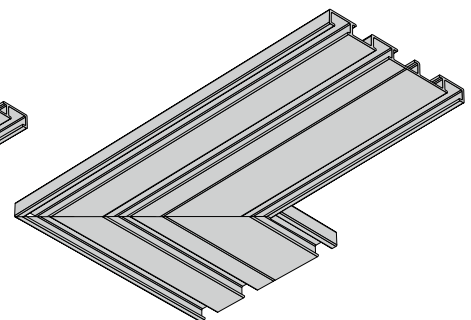
Model 4410



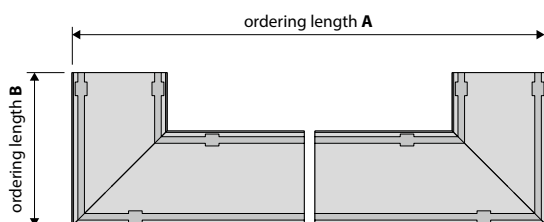
Model 4420



Model 4425



Model 4430



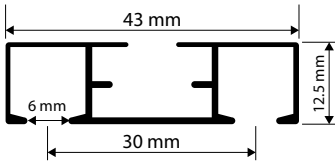
Mitre cut incl. 1 corner connector

# Hand operated rail 4500

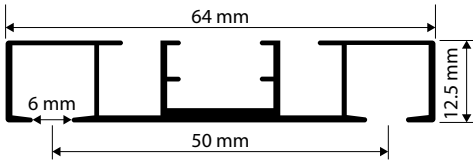
Aluminium rails

## System 4500

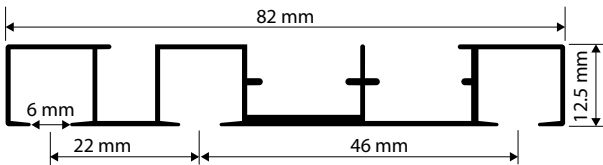
### RAIL 4520



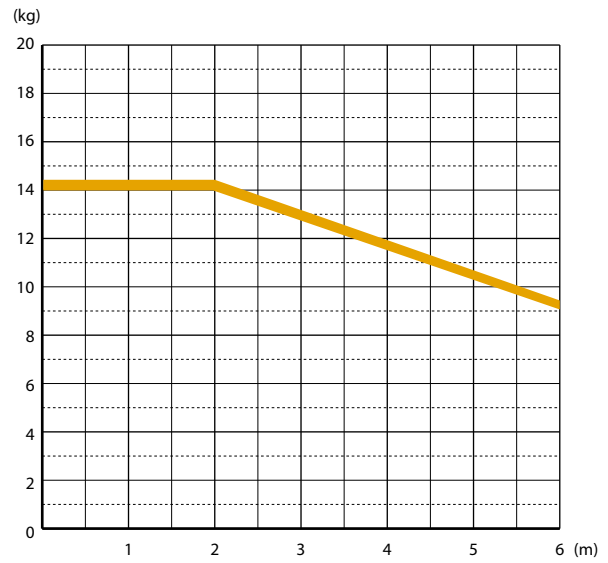
### RAIL 4525



### RAIL 4530



### LOAD TABLE



### PRODUCT FEATURES

- Flat ceiling rail made of aluminium
- Suitable for objects
- Ceiling fixation
- Track width 6 mm
- Bearing length 6 m

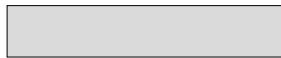


Please use **rollers or object gliders** for heavy curtains.

### AVAILABLE COLOURS



White (RAL 9016)



Silver (anodized)

### STANDARD COMPONENTS

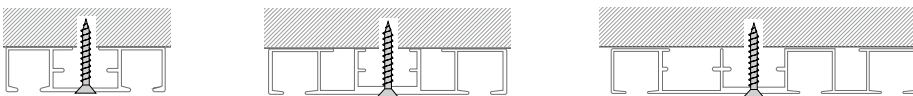


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### RETURN CURVE

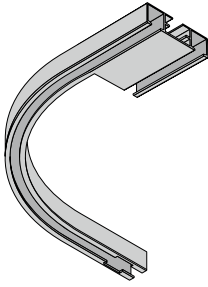


Possible radii: **10 cm**  
(please note curve type)

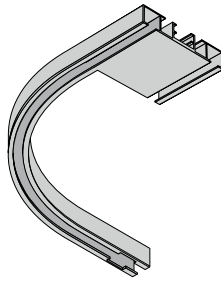
# Hand operated rail 4500

Aluminium rails

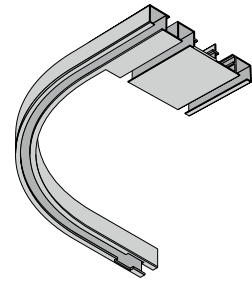
## RETURN CURVE



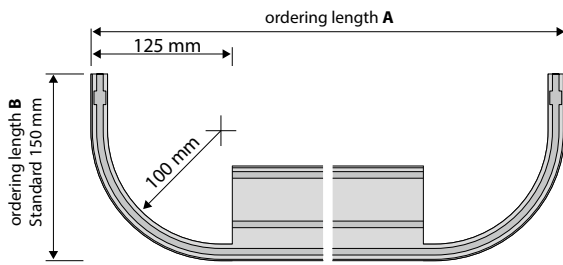
Model 4520



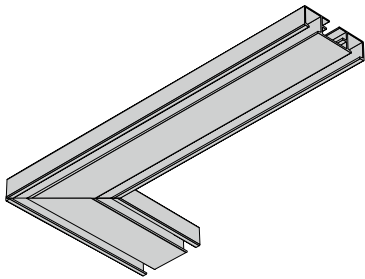
Model 4525



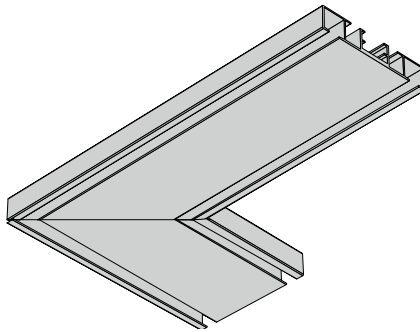
Model 4530



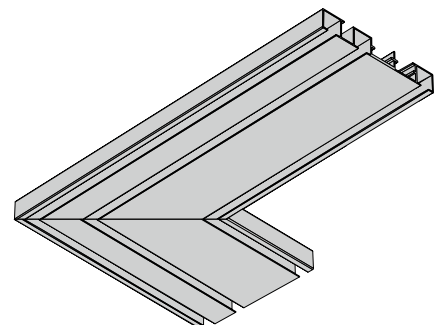
## MITRE CUT



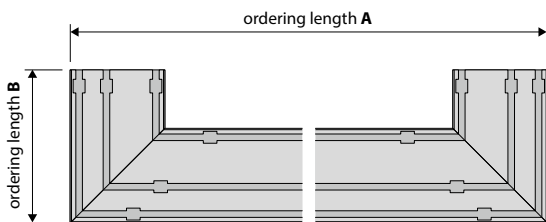
Model 4520



Model 4525



Model 4530

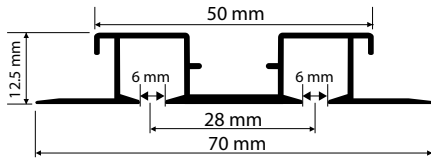


# Hand operated rail 4600

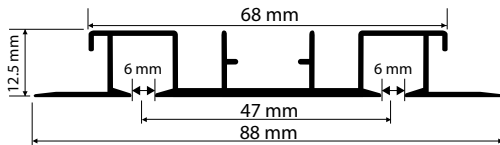
Aluminium rails

## System 4600

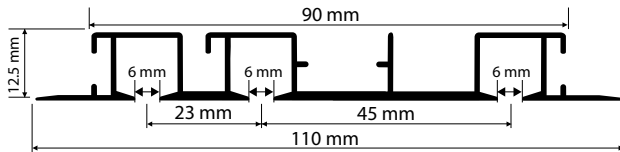
### RAIL 4620



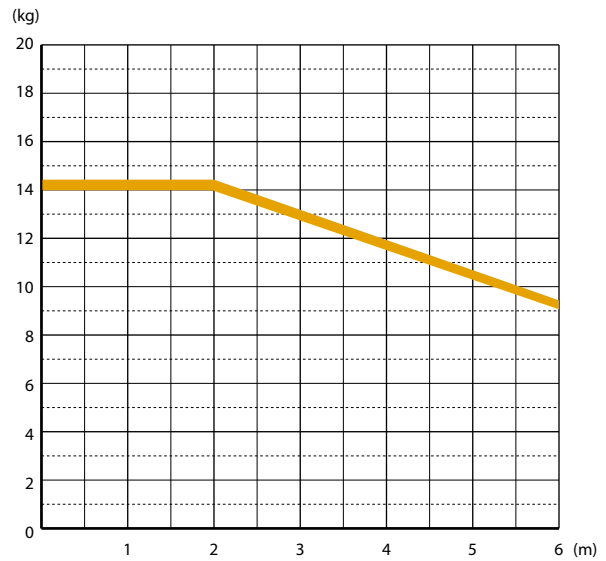
### RAIL 4625



### RAIL 4630



### LOAD TABLE



### PRODUCT FEATURES

- Installation profile made of aluminium suitable for objects
- Installation at suspended ceilings
- Track width 6 mm
- Bearing length 6 m



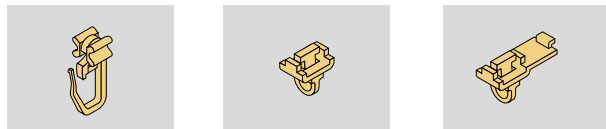
Please use **rollers or object gliders** for heavy curtains.

### AVAILABLE COLOURS



White (RAL 9016)

### STANDARD COMPONENTS

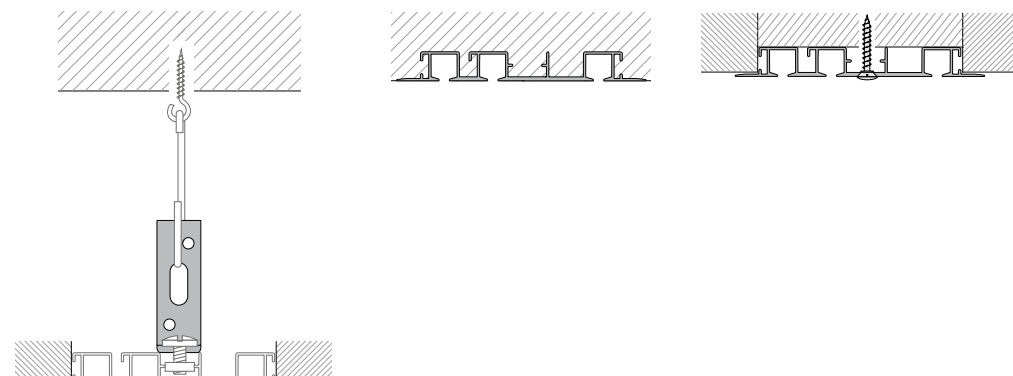


### SELECTABLE GLIDERS

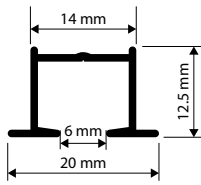


For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



## System 4850



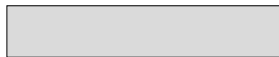
### PRODUCT FEATURES

- Elegant slot profile for wooden substructure and plasterboard with min. 30 mm thickness
- Ceiling fixation
- Use of rollers possible
- Track width 6 mm
- Bearing length 6 m
- Predrilled every 15 cm

### AVAILABLE COLOURS

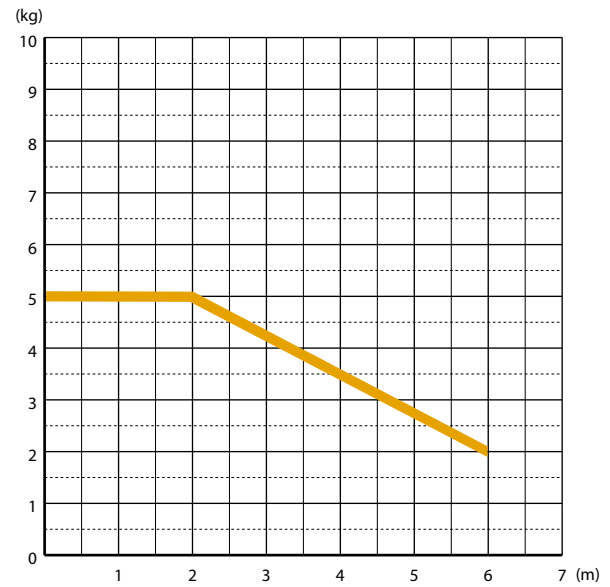


White (RAL 9016)

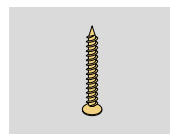
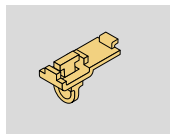
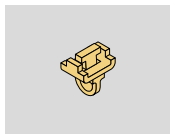
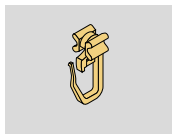


Silver (anodized)

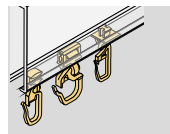
### LOAD TABLE



### STANDARD COMPONENTS

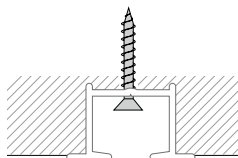


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### CURVE



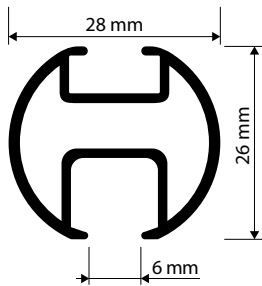
Horizontal curve

Possible radii: **from 40 cm any radius possible**

# Hand operated rail 5100

Aluminium rails

## System 5100



### PRODUCT FEATURES

- Universal and sturdy room divider profile
- Suitable for use in hospitals, medical practices, physiotherapy practices, workshops, changing rooms
- Ceiling and wall fixation and suspended fixation
- Use of rollers possible
- Track width 6 mm
- Bearing length 7 m

### AVAILABLE COLOURS

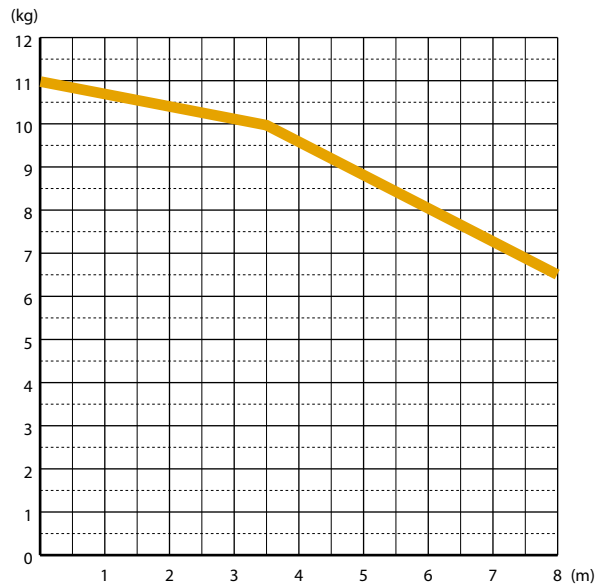


White (RAL 9016)



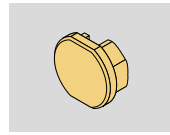
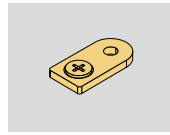
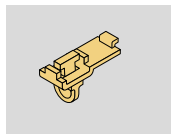
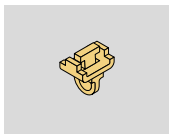
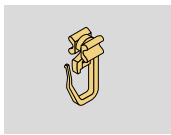
Silver (anodized)

### LOAD TABLE

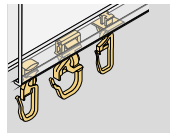
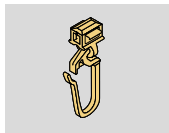


Please use **rollers or object gliders** for heavy curtains.

### STANDARD COMPONENTS

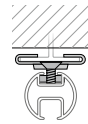
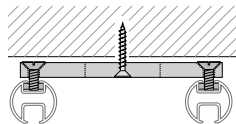
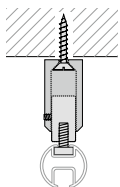
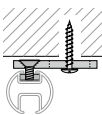


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### CURVE



Horizontal curve

Possible radii: **15 cm, from 40 cm any radius possible**



Vertical curve

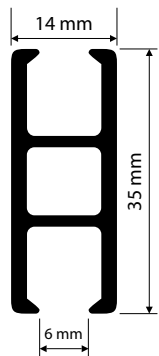
Possible radii: **15 cm, from 40 cm any radius possible**



# Privacy rail system 4100

Aluminium rails

## System 4100



### PRODUCT FEATURES

- Universal and sturdy room divider profile
- Suitable for use in hospitals, medical practices, physiotherapy practices, workshops, changing rooms
- Ceiling and wall fixation and suspended fixation
- Profile unsupported on 200 cm
- Use of rollers possible
- Track width 6 mm
- Bearing length 7 m

### AVAILABLE COLOURS

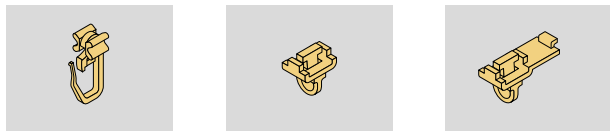


White (RAL 9016)



Silver (anodized)

### STANDARD COMPONENTS

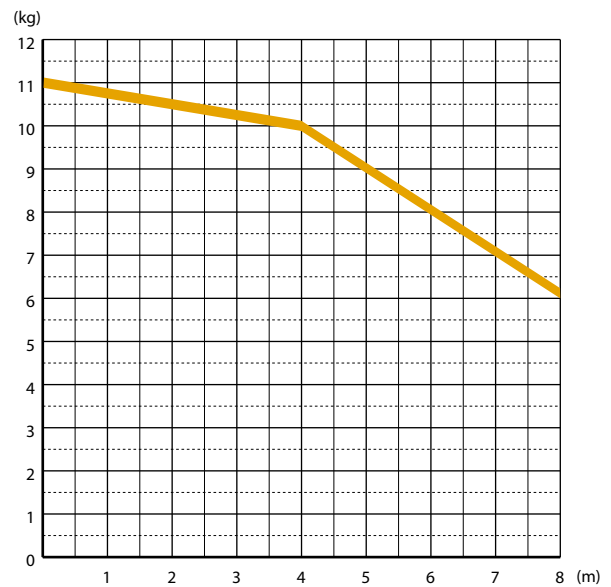


### SELECTABLE GLIDERS



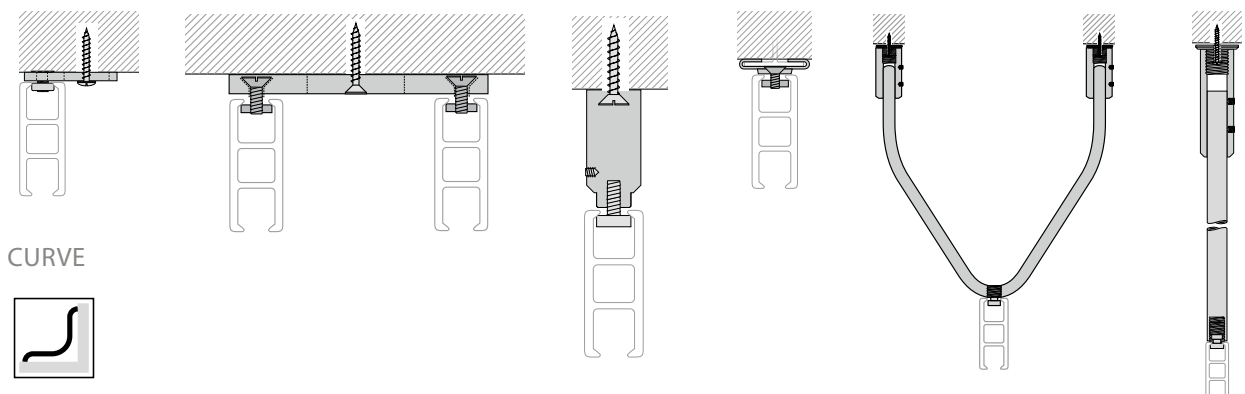
For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### LOAD TABLE



Please use **rollers or object gliders** for heavy curtains.

### ASSEMBLY OPTIONS



### CURVE



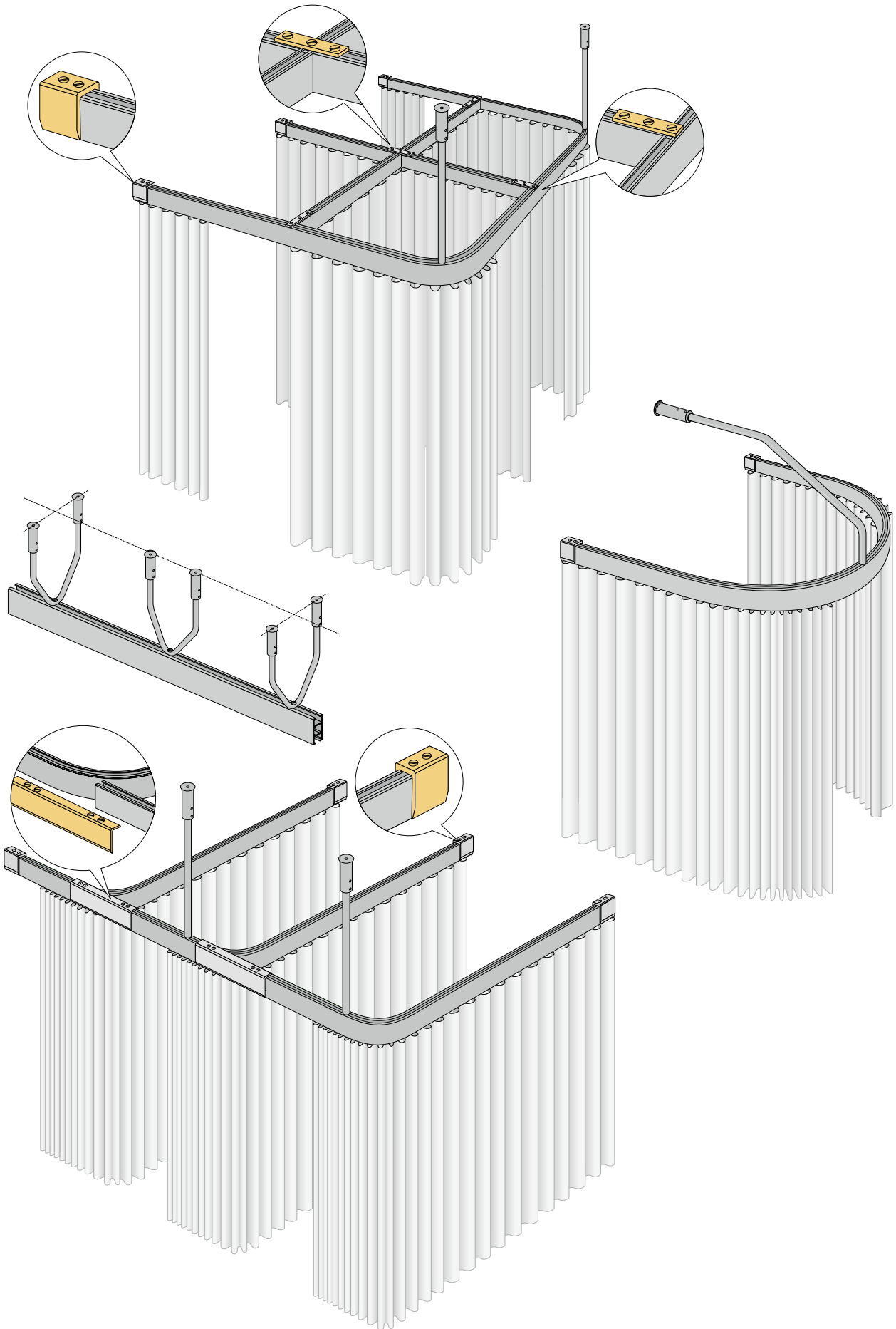
Horizontal curve

Possible radii: **20 cm, from 30 cm any radius possible**



# Privacy rail system 4100

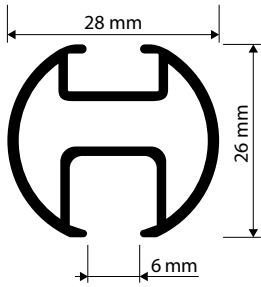
Aluminium rails



# Privacy rail system 5100

Aluminium rails

## System 5100



### PRODUCT FEATURES

- Universal and sturdy room divider profile
- Suitable for use in hospitals, medical practices, physiotherapy practices, workshops, changing rooms
- Ceiling and wall fixation and suspended fixation
- Use of rollers possible
- Track width 6 mm
- Bearing length 7 m

### AVAILABLE COLOURS

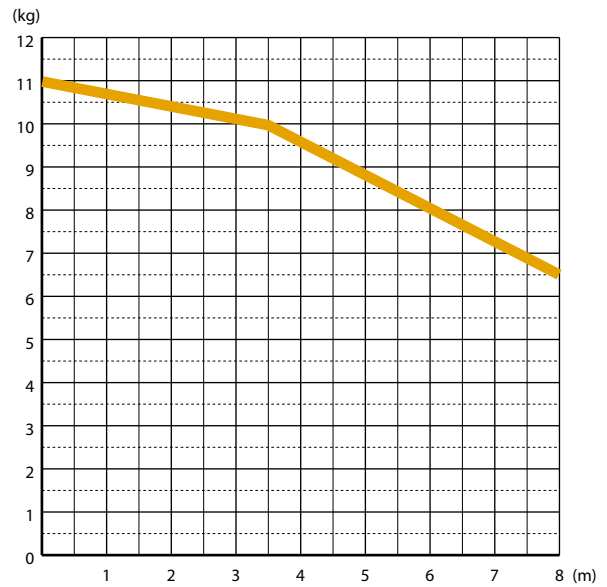


White (RAL 9016)



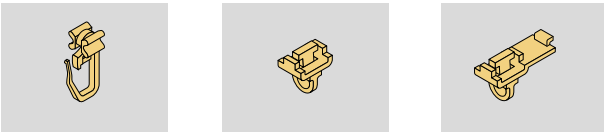
Silver (anodized)

### LOAD TABLE

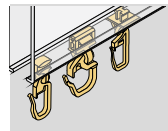


Please use **rollers or object gliders** for heavy curtains.

### STANDARD COMPONENTS

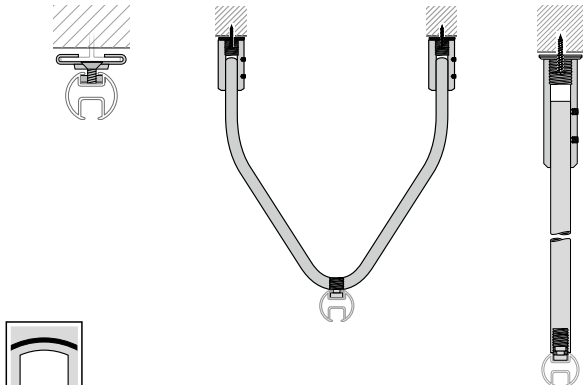
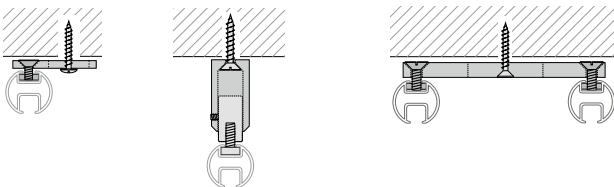


### SELECTABLE GLIDERS



For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### ASSEMBLY OPTIONS



### CURVE



Horizontal curve

Possible radii: **15 cm, from 40 cm any radius possible**

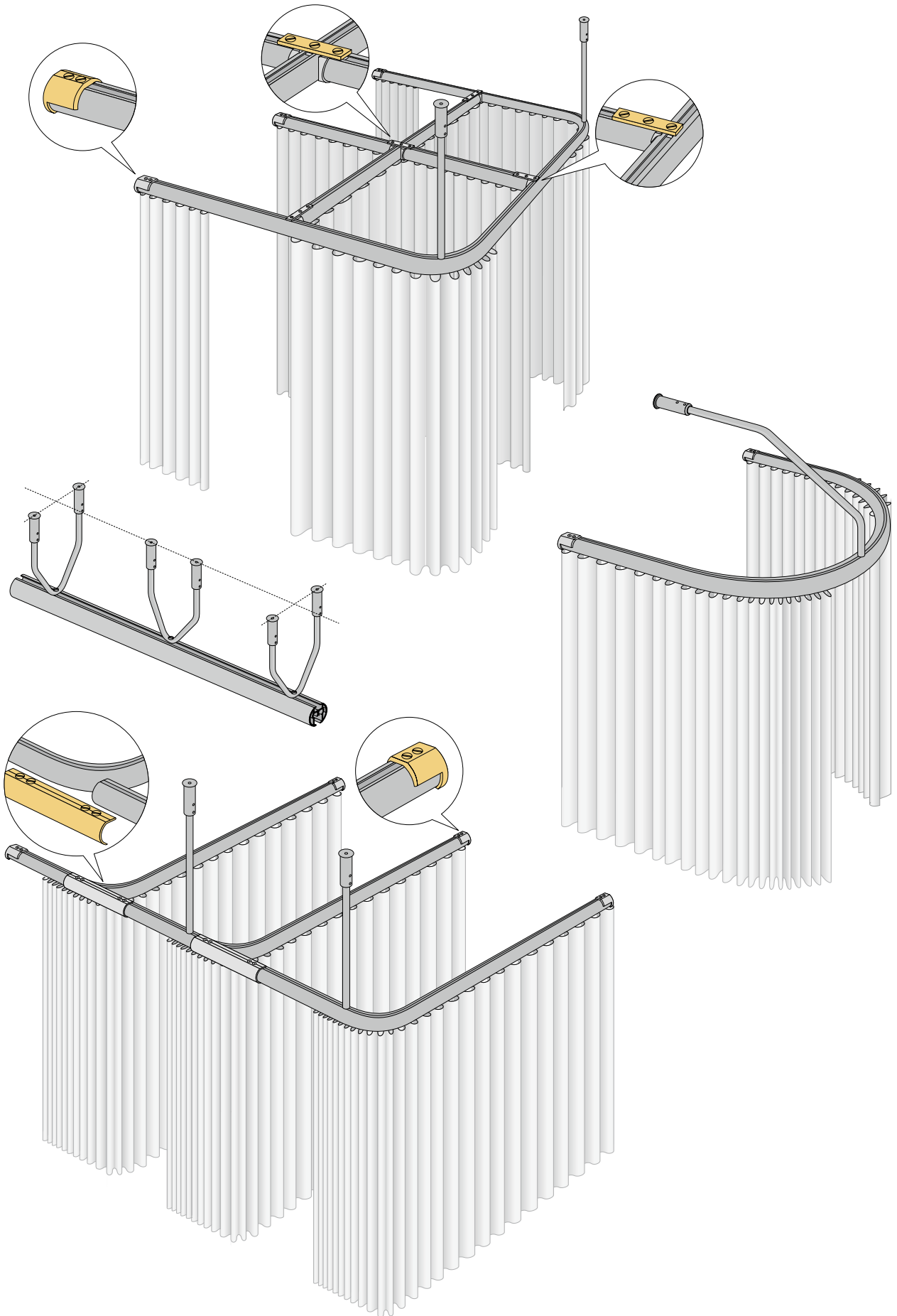


Vertical curve

Possible radii: **15 cm, from 40 cm any radius possible**

# Privacy rail system 5100

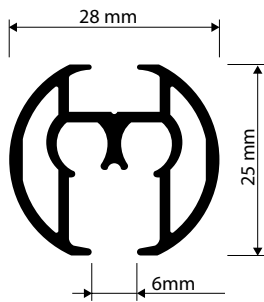
Aluminium rails



# Cord-operated rail 5200

Aluminium rails

## System 5200



### PRODUCT FEATURES

- Round and sturdy aluminium profile for cord operation
- Suitable for living areas and public areas
- Ceiling and wall fixation and suspended fixation
- Track width 6 mm
- Bearing length 6 m

### AVAILABLE COLOURS

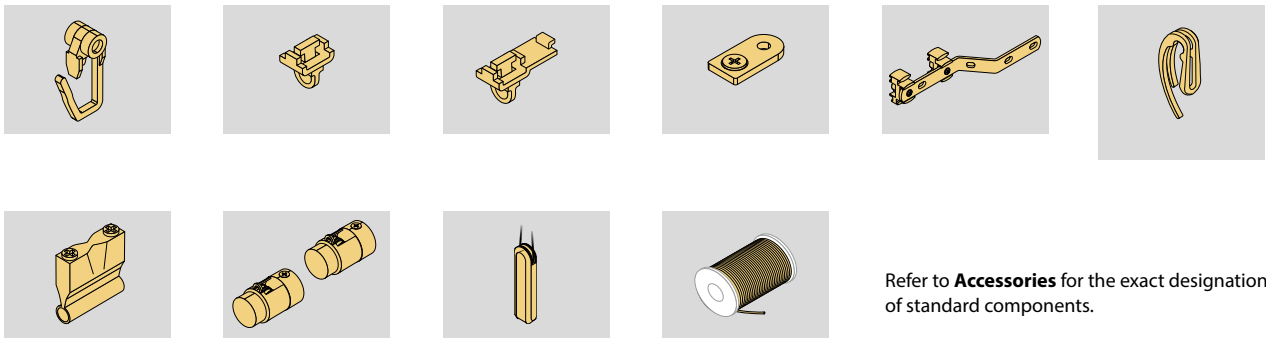


White (RAL 9010)

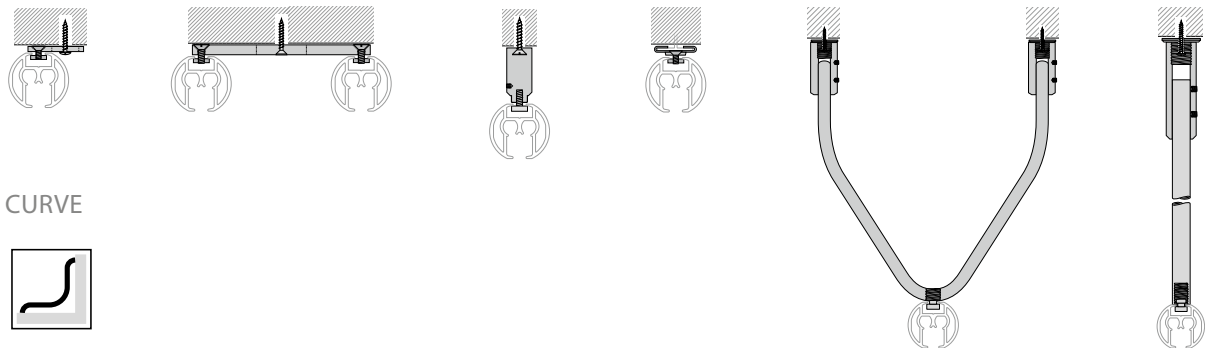


Silver (anodized)

### STANDARD COMPONENTS



### ASSEMBLY OPTIONS



### CURVE

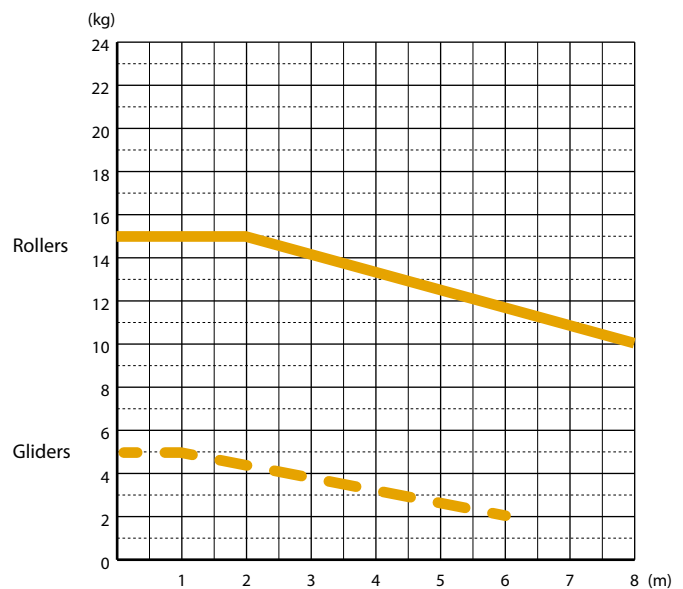
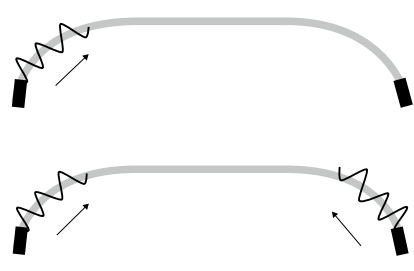
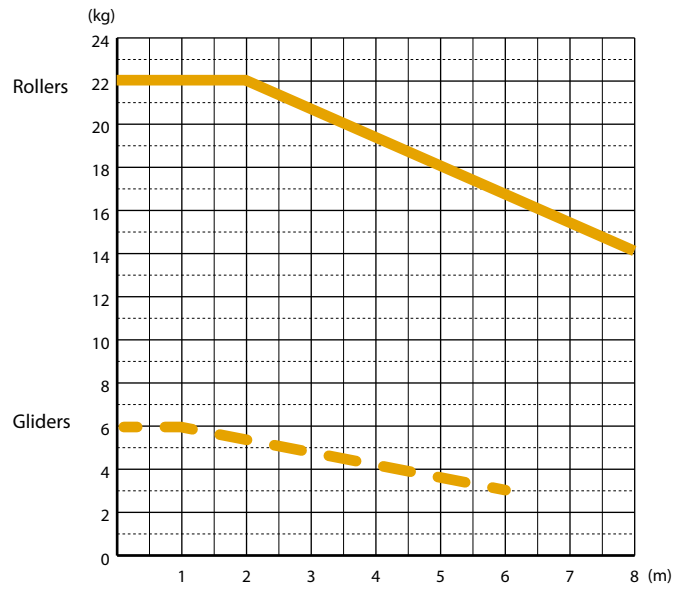
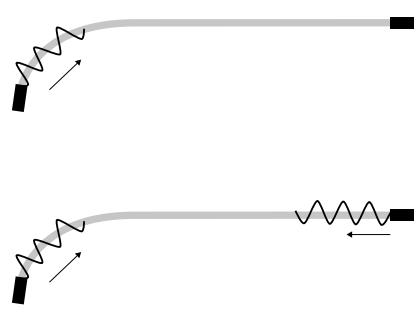
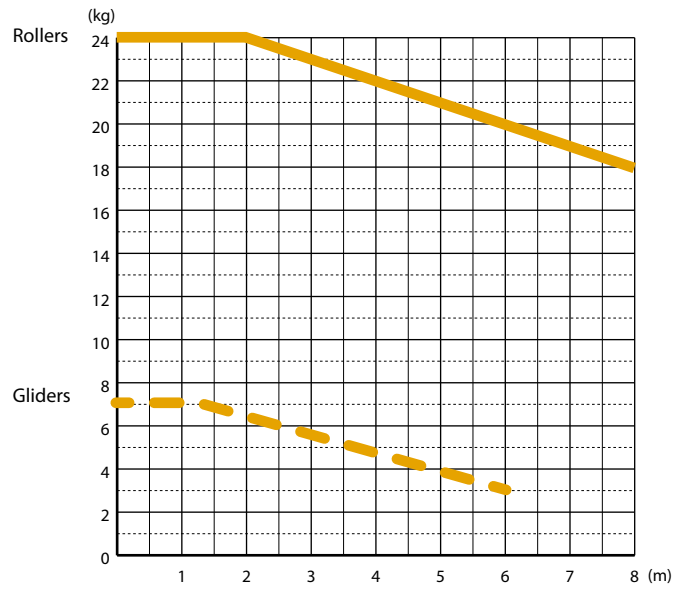


Horizontal curve

Possible radii: **25 cm, from 40 cm any radius possible**

# Cord-operated rail 5200

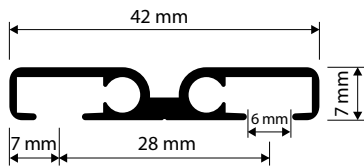
Aluminium rails



# Cord-operated rail 5500

Aluminium rails

## System 5500



### PRODUCT FEATURES

- Extra flat and unostentatious profile for cord operation
- Suitable for living areas
- Ceiling fixation
- Track width 6 mm
- Bearing length 6 m

### AVAILABLE COLOURS

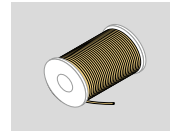
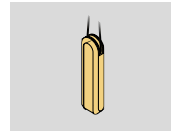
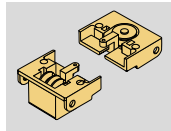
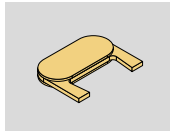
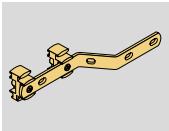
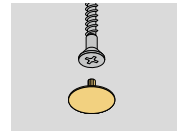
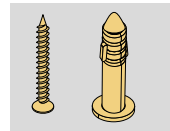
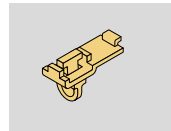
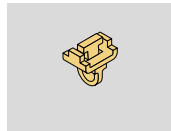


White (RAL 9016)

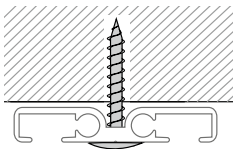


Silver (anodized)

### STANDARD COMPONENTS



### ASSEMBLY OPTIONS



Refer to **Accessories** for the exact designation of standard components.

### CURVE

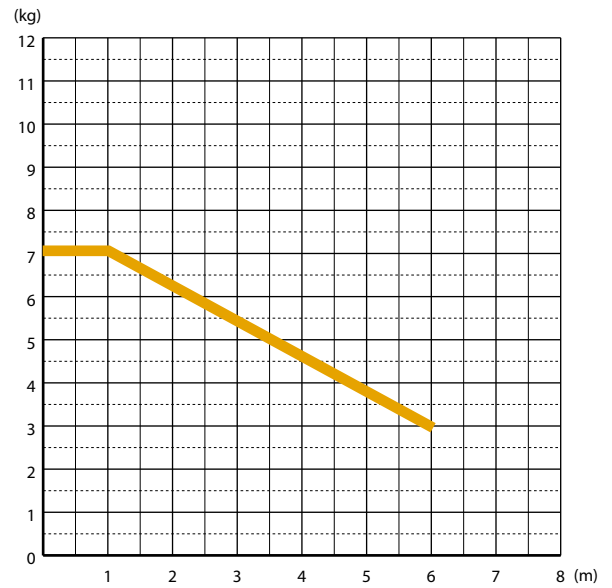


Vertical curve

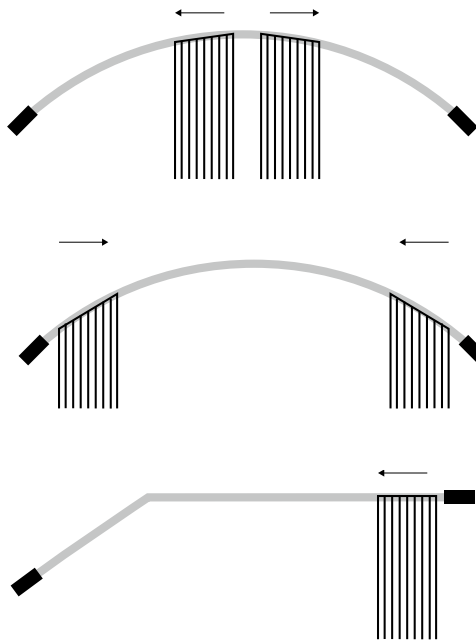
Possible radii: **20 cm, from 40 cm any radius possible**

# Cord-operated rail 5500

Aluminium rails



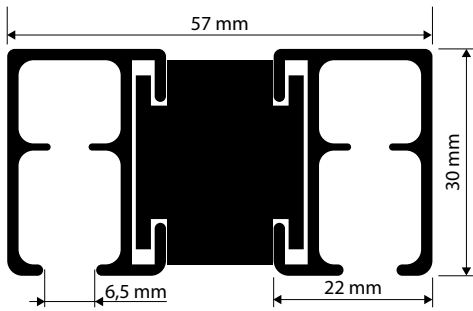
## VERTICAL CURVE - ARCHWAY OR PITCHED ROOF



# Cord-operated rail 8100

Aluminium rails

## System 8100



### PRODUCT FEATURES

- Extra sturdy rail for cord operation
- Suitable for theatres, stages and gymnasiums
- Ceiling fixation
- Track width 6.5 mm
- Bearing length 6 m

### AVAILABLE COLOURS

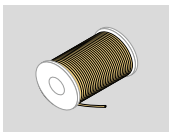
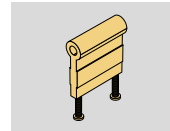
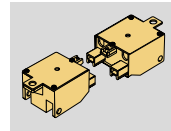


White (RAL 9016)



Silver (anodized)

### STANDARD COMPONENTS

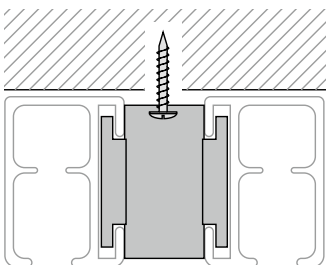


For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### SELECTABLE GLIDERS



### ASSEMBLY OPTIONS



### CURVE



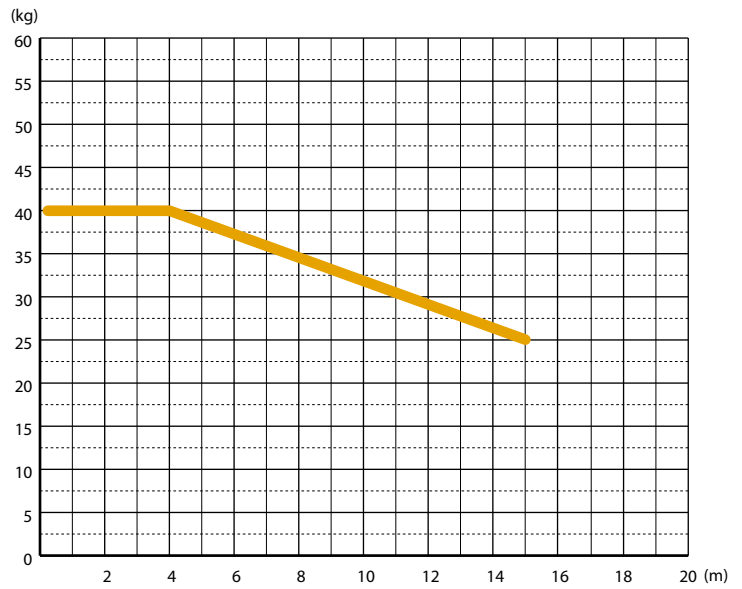
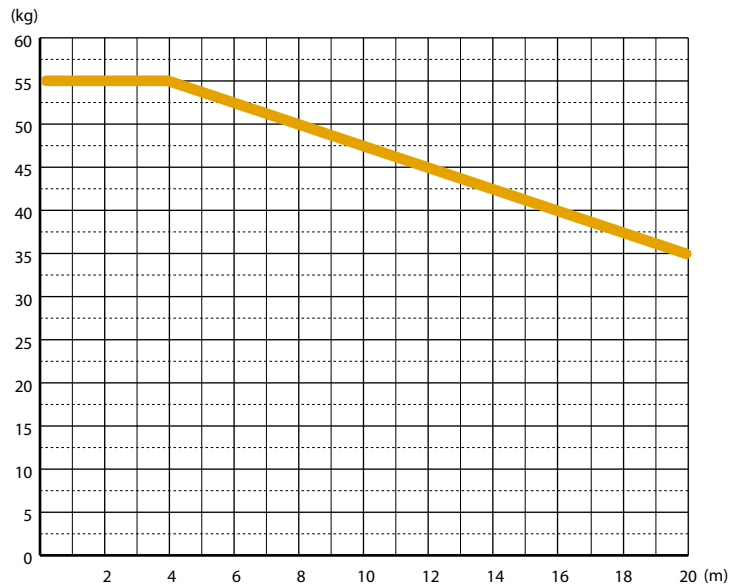
Horizontal curve

Possible radii: From **40 cm any radius possible**



# Cord-operated rail 8100

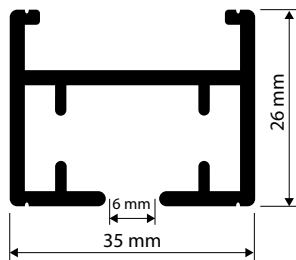
Aluminium rails



# Motor-operated rail 9500

Aluminium rails

## System 9500



### PRODUCT FEATURES

- Sturdy rail for motor / chain operation for living areas and public areas
- Ceiling fixation with quick-lock
- Low-noise electric drive
- 230 V drive (motor power selectable between 30 W or 45 W, also available as tandem version for heavy curtains or installations bigger than 7 m)
- 24 V drive with TCS (Touch Control System, automatic shifting of the curtain in "manual operation" prevents damage to the system)
- Chain operation max. 6 m
- Track width 6 mm
- Bearing length 7 m

### AVAILABLE COLOURS

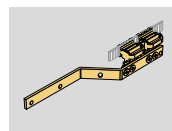
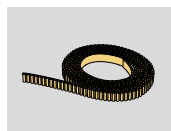
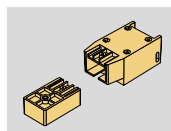
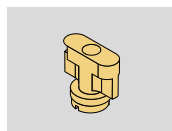


White (RAL 9016)



Silver (anodized)

### STANDARD COMPONENTS

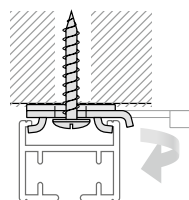


For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### SELECTABLE GLIDERS



### ASSEMBLY OPTIONS



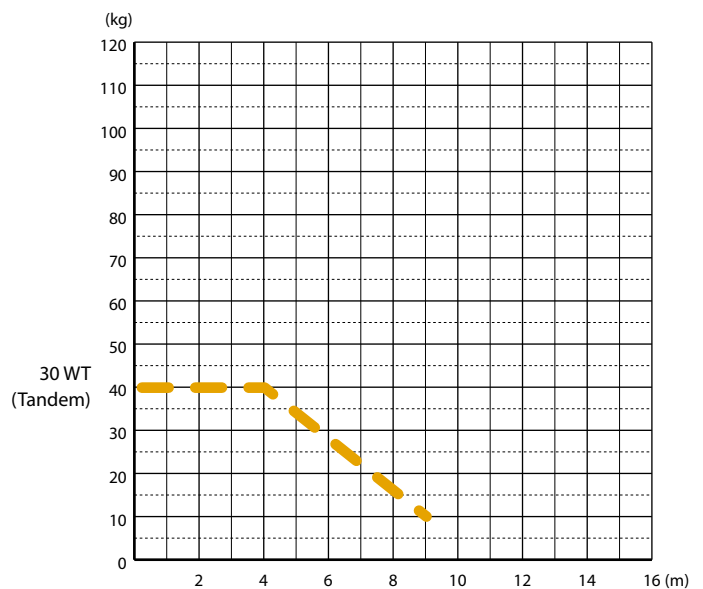
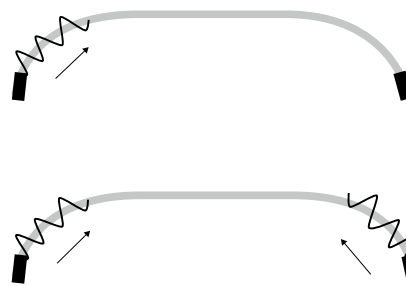
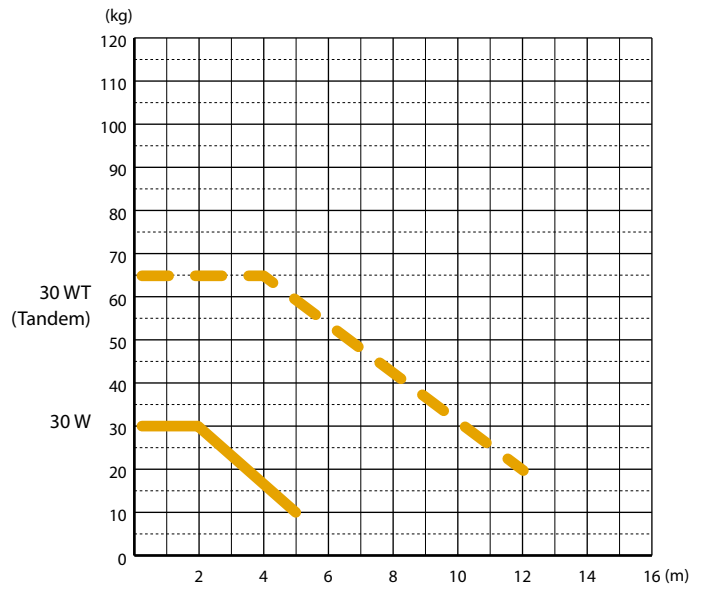
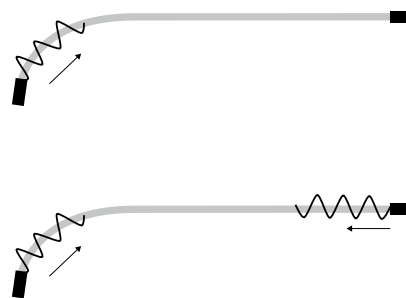
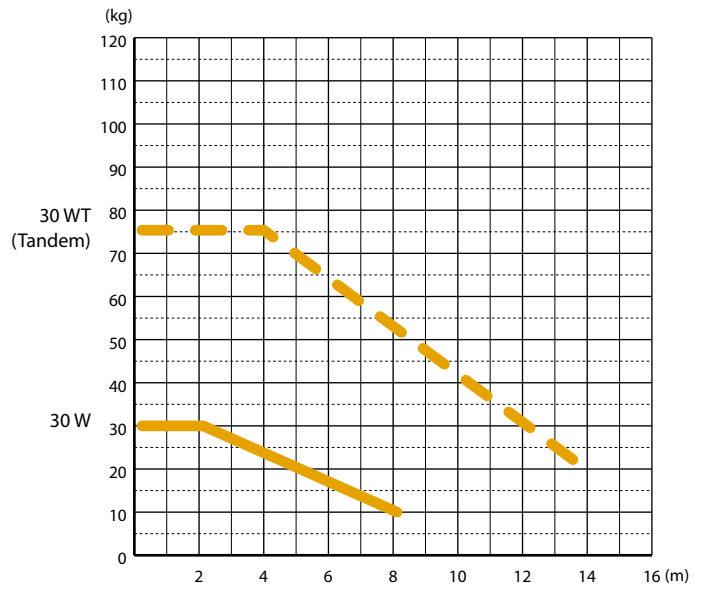
### CURVE



Horizontal curve

Possible radii: **From 45 cm any radius possible**

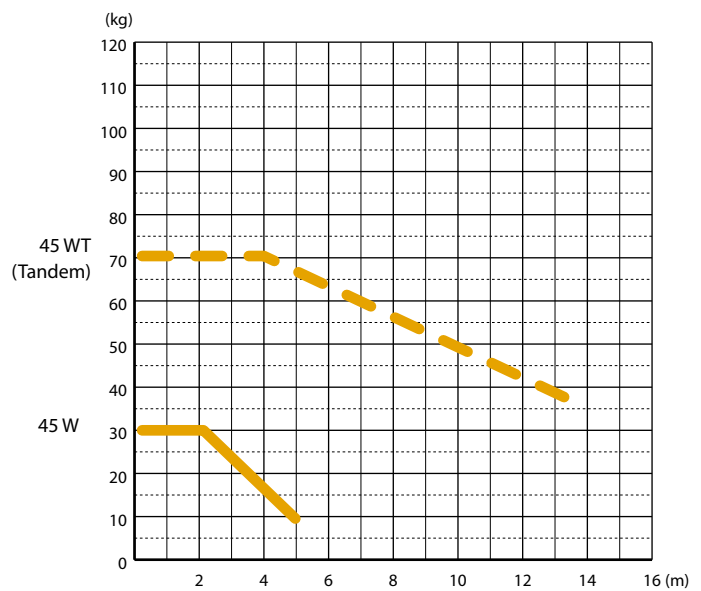
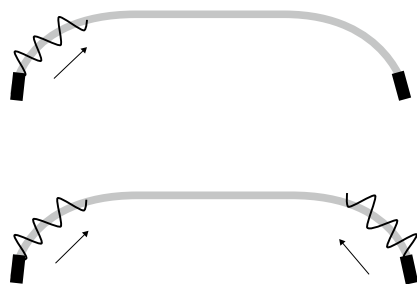
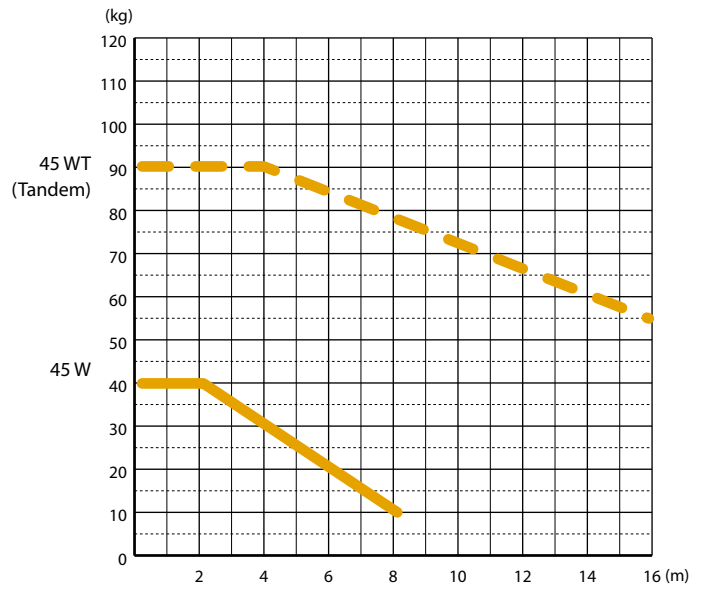
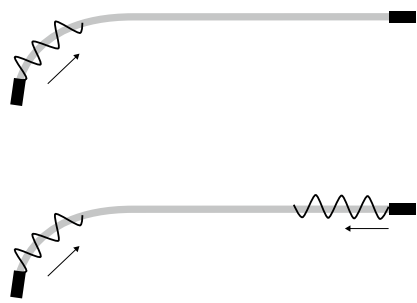
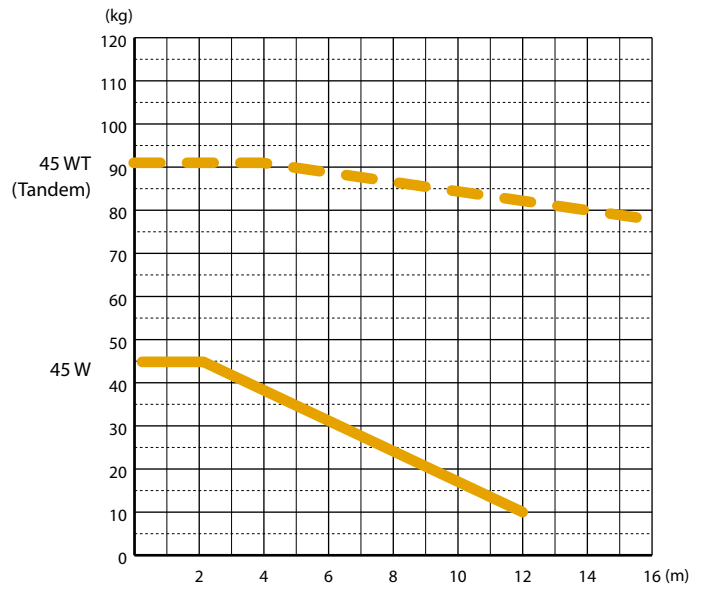
## LOAD TABLES 30 W/30 WT (TANDEM)



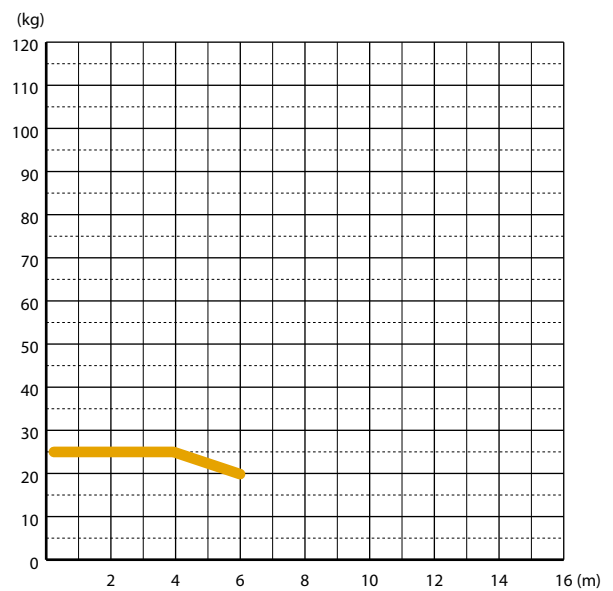
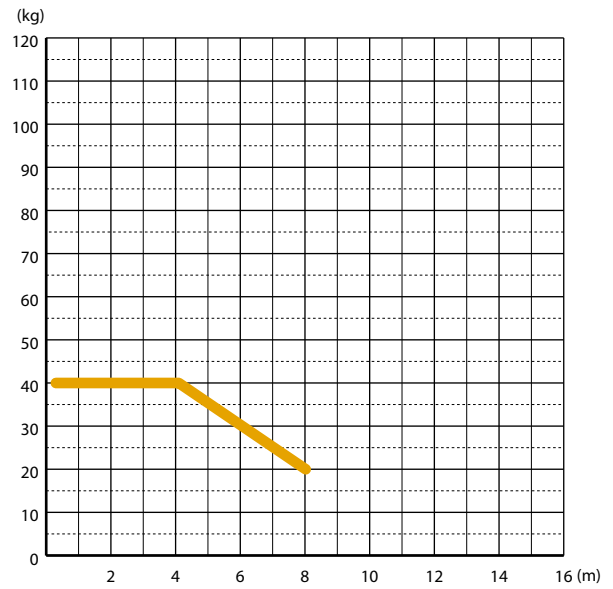
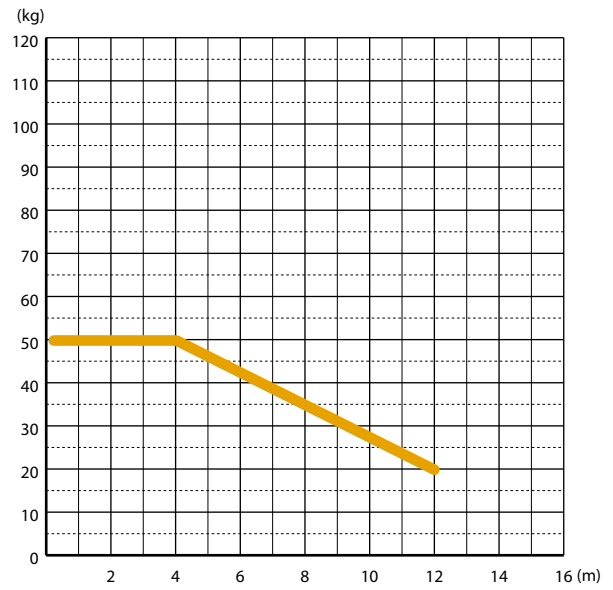
# Motor-operated rail 9500

Aluminium rails

LOAD TABLES 45 W/45 WT (TANDEM)



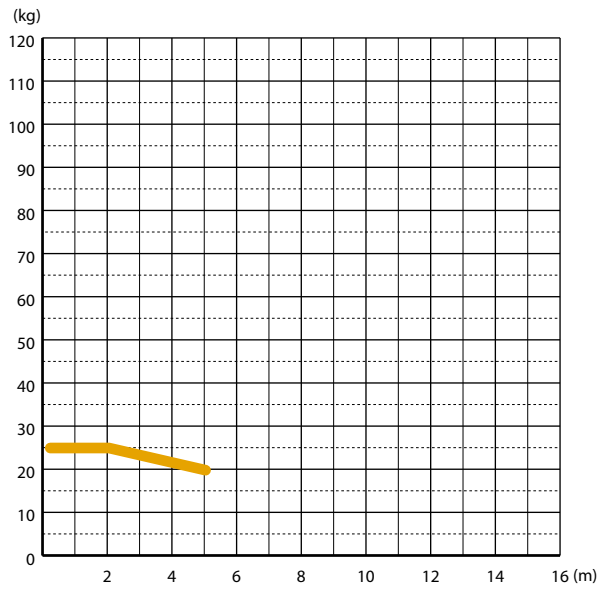
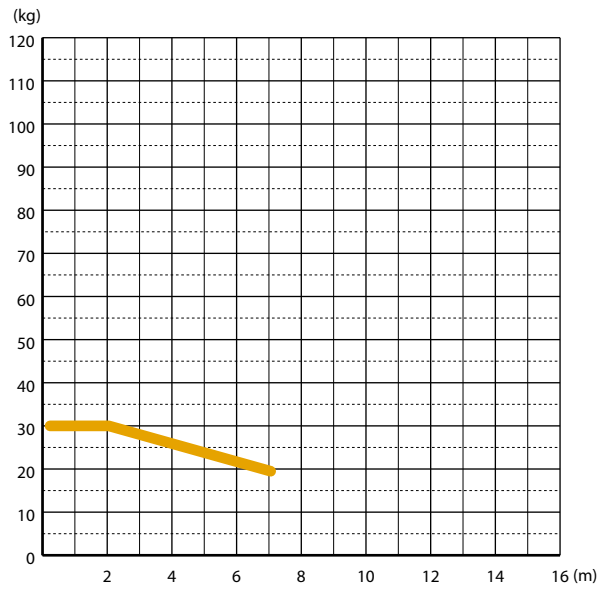
## LOAD TABLES 24 V



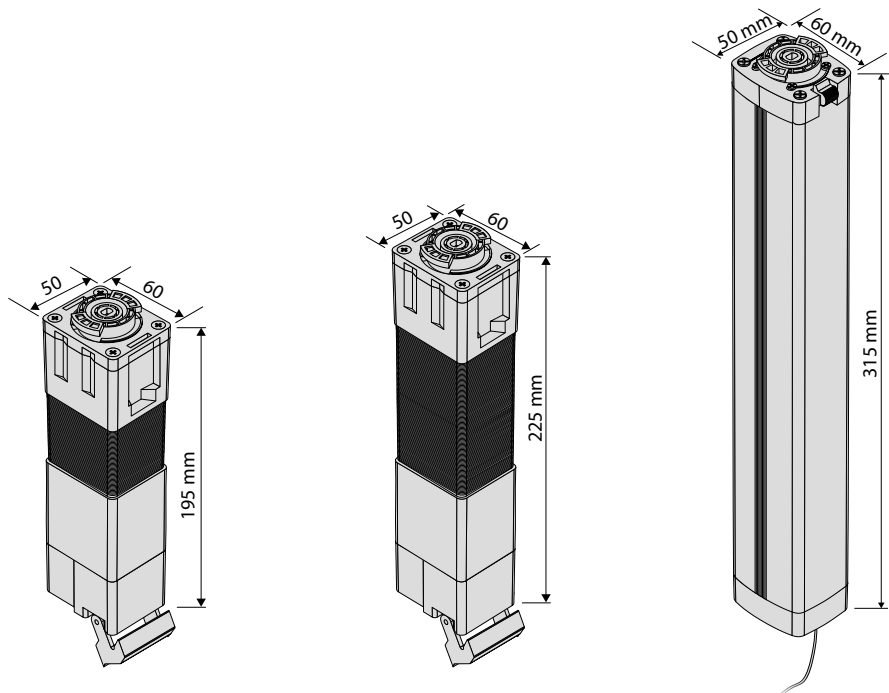
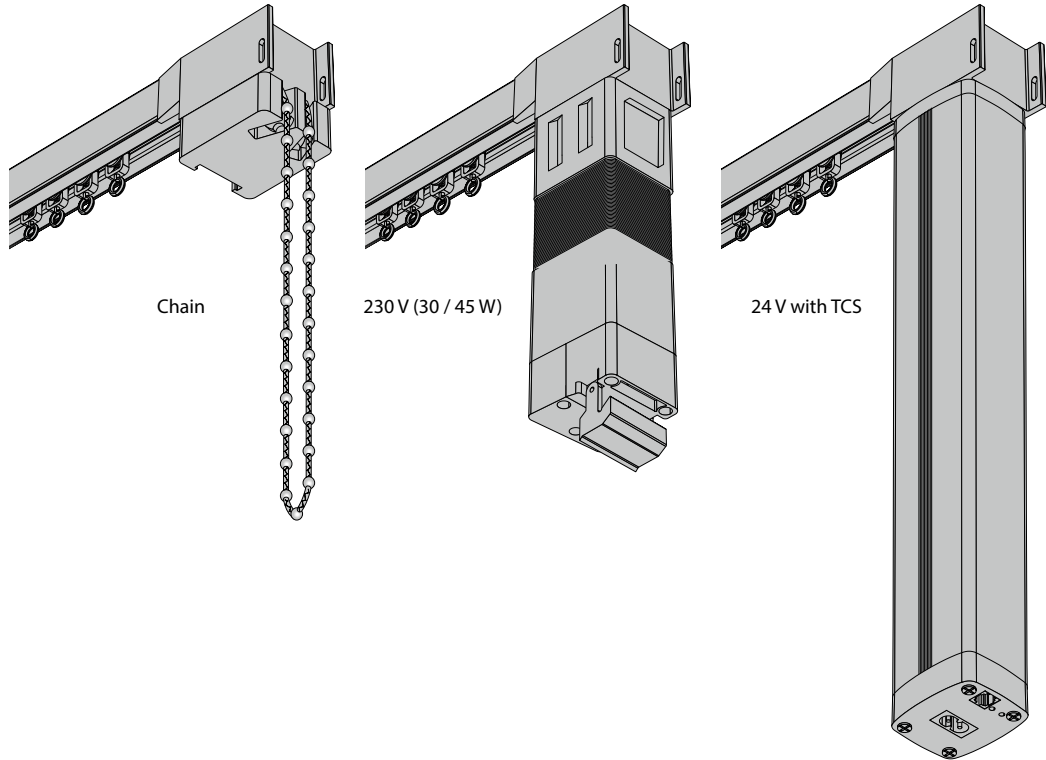
# Motor-operated rail 9500

Aluminium rails

LOAD TABLES - CHAIN



## LIST OF MOTORS / TECHNICAL DATA

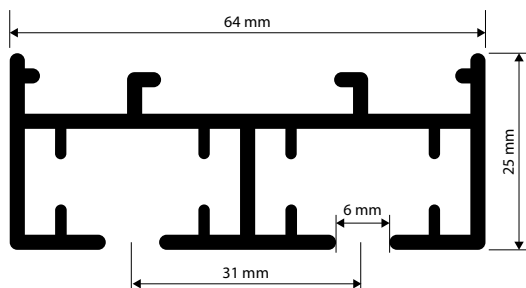


	<b>Motor 30 W</b>	<b>Motor 45 W</b>	<b>Motor 24 V – Fully automatic operation</b>
Power supply	230 V	230 V	230 V
Nominal capacity	30 W	45 W	15 W
Nominal current	0,13 A	0,195 A	0,8 A
Frequency	50 Hz	50 Hz	50 Hz
Operating mode	S3 30%	S3 30%	S3 50%
Type of protection	IP 41	IP 41	IP 41
Rotational direction	right + left	right + left	right + left
Speed	5,6 m/min.	5,6 m/min.	9,6 m/min.
Tandem available	yes	yes	no
TCS (Touch-Control-System)	no	no	yes

# Motor-operated rail 9550

Aluminium rails

## System 9550



### PRODUCT FEATURES

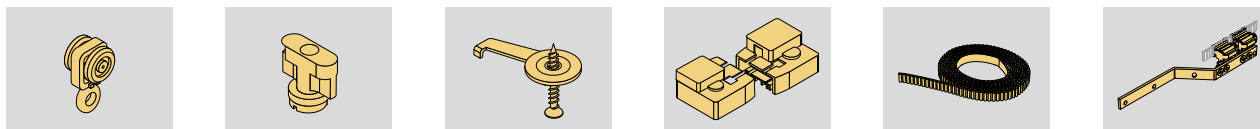
- Sturdy rail for motor / chain operation for living areas and public areas
- Ceiling fixation with quick-lock
- Low-noise electric drive
- 230 V drive (motor power selectable between 30 W or 45 W, also available as tandem version for heavy curtains or installations bigger than 7 m)
- Chain operation max. 6 m
- Track width 6 mm
- Bearing length 7 m

### AVAILABLE COLOURS



White (RAL 9016)

### STANDARD COMPONENTS

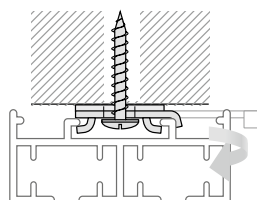


For the exact designation of standard components and gliders and for more gliders refer to **Accessories**.

### SELECTABLE GLIDERS



### ASSEMBLY OPTIONS

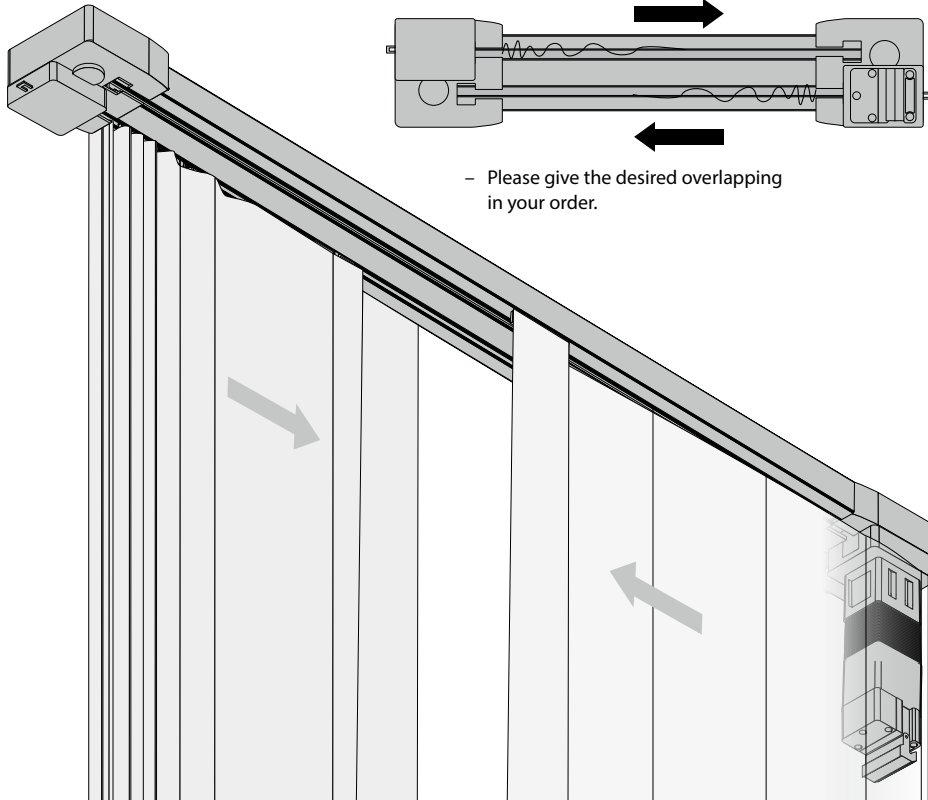




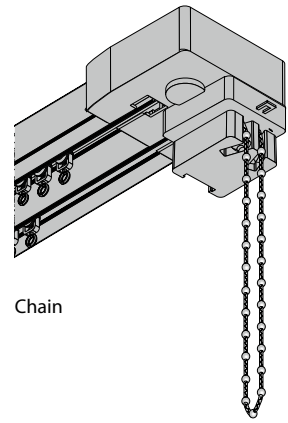
# Motor-operated rail 9550

Aluminium rails

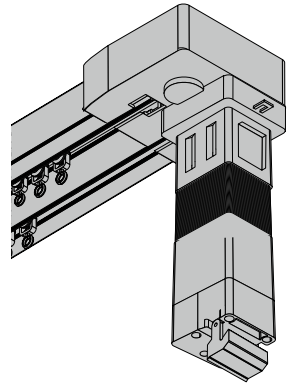
## 1 DRIVE



- Please give the desired overlapping in your order.



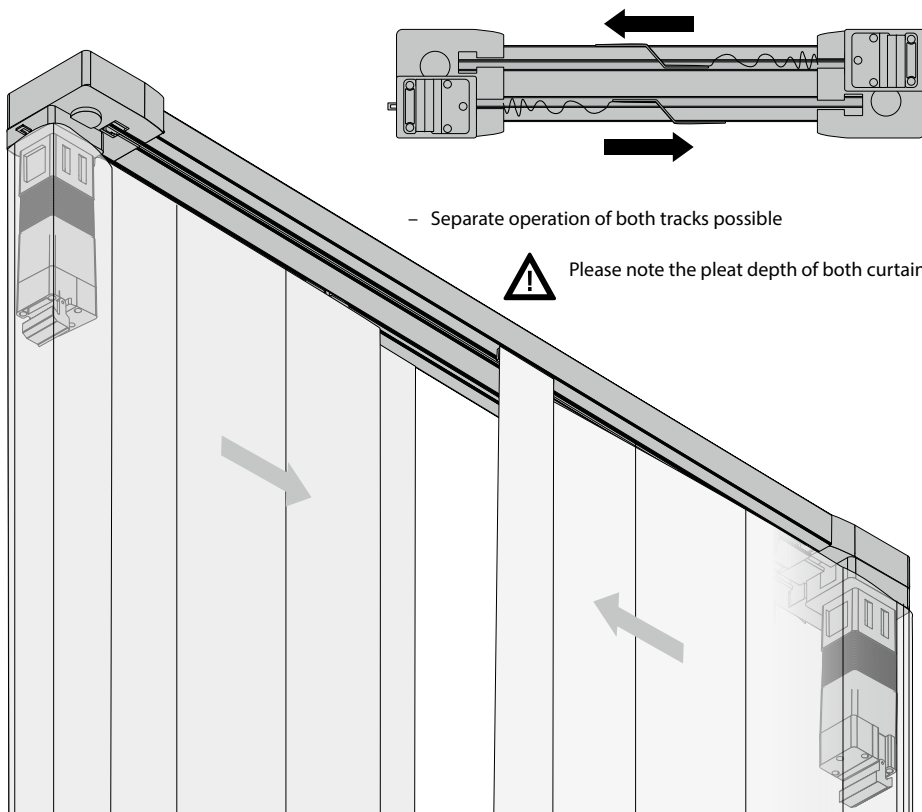
Chain



230 V (30 / 45 W)

- Mounting of several 1-track installations is not required
- Central overlapping freely selectable

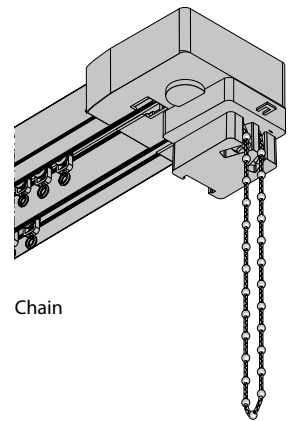
## 2 DRIVES



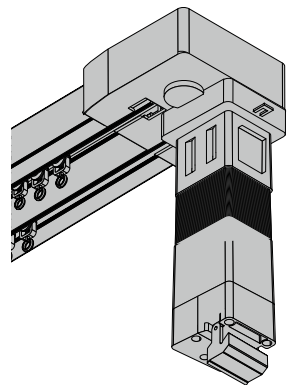
- Separate operation of both tracks possible



Please note the pleat depth of both curtains



Chain



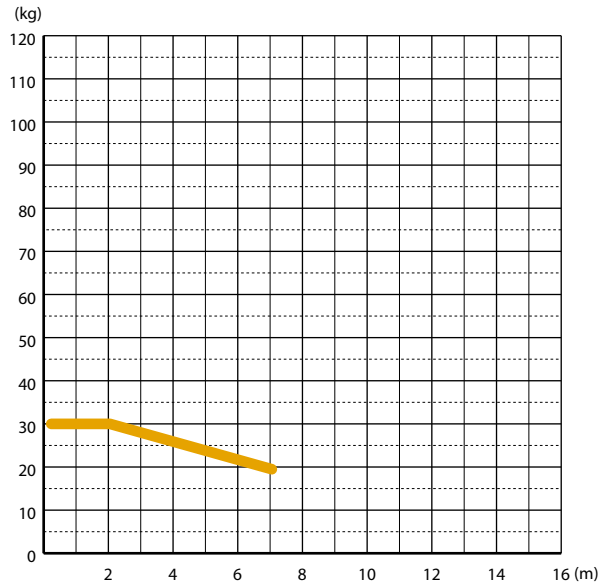
230 V (30 / 45 W)

- Separate and independent operation of both tracks possible
- Combinations of the different operation variants are possible, e.g. 1-track chain, 2-track motor

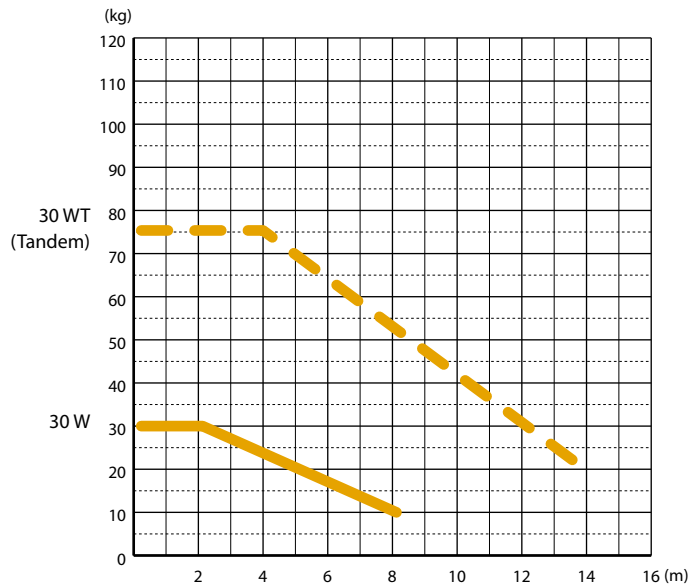
# Motor-operated rail 9550

Aluminium rails

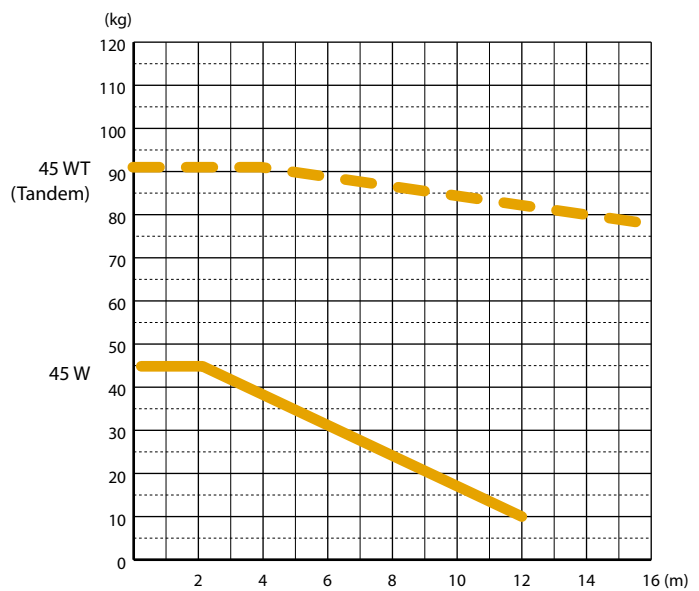
## LOAD TABLES - CHAIN



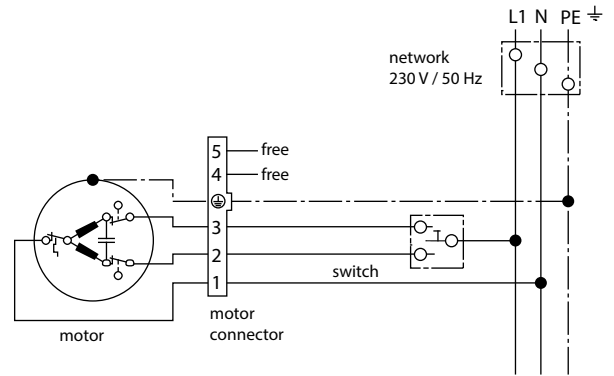
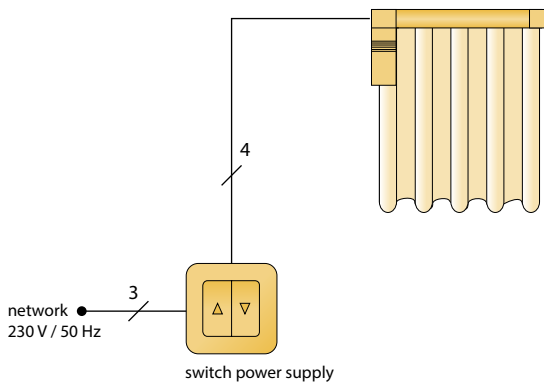
## LOAD TABLES 30 W/30 WT (TANDEM)



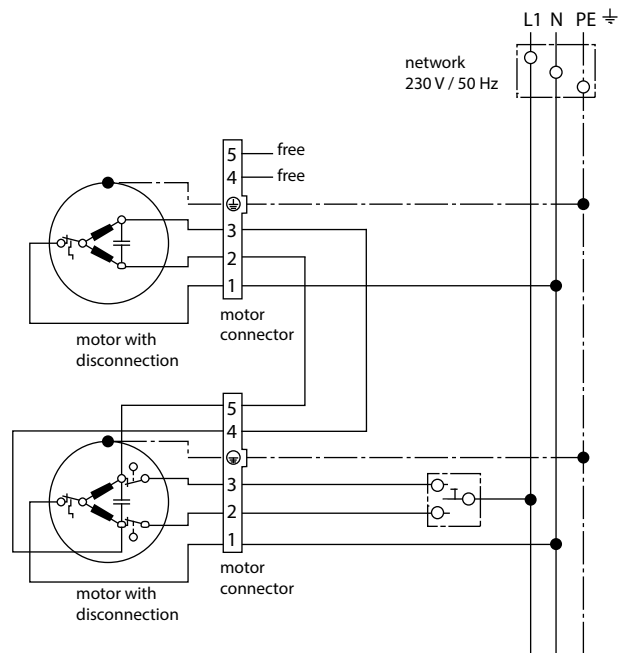
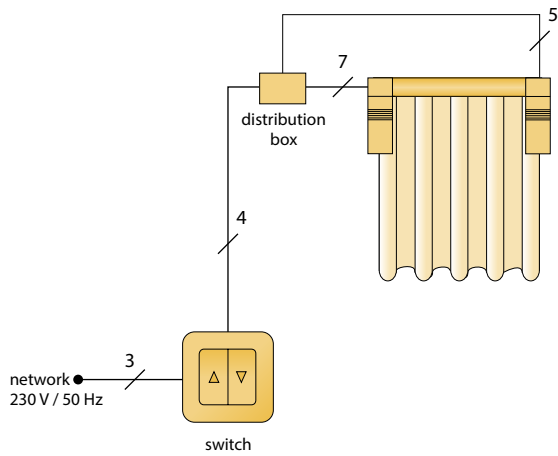
## LOAD TABLES 45 W/45 WT (TANDEM)



## SINGLE OPERATION WITH SWITCH MOTOR 230 V



## SINGLE OPERATION WITH TANDEM MOTORS 230 V

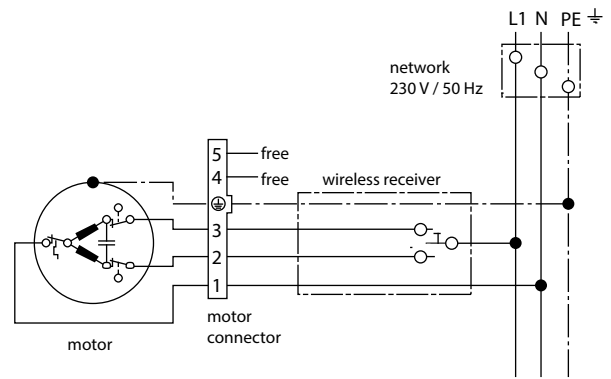
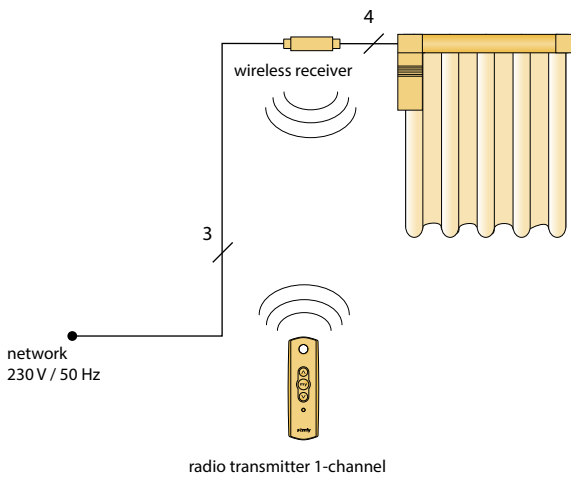


Other circuit diagrams available on request.

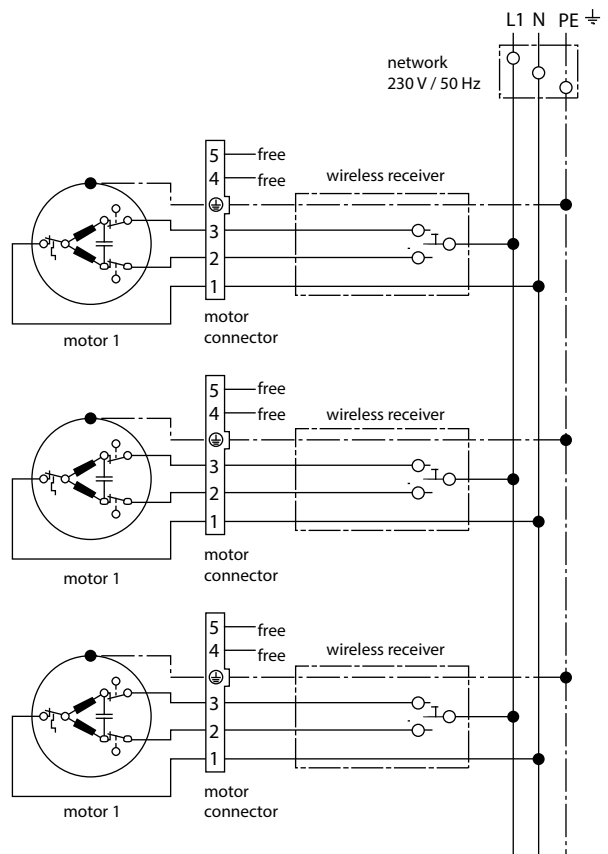
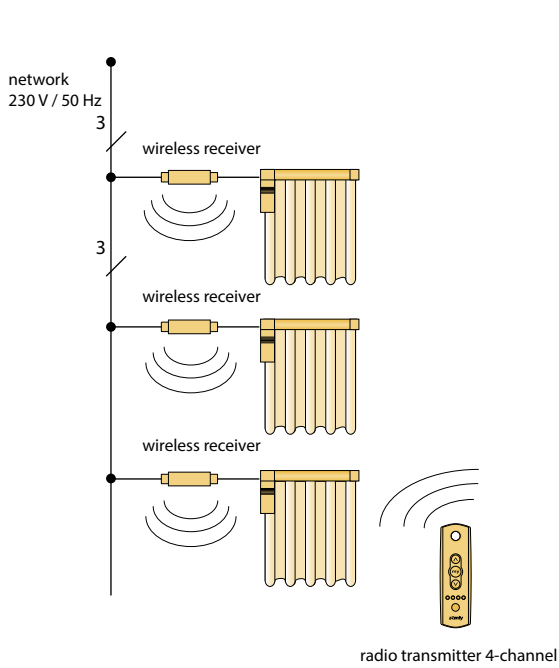
# Motor-operated rail 9500/9550

Aluminium rails

SINGLE REMOTE CONTROL MOTOR 230 V WITH SOMFY WIRELESS RECEIVER

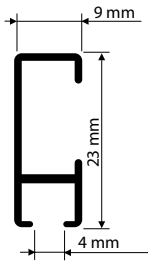


GROUP REMOTE CONTROL MOTOR 230 V WITH SOMFY WIRELESS RECEIVER



Other circuit diagrams available on request.

## System 2200



### PRODUCT FEATURES

- Extra sturdy profile with smooth look
- Wall fixation
- For professional picture presentation
- Subsequent installation of cords for hanging pictures possible
- Track width 4 mm
- Bearing length 6 m

### AVAILABLE COLOURS



White (RAL 9016)



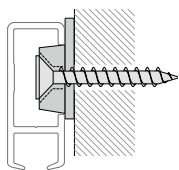
Silver (anodized)

### STANDARD COMPONENTS



Refer to **Accessories** for the exact designation of standard components.

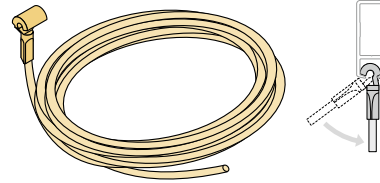
### ASSEMBLY OPTIONS



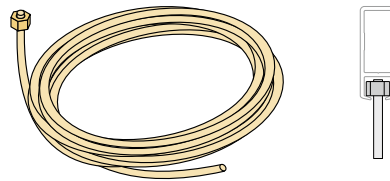
### PICTURE SETS

#### Picture set consisting of:

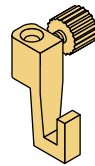
- Picture hook
- Glider with nylon cord (1.5 or 2.5 m)



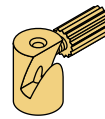
Hook glider "Cobra" with nylon cord 2 mm



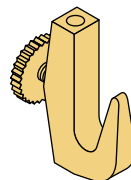
Hexagon glider with nylon cord 2 mm



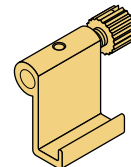
Picture hook 4 kg



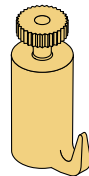
Picture hook 5 kg



Picture hook 7 kg



Picture hook 10 kg

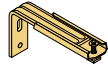


Picture hook 15 kg

# Accessories

## Aluminium rails

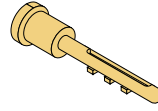
### LIST OF WALL FIXING BRACKETS



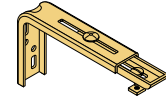
60 - 110 mm



50, 70, 90, 160 mm



Short 95 mm  
Long 165 mm



Short 105 - 160 mm  
Long 150 - 240 mm

	60 - 110 mm	50, 70, 90, 160 mm	Short 95 mm Long 165 mm	Short 105 - 160 mm Long 150 - 240 mm
 3600		✓		
 3700	✓	✓	✓	
 5100	✓		✓	✓
 5200				✓
 8100				✓
 9500				✓
 9550				✓
 4300	✓		✓	✓
 4400			✓	✓
 4500			✓	✓
 2200	✓	✓	✓	

Only 4520



# Accessories

## Aluminium rails

### LIST OF GLIDERS



**A6 Teflon glider with pleat hook**

**A6 Teflon glider with rotatable pleat hook**

**A6 Teflon glider with eyelet for G & double hook**

**A6 In-Out glider with pleat hook**

3600		✓	✓	✓	✓
3700		✓	✓	✓	✓
4850		✓	✓	✓	✓
5100		✓	✓	✓	✓
5200					
5500					
8100					
9500					
9550					
4100		✓	✓	✓	✓
4300		✓	✓	✓	✓
4400		✓	✓	✓	✓
4500		✓	✓	✓	✓
4600		✓	✓	✓	✓





# Accessories

## Aluminium rails



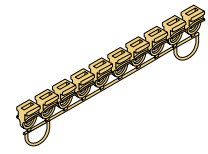
A6 Clic glider with short pleat hook



A6 Clic glider with long pleat hook



A6 Clic glider with eyelet for G & double hook



A6 object glider in row with 10 pieces each

3600	
3700	
4850	
5100	
5200	
5500	
8100	
9500	
9550	
4100	
4300	
4400	
4500	
4600	

	A6 Clic glider with short pleat hook	A6 Clic glider with long pleat hook	A6 Clic glider with eyelet for G & double hook	A6 object glider in row with 10 pieces each
3600	✓	✓	✓	✓
3700	✓	✓	✓	✓
4850	✓	✓	✓	✓
5100	✓	✓	✓	✓
5200				
5500				
8100				
9500				
9550				
4100	✓	✓	✓	✓
4300	✓	✓	✓	✓
4400	✓	✓	✓	✓
4500	✓	✓	✓	✓
4600	✓	✓	✓	✓



A6 object glider

A6 glider with metal hook

Roll with turnable eyelet

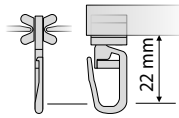
Heavy-duty roll

3600		✓	✓		
3700		✓	✓		
4850		✓	✓		
5100		✓	✓		
5200					
5500		✓			
8100				✓	✓
9500				✓	✓
9550				✓	✓
4100		✓	✓		
4300		✓	✓		
4400		✓	✓		
4500		✓	✓		
4600		✓	✓		

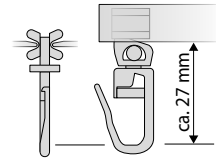
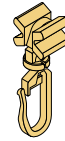
# Accessories

Aluminium rails

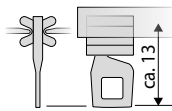
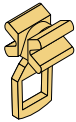
## Accessories



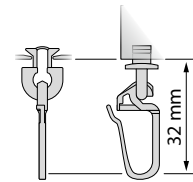
**A6 Teflon glider with pleat hook**  
for 6 mm aluminium rail, plastic, white



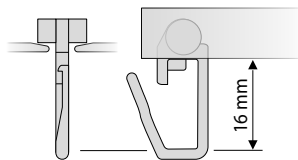
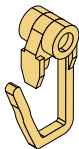
**A6 Teflon glider with rotatable pleat hook**  
for 6 mm aluminium rail, plastic, white



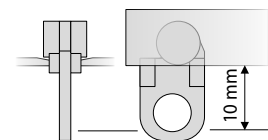
**A6 Teflon glider with eyelet for G & double hook**  
for 6 mm aluminium rail, plastic, white



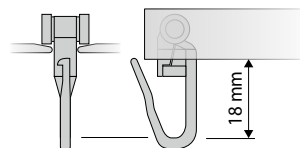
**A6 In-Out glider with pleat hook**  
for 6 mm aluminium rail, plastic, white



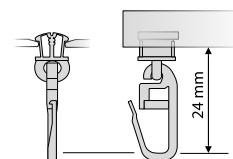
**A6 object roll with pleat hook**  
for 6 mm aluminium rail, plastic, white



**A6 object roll with eyelet for G & double hook**  
for 6 mm aluminium rail, plastic, white



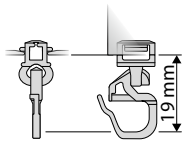
**A6 roll with pleat hook**  
for 6 mm aluminium rail, plastic, white



**A6 switch glider with short pleat hook**  
for 6 mm aluminium rail, plastic, white



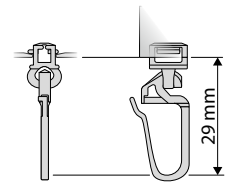
Clic™  
DAS ORIGINAL



**A6 Clic glider with short pleat hook**  
for 6 mm aluminium rail, plastic, white



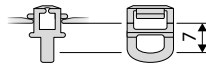
Clic™  
DAS ORIGINAL



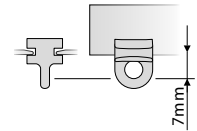
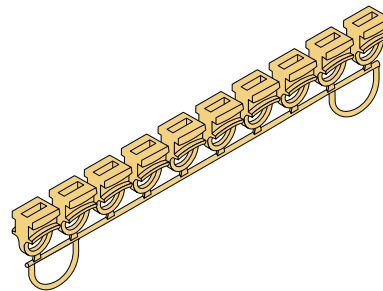
**A6 Clic glider with long pleat hook**  
for 6 mm aluminium rail, plastic, white



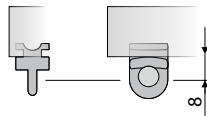
Clic™  
DAS ORIGINAL



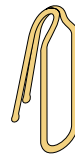
**A6 Clic glider with eyelet for G & double hook**  
for 6 mm aluminium rail, plastic, white



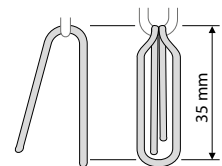
**A6 object glider in row with 10 pieces each**  
for 6 mm aluminium rail, plastic, white



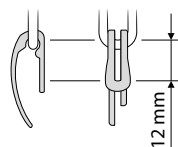
**A6 object glider**  
for 6 mm aluminium rail, plastic, white



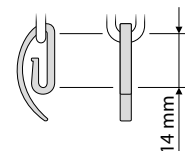
**Double hook, metal**  
Metal, silver



**Double hook**  
Plastic, white



**G hook**  
Plastic, white

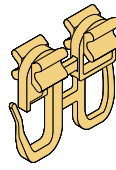
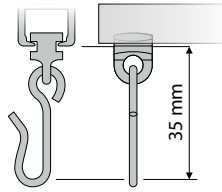


# Accessories

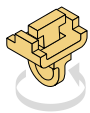
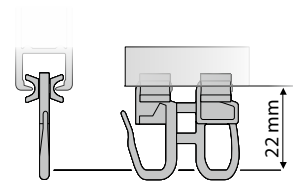
## Aluminium rails



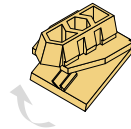
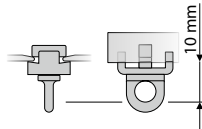
**A6 glider with metal hook**  
for 6 mm aluminium rail, plastic-metal, white-silver



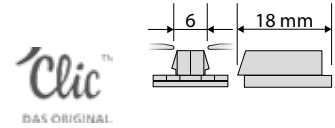
**A6 draw bar glider with pleat hook**  
for 6 mm aluminium rail, plastic, white



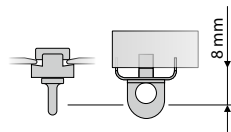
**A6 adjuster**  
for 6 mm aluminium rail, plastic, white



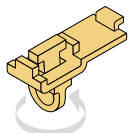
**A6 Clic adjuster**  
for 6 mm aluminium rail, plastic, white



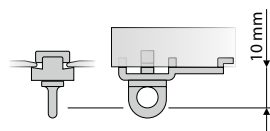
**A6 adjuster with metal plate**  
for 6 mm aluminium rail, plastic-metal, white-silver

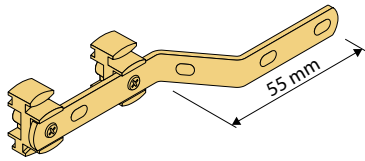


**A6 adjuster with metal plate**  
for 6 mm aluminium rail, metal, silver



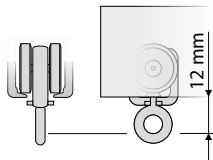
**A6 end adjuster**  
for 6 mm aluminium rail, plastic, white



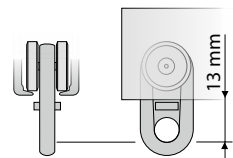


**Crossing with metal arm**  
for 6 mm aluminium rail, plastic-metal, white-silver

OTHER TRACK WIDTH



**Roll with turnable eyelet**  
with steel axle, can only be combined with metal double hook, plastic, light grey



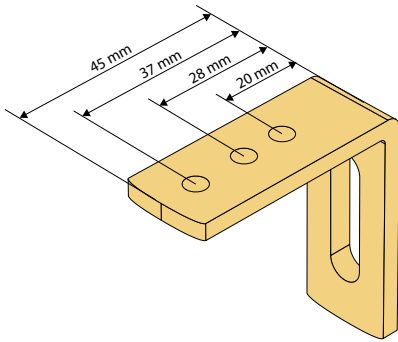
**Heavy-duty roll**  
with steel axle, can only be combined with metal double hook, plastic, light grey

# Accessories

Aluminium rails

## WALL FIXING BRACKETS

**Wall fixing bracket 50 mm**



**Wall fixing bracket metal 50 mm**

Available in white and silver

**Wall fixing bracket metal 70 mm**

Available in white and silver

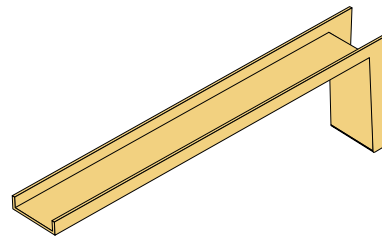
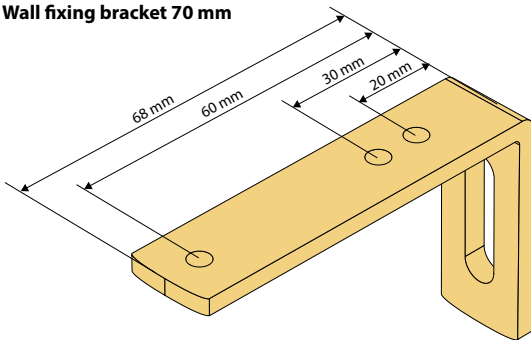
**Wall fixing bracket metal 90 mm**

Available in white and silver

**Wall fixing bracket metal 160 mm**

Available in white and silver

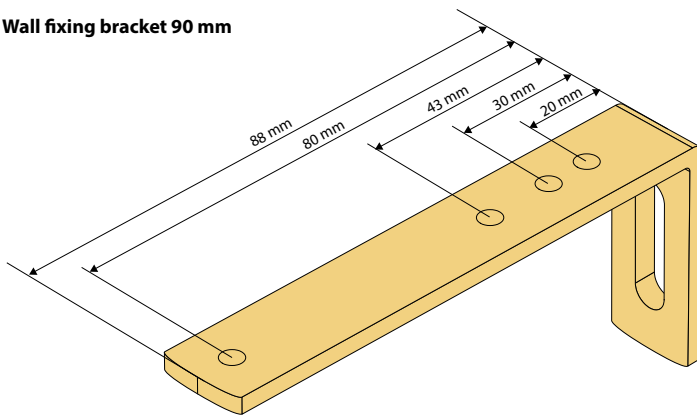
**Wall fixing bracket 70 mm**



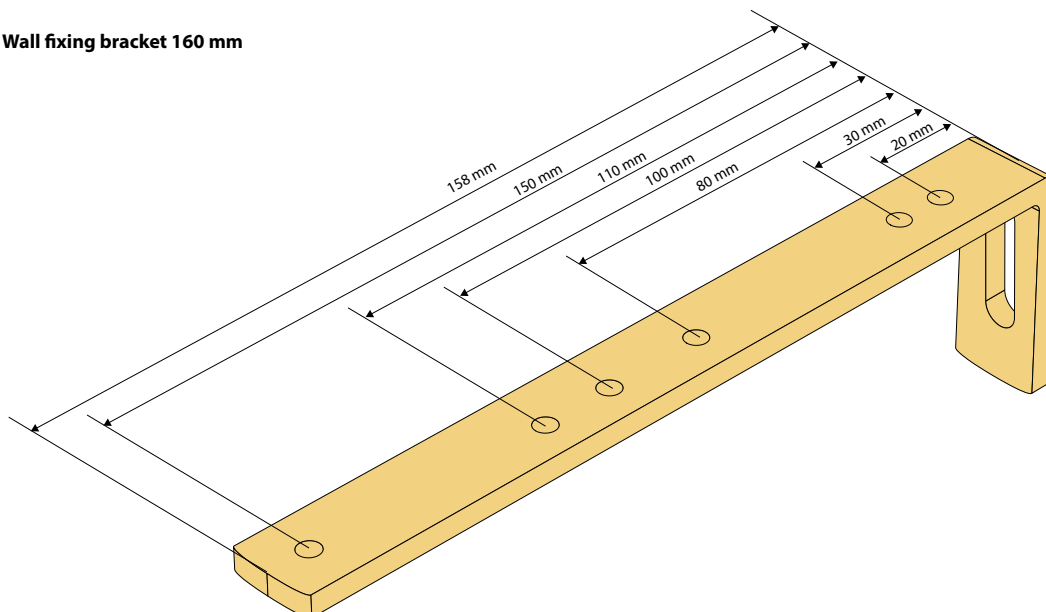
**Cover for wall fixing bracket**

Plastic, available in white and grey

**Wall fixing bracket 90 mm**



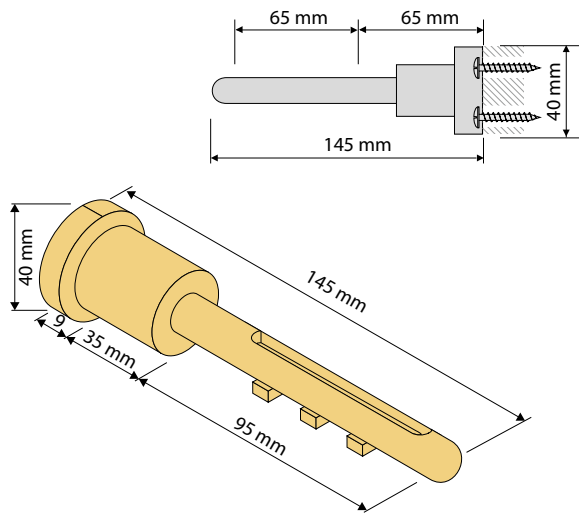
**Wall fixing bracket 160 mm**





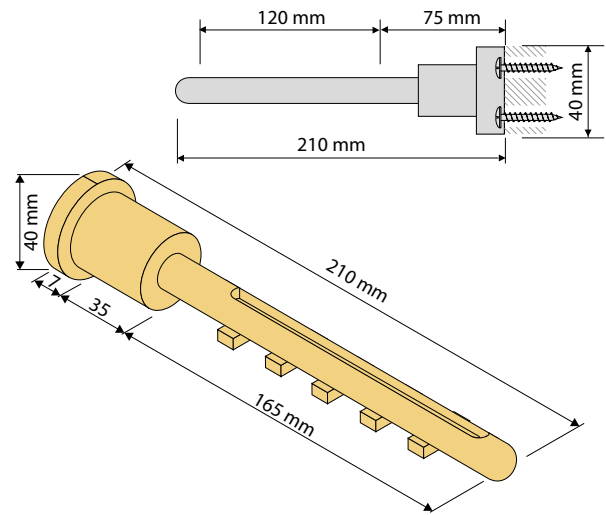
# Accessories

## Aluminium rails



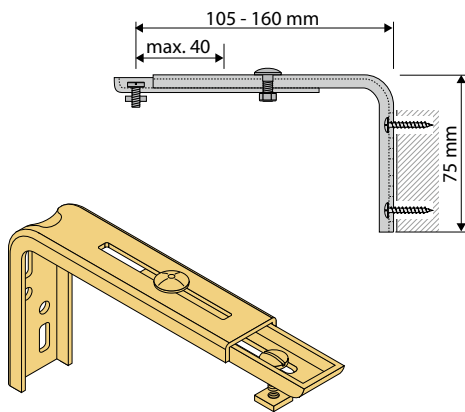
### Wall fixing bracket "Multi" short

can be shortened, aluminium, available in white, brass matte, silver, stainless steel coloured



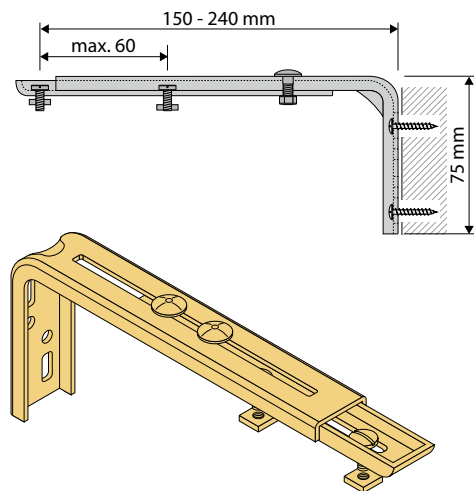
### Wall fixing bracket "Multi" long

can be shortened, aluminium, available in white, brass matte, silver, stainless steel coloured



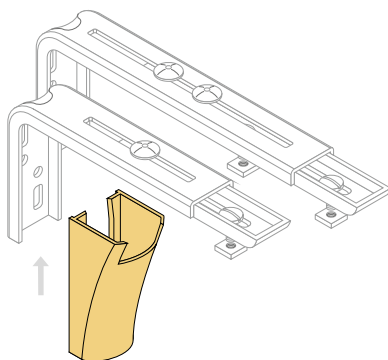
### Wall fixing bracket

adjustable 105-160 mm, metal, available in white and silver



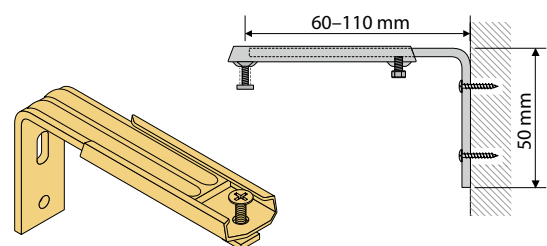
### Wall fixing bracket

adjustable 150-240 mm, metal, available in white and silver



### Cover cap

for wall fixing bracket, plastic, available in white and grey



### Wall fixing bracket

adjustable 60-110 mm, metal, available in white and silver

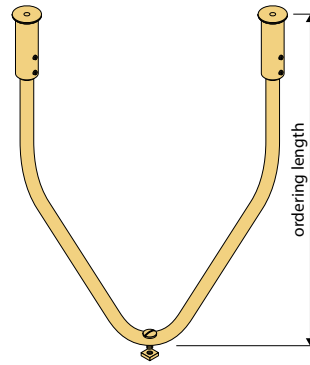
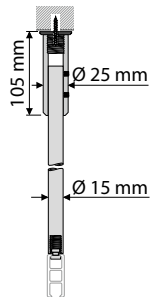
# Accessories

## Aluminium rails



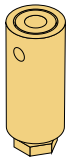
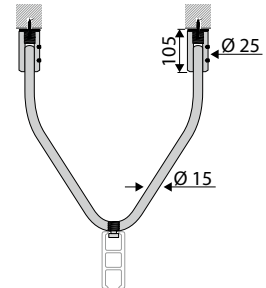
### Hanger wire Ø 15

min. height to be ordered: 105 mm, metal, available in white and silver



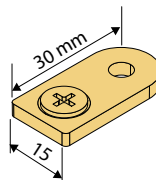
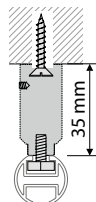
### V hanger wire Ø 15

min. height to be ordered: 300 mm, metal, available in white and silver



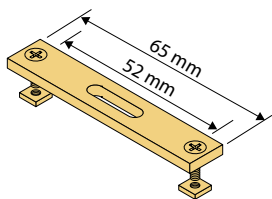
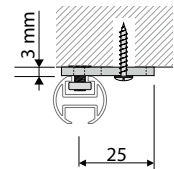
### Ceiling fixing bracket 30 mm

Metal, available in white and silver



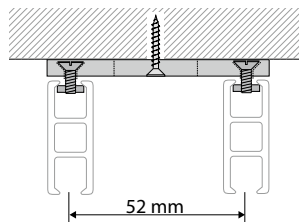
### Ceiling fixing bracket

Metal, available in white and silver



### Double carrier

Metal, available in white and silver

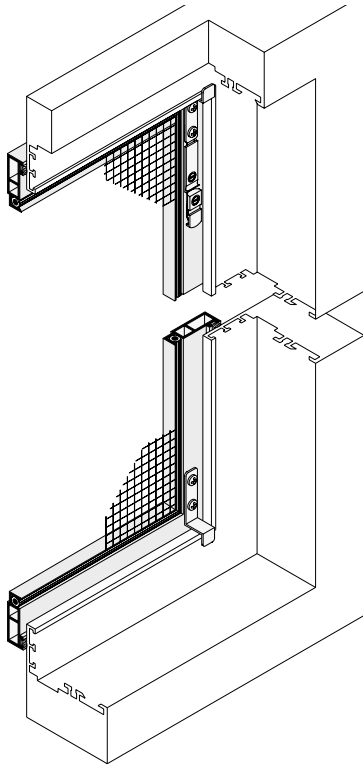




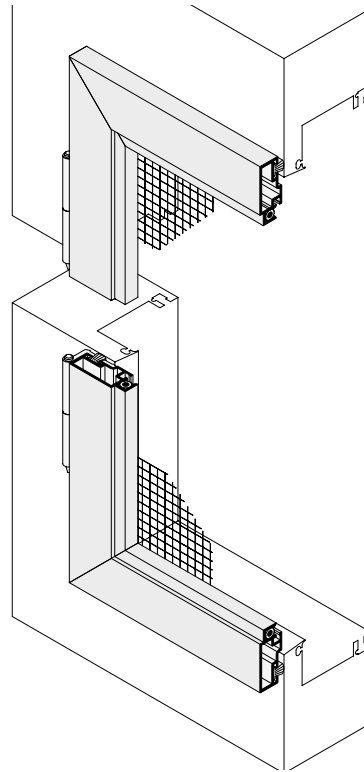
# List of products

## Insect screens

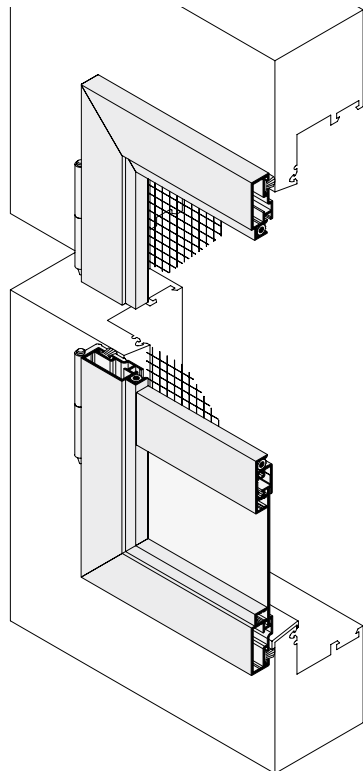
### FRAMED INSECT SCREEN FOR WINDOWS



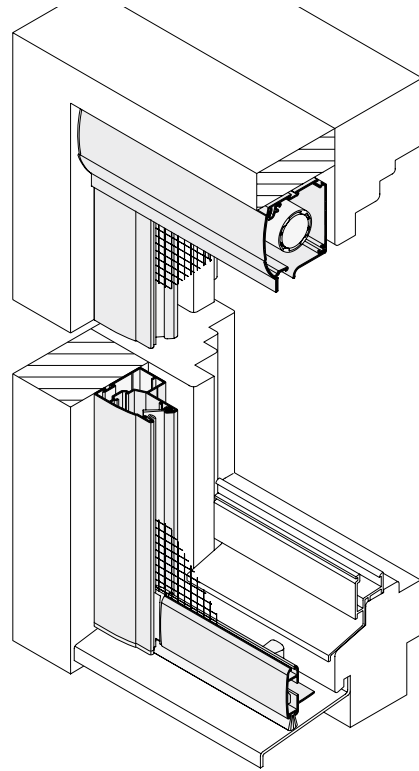
### HINGED SCREEN FOR WINDOWS



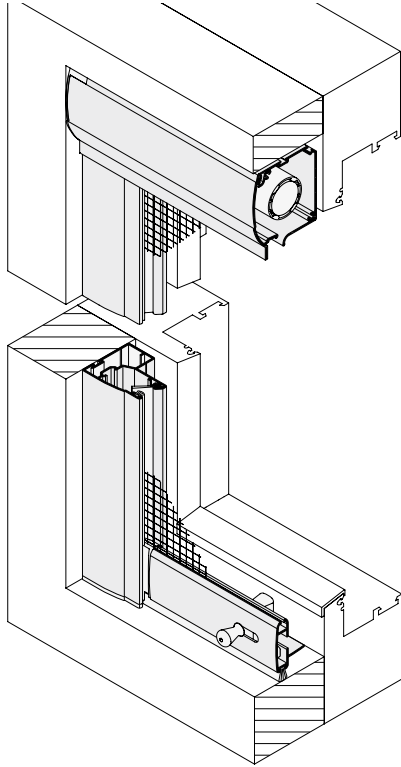
### HINGED SCREEN FOR DOORS



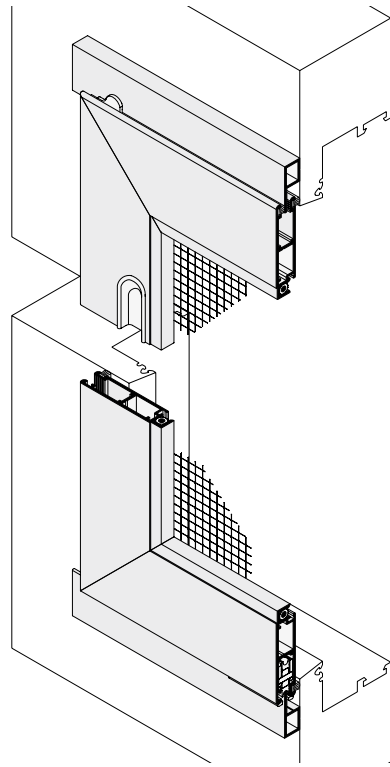
### ROLL-UP SCREEN FOR WINDOWS



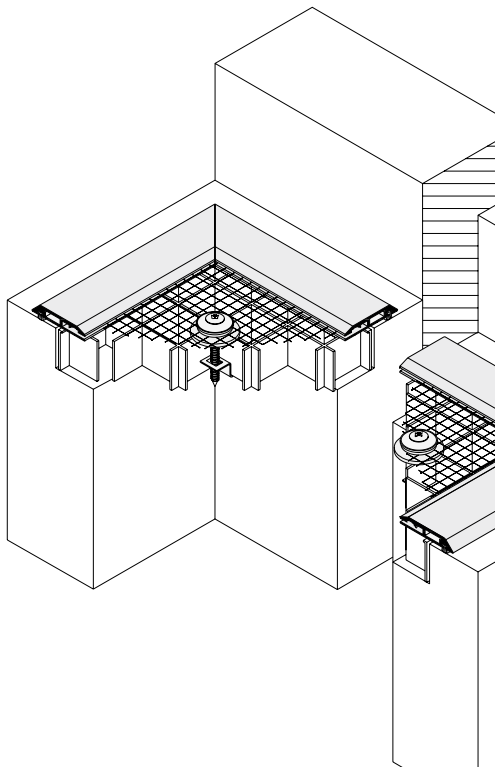
ROLL-UP SCREEN FOR DOORS



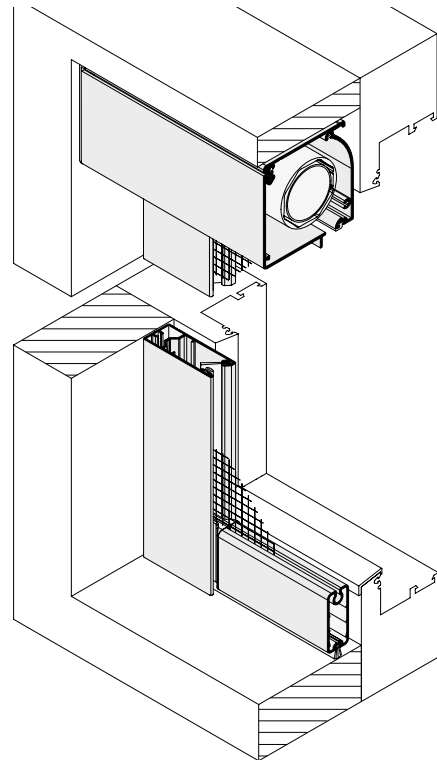
ROLL-AWAY SCREEN FOR DOORS



LIGHT WELL COVERS



ELECTRIC ROLL-UP SCREENS FOR WINDOWS AND DOORS

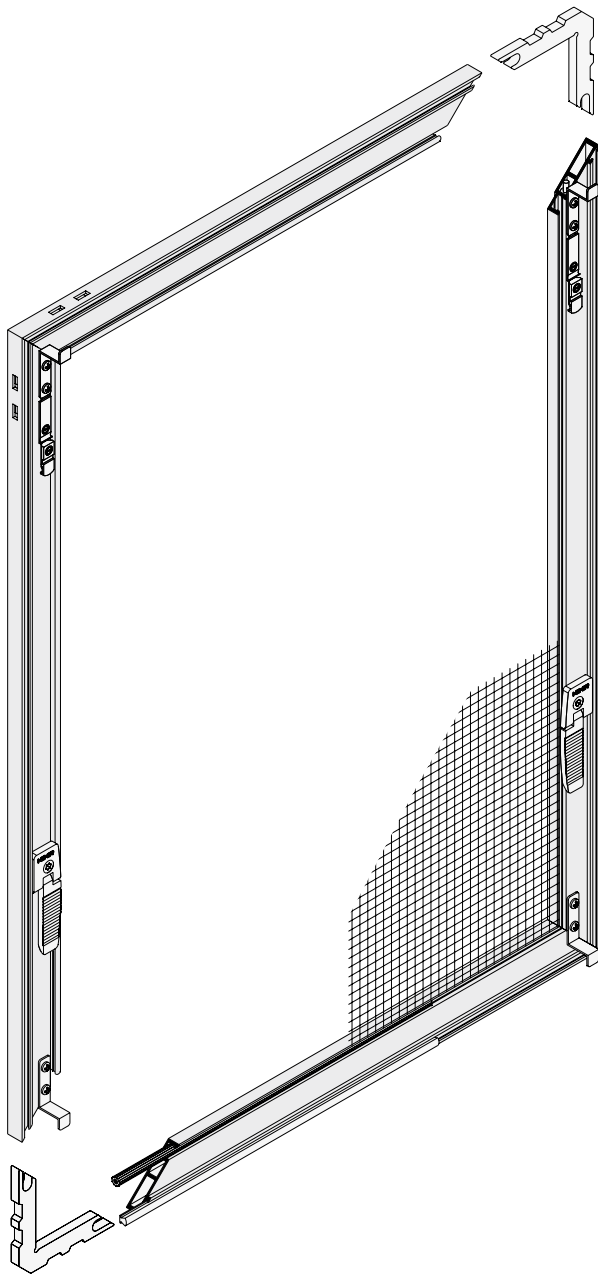


# Framed insect screen for windows

Insect screens

## Framed screen SP2 spring-supported (Variant SP2/1 shown)

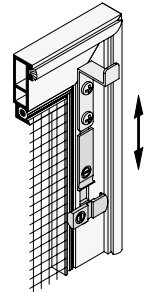
### WITH SCREW PLATES



### FIXATION: SPRING-LOADED PLATE

The upper spring holder presses the stainless steel plate against the cover frame rebate. This ensures that the framed screen fits tight and does not rattle in the window.

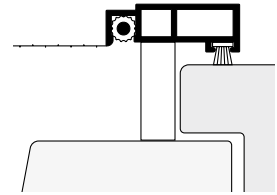
The framed screen can be secured in addition with a locking device at the spring holder.



### SEALING

The framed screen has a PP brush pile seal inside towards the cover frame. Various brush sizes can compensate unevenness, e.g. frame offset etc.

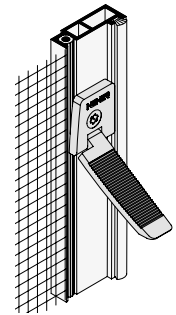
The PP brush pile seal also protects the window against scratches and prevents rattling in strong winds.



### HANDLE

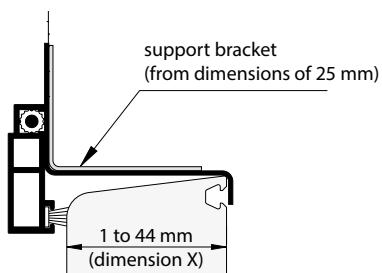
The internal hinged handle is made of a special plastic material that is extremely resistant to breaking.

The easy-to-use handle is available in 6 standard colours, is delivered colour-matched to the frame colour and it is not visible from the outside.



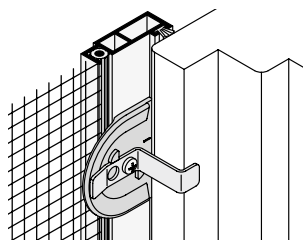
### EXTENSION BRACKET

The extension bracket is used to bridge even cover frame rebates up to 44 mm.



### SIDE RETENTION

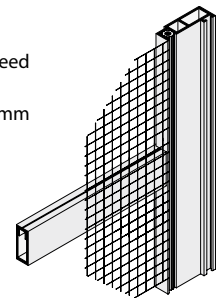
The framed screens of the SP2 series can be equipped with a side retention if required.



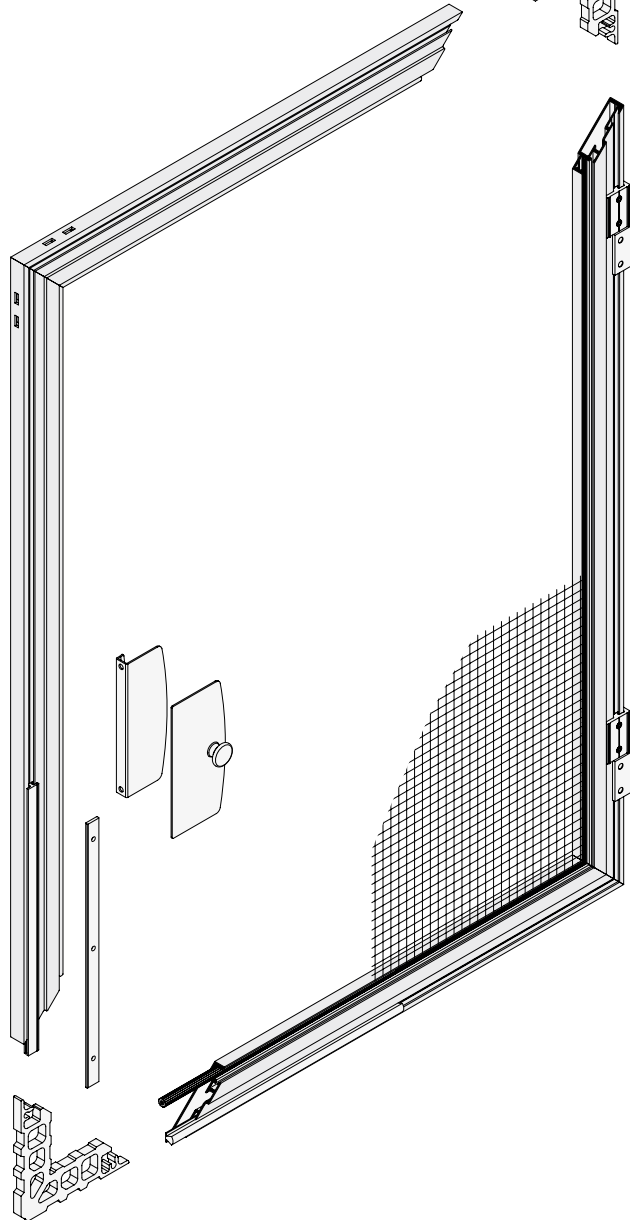
### BAR FROM 1500 mm HEIGHT/WIDTH

From a height/width of 1500 mm, a bar can be used for mesh reinforcement that does not split the mesh.

If requested, the bar need not be installed with a height/width of 1500 mm to 1900 mm (series SP4/...).

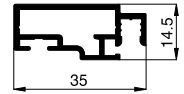


## Hinged screens for windows DF3 and DF4 (Variant DF3/1 shown)

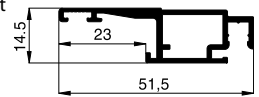


### SCREEN PROFILES

The extra sturdy curved contour profile 10 35 02 is used for the hinged screen of the DF3 series.

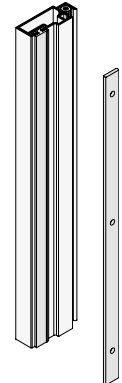


The profile 10 36 04 that is also very robust is used for the hinged screen of the DF4 series.



### CLOSURE

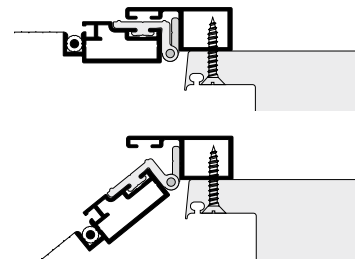
A concealed double-sided magnetic strip (with frame for mounting) or a magnetic strip with a stainless steel strip as a counterpart (without frame) is used as a closure. This ensures that the hinged screen will fit tightly even on slightly distorted windows.



A self-adhesive magnetic strip can also be used instead of the counterpart stainless steel strip.

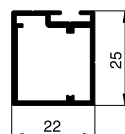
### HINGED SCREEN FOR OPENING TO THE INSIDE

The mounting frame 10 35 21 can be used to install hinged screens opening to the inside.



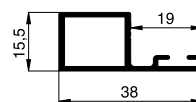
### THE MOUNTING FRAME 10 35 31

If the installation space is cramped so that neither the hinged screen without mounting frame nor the hinged screen with mounting frame 10 35 21 can be used, the hinged screen with mounting frame 10 35 31 must be used. It is installed from outside to the reveal or directly on the roller blind guide channel and there it can be sealed.



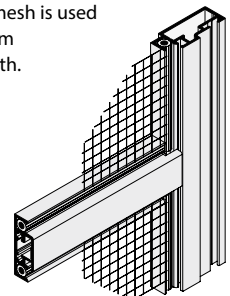
### THE MOUNTING FRAME 10 35 21

The mounting frame 10 35 21 has a slim design so that it can even be installed between the window and the roller blind guide channel.



### BAR FROM 1800 mm HEIGHT/WIDTH

A bar that splits the mesh is used for reinforcement from 1800 mm height/width.

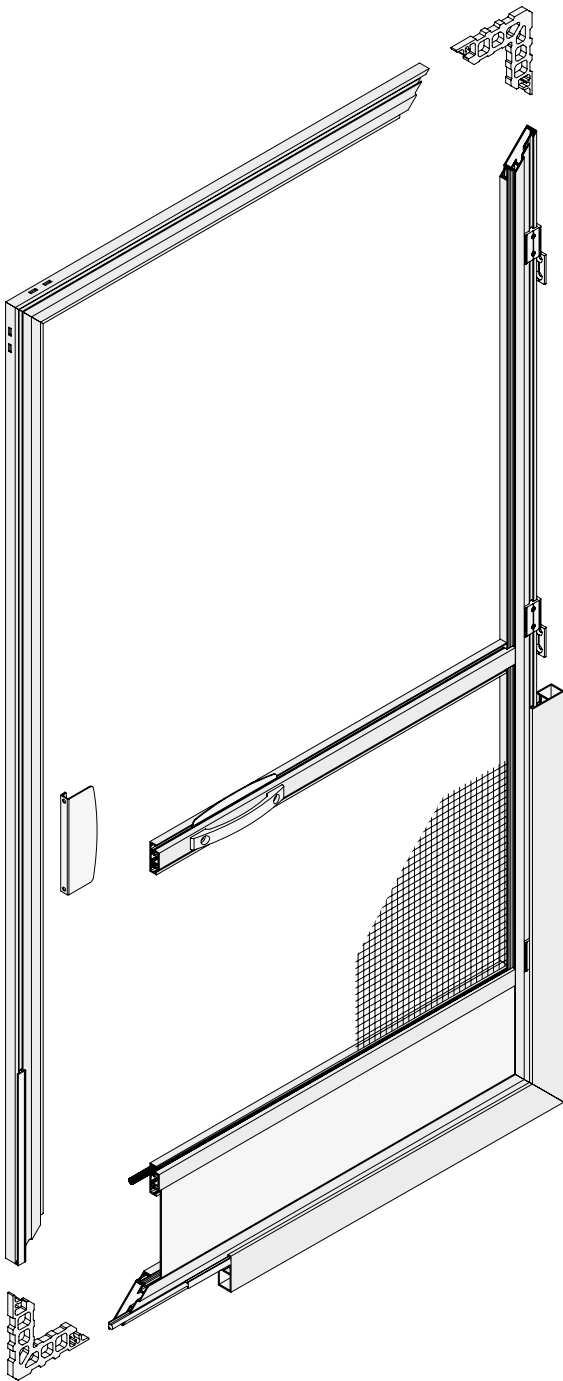




# Hinged screen for doors

Insect screens

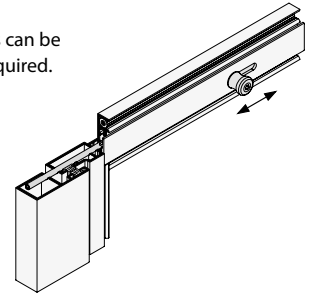
## Hinged screen for doors DT3 (Variant DT3/5 shown)



### SLIDING CLOSURE

The hinged screens of the DT3 series can be equipped with a sliding closure if required.

It can be operated from the inside, outside or both.



### CAT AND DOG FLAP

The hinged screens for doors of the DT3 series can be equipped with a cat or dog flap whose installation measures do not change.

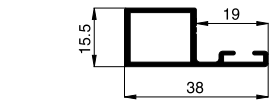


### MOUNTING FRAME

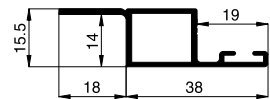
Several mounting frames are available for the hinged screen of the DT3 series.

This allows installing the hinged screen either between the door and roller blind guide channel or directly to the reveal even under difficult installation conditions.

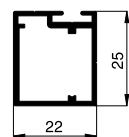
The hinged screen can also be opened to the inside if desired.



10 35 21



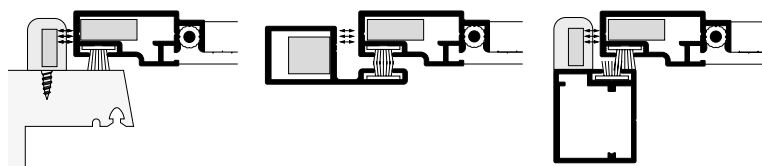
10 35 24



10 35 31

### HINGED SCREEN WITH BRUSH PILES

All hinged screens of the DT3 series are also available with brush piles. Magnetic effect is obtained through block magnets on the front side that are installed inside the respective profiles or in a special magnet holder.



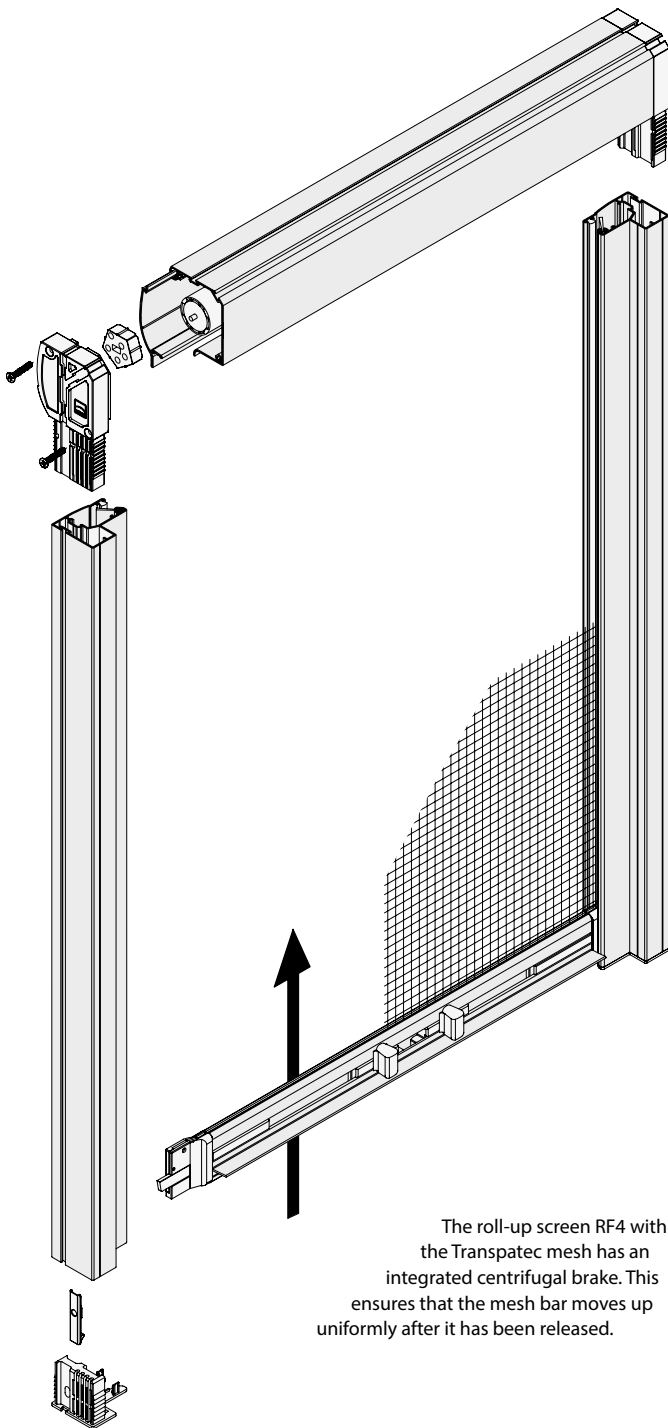
### DOOR CLOSER

On request, the hinged screen door can also be equipped with a door closer with a gas-pressure cylinder or with a door closer with a torsion bar spring.





## Roll-up screens for windows RF4 (Variant RF4/2 shown)



The roll-up screen RF4 with the Transpatec mesh has an integrated centrifugal brake. This ensures that the mesh bar moves up uniformly after it has been released.

### MESH UNWINDING EDGE

The mesh unwinding edge ensures that the fabric is always thoroughly stretched and insects cannot slip through at the mesh roll.

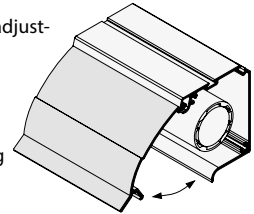
Additionally, the central position of the mesh provides space for the handle (easy operation even under cramped installation conditions).

### HINGED SERVICE COVER

The cover of the screen roll case can be easily folded out even in its installed position.

This allows removing the mesh tube or readjusting the spring with a special pretensioner.

The height adjustment disk is used to adjust the tilt of the mesh tube (compensation of inaccuracies that occurred during installation).

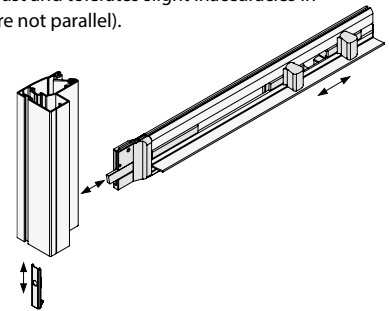


### HANDLE WITH INTEGRATED LOCK

The handle is designed for one-hand operation with horizontal spring lock, the counterpart of which can be adjusted in height.

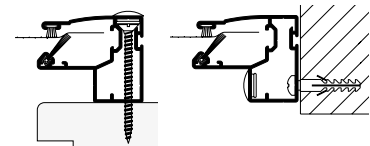
This technology is very robust and tolerates slight inaccuracies in installation (guiding rails are not parallel).

In addition, no space for downward motion is required for unlocking (mounting on window sill).



### LATERAL GUIDING RAILS

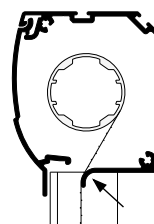
The extra strong guiding rail has separate installation pockets. This makes installation considerably easier.



### ADDITIONAL LOCKING POINT

Another lock counterpart provides for another locking point.

This prevents that the mesh roll accidentally moves outside reach. Alternatively, a control rod or pull cord can be used.

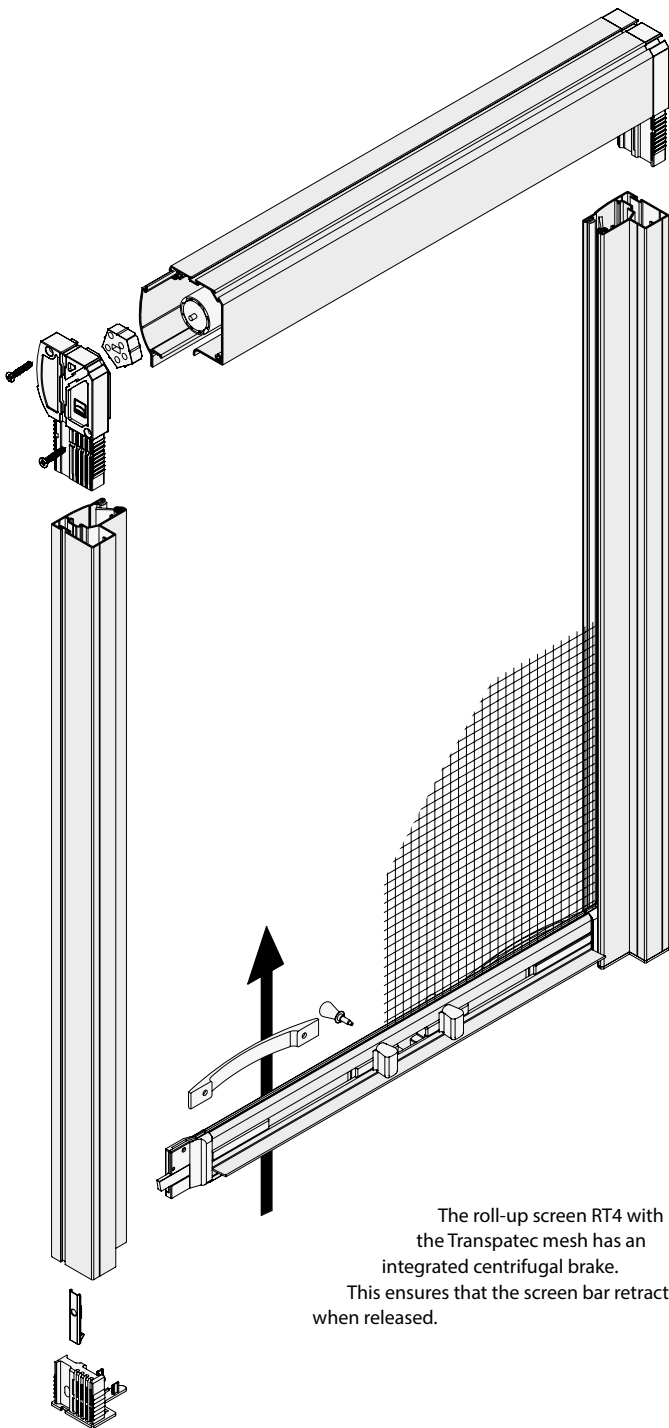


# Roller blind insect screens for doors

Insect screens

## Roll-up screens for doors RT4

(Variant RT4/2 shown)



The roll-up screen RT4 with the Transpatec mesh has an integrated centrifugal brake. This ensures that the screen bar retracts when released.

### MESH UNWINDING EDGE

The mesh unwinding edge ensures that the mesh is always thoroughly stretched and insects cannot slip through at the mesh roll.

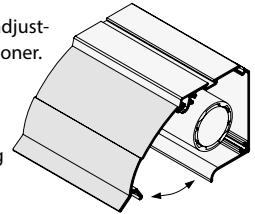
Additionally, the central position of the mesh provides space for the handle (easy operation even under cramped installation conditions).

### HINGED SERVICE COVER

The cover of the screen roll case can be easily folded out even in its installed position.

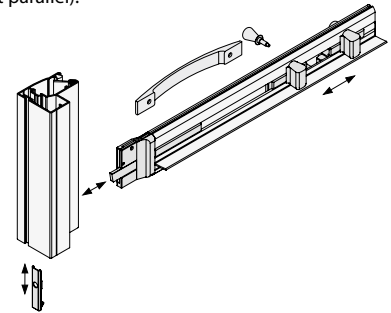
This allows removing the mesh tube or readjusting the spring force with a special pretensioner.

The height adjustment disk is used to adjust the tilt of the mesh tube (compensation of inaccuracies that occurred during installation).



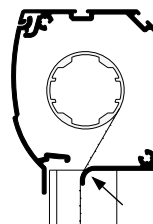
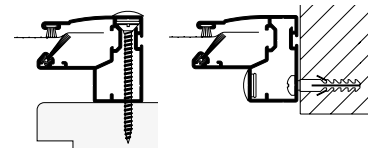
### HANDLE WITH INTEGRATED LOCK

The handle is designed for one-hand operation inside or outside with horizontal spring lock whose counterpart can be adjusted in height. This technology is very robust and tolerates slight inaccuracies in installation (guiding rails are not parallel).



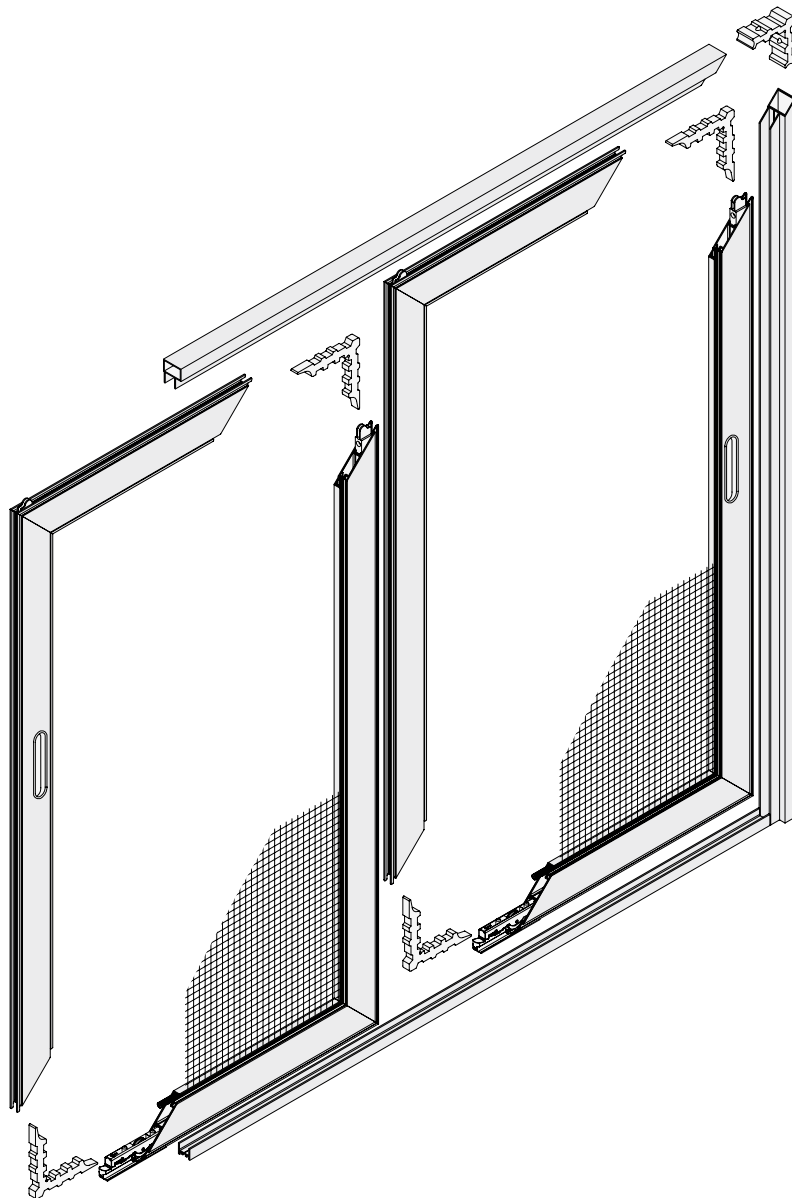
### SIDE GUIDING RAILS

The extra strong guiding rail has separate installation pockets. This makes installation considerably easier.



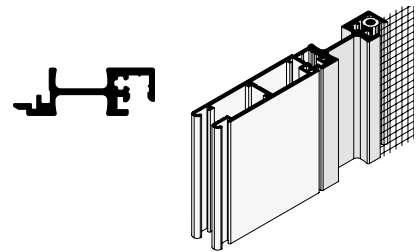
## Sliding screens ST3

(Variant ST3/50 shown)



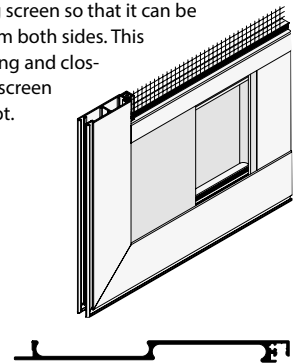
### HANDLE STRIP

The handle strip can be used as an alternative for the handle recess. This considerably increases the screen profile stability. It permits installation of roll-away screens up to 3.0 m high. Due to the continuous handle the sliding screen can be operated easily at any height making them ideal for children. The slim track rail profile allows 14 mm installation depth.



### FOOT OPERATION RECESS

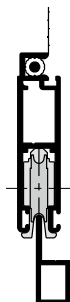
A foot operation recess can be installed in connection with a footplate on both sides of the sliding screen so that it can be operated from both sides. This allows opening and closing a sliding screen with your foot.



### HEIGHT-ADJUSTABLE ROLL WITH TRACK RAIL GUIDE

To compensate installation tolerances, the sliding screen can be adjusted with the help of a height-adjustable roll. Up to 8 mm offset of the screen joint can be compensated.

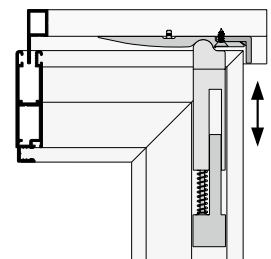
The track rail guiding integrated in the roll prevents "jumping" of the screen in which the track rail strip gets jammed between the roll and the screen profile.



### SPRING-SUPPORTED ROLL-AWAY SCREEN GUIDE WITH LOCK

The spring-supported sliding screen guide and the lock that is mounted to the top guiding rail hold the sliding screen in its limit position.

This retaining force can be adjusted steplessly.

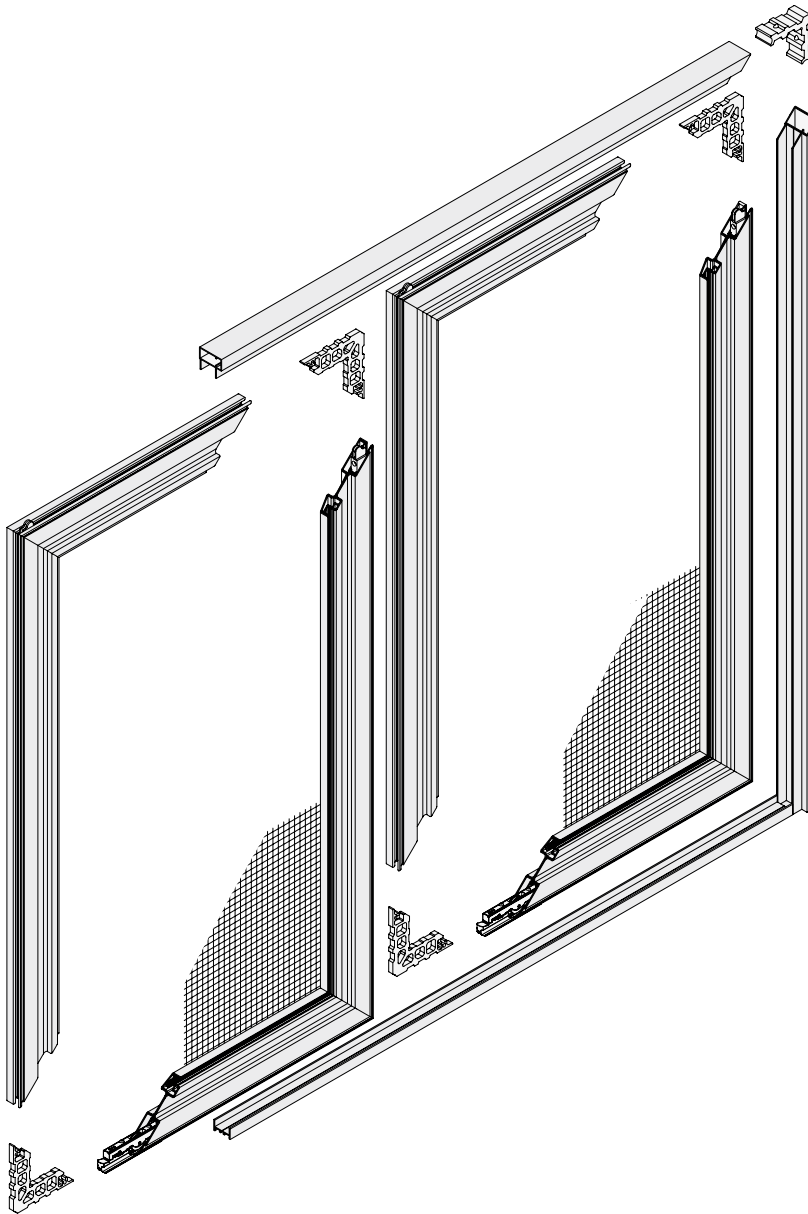


# Sliding screens for doors

Insect screens

## Sliding screens ST4

(Variant ST4/50 shown)

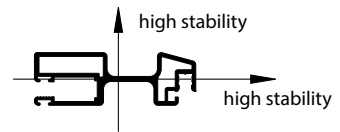


### INTEGRATED HANDLE STRIP

A handle strip is integrated in the sliding screen. The corner channel installed at the side of the trail rack adds to the high stability of the profile, in lateral and longitudinal direction.

This allows installation of roll-away screens up to 3.5 m high.

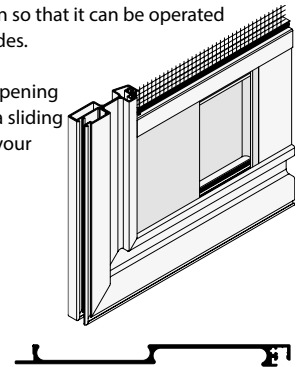
Due to the continuous handle the sliding screen can be operated easily at any height making them ideal for children.



### FOOT OPERATION RECESS

A foot operation recess can be installed in connection with a footplate on both sides of the sliding screen so that it can be operated from both sides.

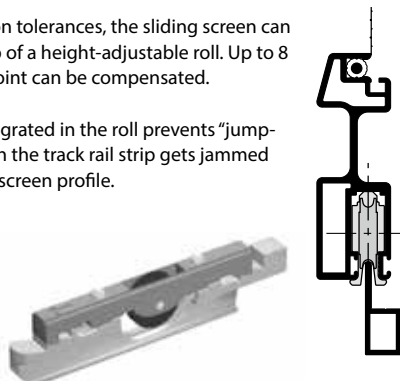
This allows opening and closing a sliding screen with your foot.



### HEIGHT-ADJUSTABLE ROLL WITH TRACK RAIL GUIDE

To compensate installation tolerances, the sliding screen can be adjusted with the help of a height-adjustable roll. Up to 8 mm offset of the screen joint can be compensated.

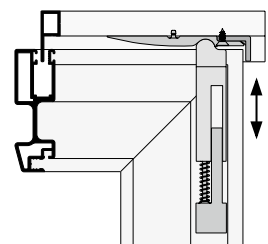
The track rail guiding integrated in the roll prevents "jumping" of the screen in which the track rail strip gets jammed between the roll and the screen profile.



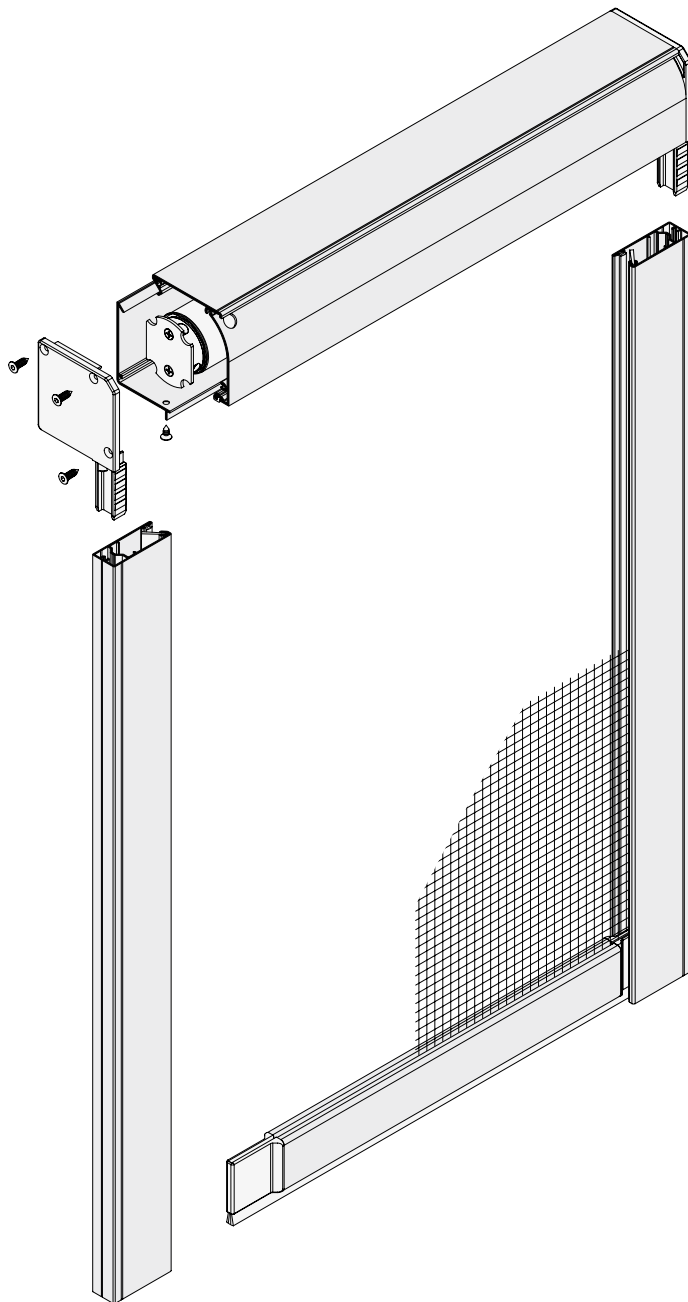
### SPRING-SUPPORTED ROLL-AWAY SCREEN GUIDE WITH LOCK

The spring-supported sliding screen guide and the lock that is mounted to the top guiding rail hold the roll-away screen in its limit position.

This retaining force can be adjusted steplessly.

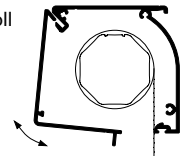


**Electric roll-up screens ER1** (Variant ER1/2 shown)

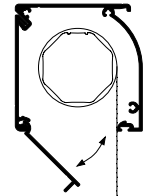


**HINGED SERVICE COVER**

The cover of the screen roll case can be easily folded out even in its installed position.



When the roller blind screen case is installed in a recess, a split cover is used.



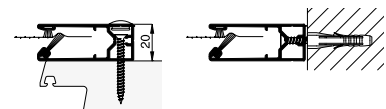
With both cover types, the mesh roll can be removed when the case is installed. This allows easy maintenance of the mesh and motor.

**HIGH-SPEED MOTOR WITH SAFETY FEATURES**

The high-speed motor (70 rpm) is available with and without radio control. The motor is equipped with a safety feature for hitting an obstacle in the downward movement. That means when the mesh bar hits an obstacle the motor stops, reverses a bit (override function) and stops again. The motor excels by its silent operation and soft deceleration.

**SIDE GUIDING RAILS**

The mesh is guided by the brush pile system that has been tried and tested for many years now. With 20 mm the guide channel is still slim and has a separate installation pocket.

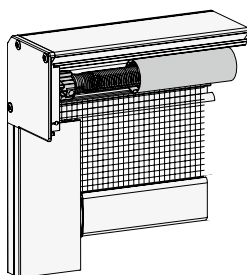


**MECHANICAL TYPE**

The electric roll-up screen ER1 can also be equipped with a spring-supported tube.

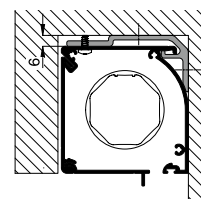
This allows using the ER1 screen both for windows and doors either operated electrically (tube motor) or mechanically (spring-supported tube). Both versions can be retrofitted.

Therefore, this universal roller blind screen system is easy to plan.



**EASY INSTALLATION**

The mesh roll case is self-supporting on the guiding rails up to 1500 mm width. For large units or separate case installation a mounting plate is provided where the case is hooked in and can be screwed (without drilling).



# Light well covers

Insect screens

## Light well covers LI1 LiSA (Variant LI1/1 shown)

### PROFILE / MESH FIXATION

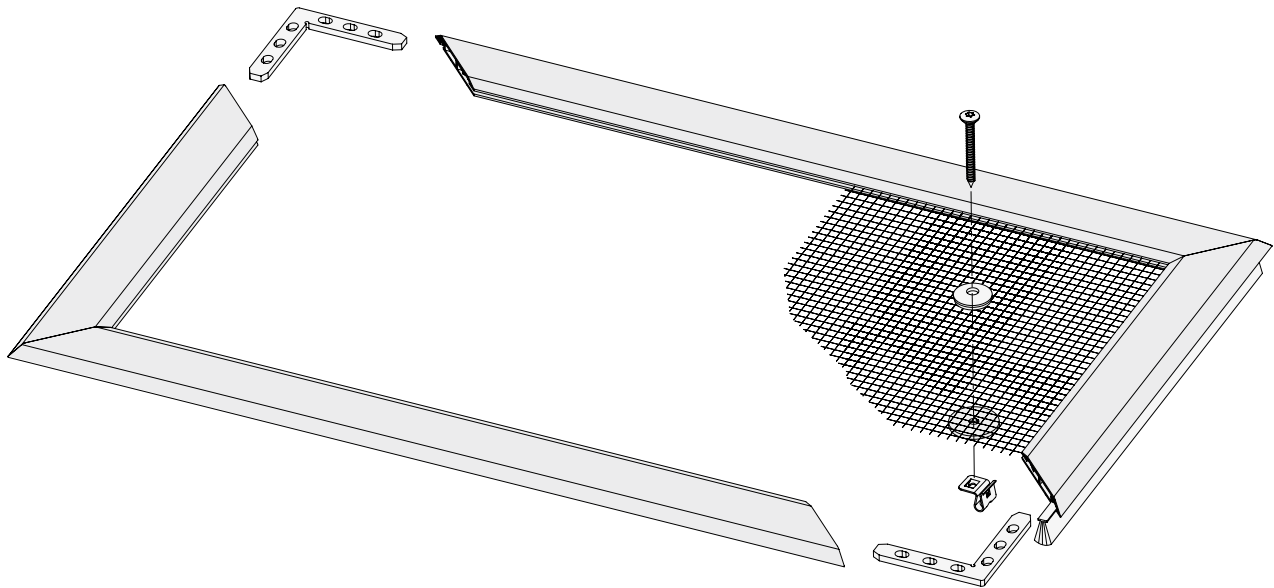
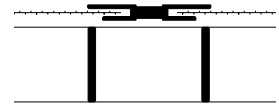
The frame profile, only 6.5 mm high, with special reinforcement has a 45° chamfer to the outside. This edge design reduces the risk of stumbling.

The mesh is fixed with the profile. Thus it is fixed permanently without distorting the profile.

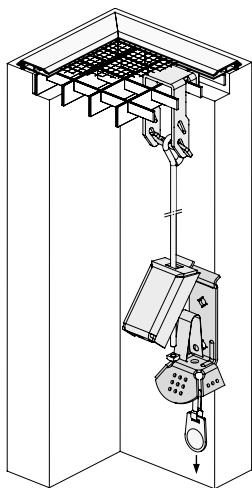
### BAR THAT SPLITS MESH

On request, a bar can be installed that splits the mesh.

From a width (depth) of 2000 mm such a bar is recommended as otherwise the mesh could rattle.



### LIGHT WELL GRATING LOCK



On request, the light well with the integrated cover LiSA can be equipped with a special light well grating lock system.

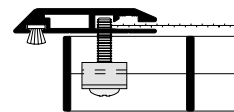
The grating lock can be unlocked easily with a cotter. An integrated spring mechanism opens the suspended lock automatically so that it can be removed easily.

The Neher light well grating lock is also suitable for escape routes.

### FIXATION

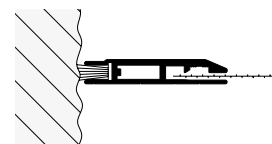
The standard light well grating lock LiSA is screwed to the grating with a locknut from top.

On request, the grating can be locked concealed through bolting from the bottom.



### WALL SEALING

Sealing towards the wall is done with the profile 10 33 07. This profile can be provided with brush piles 15 mm (standard) to 30 mm.



## Available mesh

Type of mesh	Design/colour	Product group							
		SP	DF	DT	RF	RT	ER	ST	LI
Transpatec	TTA - anthracite	•	•	•	•	•	•	•	•
Glass fibre fabric	FA - anthracite	•	•	•	•	•	•	•	
	FG - grey	•	•	•	•	•	•	•	
Transpatec fine-mesh fabric	TFP - anthracite	•	•	•	•	•	•	•	
Polltec pollen protection fabric	PIA - anthracite	•	•	•				•	
HF electro-smog shielding mesh	EG - anthr./grey	•	•	•	•			•	
Polyester fabric	PA - anthracite	•	•	•				•	
	PG - grey	•	•	•				•	
Polyester fabric electric roll-up screen	PAE - anthracite						• (1)		
Sun protection glass fibre fabric	IS - anthracite				•				
Aluminium mesh	AA - anthracite	•	•	•				•	
Stainless steel mesh V2A	V2 - grey	•	•	•				•	
Stainless steel mesh V4A	V4 - grey	•	•	•				•	
Stainless steel mesh for light well V2A	V2 - grey								•
Expanded metal - aluminium	SMA - anthracite								•
	SMG - grey								•

(1) The polyester mesh PAE can only be used for the electrical roll-up screen ER2.



Refer to our catalogue of insect screen products for our whole range of products of insect screens.









The collection of blackout blinds is under construction at present. Please contact us about your projects, so that we can give advice on our products.



# Drive and control programme

Objecta





## Contents

- 6 List of 24 V / 230 V motors
- 8 Programming tools
- 9 VRS radio
- 15 Switch / motor controls
- 18 Touch Centre
- 19 SMI
- 20 SMI-KNX
- 21 KNX
- 22 Sensors
- 23 24 V power supply units
- 24 Building controllers

# Motors for indoor sunshades

SUNSHADES - COMPLETELY VESTAMATIC CONTROLLED

VENETIAN BLIND 24 V  
VENETIAN BLIND 230 V\*

PROJECTOR SCREEN

ROLLER BLIND 24 V  
ROLLER BLIND 230 V

PLEATED BLIND 24 V\*\*



\* via external receivers  
\*\* available from 2016



# Motors for indoor sunshades

## VESTAMATIC LOVO LINE MOTOR SERIES

- Elegant slow running at start and stop
- Synchronous operation of several units through supervised motor speed
- Silent
- Programming with programming tool art. no. 606 632 004

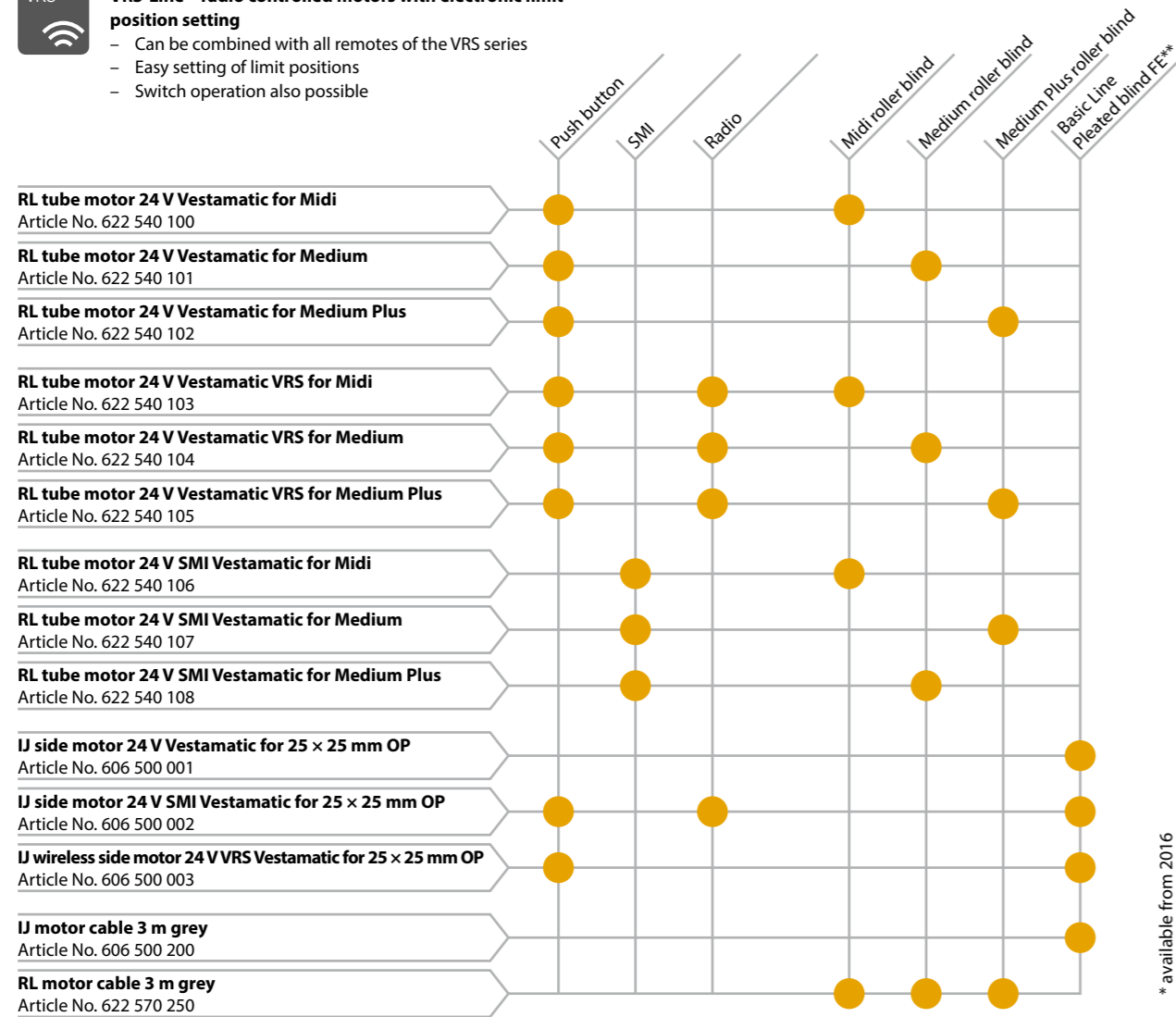
**E-Line – motors with electronic end position setting**

**VRS-Line – radio controlled motors with electronic limit position setting**

- Can be combined with all remotes of the VRS series
- Easy setting of limit positions
- Switch operation also possible

**SMI-Line – motors with the Standard Motor Interface (SMI)**

- Sends status messages to SMI control units
- Programming via SMI BUS possible
- Switch operation also possible

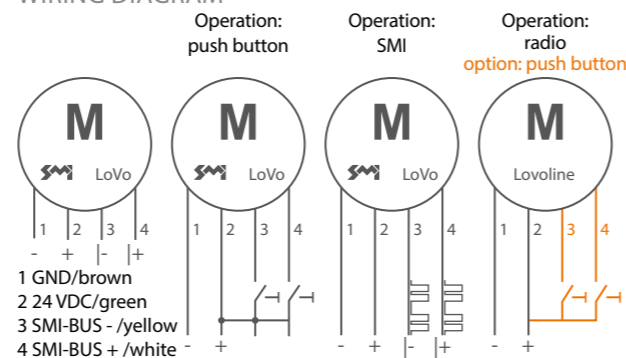


### CONNECTIONS WACO TERMINAL



! We also recommend to use always a wired connection between the motor and push button with a 4-core cable for the switch-operated mode.

### WIRING DIAGRAM



! The modes of operation cannot be combined with each other.

## MOTORS 230 V

**M-Line - set with setscrews at the motor head, long-life and reliable**

**Q-Line - low-noise drive**

- Available with mechanical and electronic end position switch

**E-Line – motors with electronic end position setting**

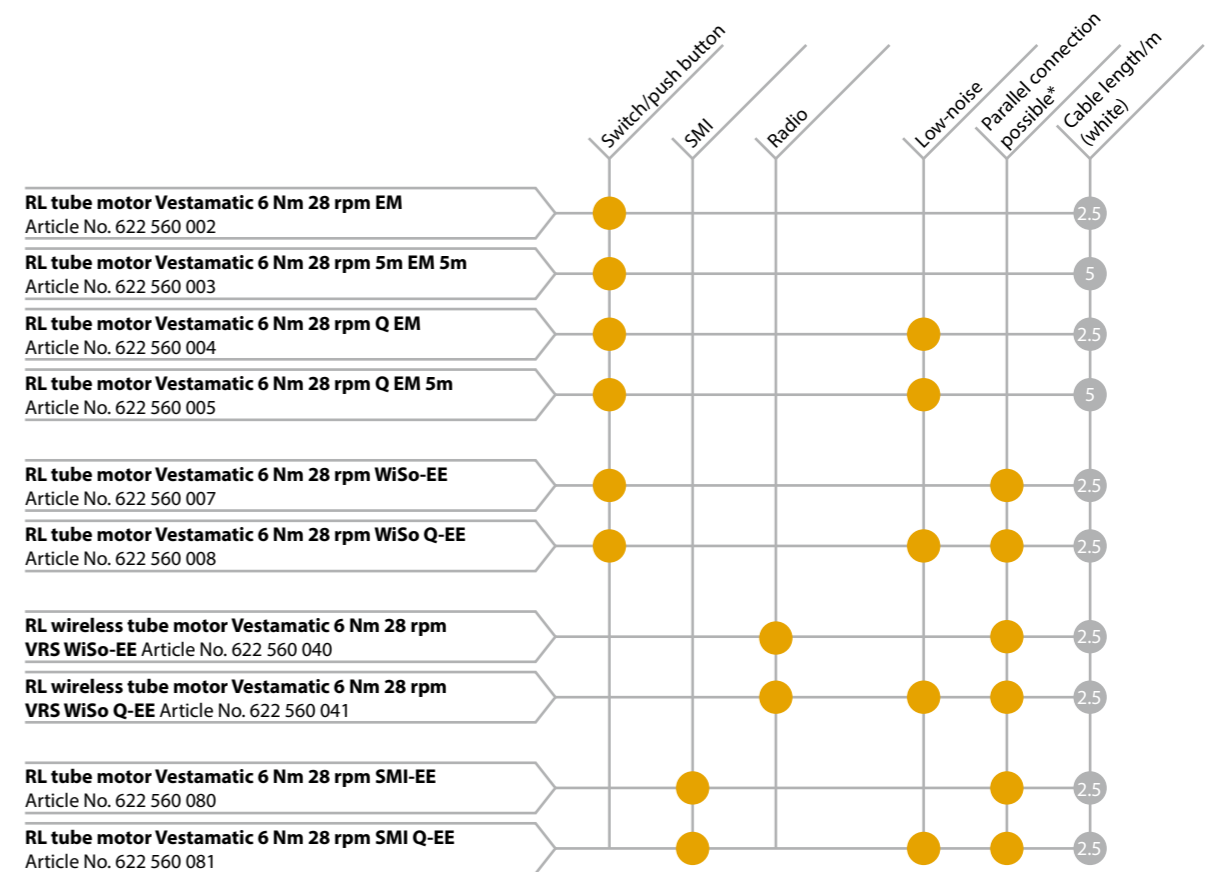
- Parallel connection without additional devices possible

**VRS-Line – radio controlled motors with electronic limit position setting**

- Can be combined with all remotes of the VRS series
- Easy setting of end positions

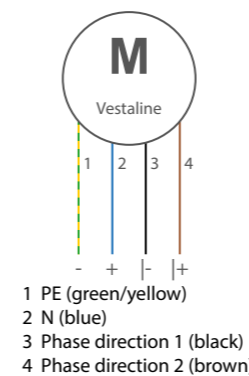
**SMI-Line – motors with the Standard Motor Interface (SMI)**

- Sends status messages to SMI control units
- Programming via SMI BUS possible

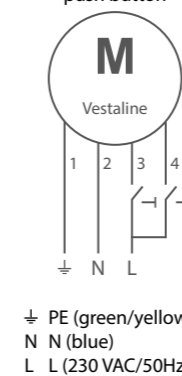


\* without additional devices

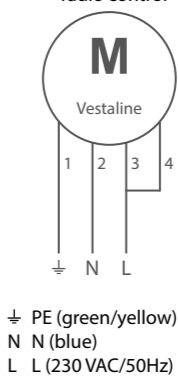
### WIRING DIAGRAM



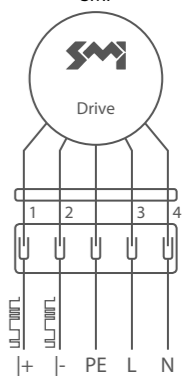
Mode of operation: push button



Mode of operation: radio control



Mode of operation: SMI



! The modes of operation cannot be combined with each other.

## Programming tools

24 V drives



### Programming tool Vestamatic 24 V drives

Programming tool for comfortable setting of end positions and resetting all 24 V Vestamatic drives

Article number	606 632 004
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230 V drives



### Programming tool Vestamatic 230 V drives

Programming tool for comfortable setting of end positions and resetting all 230 V Vestamatic drives with electronic end position setting.

Article number	606 632 109
----------------	-------------

## Handheld radio transmitters



Designation	Article number
5-channel handheld radio transmitter VRS WiSo white	606 650 150
5-channel handheld radio transmitter VRS WiSo black	606 650 151
10-channel handheld radio transmitter VRS white	606 650 152
10-channel handheld radio transmitter VRS black	606 650 153

### TECHNICAL DATA

Radio frequency	868 MHz
Operating temp range	0 °C to +40 °C
Type of protection	IP30
Dimensions (L x W x H)	VRS handheld transmitter: 55 x 55 x 10 mm
Battery	Coin battery CR2032
Colour	Signal white (similar to RAL 9003) black (similar to RAL 7016)
Conformity	CE

## Wall-mounted radio transmitter



Designation	Article number
1-channel wall-mounted radio transmitter, VRS, white	606 650 154
2-channel wall-mounted radio transmitter, VRS, white	606 650 155

### TECHNICAL DATA

Radio frequency	868 MHz
Operating temp range	0 °C to +40 °C
Type of protection	IP30
Dimensions (L x W x H)	71 x 71 x 15 mm
Battery	Coin battery CR2032
Colour	Signal white (similar to RAL 9003)
Conformity	CE

## Timers



**Timer Touch Control VRS 1x230 V 3A/ motor controls R/P series**

Art. No. 606 660 100

- Easy touch screen operation screen with illuminated display
- Week and day program
- Astro function
- Random function
- Sun function, connection option for lux sensor
- Integrated radio receiver for manual and sun triggered control via radio control
- Central input

Designation	Art. No.	Output voltage	Connection	Integr. radio receiver	Connection of central push button
<b>Touch Control VRS</b>	606 660 100	230 V	Cabled, 4-core	yes	yes
<b>Touch Control</b>	606 660 101	230 V	Cabled	no	yes

### TECHNICAL DATA

	Timer Touch Control VRS   Timer Touch Control
Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Radio frequency (version VRS)	868 MHz
Power consumption	< 0.5 W
Output (UP/DOWN)	230 VAC, 50 Hz
Switching capacity	250 VAC, 3A, cos f > 0.8 ind.
Switching time DOWN	3-120 seconds
Tilting time	0-30 seconds
Software class	A
Operating temp range	0 °C to +40 °C
Type of protection	IP 30
Degree of contamination	2
Battery	Coin battery CR 2032
Dimensions (L x W x H)	50 x 50 x 55 mm (w/o frame)
Colour	Similar to RAL 9010
Conformity	CE

**Timer Touch Control 1x230 V**

Art. No. 606 660 101

## Lux sensor



### Radio light sensor VRS lux sensor S

For inside mounting on the window pane  
Transmits commands to the VRS radio drives / receivers when the set brightness value is exceeded or fallen below. If an intermediate position has been set, this position will be approached.

<b>Article number</b>	606 661 300
-----------------------	-------------

### TECHNICAL DATA

Radio frequency	868 MHz
Modulation	FSK
Power supply	Coin battery CR 2032
Type of protection	IP 50
Operating temp range	0 °C to +70 °C
Range within building	ca. 30 m
Dimensions (L x W x H)	Ø 41 x 13 mm
Conformity	CE

## External radio receivers



### Radio receiver VRS Thin Receiver 1x230 V

In housing, open cable ends, type of switching 230 V  
Art. No. 606 650 130



### Radio receiver VRS Thin Receiver Hirschmann 1x230 V

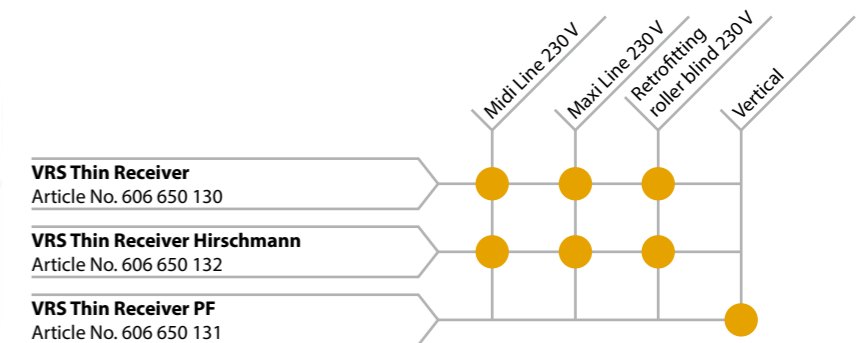
In housing, open cable ends, type of switching 230 V  
Art. No. 606 650 132



### Radio receiver VRS Thin Receiver 1x230 V potential-free

In housing, open cable ends, potential-free  
Art. No. 606 650 131

- Short description
- Radio receivers for controlling venetian and roller blind motors
- and potential-free for vertical blinds
- Visual and mechanical feedback during programming
- Deletion via short motor control commands
- Inching mode also available for venetian blinds
- Control with all transmitters of the VRS series
- Easy installation through plug connection for Hirschmann version



### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Power consumption	0.2 W
Radio frequency	868 MHz
Switching capacity	
<b>Version PF: Dry contact</b>	230 VAC/736 VA/3.2 A (cos f > 0.8 ind.); 24 VDC/2 A
<b>Version Hirschmann</b>	NO: 230 VAC/736 VA/3.2 A (cos f > 0.8 ind.)
Switching time	180 seconds
Type of protection	IP54
Protection class	II
Operating temp range	-10 °C to +40 °C
Dimensions (L x W x H)	125 x 30 x 23 mm
Conformity	CE

## Light receiver



### Radio receiver VRS FMT Light Receiver 1 light 230 V for flush-mounted box

Article number	606 650 133
----------------	-------------

- Radio receiver for control of one light source
- Operation via all handheld and wall-mounted transmitters of the VRS series
- Operation: On/Off, timer (7 minutes)
- Installation: Flush-mounted box

#### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Power consumption	35 mA
Radio frequency	868 MHz
Type of protection	IP 40 (FMT)
Protection class	II
Operating temp range	-20 °C to +60 °C
Dimensions (L x W x H)	46 x 46 x 25 mm
Conformity	CE

#### LOAD TABLE

Type of load	Max. load	Example
Ohmic load	10 A / 2300 VA	Incandescent lamp 230 VAC, halogen lamps etc.
Inductive load	2.6 A / 600 VA	Halogen lamps with wound transformers Fluorescent lamps (series) Fluorescent lamps (parallel)
	10 A / 2300 VA 2.6 A / 600 VA	
Capacity ECG	4 A / 920 VA	Electronic control gears, electronic transformers etc.

## Socket outlet receiver



### VRS 230 V receiver for socket outlet\*

Article number	606 650 159
----------------	-------------

- Radio receiver for control of one load
- Operation via all handheld and wall-mounted transmitters of the VRS series
- Operation: On/Off
- Installation: Socket outlet, adapter plug

#### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Power consumption	35 mA
Switching capacity	2000 W
Radio frequency	868 MHz
Type of protection	IP 40 (FMT)
Protection class	II
Operating temp range	-20 °C to +60 °C
Dimensions (L x W x H)	46 x 46 x 25 mm
Conformity	CE

\* available from 2016

## Radio repeater



### Radio repeater VRS FMT Repeater for flush-mounted box

Article number	606 650 157
----------------	-------------

- Flush-mounted device for repeating the VRS signal in installation situations with poor radio range
- Operation via all handheld and wall-mounted transmitters of the VRS series
- Installation: Flush-mounted box

#### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Power consumption	35 mA
Radio frequency	868 MHz
Type of protection	IP 40 (FMT)
Protection class	II
Operating temp range	-20 °C to +60 °C
Dimensions (L x W x H)	46 x 46 x 25 mm
Conformity	CE

## Socket outlet repeater



### VRS FMT repeater for socket outlet\*

Article number	606 650 158
----------------	-------------

- VRS radio repeater for installation situations with poor radio range
- Operation via all handheld and wall-mounted transmitters of the VRS series
- Installation: Socket outlet, adapter plug

#### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Power consumption	35 mA
Radio frequency	868 MHz
Type of protection	IP 40 (FMT)
Protection class	II
Operating temp range	-20 °C to +60 °C
Dimensions (L x W x H)	52 x 120 x 40 mm
Conformity	CE

\* available from 2016



## APP control



### APP control 2x230 V + 1x light

Wi-Fi shade control for 2 drives 230 VAC and 1 light 230 VAC. The drives can be controlled automatically depending on wind and sun. The manual control of the drives and light can be effected with the supplied remote control and via Apple devices. Control via Android, Windowsphone or PC is possible with the webserver set (not included).

Components: Wi-Fi Centre VRS S incl. control box, Wi-So Crystal Station and 5-channel handheld radio transmitter VRS Wi-So white

<b>Article number</b>	606632108
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### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Fuse	230 VAC, 7 AT
Power consumption	max. 10m A
Control box dimensions (W x H x D)	169 x 134 x 84 mm
Type of protection	IP 54
Protection class	I
Radio frequency	868 MHz
WLAN frequency	2.4 GHz
Battery remote	CR 2032 (1 piece)
Wind sensor measuring range	3–30 m/s
Sun sensor measuring range	1–100 kLux
Relay / motor 1 + 2	230 VAC, 2 A, cos f > 0.8 ind.
Relay / light	230 VAC, 2 A, cos f = 1
Operating temp range	0 °C to +40 °C
Conformity	CE

## Push button/switch



Designation	Article number
Push button Busch-Jaeger white	602 630 151
Switch Busch-Jaeger white	602 630 152

Designation	Article number
Push button Gira Standard 55 white	602 630 161
Switch Gira Standard 55 white	602 630 162

### Timer Touch Control 1x230 V

For technical data refer to page 10

<b>Article number</b>	606 660 101
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## 1 drive 230 V



### Motor control MC P1 FMT 1x230 V

<b>Article number</b>	606 632 103
-----------------------	-------------

- Motor control for central control and single control of one 230 V drive
- Mode of operation: Inching / push button with time logic
- Installation: Flush-mounted box (Ø 55mm)

### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	< 0.5 W
Output (UP/DOWN)	230 VAC, 50 Hz
Switching capacity	250 VAC, 3 A, cos f > 0.8 ind.
Switching time	180 seconds
Operating temp range	0 °C to +40 °C
Type of protection	IP 20
Dimensions (L x W x H)	48.5 x 52.5 x 28 mm
Conformity	CE

## 2 drives 230 V



## Motor control MC P2 2x230 V with single / group control

Article number	606 632 102
----------------	-------------

- Microprocessor-powered motor control for two drives
- Control possible via central command and 2 local buttons
- 8 different operating modes can be set, incl. inching and intelligent decentralised operation
- Motor run time / tilting time can be set individually

## TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	1.8 W
Fuse	6 AT
Output	230 VAC, 50 Hz
Switching capacity	250 VAC, 6 A, cos f > 0.8 ind.
Switching time DOWN	3 – 180 seconds
Switching time UP	180 seconds
Permissible motor current	
- 1 motor connected	6 A max.
- 2 motors connected	max. 3 A each
Operating temp range	0 °C to +40 °C
Type of protection	IP 40
Dimensions (L x W x H)	186 x 55 x 74 mm
Conformity	CE

## 4 drives 230 V



## Motor control MC P4 4x230 V

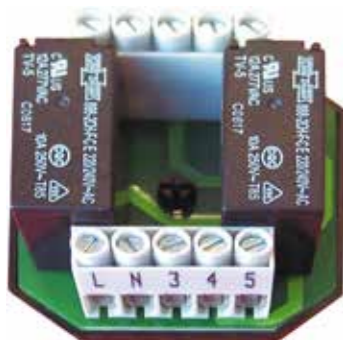
Article number	606 632 099
----------------	-------------

- Microprocessor-powered motor control for four drives
- Control possible via central command, one group button and 4 local buttons
- 10 different operating modes can be set, incl. inching and intelligent decentralised operation
- Motor run time / tilting time can be set individually

## TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	2.6 W
Fuse	T 6,3 A
Output	230 VAC, 50 Hz
Switching capacity	250 VAC, 4 A, cos f > 0.8 ind.
Switching time DOWN	3 – 180 s
Switching time UP	180 seconds
Permissible motor current (total)	max. 6 A
Operating temp range	0 °C to +40 °C
Type of protection	IP54
Dimensions (L x W x H)	170 x 134 x 85 mm (w/o connections)
Conformity	CE

## 2 drives 230 V - cut-off relay



## Cut-off relay MC TR 25 FMT 2x230 V

Article number	606 610 120
----------------	-------------

- Cut-off relay for parallel connection of 2 drives 230 V
- Control possible via central command and 2 local buttons
- No time logic
- Installation: Flush-mounted box (Ø55mm, deep version)

## TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	< 1 W
Control voltage	230 VAC
Output	230 VAC, 50 Hz
Switching capacity (per output)	250 VAC, 4 A, cos f > 0.8 ind.
Operating temp range	0 °C to +40 °C
Type of protection	IP 20
Degree of contamination	2
Dimensions (L x W x H)	52.4 x 46.6 x 21.1 mm
Conformity	CE

## 4 drives 230 V with integrated radio



## Motor control MC P4 4x230 V VRS

Article number	606 632 101
----------------	-------------

- Microprocessor-powered motor control for four drives
- Control possible via central command, one group button and 4 local buttons
- Integrated 4-channel receiver
- 10 different operating modes can be set, incl. inching and intelligent decentralised operation
- Motor run time / tilting time can be set individually

## TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Radio frequency	868 MHz
Power consumption	2.6 W
Fuse	T 6,3 A
Output	230 VAC, 50 Hz
Switching capacity	250 VAC, 4 A, cos f > 0.8 ind.
Switching time DOWN	3 – 180 seconds
Switching time UP	180 seconds
Permissible motor current (total)	max. 6 A
Operating temp range	0 °C to +40 °C
Type of protection	IP54
Dimensions (L x W x H)	170 x 134 x 85 mm (w/o connections)
Conformity	CE

## Central control



### Central control Touch Centre XL 4C wired with colour display

Touch Centre is a microprocessor-controlled central control for various products, such as external venetian blinds, awnings, roller shutters, roof lights, ventilation systems, heating and light. The control is designed for medium-sized projects with up to 4 façades and/or storeys and it can be combined with motor controls of the MC-P and MC-R series.

The connected sun protection and closing units are controlled centrally depending on the sun, wind speed, rainfall and time of day. External systems, such as security windows, fire alarm or building services control systems, can be integrated easily. The sensor inputs allow the simultaneous connection (depending on control type) of up to:

- 2 wind sensors (heated / unheated)
- 8 lux sensors
- 1 rain sensor
- 2 temperature sensors
- 1 DCF 77 radio clock receiver
- Additional connections:
- 4 UP/DOWN group buttons
- 1 maintenance switch
- 1 connection for fire alarm unit

The control and communication of the display box are performed via the installed RS 485 4-wire interface. The coloured touch screen display in the display box shows symbols for easiest control and setting of the connected sun protection units.

<b>Article number</b>	606 632 800
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### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	10 W
Max. switching capacity	250 VAC, 4 A, cos f > 0.8 ind.
Max. switching capacity (total)	1380 W, 6 A, 230 VAC
Switching time DOWN	3 – 180 s or continuously
Conductor cross-section	
- motor connection	0.14 mm – 2.5 mm <sup>2</sup>
- sensors/buttons	0.14 mm – 1.5 mm <sup>2</sup>
Operating temp range	0 °C to +40 °C
Type of protection	IP 20 (control box) IP 20 (display box)
Degree of contamination	2 (control box) 2 (display box)
Battery	CR 2032
Dimensions (L x W x H)	270 x 220 x 108 mm (control box)
Colour	Display box black (similar to RAL 9005) / standard version
Conformity	CE

## SMI - Standard Motor Interface

### WHAT IS SMI?

SMI is the abbreviation for Standard Motor Interface. SMI was developed for connecting intelligent drives with shutter and sun protection systems. SMI permits the transmission of messages from the control system to the drive and vice versa. SMI allows combining products of various makes. The SMI interface makes using high-quality solutions easier and it increases the compatibility of common drives and controls of different makes. Shutter and sun protection equipment must be extraordinarily robust and highly economical. SMI was developed to meet these requirements.



### Motor control IF SMI BS 24 V 16 SMI drives 24 V

Intelligent motor control for 16 SMI motors, compatible with all Vestamatic BS central controls. Direct connection possible for 4 SMI motors 24 VDC. Connection programmable for 4 buttons for single command or group command. Up to 3 central groups can be programmed; overlapping groups possible. Programmable with BS Config Software via Vestamatic Bus.

<b>Article number</b>	606 632 003
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### TECHNICAL DATA

Supply voltage range	22 – 28 VDC
Rated surge voltage	500 V
Max. output current	2A per SMI motor connection
Operating temp range	0 °C to +40 °C
Type of protection	IP 55
Dimensions (L x W x H)	170 x 135 x 85 mm
Conformity	CE



### Motor control IF SMI BS 230 V 16 SMI drives 230 V

Intelligent motor control for 16 SMI motors 230 V, compatible with all Vestamatic BS central controls. Connection programmable for 4 buttons for single command or group command. Up to 3 central groups can be programmed; overlapping groups possible. Programmable with BS Config via PC Vestamatic BUS (BS).

<b>Article number</b>	606 632 107
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### TECHNICAL DATA

Supply voltage range	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Max. output current	0 °C to +40 °C
Operating temp range	Software class: A
Type of protection	Type of protection: IP 55
Dimensions (L x W x H)	170 x 135 x 85 mm
Conformity	CE

## SMI KNX controls



### Motor control SMI-KNX 8x24 V

- Connection possible for up to 8 SMI-LoVo motors 24 VDC
- For controlling internal venetian blinds and internal motors
- Compatible with the KNX-BUS system
- Programming button and LED for address signalling at the device
- KNX objects, UP/DOWN, step/stop, shading position, automatic
- Shutter height %, slat %, shutter height status %, slat status %
- Store/call up scene 1+2, drive status
- Individual and group control via KNX output devices (corresponding to EIS7 standard or DPT 1.007 and 1.008 as described in KNX System Specifications Interworking Datapoint Types)

<b>Article number</b>	606 632 002
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#### TECHNICAL DATA

Supply voltage	24 VDC
Housing	REG 2TE
Interface to the BUS system	KNX, Medium TP1
Interface to the motor	SMI
Communication objects	82
Max. number of group addresses	114
Max. allocation of group addresses	162
Operating temp range	0 °C to +40 °C
Type of protection	IP 20
Dimensions (L x W x D)	90 x 35 x 59 mm
Conformity	CE



### Motor control SMI-KNX 8x230 V

- Connection possible for up to 8 independent SMI motors 230 VAC
- Programming button and LED for address signalling at the device
- KNX objects, UP/DOWN, step/stop, shading position, automatic
- Shutter height %, slat %, shutter height status %, slat status %
- Store/call up scene 1+2, drive status
- Individual and group control via KNX output devices (corresponding to EIS7 standard or DPT 1.007 and 1.008 as described in KNX System Specifications Interworking Datapoint Types)

<b>Article number</b>	606 632 106
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#### TECHNICAL DATA

Supply voltage	230 VAC
Housing	REG 2TE
Power consumption	0.6 W via BUS
Interface to the BUS system	KNX, Medium TP1
Interface to the motor	SMI
Communication objects	82
Max. number of group addresses	114
Max. allocation of group addresses	162
Operating temp range	0 °C to +40 °C
Type of protection	IP 20
Dimensions (W x H x D)	35.5 x 90 x 58 mm
Conformity	CE

## KNX controls



### Motor control MC KNX 9x230 V

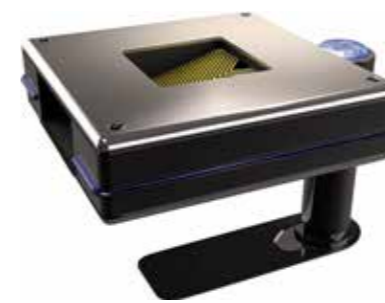
KNX motor control for the electric drive of venetian blinds, awnings, façade blinds, roller shutters or windows.

<b>Article number</b>	606 632 104
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#### TECHNICAL DATA

<b>Connection data</b>	
Operating voltage	230 VAC, 50 Hz
Cable	3 conductors (L, N, PE), 1.5 mm <sup>2</sup>
Fuse	Single-wire or fine-wire, protection switch max. 13 A
<b>Motor connection</b>	
Type of protection	IP 20
Motor type	Asynchronous motor 230 VAC, 50 Hz, max. 2.5 A, with 2 mechanical limit switches > 0.9
Power factor cable	4 conductors (UP, DOWN, N, PE), 1.5 mm <sup>2</sup> , single-wire or fine-wire. Motor neutral conductor can be led separately or together

## KNX central controller



### KNX Shade Centre

KNX central controller with sensors for controlling 8 groups via KNX.

Functions:

- Solar tracking
- Safety program (wind, frost, rain)
- Comfort programs (shade, time, temperature)
- Each sector can be controlled individually
- All thresholds adjustable via KNX
- Integrated sensors for wind, rain/snow, temperature, brightness, global radiation
- Determination of wind direction
- Wear-free wind measurement via ultrasound
- Regulates heat and temperature for a comfortable environment
- Automation for global radiation
- Daylight control for illumination
- Additional sensors can be read in via KNX
- 8 independent sectors/façade sections
- Fault indications for every sensor
- Shading programs with fuzzy logic

<b>Article number</b>	606 632 850
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#### TECHNICAL DATA

Operating voltage	19 – 28 VDC
Power loss	2.5 W (without heating)
Operating temp range	-30 °C to +60 °C
<b>Sensors</b>	
- temperature	-40 °C to +90 °C
- brightness	0 to 100 kLux
- global radiation	0 to 1200 W/m <sup>2</sup>
- wind speed	0 to 35 m/s
- wind direction	0 to 360°
Type of protection:	Type of protection: IP X4
Dimensions (W x D x H)	157 x 198 x 132 mm
Conformity	CE



## Lux sensor

**Lux sensor LS30**

Lux sensor for outdoor installation. Sunlight detection angle of approx. 120°, compatible with all Vestamatic controls.

<b>Article number</b>	606 661 301
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## TECHNICAL DATA

Operating voltage	5 VDC
Power consumption	0.5 – 4.5 mA
Type of protection	IP 54
Max. line length (lux sensor - control unit)	100 m
Operating temp range	-15 °C to +45 °C
Connection cable	5 m long, LIYY 2 × 0.34 mm <sup>2</sup> , white
Dimensions (L × W × H)	85 × 27.5 × 27.5 mm
Conformity	CE

## Wind / lux sensor

**Wind / lux sensor WiSo Crystal Station**

Combined wind / lux sensor. Compatible with all Vestamatic controllers

<b>Article number</b>	606 663 302
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## TECHNICAL DATA

Wind speed sensor	
Measuring range	2 ... 32 m/s
Output	4 ... 94 Hz
Contact type	1 reed switch
Switching capacity	7.5 VA, max. 30 V <sub>~</sub> , max. 250 mA
Measuring range / lux sensor	0 ... 120 kLux
Power consumption	0.5 ... 4 mA
Operating temp range	-15 °C to +60 °C
Type of protection (sensor unit)	IP 54
Material (plastic parts)	UV-stabilised polycarbonate
Conformity	CE

## Power supply units

**Power supply HT 24 V with 2 m cable white with power plug, surface-mounted**

Art. No. 606 600 100

**Power supply 24 V Vestamatic for 1 motor, flush-mounted**

Art. No. 606 600 200

**Power supply 24 V Power 3.0 with 2 m cable white, surface-mounted**

Art. No. 606 600 003



Designation	Switching capacity	No. of 24 V drives possible	Dimensions	Article no.
Power supply HT 24 V with 2 m cable white with power plug, surface-mounted	1A	1	160 × 14 × 12	602 600 100
Power supply 24 V Vestamatic for 1 motor, flush-mounted	1A	1	∅ 55 × 25	606 600 200
Power supply 24 V Power 3.0 with 2 m cable white, surface-mounted	3A	4	103 × 97 × 48	602 610 003
Power supply 24 V Vestamatic for 8 motors, top-hat rail	5A	8	121 × 75 × 110	606 600 300
Power supply 24 V Vestamatic for 16 motors, top-hat rail	10A	16	121 × 100 × 110	606 600 301

**Power supply 24 V Vestamatic for 8 motors, top-hat rail**

Art. No. 606 600 300

**Power supply 24 V Vestamatic for 16 motors, top-hat rail**

Art. No. 606 600 301

**Commissioning set Vestamatic for 24 V**

<b>Article number</b>	602 700 002
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## Vestamatic building controllers as individual as your project

### SYSTEM STANDARD

- 8-channel control (can be expanded to 64 channels)
- Conventional system (no BUS)
- User-friendly commissioning / installation
- PC operation and visualisation possible
- Cost-effective

### SYSTEM BS

- 8-channel control (can be expanded to 64 channels)
- BUS system
- Parameterisation completely via software
- Maximum flexibility, e.g. changing of groups without the need for installation changes
- Only one BUS line for the entire system
- PC operation and visualisation possible

### SYSTEM BS-SMI

- See System BS
- + BUS line to the motors (up to 16 motors)
- + Motor end positions easily adjustable via BUS
- + Cost-effective wiring of the motors

### SYSTEM KNX-SMI

- See System KNX
- + BUS line to the motors (up to 16 motors)
- + cost-effective wiring of the motors

### SYSTEM KNX

- Control of 8 sectors with automatic solar tracking
- Unlimited number of control groups
- All measured values can be sent via the BUS; this makes more sensors unnecessary for other systems
- The options of combination with other KNX products are unlimited: the KNX certification process ensures that different products of different makes can interact and communicate in different applications = a high degree in flexibility for expansion and modification is ensured

### SYSTEM WISO

- 1-channel control
- Conventional system (no BUS)
- User-friendly commissioning / installation
- Very cost-effective
- Elegant touch control

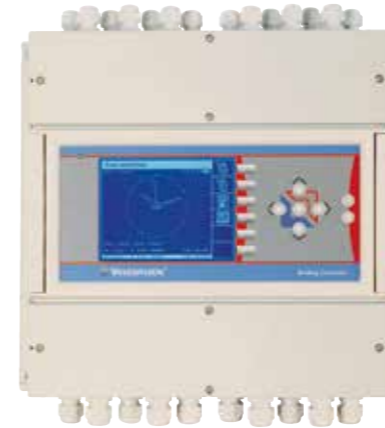
### SYSTEM TOUCH CENTRE

- 2 or 4-channel control
- Conventional system (no BUS)
- User-friendly commissioning / installation
- Very cost-effective
- Elegant touch control incl. coloured display



## System Standard

VESTA BUILDING CONTROLLER (VBC) IN COMBINATION WITH MOTOR CONTROLS OF THE MC P SERIES



### Central control Vesta Building Controller VBC

For motor controls see pages 16 to 17

#### Article number

606 632 852

#### System description:

This system offers the control of 8 façades, storeys or control groups ("standard building" with up to ca. 500 sun protection units).

Up to 8 VBCs can communicate in the "Master/Slave" procedure. Control of up to 64 façades, storeys or control groups (channels) possible (for buildings with > 500 sun protection units). The control of the channel groups (motor controls) is effected via conventional slipring leads (5V). Every channel needs a separate conductor line. However, an external power supply of the conductor line is not required.

Every façade is parameterised individually - depending on the sun protection product - and/or via several channels according to the building conditions.

Weather data, status messages and all parameters can be read and configured directly on the central control. Optionally, these settings can be made with our Internet module at the PC. This also allows easy remote maintenance. Passwords protect our system against manipulations by unauthorised personnel. Any safety-relevant changes and fault indications are stored in a logbook. Various installation options: UP, AP, top-hat rail 230 V and 24 V variants exist.

#### Control options:

The individual control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective individual button inputs of the motor controls. Group control is also easily possible with the group button inputs of the motor controls.

Various operating modes depending on the sun protection product offer a great ease of operation e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching.

Every channel has an external input; easy connection of external systems or external operation per channel possible. Input for RWA system, fire protection system and input for maintenance (e.g. window cleaner) available.

#### Special features:

- No delay → conventional control
- Remote control possible (MC P4 VRS) → teaching method extremely easy
- High resistance to interference → inputs are pulled to ground
- Visualisation at the PC
- Use of a sensor box possible but not mandatory
- No limitation of the lux sensors → 1 sensor per channel possible
- Control of up to 64 channels
- Every VBC can manage 2 wind sensors
- Integrated logbook in VBC
- Easy and cost-effective remote maintenance through VBC Internet modules possible
- Parallel connection of the individual button inputs possible
- Motor runtime can be set for individual control

## System BS

VESTA BUILDING CONTROLLER BS (VBC BS) IN COMBINATION WITH MOTOR CONTROL OF THE MC BS SERIES



Central control Vesta Building Controller VBC BS

Article number	606 632 851
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**System description:**

This BUS system allows control of 8 façades, storeys or control groups. ("Standard building" with up to ca. 500 sun protection units).

Up to 8 VBCs can communicate in the "Master/Slave" procedure. Control of up to 64 façades, storeys or control groups (channels) possible (for buildings with > 500 sun protection units). The control of all channel groups (motor controls) is effected via a BUS line. However, an external power supply of the conductor line is not required.

Every façade is parameterised individually - depending on the sun protection product - and/or via several channels according to the building conditions.

The connected sensors (e.g. wind, wind direction, sun, rain, temperature, etc.) can be evaluated and parameterised separately for every channel. Weather data, status messages and all parameters can be read and configured directly on the central control. Optionally, these settings can be made with our Internet module at the PC. This also allows easy remote maintenance. Passwords protect our system against manipulations by unauthorised personnel. Any safety-relevant changes and fault indications are stored in a logbook.

**Control options:**

The individual control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective individual button inputs of the motor controls. The group control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective freely programmable group button inputs of the motor controls.

Various operating modes depending on the sun protection product offer a great ease of operation e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching. Every channel has an external input; easy connection of external systems or external operation per channel possible. Input for RWA system, fire protection system and input for maintenance (e.g. window cleaner) available.

**Special features:**

- The software "BS Config" allows to configure fast and easily central groups, subgroups and individual control; later building-related modifications are also possible.
- No BUS delay → LONMark network (extremely fast)
- All BS motor controls and the BUS are permanently monitored for proper functioning
- Visualisation at the PC
- Use of a sensor box possible but not mandatory
- No limitation of the lux sensors → 1 sensor per channel possible
- Control of up to 64 channels
- Every VBC can manage 2 wind sensors
- Integrated logbook in VBC
- Easy and cost-effective remote maintenance through VBC Internet modules possible
- Parallel connection of the individual button inputs possible
- Motor runtime can be set for individual control



## System BS - SMI

VESTA BUILDING CONTROLLER BS (VBC BS) IN COMBINATION WITH IF SMI BS



Central control Vesta Building Controller VBC BS

Article number	606 632 851
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**Motor control IF SMI BS 24 V 16 SMI drives 24 V**

Article number	606 632 003
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**System description:**

This system is a combination of two different BUS systems: Vestamatic BUS (BS) in combination with SMI-BUS (Standard Motor Interface). The interface used is (motor control) IF SMI BS. This combination offers the control of 8 façades, storeys or control groups ("standard building" with up to ca. 500 sun protection units). Up to 8 VBCs can communicate in the "Master/Slave" procedure; control of up to 64 façades, storeys or control groups (channels) possible (for buildings with > 500 sun protection units). The control of all channel groups (motor controls) is effected via a BUS line. However, an external power supply of the conductor line is not required.

The two BUS systems communicate via the interface (motor control) IF SMI BS. Every façade is parameterised individually - depending on the sun protection product - and/or via several channels according to the building conditions. The connected sensors (e.g. wind, wind direction, sun, rain, temperature, etc.) can be evaluated and parameterised separately for every channel. Weather data, status messages and all parameters can be read and configured directly on the central control. Optionally, these settings can be made with our Internet module at the PC. This also allows easy remote maintenance. Passwords protect our system against manipulations by unauthorised personnel. Any safety-relevant changes and fault indications are stored in a logbook. 230 V and 24 V variants exist.

**Control options:**

The individual / and group control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective freely programmable inputs of the motor controls. Various operating modes depending on the sun protection product offer a great ease of operation → e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching. Every channel has an external input; easy connection of external systems or external operation per channel possible. Input for RWA system, fire protection system and input for maintenance (e.g. window cleaner) available.

**Special features:**

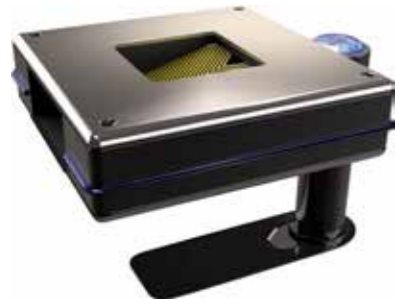
- Synchronous run of the SMI motors
- End positions easily adjustable via BUS
- Direct control of tilting position (no delay as with common motors)
- Motor runtime and tilt can be set individually per motor; even different control behaviours (central command - individual command) possible → saving of energy
- Up to 16 motors can be connected to one BS motor control
- Cost-effective solution despite BUS system
- SMI-BUS offers high saving
- Installation cost → BUS line to the motors
- The software "BS Config" allows to configure fast and easily central groups, subgroups and individual control; later building-related modifications are also possible.
- No BUS delay → LONMark network (extremely fast)
- All BS motor controls and the BUS are permanently monitored for proper functioning (motor monitoring is also possible if required)
- One BS motor control can be allocated to several channels (important aspect for connection of 16 motors)
- Visualisation at the PC (even motor position possible)





## System KNX

KNX SHADE CENTRE IN COMBINATION WITH MOTOR CONTROL MC KNX9



<b>Central control KNX Shade Centre with sensors for controlling 8 KNX groups</b>	
<b>Article number</b>	606 632 850

<b>Power supply for KNX Shade Centre</b>	
<b>Article number</b>	606 632 880

<b>Mast extension for KNX Shade Centre</b>	
<b>Article number</b>	606 632 881

<b>Motor control MC KNX 9x230 V</b>	
<b>Article number</b>	606 632 104



### System description:

This system is a combination of two different BUS systems: Vestamatic BUS (BS) in combination with SMI-BUS (Standard Motor Interface). The interface used is (motor control) IF SMI BS. This combination allows control of 8 façades, storeys or control groups. ("Standard building" with up to ca. 500 sun protection units). Up to 8 VBCs can communicate in the "Master/Slave" procedure; control of up to 64 façades, storeys or control groups (channels) possible. (for buildings with > 500 sun protection units). The control of all channel groups (motor controls) is effected via a BUS line. However, an external power supply of the conductor line is not required.

The two BUS systems communicate via the interface (motor control) IF SMI BS. Every façade is parameterised individually - depending on the sun protection product - and/or via several channels according to the building conditions. The connected sensors (e.g. wind, wind direction, sun, rain, temperature, etc.) can be evaluated and parameterised separately for every channel. Weather data, status messages and all parameters can be read and configured directly on the central control. Optionally, these settings can be made with our Internet module at the PC. This also allows easy remote maintenance. Passwords protect our system against manipulations by unauthorised personnel. Any safety-relevant changes and fault indications are stored in a logbook. 230 V and 24 V variants exist.

### Control options:

The individual / and group control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective freely programmable button inputs of the motor controls. Alternatively, all KNX buttons or all binary input modules can be combined with our system.

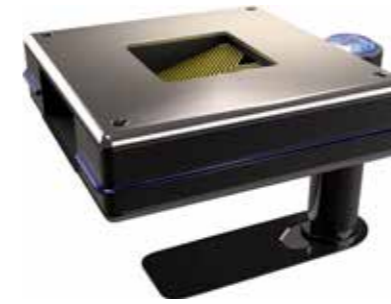
Various operating modes depending on the sun protection product offer a great ease of operation → e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching. Control via App possible → IF KNX IP Wireless.

### Special features:

- A complete sun protection system can be built with only two products. Our motor control can also be used as KNX input module → 18 binary inputs.
- Every sector is equipped with automatic solar tracking → maximum light comfort + maximum energy saving.
- Automatic functions make complicated commissioning unnecessary; when mechanical motors are connected the motor runtime is determined automatically. 33 different automatic programs can be freely selected.
- All measured values can be sent to the BUS. This makes other sensors for other systems unnecessary.
- The options of combination with other KNX products are unlimited: the KNX certification process ensures that different products of different makes can interact and communicate in different applications. This offers a high degree of flexibility when extending and modifying installations.
- Communication with other systems (e.g. building services control, fire protection, RWA, etc.) is easily feasible.

## System KNX - SMI

KNX SHADE CENTRE IN COMBINATION WITH MOTOR CONTROL IF SMI KNX



<b>Central control KNX Shade Centre with sensors for controlling 8 KNX groups</b>	
<b>Article number</b>	606 632 850

<b>Power supply for KNX Shade Centre</b>	
<b>Article number</b>	606 632 880

<b>Mast extension for KNX Shade Centre</b>	
<b>Article number</b>	606 632 881

<b>Motor control SMI-KNX 8x24 V</b>	
<b>Article number</b>	606 632 002

<b>Motor control SMI-KNX 8x230 V</b>	
<b>Article number</b>	606 632 106



### System description:

This system is a combination of two different BUS systems: KNX in combination with SMI-BUS (Standard Motor Interface). The interface used is (motor control) IF SMI KNX. This BUS system allows the individual control of 8 sectors (in connection with solar tracking). The number of controlled groups is unlimited. The control of the actuators (motor controls) is effected via a BUS line. An external power supply of the conductor line is mandatory. Every façade is parameterised individually - depending on the sun protection product - and/or via several channels/sectors according to the building conditions.

The integrated sensors in the central control (e.g. wind, wind direction, global radiation, sun, rain, temperature, etc.) can be evaluated and parameterised separately for every sector/channel. The commissioning is made with the KNX System Integrator using the commissioning tool (ETS) that is independent of the product. 230 V and 24 V variants exist.

### Control options, e.g.:

- MC KNX9 as binary input module: The individual / and group control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective freely programmable button inputs of the binary input module.
- All KNX buttons
- All binary input modules → Control via App possible IF KNX IP Wireless

### Special features:

- Synchronous run of the SMI motors
- End positions easily adjustable via BUS
- Direct control of tilting position (no delay as with common motors)
- Motor runtime and tilt can be set individually per motor; even different control behaviours (central command - individual command) possible → saving of energy
- SMI-BUS offers high saving
- Installation cost → BUS line to the motors
- Every sector is equipped with automatic solar tracking → maximum light comfort + maximum energy saving
- Automation functions make complicated commissioning unnecessary
- 33 different automatic programs can be freely selected.
- All measured values can be sent to the BUS. This makes other sensors for other systems unnecessary.
- The options of combination with other KNX products are unlimited: the KNX certification process ensures that different products of different makes can interact and communicate in different applications. This offers a high degree of flexibility when extending and modifying installations.
- Communication with other systems (e.g. building services control, fire protection, RWA, etc.) is easily feasible.



## SYSTEM WiSo Quattro

COMBINATION WITH MOTOR CONTROLS OF THE MC P SERIES



### Timer WiSo Quattro

<b>Article number</b>	606 660 102
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#### System description:

This system allows control of one façade, storey or control group. ("Standard building" with up to ca. 50 sun protection units). The control of the channel group (motor controls) is effected via conventional slipring leads (5V). An external power supply of the conductor line is not required.

The central control is parameterised for the respective sun protection product depending on the connected sensors (e.g. wind, sun, rain).

Weather data, status messages and all parameters can be read and configured directly on the central control. Various installation options: UP, AP, top-hat rail. 230 V and 24 V variants exist.

#### TECHNICAL DATA

Operating voltage	230 VAC, 50 Hz
Rated surge voltage	2.5 kV
Power consumption	2 W
Output (UP/DOWN)	230 VAC, 50 Hz
Switching capacity	250 VAC, 3 A, cos f > 0.8 ind.
Switching time DOWN	3 - 180 seconds
Tilting time	0 - 30 seconds
Software class	A
Operating temp range	0 °C to +40 °C
Type of protection	IP 30
Battery:	CR 2032
Dimensions (L x W x H)	50 x 50 x 46 mm (w/o frame)
Colour	Signal white (similar to RAL 9016)
Conformity	CE

#### Control options:

- Touch display
- The individual control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective individual button inputs of the motor controls.
- Group control is also easily possible with the group button inputs of the motor controls.
- Various operating modes depending on the sun protection product offer a great ease of operation, e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching.
- WiSo Time and WiSo Quattro can be time-programmed (e.g. fixed times per day for extending / retracting).
- The WiSo Quattro has an illuminated touch display.

#### Special features:

- No delay → conventional control
- Remote control possible (MC P4 VRS) → teaching method extremely easy
- High resistance to interference → inputs are pulled to ground
- Parallel connection of the individual button inputs possible
- Motor runtime can be set for individual control

## SYSTEM Touch Centre 4-channel

COMBINATION WITH MOTOR CONTROLS OF THE MC P SERIES



### Central control Touch Centre XL 4C wired with colour display

For motor controls see pages 16 to 17

<b>Article number</b>	606 632 800
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#### System description:

This system offers the control of 2 / 4 façades, storeys or control groups ("standard building" with up to ca. 100 / 250 sun protection units). The control of the channel groups (motor controls) is effected via conventional slipring leads (5V). Every channel needs a separate conductor line. However, an external power supply of the conductor line is not required.

Every façade is parameterised individually - depending on the sun protection product - and/or via several channels according to the building conditions. The connected sensors (e.g. wind, sun, rain, temperature, etc.) can be evaluated and parameterised separately for every channel.

Weather data, status messages and all parameters can be read and configured directly on the central control. Passwords protect our system against manipulations by unauthorised personnel. Any safety-relevant changes and fault indications are stored in a logbook. Various installation options: UP, AP, top-hat rail. 230 V and 24 V variants exist.

#### Control options:

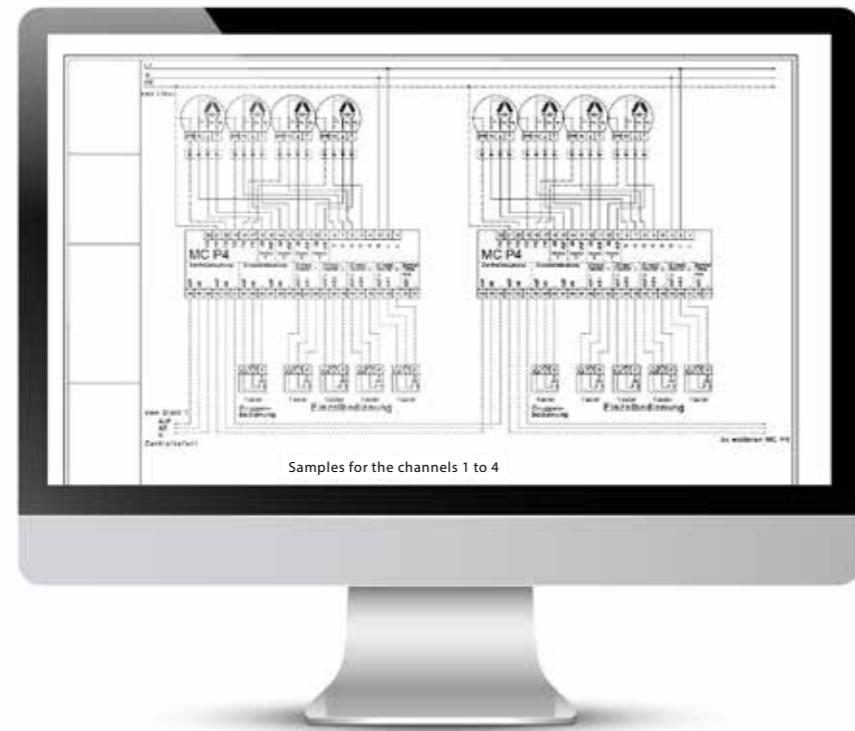
- Coloured touch display
- The individual control of the sun protection units is made with common buttons (usually provided on site). They are connected to the respective individual button inputs of the motor controls. Group control is also easily possible with the group button inputs of the motor controls.
- Various operating modes depending on the sun protection product offer a great ease of operation, e.g. operating mode "venetian blind": Inching mode up to 2 s, then latching.
- Every channel has an external input
- Easy connection of external systems or remote control per channel possible
- Input for RWA or fire protection system available
- Input for maintenance, e.g. window cleaner, available
- Central control with operation via coloured touch display for two or four potential-free groups to control motors or motor controls (of the R and P series).
- 24 VDC / 230 VAC.
- Sensor connections (max.): 2 wind sensors  
4 / 8 lux sensors  
1 rain- / frost sensor  
2 temperature sensors  
1 DCF 77  
1 fire alarm system  
1 maintenance switch

#### Special features:

- No delay → conventional control
- Remote control possible (MC P4 VRS) → teaching method extremely easy
- High resistance to interference → inputs are pulled to ground
- Integrated logbook
- Parallel connection of the individual button inputs possible
- Motor runtime can be set for single control

## Operating and installation instructions

erfal provides all operating and installation instructions for downloading in the specialist retailer section at [www.erfal.de](http://www.erfal.de).





Drive and control programme – Objecta  
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