

# R\_03 roller blind technical data



**04-3302 bracket | operating chain**  
Page 120–121



**04-3303 bracket | operating chain**  
Page 122–123



**04-3304 bracket | electric drive**  
Page 124–125



**04-3305 bracket | battery-operated radio drive**  
Page 126–127



**04-3300 bracket | operating chain (R\_03.BASIC)**  
Page 128–129



**04-3342 cassette | operating chain**  
Page 130–131



**04-3352 cassette | operating chain side guide profile**  
Page 132–133



**04-3343 cassette | Soft**  
Page 134–135



**04-3344 cassette | electric drive**  
Page 136–137



**04-3354 cassette | electric drive side guide profile**  
Page 138–139



**04-3345 cassette | battery-operated radio drive**  
Page 140–141



**04-3355 cassette | battery-operated radio drive side guide profile**  
Page 142–143



**04-3346 cassette | crank**  
Page 144–145

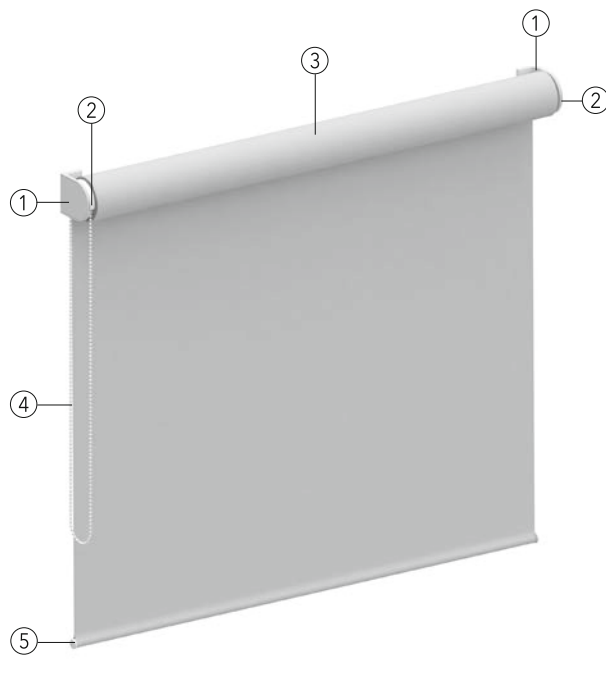


**04-3356 cassette | crank side guide profile**  
Page 146–147

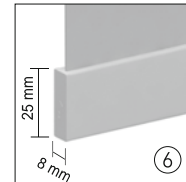
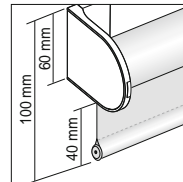
Technical data

# 04-3302 R\_03 bracket | operating chain

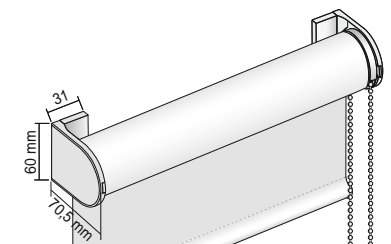
## Hardware



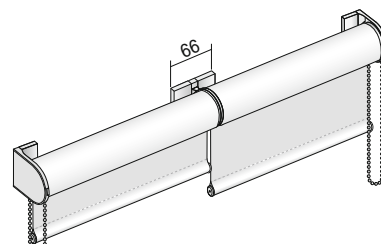
- ① Basic bracket
- ② Clamp
- ③ Roller blind tube with fabric
- ④ Child safety bead chain
- ⑤ Internal weighted rod
- ⑥ External weighted rod, square
- ⑦ Side guide



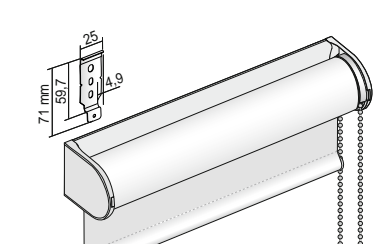
## Installation options



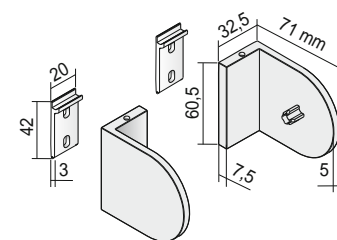
Wall/ceiling installation with bracket



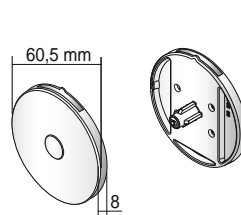
Bracket mounting of non-linked blind fabric (2 drives)



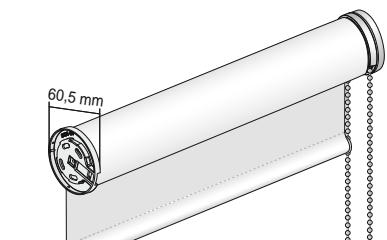
Wall/ceiling installation with mounting rail and clip  
**Note:** mounting rail with new clip available from 06/2025.



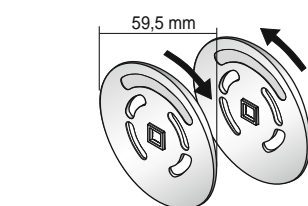
Aluminium wall bracket



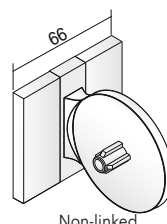
Mount, adjustable, for bracket/mounting rail bracket, adjustable



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm



Centre bracket for non-linked blind fabric

## 04-3302 R\_03 bracket | operating chain

## Technical data

Model: 04-3302

Operation options: - Operating chain

Equipment: - Bracket

**Description:** **Operating chain:** Chain operation roller blind with integrated smooth-running chain gear and spring support, depending on the blind fabric weight. Chain sprocket cover and brake, adjustable top end position, transparent child safety bead chain. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Internal steel tube weighted rod Ø 12 mm, white-coated.

Optional: Non-linked blind fabric

Hardware colours:

172 white (RAL 9016)	671 black (RAL 9005)
611 anthracite grey (RAL 7016)	901 silver coloured (RAL 9006)
651 anthracite (DB 703)	

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
	Operating chain with safety breaking system	From 19 cm	Up to 280 cm	300 cm*
	Metal chain/operation chain without safety breaking system/antibacterial operating chain	From 19 cm	Up to 280 cm	300 cm
	Operating chain with safety breaking system Non-linked blind fabric	From 40 cm	Up to 2 x 280 cm	300 cm*
	Metal chain/operation chain without safety breaking system/antibacterial operating chain Non-linked blind fabric	From 40 cm	Up to 2 x 280 cm	300 cm

\* From 250.1 cm with operation chain without safety breaking system/metal chain only

Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing.

If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

Fabrics: See MHZ Collection.

MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.

Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

**Fabric size:** See page 166-167 for precise information on how to calculate the fabric size.

**Additional equipment:**

- Antibacterial chain for chain without safety breaking system
- Transparent plastic chain with black cord (standard with 611 and 671)
- Metal chain silver/bronze/black (with safety tensioner)  
operation chain without safety breaking system (with safety tensioner)
- External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm
- Mounting rail with clip
- Recess bracket (172, 651, 901)
- Side guide only for internal weighted rod and single units
- Non-linked blind fabric
- Bracket/mounting rail bracket and sun protection carrier
- Aluminium wall bracket

**Non-linked blind fabric:** The two roller blinds are calculated individually according to size and PG plus the specified surcharge.  
Light gap of 1.6 cm between the blind fabrics. Not for mounting rail.

Installation:	Bracket:	Mounting rail:	Recess installation:
	<ul style="list-style-type: none"> <li>- Bracket for wall and ceiling installation</li> <li>- Clamp bracket</li> <li>- Extension pieces for larger wall clearances</li> </ul>	<ul style="list-style-type: none"> <li>- Mounting clip for wall and ceiling installation</li> <li>- Up to 100 cm width: 2 clips</li> <li>- Up to 200 cm width: 4 clips</li> <li>- Up to 250 cm width: 5 clips</li> <li>- Up to 280 cm width: 6 clips</li> </ul>	<ul style="list-style-type: none"> <li>- Bracket for recess installation</li> <li>- Size can be adjusted by 3.5 mm with 2 compensating shims or 2.5° per compensating shim</li> </ul>

**Operation:** Transparent operating chain with safety breaking system, metal chain or operation chain without safety breaking system/antibacterial operation chain without safety breaking system (endless chain) with safety tensioner. Chain gear and spring support adapted to the blind unit size and blind fabric weight.

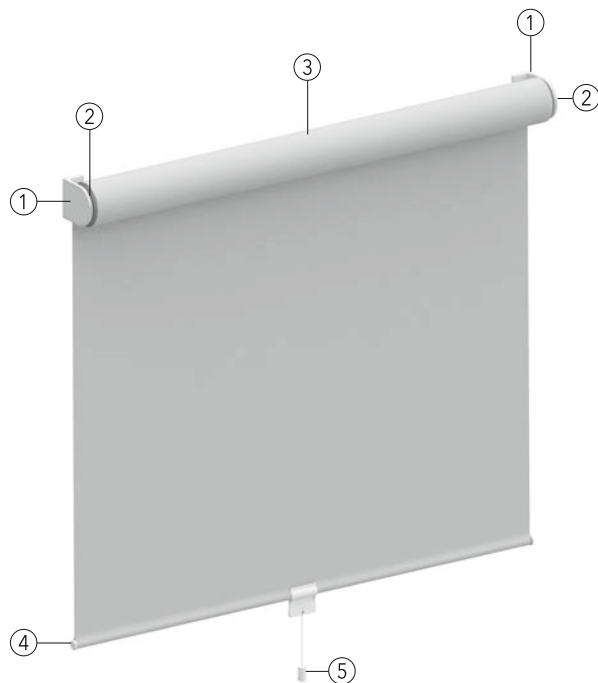
**Operation lengths:** Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 300 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).

**Child safety:** Please see the note on page 193.

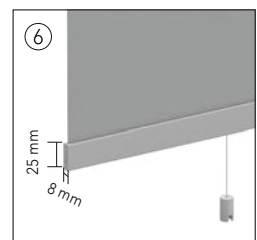
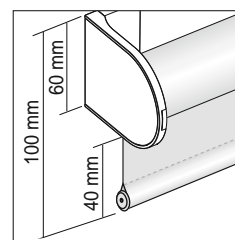
Technical  
data

# 04-3303 R\_03 bracket | Soft

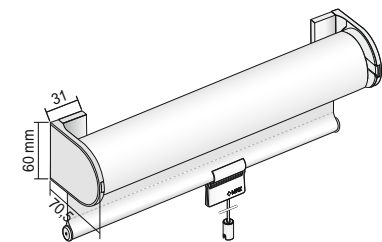
## Hardware



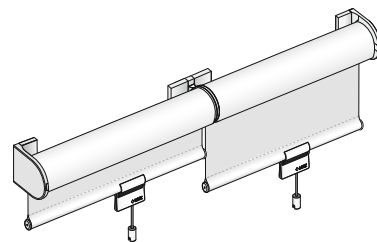
- ① Basic bracket
- ② Clamp
- ③ Roller blind tube with fabric
- ④ Internal weighted rod
- ⑤ Operating tassel
- ⑥ External weighted rod, square



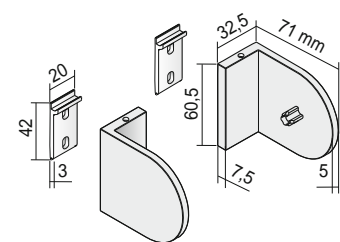
## Installation options



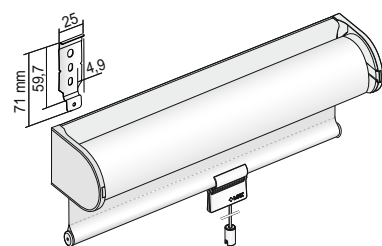
Wall/ceiling installation with bracket



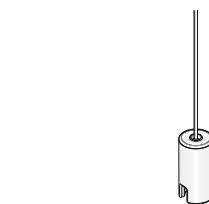
Bracket mounting of non-linked blind fabric (2 drives)



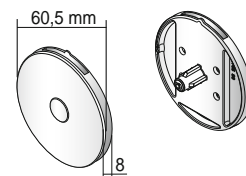
Aluminium wall bracket



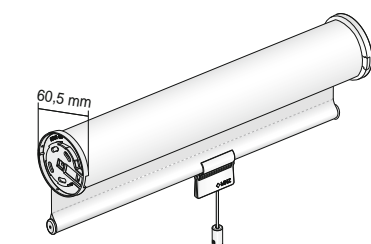
Wall/ceiling installation with mounting rail and clip  
**Note:** mounting rail with new clip available from 06/2025.



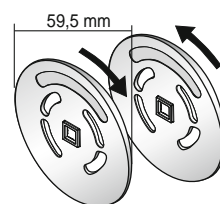
Tassel for external weighted rod



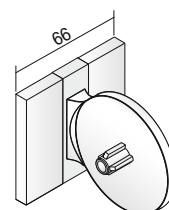
Mount, adjustable, for bracket/mounting rail bracket, adjustable



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm



Centre bracket for non-linked blind fabric

Model:	04-3303
Operation options:	- Central pull cord with Soft drive
Equipment:	- Bracket
Description:	Central pull cord roller blind with internal spring drive with adjustable constant roll-up speed and adjustable end stop, extruded aluminium roller blind tube, Ø 27.4 mm up to width 140 cm, Ø 40 mm up to width 200 cm. Release the lock by pulling the operating tassel briefly. Internal steel tube weighted rod Ø 12 mm, white-coated. <b>Optional:</b> Non-linked blind fabric

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

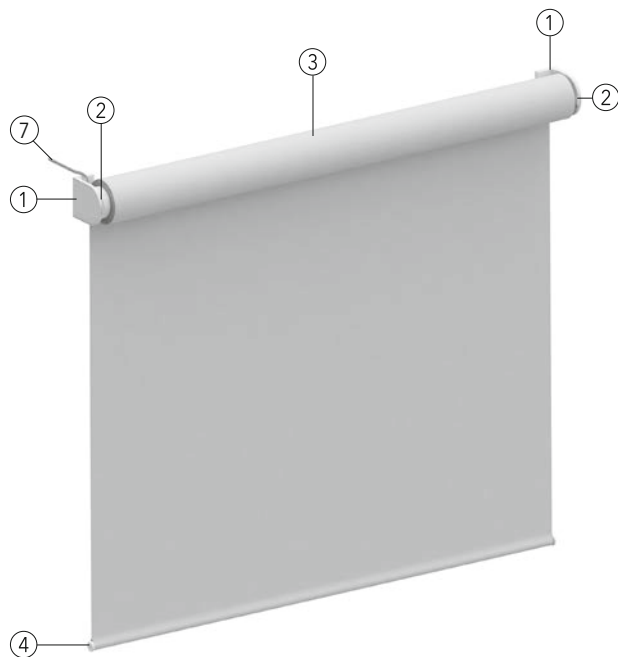
Fabric size: See page 166-167 for precise information on how to calculate the fabric size.

**Non-linked blind fabric:** The two roller blinds are calculated individually according to size and PG plus the specified surcharge.  
Light gap of 1.6 cm between the blind fabrics.

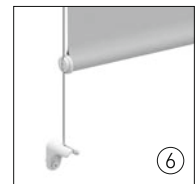
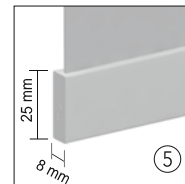
Operation lengths: Operation length of 20 cm according to DIN EN 13120, operation length of 80 cm on request.  
Other operation lengths available on request (surcharge applies).

# 04-3304 R\_03 bracket | electric drive

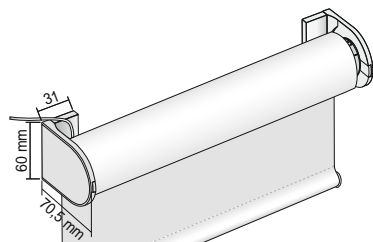
## Hardware



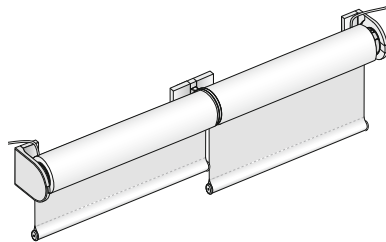
- ① Basic bracket
- ② Clamp
- ③ Roller blind tube with fabric
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide
- ⑦ Cable



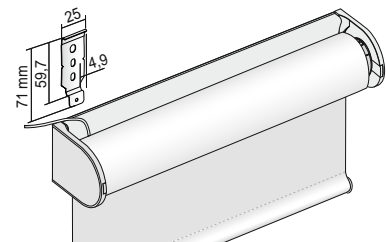
## Installation options



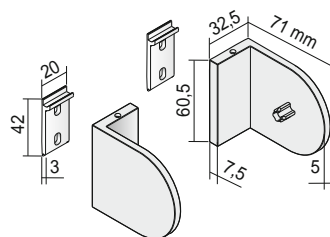
Wall/ceiling installation with bracket



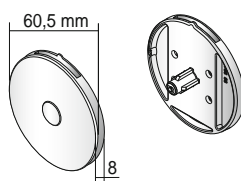
Bracket mounting of non-linked blind fabric (2 drives)



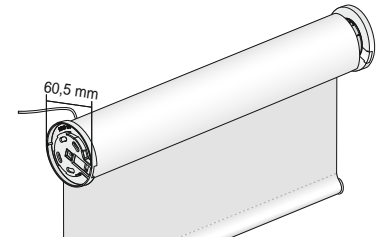
Wall/ceiling installation with mounting rail and clip  
**Note:** mounting rail with new clip available from 06/2025.



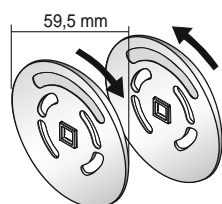
Aluminium wall bracket.  
Not suitable for 230 V drives.



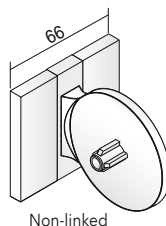
Mount, adjustable, for bracket/  
mounting rail bracket, adjustable



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm



Centre bracket for non-linked blind fabric

# 04-3304 R\_03 bracket | electric drive

## Technical data

**Model:** 04-3304

**Operation options:** - Radio/electric drive 24 V - Radio/electric drive 230 V  
- PowerView® radio drive 230 V Gen 3

**Equipment:** - Bracket

**Description:** Electric roller blind 24 V with Roll Up 28 WT drive, with adjustable final position switch-off, extruded aluminium roller blind tube Ø 29 mm up to width 180 cm; with Sonesse 30 DCT drive extremely low noise and with adjustable final position switch-off or with Sonesse 30 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off, extruded aluminium roller blind tube ø 40 mm up to width 280 cm. Internal steel tube weighted rod Ø 12 mm, white-coated.

Electric roller blind 230 V with M40-330 PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.

Electric roller blind 230 V with LS 40 WT drive with adjustable final position switch-off; with Sonesse 40 WT drive extremely low noise, with adjustable final position switch-off; with Sonesse 40 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 40 RTS with integrated radio receiver, with adjustable final position switch-off. Aluminium roller blind tube, Ø 44 mm up to width 280 cm, extruded. Internal steel tube weighted rod Ø 12 mm, white-coated.

Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate Electrical Price List.

Optional: Non-linked blind fabric

**Hardware colours:** 172 white (RAL 9016) 671 black (RAL 9005)  
611 anthracite grey (RAL 7016) 901 silver coloured (RAL 9006)  
651 anthracite (DB 703)

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

**Dimensions:**

Operation/Function	Blind unit sizes		
	Min. width	Max. width	Max. height
Electric drive 24 V, Roll Up 28 WT	From 38 cm	Up to 180 cm	280 cm
Electric drive/radio drive 24 V, Sonesse 30 DCT, Sonesse 30 RTS	From 54 cm	Up to 280 cm	300 cm
Radio drive 230 V, M40-330 PowerView® Gen 3	From 70 cm	Up to 280 cm	300 cm
Electric drive 230 V, Sonesse 40 WT, LS 40 WT	From 56 cm	Up to 280 cm	300 cm
Radio drive 230 V, Sonesse 40 RTS, Altus 40 RTS	From 60 cm	Up to 280 cm	300 cm
Radio drive 230 V, Sonesse 40 io	From 60 cm	Up to 280 cm	300 cm
Non-linked blind fabric	2 x min. width electric drive	Up to 2 x 280 cm	300 cm

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing.

If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

**Fabrics:** See MHZ Collection.

MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.

Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

**Fabric size:** See page 166-167 for precise information on how to calculate the fabric size.

**Additional equipment:** - External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm  
- Mounting rail with clip  
- Recess bracket (172, 651, 901)  
- Side guide only for internal weighted rod and single units  
- Non-linked blind fabric  
- Bracket/mounting rail bracket and sun protection carrier. Not suitable for PowerView®.  
- Aluminium wall bracket (not suitable for PowerView®)

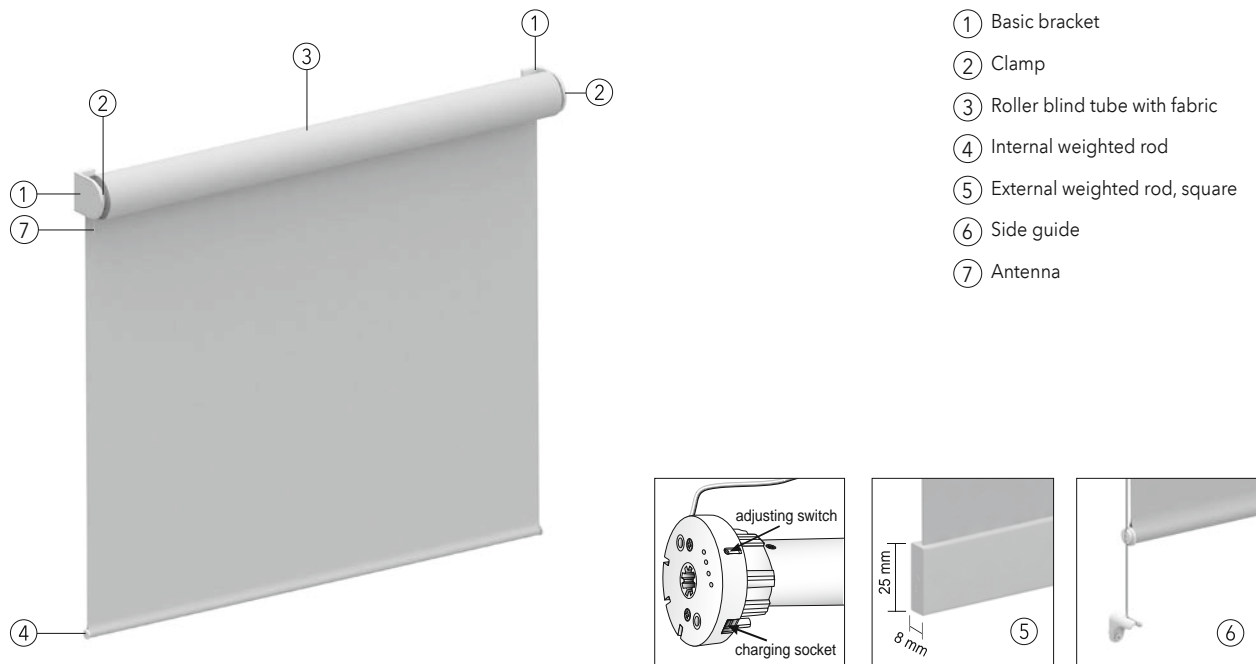
**Non-linked blind fabric:** The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics. Not for mounting rail.

Installation:	Bracket mounting:	Mounting rail:	Recess installation:
	- Bracket for wall and ceiling installation - Clamp bracket - Extension pieces for larger wall clearances	- Mounting clip for wall and ceiling installation - Up to 100 cm width: 2 clips - Up to 200 cm width: 4 clips - Up to 250 cm width: 5 clips - Up to 280 cm width: 6 clips	- Bracket for recess installation - Size can be adjusted by 3.5 mm with 2 compensating shims or 2.5° per compensating shim

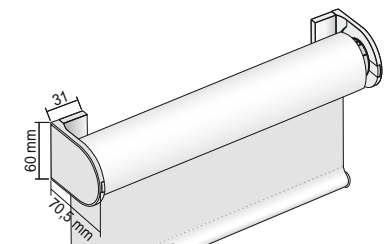
Technical data

# 04-3305 R\_03 bracket | battery-operated radio drive

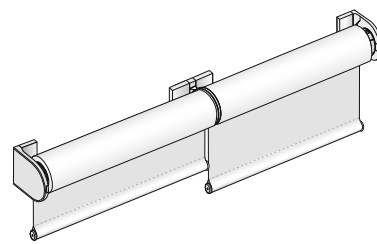
## Hardware



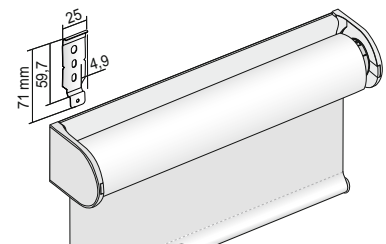
## Installation options



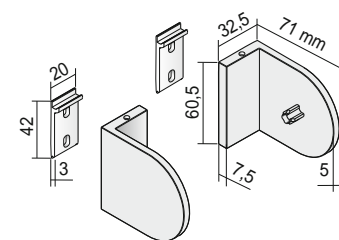
Wall/ceiling installation with bracket



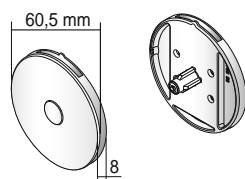
Bracket mounting of non-linked blind fabric (2 drives)



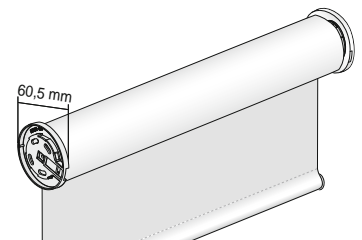
Wall/ceiling installation with mounting rail and clip  
**Note:** mounting rail with new clip available from 06/2025.



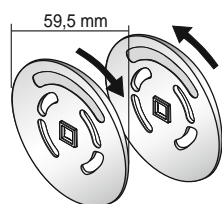
Aluminium wall bracket.  
Not suitable for PowerView®.



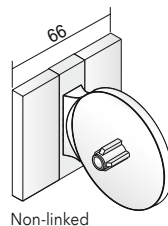
Mount, adjustable, for bracket/mounting rail bracket, adjustable



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm



Centre bracket for non-linked blind fabric



## 04-3305 R\_03 bracket | battery-operated radio drive

## Technical data

Model:

04-3305

Operation options:

- PowerView® Gen 3 battery-operated radio drive 3.65 V

- Battery-operated radio drive 12 V

Equipment:

- Bracket

Description:

Battery-operated roller blind 3.65 V with M25T IRB PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.

Battery-operated roller blind 12 V with integrated radio receiver and adjustable final position switch-off. Extruded aluminium roller blind tube, Ø 40 mm. Internal steel tube weighted rod Ø 12 mm, white-coated.

For electrical accessories, see the separate MHZ Electrical Accessories Price List.

Optional: Non-linked blind fabric

Hardware colours:

172 white (RAL 9016)

611 anthracite grey (RAL 7016)

651 anthracite (DB 703)

671 black (RAL 9005)

901 silver coloured (RAL 9006)

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

Dimensions:

Operation/Function	Blind unit sizes			
	Min. width	Max. width	Max. height	Max. blind fabric weight*
PowerView® Gen 3 battery-operated radio drive 3.65 V, M25T IRB	From 55 cm	Up to 280 cm	300 cm	3 kg
Battery-operated radio drive 12 V, Roll Up 28 RTS	From 57.5 cm	Up to 200 cm	200 cm	2 kg
Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS	From 72 cm	Up to 280 cm	300 cm	3 kg
Non-linked blind fabric	From 110 cm	Up to 2 x 280 cm	300 cm	2 x 3 kg

Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

Fabrics:

See MHZ Collection.

MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.

Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

Fabric size:

See page 166-167 for precise information on how to calculate the fabric size.

Additional equipment:

- External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm

- Mounting rail with clip

- Recess bracket (172, 651, 901)

- Side guide only for internal weighted rod and single units

- Non-linked blind fabric

- Bracket/mounting rail bracket and sun protection carrier. Not suitable for PowerView®.

- Aluminium wall bracket (not suitable for PowerView®)

Non-linked blind fabric:

The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics. Not for mounting rail.

Installation:

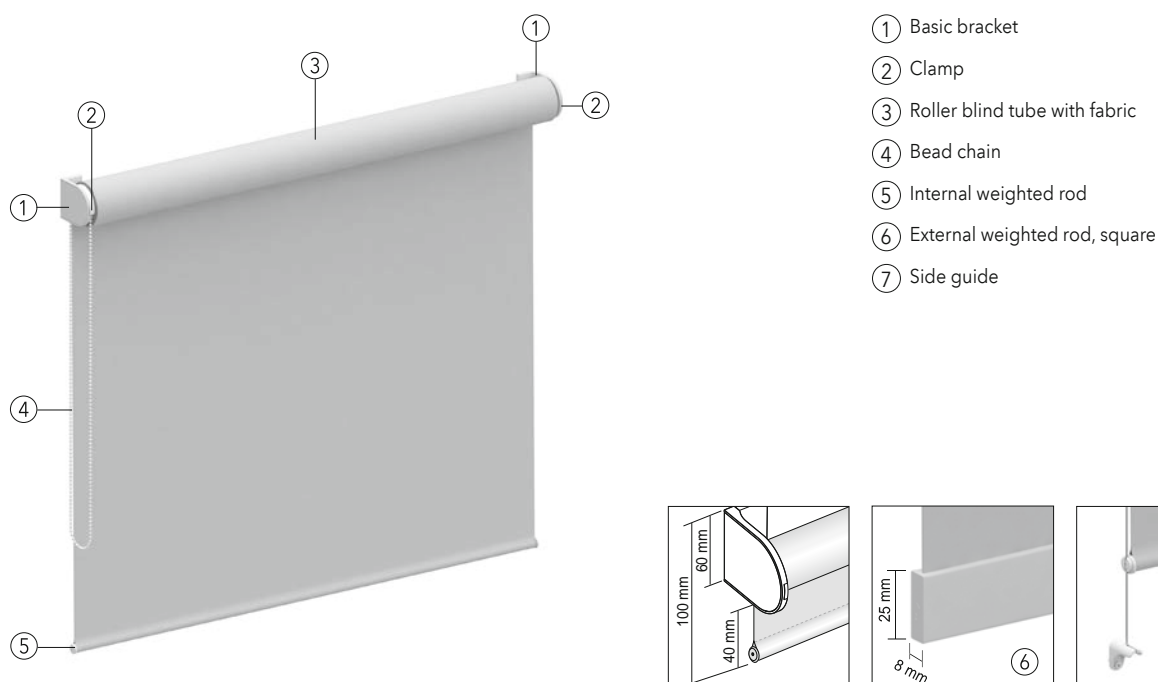
Bracket mounting:	Mounting rail:	Recess installation:
<div><div>- Bracket for wall and ceiling installation</div><div>- Clamp bracket</div><div>- Extension pieces for larger wall clearances</div></div>	<div><div>- Mounting clip for wall and ceiling installation</div><div>- Up to 100 cm width: 2 clips</div><div>- Up to 200 cm width: 4 clips</div><div>- Up to 250 cm width: 5 clips</div><div>- Up to 280 cm width: 6 clips</div></div>	<div><div>- Bracket for recess installation</div><div>- Size can be adjusted by 3.5 mm with 2 compensating shims or 2.5° per compensating shim</div></div>

\* Sample calculation for blind fabric weight:

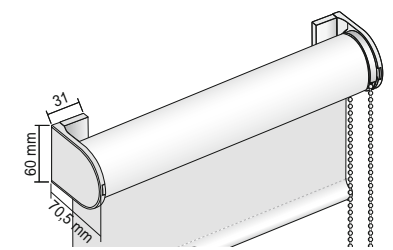
	Fabric (weight): MALA 2-1211	Weighted rod (weight)	Area (W x H): 2 m x 1 m	Total weight
Internal weighted rod	200 g/m²	190 g/m	2 m²	2 x 200 g + 2 x 190 g = 780 g
Weighted rod, square	200 g/m²	250 g/m	2 m²	2 x 200 g + 2 x 250 g = 900 g

# 04-3300 R\_03 bracket | operating chain

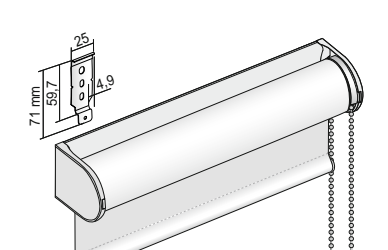
## Hardware



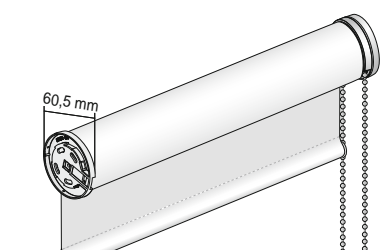
## Installation options



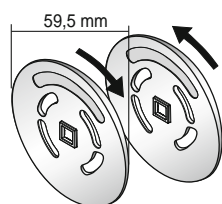
Wall/ceiling installation with bracket



Wall/ceiling installation with mounting rail and clip  
**Note:** mounting rail with new clip available from 06/2025.



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm

## 04-3300 R\_03 bracket | operating chain

## Technical data

Model: 04-3300

Operation options: - Operating chain

Equipment: - Bracket

**Description:** **Operating chain:** Chain operation roller blind with integrated smooth-running chain gear. Chain sprocket cover and transparent bead chain. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Internal steel tube weighted rod Ø 12 mm, white-coated.

Hardware colours:

172 white (RAL 9016)	671 black (RAL 9005)
611 anthracite grey (RAL 7016)	901 silver coloured (RAL 9006)
651 anthracite (DB 703)	

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
	Operation chain / metal chain / operation chain without safety breaking system / antibacterial operating chain	From 19 cm	Up to 280 cm	300 cm

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

Fabrics: See MHZ Collection.  
MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.  
Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

**Fabric size:** See page 166-167 for precise information on how to calculate the fabric size.

**Additional equipment:**


- Antibacterial chain for chain without safety breaking system
- Transparent plastic chain with black cord (standard with 611 and 671)
- Metal chain silver/bronze/black (with safety tensioner)  
operation chain without safety breaking system (with safety tensioner)
- External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm
- Mounting rail with clip
- Recess bracket (172, 651, 901)
- Side guide only for internal weighted rod and single units

Installation:	Bracket:	Mounting rail:
	<ul style="list-style-type: none"> <li>- Bracket for wall and ceiling installation</li> <li>- Clamp bracket</li> <li>- Extension pieces for larger wall clearances</li> </ul>	<ul style="list-style-type: none"> <li>- Mounting clip for wall and ceiling installation</li> <li>- Up to 100 cm width: 2 clips</li> <li>- Up to 200 cm width: 4 clips</li> <li>- Up to 250 cm width: 5 clips</li> <li>- Up to 280 cm width: 6 clips</li> </ul>

Operation: Transparent operating chain, metal chain or operation chain without safety breaking system/antibacterial operation chain without safety breaking system (endless chain) with safety tensioner.

**Operation lengths:** Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 300 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).

**Note:**

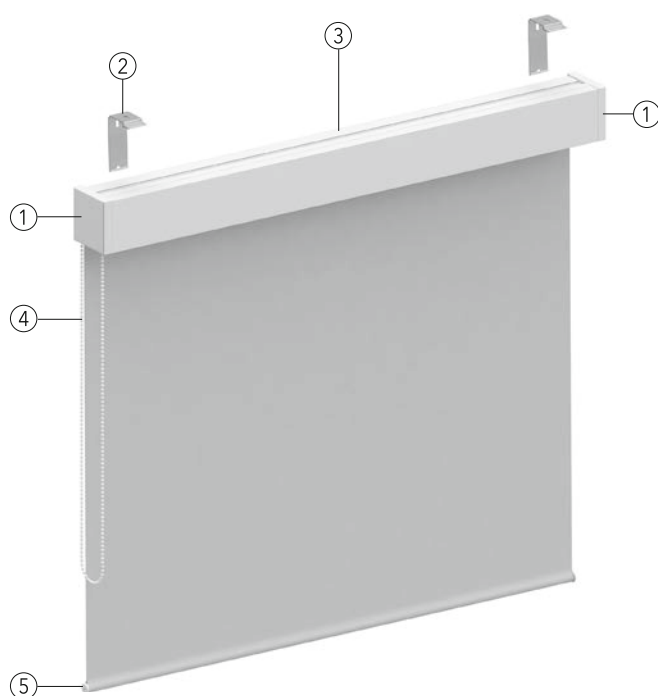
 **Please note:**

- No spring motor support.
- No child safety chain with safety breaking system.
- Operation chain without safety breaking system and safety tensioner.
- No end position adjustment possible.
- Optional: chain stopper with 1:1 gear without safety tensioner (not childproof according to DIN EN 13120!)

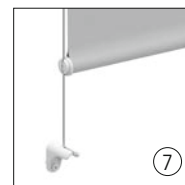
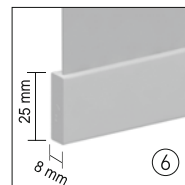
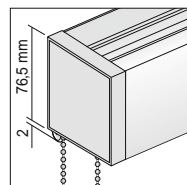
Technical  
data

# 04-3342 R\_03 cassette | operating chain

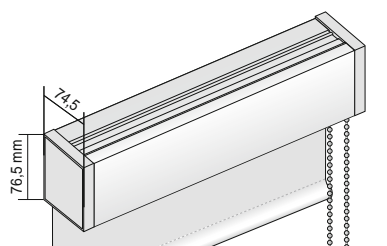
## Hardware



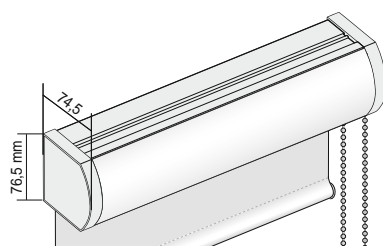
- ① Chain operation housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Child safety bead chain
- ⑤ Internal weighted rod
- ⑥ External weighted rod, square
- ⑦ Side guide



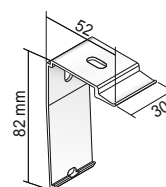
## Installation options



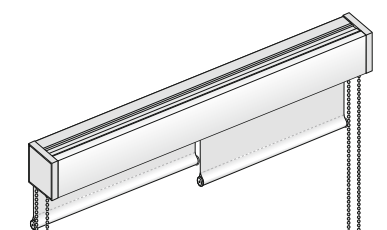
Cassette, square  
wall/ceiling installation



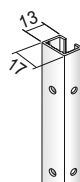
Cassette, round  
wall/ceiling installation



Bracket for wall/ceiling installation



Cassette  
non-linked blind fabric (2 drives)



Elevated track: Side guide profile  
(weighted rod guide)

## 04-3342 R\_03 cassette | operating chain

## Technical data

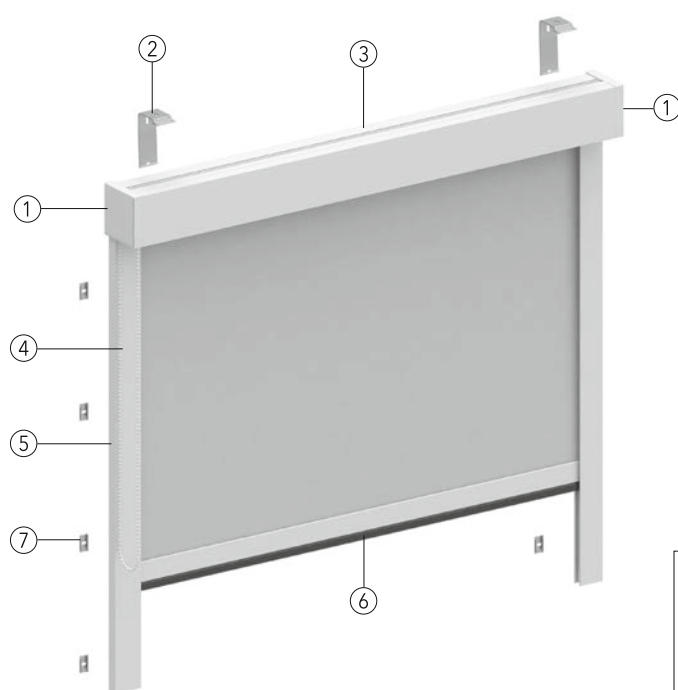
Model:	<b>04-3342</b>																									
Operation options:	- Operating chain																									
Equipment:	- Cassette, round - Cassette, square																									
Description:	Chain operation roller blind with integrated smooth-running chain gear and spring support, depending on the blind fabric weight. Adjustable top end position, transparent child safety bead chain. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated.  <b>Optional:</b> Non-linked blind fabric																									
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)  671 black (RAL 9005) 901 silver coloured (RAL 9006)  All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.																									
Dimensions:	<table> <tr> <th rowspan="2">Operation/Function</th><th colspan="3">Blind unit sizes</th></tr> <tr> <th>Min. width</th><th>Max. width</th><th>Max. height</th></tr> <tr> <td>Operating chain with safety breaking system</td><td>From 22.5 cm</td><td>Up to 280 cm</td><td>300 cm*</td></tr> <tr> <td>Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system</td><td>From 22.5 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Operating chain with safety breaking system Non-linked blind fabric</td><td>From 45 cm</td><td>Up to 2 x 280 cm</td><td>300 cm*</td></tr> <tr> <td>Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system Non-linked blind fabric</td><td>From 45 cm</td><td>Up to 2 x 280 cm</td><td>300 cm</td></tr> </table> <p>* From 250.1 cm with operation chain without safety breaking system/metal chain only</p> <p><b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.</p>			Operation/Function	Blind unit sizes			Min. width	Max. width	Max. height	Operating chain with safety breaking system	From 22.5 cm	Up to 280 cm	300 cm*	Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system	From 22.5 cm	Up to 280 cm	300 cm	Operating chain with safety breaking system Non-linked blind fabric	From 45 cm	Up to 2 x 280 cm	300 cm*	Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system Non-linked blind fabric	From 45 cm	Up to 2 x 280 cm	300 cm
Operation/Function	Blind unit sizes																									
	Min. width	Max. width	Max. height																							
Operating chain with safety breaking system	From 22.5 cm	Up to 280 cm	300 cm*																							
Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system	From 22.5 cm	Up to 280 cm	300 cm																							
Operating chain with safety breaking system Non-linked blind fabric	From 45 cm	Up to 2 x 280 cm	300 cm*																							
Metal chain/operation chain without safety breaking system/antibacterial operation chain without safety breaking system Non-linked blind fabric	From 45 cm	Up to 2 x 280 cm	300 cm																							
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.																									
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																									
Additional equipment:	- Antibacterial chain for chain without safety breaking system - Transparent plastic chain with black cord (standard with 611 and 671) - Metal chain silver/bronze/black (with safety tensioner) operation chain without safety breaking system (with safety tensioner) - External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm - Side guide only for internal weighted rod and single units - Non-linked blind fabric - Side guide profile, weighted rod guide (elevated track)																									
Non-linked blind fabric:	The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics.																									
Installation:	Bracket:  - Bracket for wall and ceiling installation. Up to 100 cm width: 2 brackets; up to 150 cm width: 3 brackets; up to 200 cm width: 4 brackets; up to 250 cm width: 5 brackets; up to 280 cm width: 6 brackets.																									
Operation:	Transparent child safety bead chain, metal chain and operation chain without safety breaking system (endless chain) with safety tensioner. Chain gear and spring support adapted to the blind unit size and blind fabric weight.																									
Operation lengths:	Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 300 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).																									
Child safety:	Please see the note on page 193.																									

Technical  
data

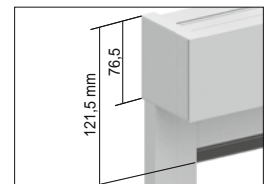
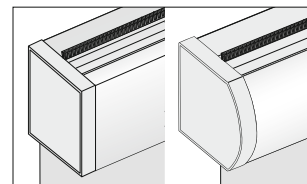
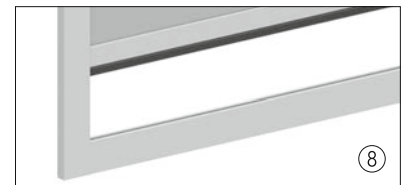
# 04-3352 R\_03 cassette | operating chain

## Side guide profile

### Hardware

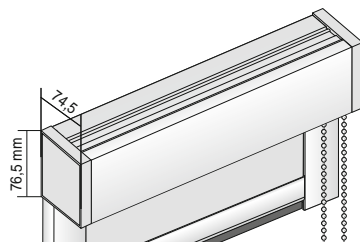


- ① Chain operation housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Child safety bead chain
- ⑤ Side guide profile
- ⑥ External weighted rod with sealing lip
- ⑦ Mounting clip for side guide profile
- ⑧ Bottom rail

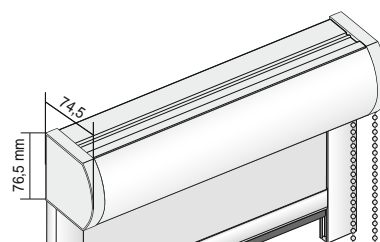


Cassette with brush seal

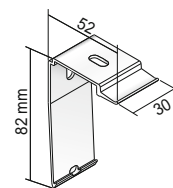
### Installation options



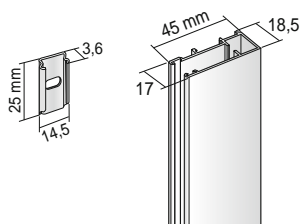
Cassette, square, side guide profile wall/ceiling installation



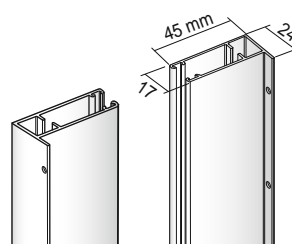
Cassette, round, side guide profile wall/ceiling installation



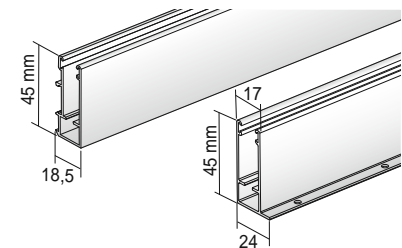
Bracket for wall/ceiling installation



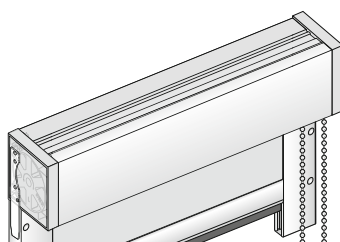
Side guide profile (not for elevated track), wall installation (front)



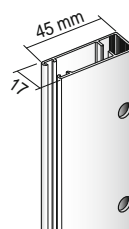
Side guide profile (not for elevated track), recess installation



Bottom rails



Elevated track with side guide profile and fabric guide



Elevated track: Side guide profile fabric guide, bottom rail

## 04-3352 R\_03 cassette | operating chain

## Side guide profile

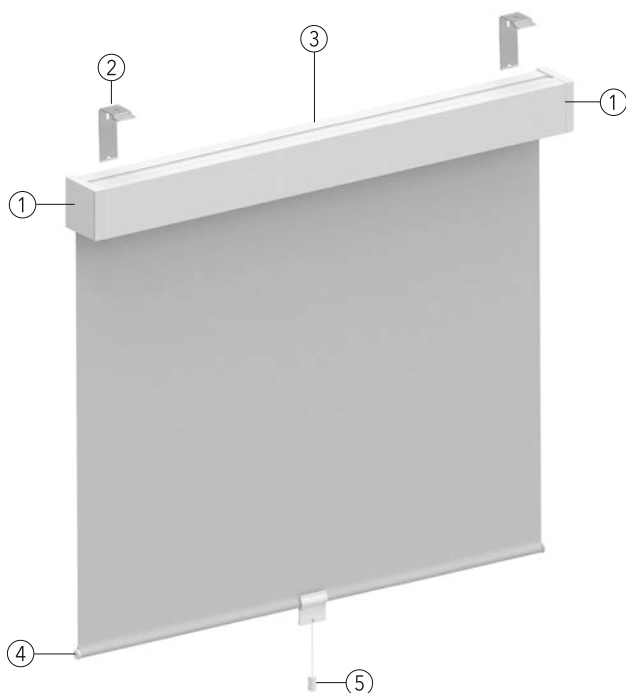
## Technical data

<b>Model:</b>	<b>04-3352</b>		
<b>Operation options:</b>	- Operating chain		
<b>Equipment:</b>	- Cassette, round, with side guide profile - Cassette, square, with side guide profile		
<b>Description:</b>	Chain operation roller blind with integrated smooth-running chain gear and spring support, depending on the blind fabric weight. Adjustable top end position, transparent child safety bead chain. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 6 x 31 mm with sealing lip.		
<b>Hardware colours:</b>	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)	671 black (RAL 9005) 901 silver coloured (RAL 9006)	
	All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.		
<b>Dimensions:</b>	<b>Operation/Function</b>	<b>Blind unit sizes</b>	
		<b>Min. width</b>	<b>Max. width</b>
			<b>Max. height</b>
	Operating chain with safety breaking system	From 22.5 cm	Up to 280 cm
	Metal chain, operation chain without safety breaking system/antibacterial operation chain without safety breaking system	From 22.5 cm	Up to 280 cm
			300 cm*
			300 cm
	* From 250.1 cm with operation chain without safety breaking system/metal chain only		
	<b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.		
<b>Fabrics:</b>	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.		
<b>Fabric size:</b>	See page 166-167 for precise information on how to calculate the fabric size.		
<b>Additional equipment:</b>	- Antibacterial chain for chain without safety breaking system - Transparent plastic chain with black cord (standard with 611 and 671) - Metal chain silver/bronze/black (with safety tensioner) operation chain without safety breaking system (with safety tensioner) - Side guide profile for recess and elevated track - Bottom rail - Brush seal (cassette mounting profile)		
<b>Elevated track:</b>	Cassette for attaching to side guide profiles. Available with fabric guide.		
<b>Installation:</b>	<b>Bracket:</b>	<b>Side guide profile:</b>	<b>Bottom rail:</b>
	- Bracket for wall and ceiling installation	- Mounting clip for wall installation (front)	- Mounting clip
	- Up to 100 cm width: 2 brackets	- Direct recess installation on straight frame	- Direct mounting
	- Up to 150 cm width: 3 brackets	- Up to 100 cm height: 6 clips	- Up to 200 cm width: 4 clips
	- Up to 200 cm width: 4 brackets	- Up to 200 cm height: 10 clips	- From 200.1 cm width: 6 clips
	- Up to 250 cm width: 5 brackets	- Up to 300 cm height: 14 clips	
	- Up to 280 cm width: 6 brackets		
<b>Operation:</b>	Transparent operating chain with safety breaking system, metal chain or operation chain without safety breaking system/antibacterial operation chain without safety breaking system (endless chain) with safety tensioner. Chain gear and spring support adapted to the blind unit size and blind fabric weight.		
<b>Operation lengths:</b>	Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 300 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).		
<b>Child safety:</b>	Please see the note on page 193.		
<b>Note:</b>	Cassette roller blinds and rail-guided units may only be lowered with the window closed. Otherwise there is the risk of a suction effect developing, which can pull the blind out of its side rails. If the unit is retracted in this condition, it may become damaged. Side guide profiles only have a dim-out effect.		

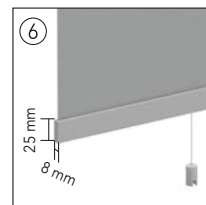
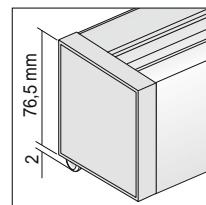
Technical  
data

# 04-3343 R\_03 cassette | Soft

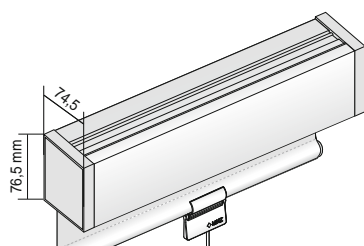
## Hardware



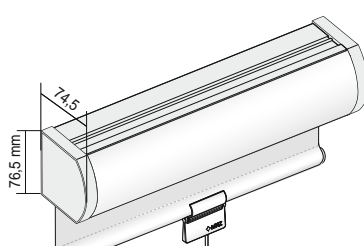
- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Internal weighted rod
- ⑤ Operating tassel
- ⑥ External weighted rod, square



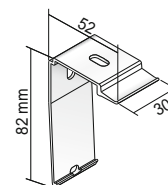
## Installation options



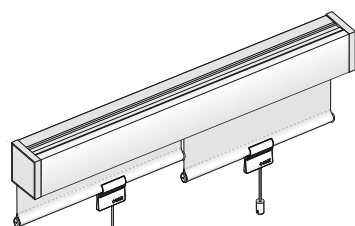
Cassette, square  
wall/ceiling installation



Cassette, round  
wall/ceiling installation



Bracket for wall/ceiling installation



Cassette  
non-linked blind fabric (2 drives)



Tassel for external weighted rod

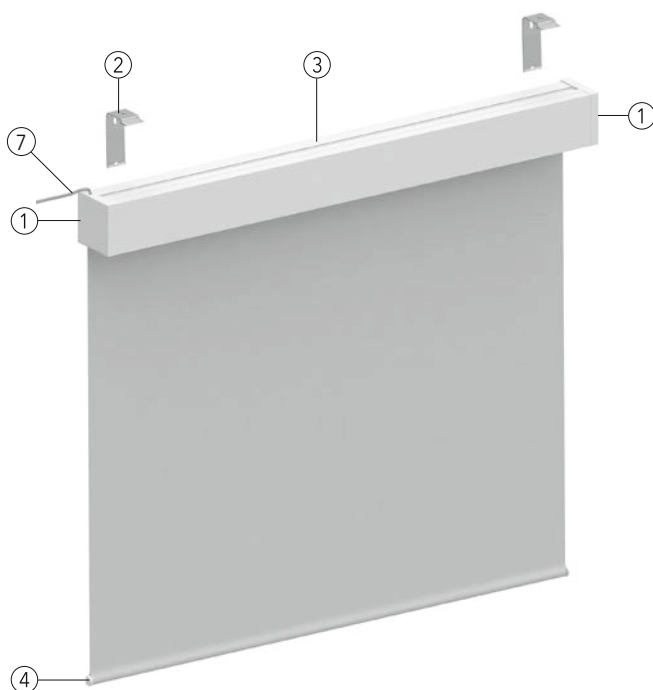


## Technical data

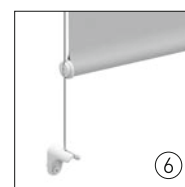
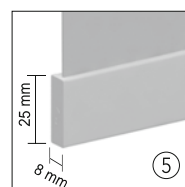
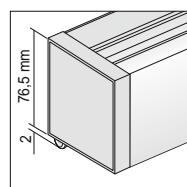
Model:	<b>04-3343</b>		
Operation options:	- Central pull cord with Soft drive		
Equipment:	- Cassette, round - Cassette, square		
Description:	Central pull cord roller blind with internal spring drive with adjustable constant roll-up speed and adjustable end stop, extruded aluminium roller blind tube, Ø 27.4 mm up to width 140 cm, Ø 40 mm up to width 200 cm. Release the lock by pulling the operating tassel briefly. Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated. <b>Optional:</b> Non-linked blind fabric		
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703) 671 black (RAL 9005) 901 silver coloured (RAL 9006) All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.		
Dimensions:	Operation/Function	Blind unit sizes	
		Min. width	Max. width
		Max. height	
	Central pull cord	From 67 cm From 78.5 cm	Up to 78.4 cm Up to 200 cm
	Non-linked blind fabric	From 134 cm From 2 x 78.5 cm	165 cm 250 cm 165 cm 250 cm
<b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.			
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.		
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.		
Additional equipment:	- External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm - Non-linked blind fabric		
Non-linked blind fabric:	The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics.		
Installation:	<b>Bracket:</b> - Bracket for wall and ceiling installation. Up to 100 cm width: 2 brackets; up to 150 cm width: 3 brackets; up to 200 cm width: 4 brackets.		
Operation lengths:	Operation length of 20 cm according to DIN EN 13120, operation length of 80 cm on request. Other operation lengths available on request (surcharge applies).		
Child safety:	Operation length of central pull cord: Unless otherwise specified by specialists, units are manufactured with an operation length of 20 cm.		

# 04-3344 R\_03 cassette | electric drive

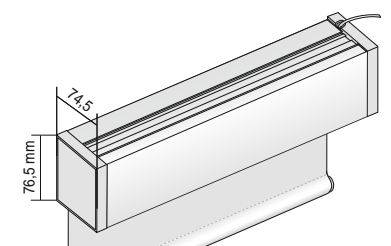
## Hardware



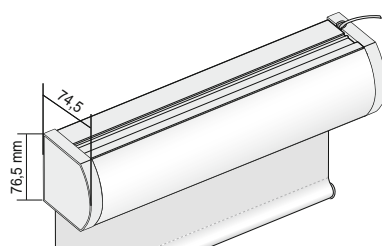
- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide
- ⑦ Cable



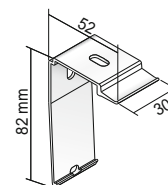
## Installation options



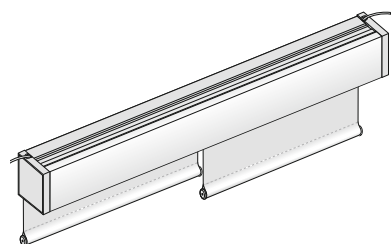
Cassette, square  
wall/ceiling installation



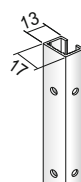
Cassette, round  
wall/ceiling installation



Bracket for wall/ceiling installation



Cassette  
non-linked blind fabric (2 drives)



Elevated track: Side guide profile  
(weighted rod guide)

# 04-3344 R\_03 cassette | electric drive

## Technical data

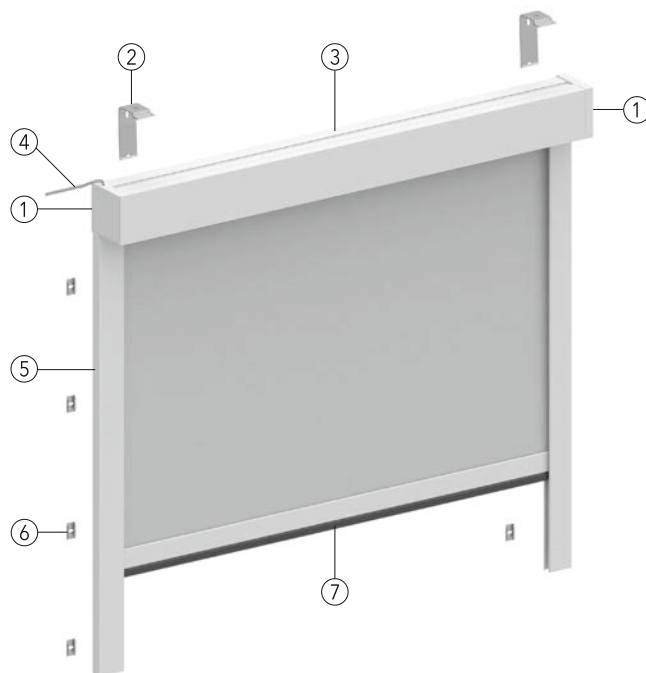
Model:	<b>04-3344</b>																																					
Operation options:	- Electric drive/radio drive 24 V - PowerView® Gen 3 electric drive 230 V - Electric drive 230 V																																					
Equipment:	- Cassette, round - Cassette, square																																					
Description:	<p>Electric roller blind 24 V with Roll Up 28 WT drive, with adjustable final position switch-off, extruded aluminium roller blind tube Ø 29 mm up to width 180 cm; with Sonesse 30 DCT drive extremely low noise and with adjustable final position switch-off or with Sonesse 30 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off, extruded aluminium roller blind tube, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated.</p> <p>Electric roller blind 230 V with M40-330 PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.</p> <p>Electric roller blind 230 V with LS 40 WT drive with adjustable final position switch-off; with Sonesse 40 WT drive extremely low noise, with adjustable final position switch-off; with Sonesse 40 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 40 RTS with integrated radio receiver, with adjustable final position switch-off. Aluminium roller blind tube, Ø 44 mm up to width 280 cm, extruded. Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated.</p> <p>Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate Electrical Price List.</p> <p>Optional: Non-linked blind fabric</p>																																					
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703) 671 black (RAL 9005) 901 silver coloured (RAL 9006)																																					
Dimensions:	<p>All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.</p> <table> <tr> <th rowspan="2">Operation/Function</th><th colspan="3">Blind unit sizes</th></tr> <tr> <th>Min. width</th><th>Max. width</th><th>Max. height</th></tr> <tr> <td>Electric drive 24 V, Roll Up 28 WT</td><td>From 38 cm</td><td>Up to 180 cm</td><td>280 cm</td></tr> <tr> <td>Electric drive/radio drive 24 V, Sonesse 30 DCT, Sonesse 30 RTS</td><td>From 54 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Radio drive 230 V, M40-330 PowerView® Gen 3</td><td>From 70 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Electric drive 230 V, Sonesse 40 WT, LS 40 WT</td><td>From 56 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Radio drive 230 V, Sonesse 40 RTS, Altus 40 RTS</td><td>From 60 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Radio drive 230 V, Sonesse 40 io</td><td>From 60 cm</td><td>Up to 280 cm</td><td>300 cm</td></tr> <tr> <td>Non-linked blind fabric</td><td>2 x min. width electric drive</td><td>Up to 2 x 280 cm</td><td>300 cm</td></tr> </table> <p><b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.</p>			Operation/Function	Blind unit sizes			Min. width	Max. width	Max. height	Electric drive 24 V, Roll Up 28 WT	From 38 cm	Up to 180 cm	280 cm	Electric drive/radio drive 24 V, Sonesse 30 DCT, Sonesse 30 RTS	From 54 cm	Up to 280 cm	300 cm	Radio drive 230 V, M40-330 PowerView® Gen 3	From 70 cm	Up to 280 cm	300 cm	Electric drive 230 V, Sonesse 40 WT, LS 40 WT	From 56 cm	Up to 280 cm	300 cm	Radio drive 230 V, Sonesse 40 RTS, Altus 40 RTS	From 60 cm	Up to 280 cm	300 cm	Radio drive 230 V, Sonesse 40 io	From 60 cm	Up to 280 cm	300 cm	Non-linked blind fabric	2 x min. width electric drive	Up to 2 x 280 cm	300 cm
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Non-linked blind fabric	2 x min. width electric drive	Up to 2 x 280 cm	300 cm																																			
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.																																					
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																																					
Additional equipment:	- Side guide only for internal weighted rod and single units - External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm - Non-linked blind fabric - Side guide profile, weighted rod guide (elevated track)																																					
Non-linked blind fabric:	The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics.																																					
Installation:	<b>Bracket:</b> - Bracket for wall and ceiling installation. Up to 100 cm width: 2 brackets; up to 150 cm width: 3 brackets; up to 200 cm width: 4 brackets; up to 250 cm width: 5 brackets; up to 280 cm width: 6 brackets.																																					
Note:	Cable outlet at top for wall installation, rear for ceiling installation																																					

Technical  
data

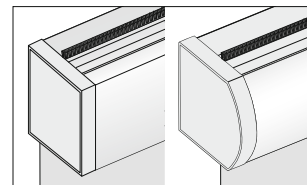
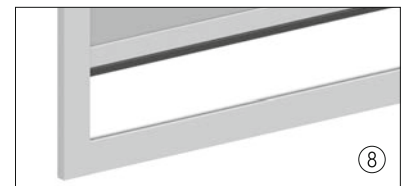
# 04-3354 R\_03 cassette | electric drive

## Side guide profile

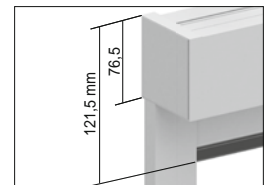
### Hardware



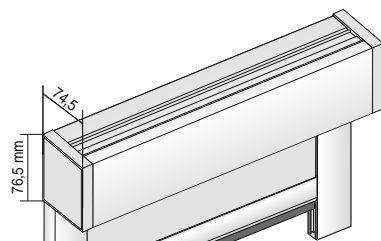
- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Cable
- ⑤ Side guide profile
- ⑥ Mounting clip for side guide profile
- ⑦ External weighted rod with sealing lip
- ⑧ Bottom rail



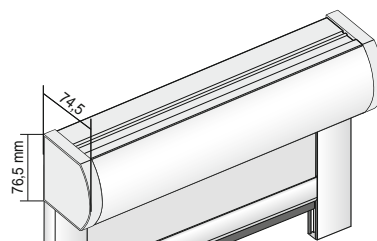
Cassette with brush seal



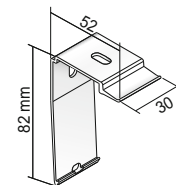
### Installation options



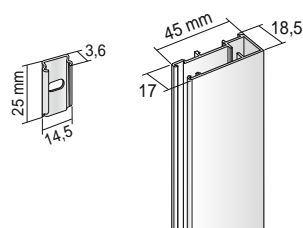
Cassette, square, side guide profile wall/ceiling installation



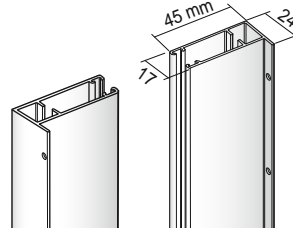
Cassette, round, side guide profile wall/ceiling installation



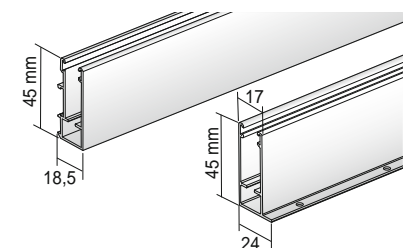
Bracket for wall/ceiling installation



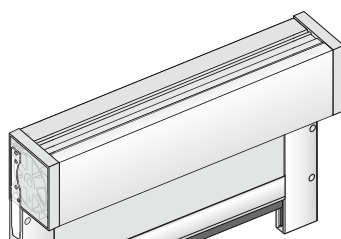
Side guide profile (not for elevated track), wall installation (front)



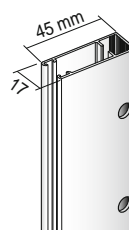
Side guide profile (not for elevated track), recess installation



Bottom rails



Elevated track with side guide profile and fabric guide



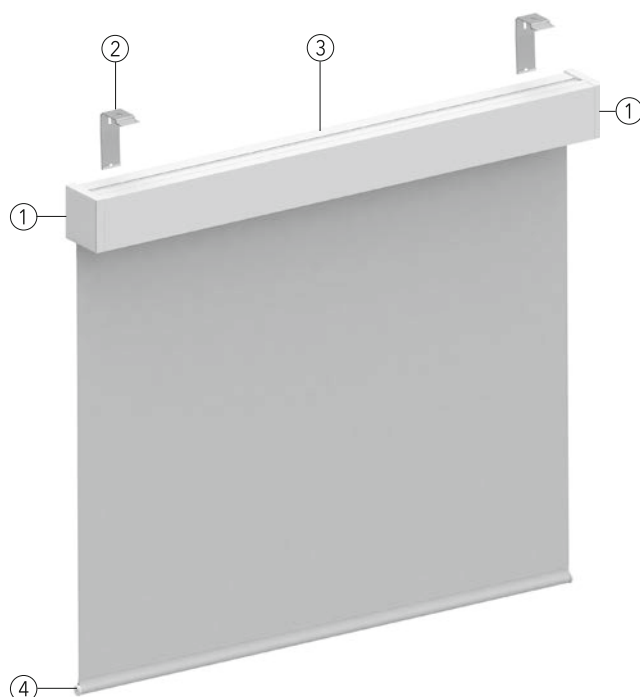
Elevated track: Side guide profile fabric guide, bottom rail

## Technical data

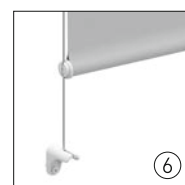
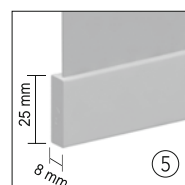
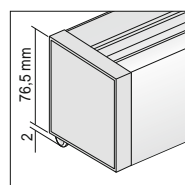
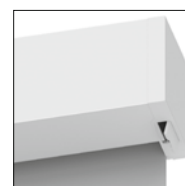
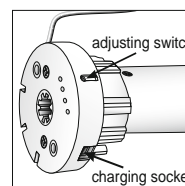
Model:	04-3354																																	
Operation options:	- Radio/electric drive 24 V - PowerView® Gen 3 radio drive 230 V		- Radio/electric drive 230 V																															
Equipment:	- Cassette, square, with side guide profile - Cassette, round, with side guide profile																																	
Description:	<p>Electric roller blind 24 V with Roll Up 28 WT drive, with adjustable final position switch-off, extruded aluminium roller blind tube Ø 29 mm up to width 180 cm; with Sonesse 30 DCT drive extremely low noise and with adjustable final position switch-off or with Sonesse 30 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off, extruded aluminium roller blind tube, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 6 x 31 mm with sealing lip.</p> <p>Electric roller blind 230 V with M40-330 PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.</p> <p>Electric roller blind 230 V with LS 40 WT drive with adjustable final position switch-off; with Sonesse 40 WT drive extremely low noise, with adjustable final position switch-off; with Sonesse 40 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 40 RTS with integrated radio receiver, with adjustable final position switch-off. Aluminium roller blind tube, Ø 44 mm up to width 280 cm, extruded. Extruded aluminium cassette. Side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 6 x 31 mm with sealing lip.</p> <p>Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate Electrical Price List.</p>																																	
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)		671 black (RAL 9005) 901 silver coloured (RAL 9006)																															
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Operation/Function	Blind unit sizes																																	
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	<p><b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.</p>																																	
Fabrics:	<p>See MHZ Collection.</p> <p>MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.</p> <p>Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.</p>																																	
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																																	
Additional equipment:	- Side guide profile for recess and elevated track - Bottom rail - Brush seal (cassette mounting profile)																																	
Elevated track:	Cassette for attaching to side guide profiles. Available with fabric guide.																																	
Installation:	<table><tr><td>Bracket:</td></tr><tr><td>- Bracket for wall and ceiling installation</td></tr><tr><td>- Up to 100 cm width: 2 brackets</td></tr><tr><td>- Up to 150 cm width: 3 brackets</td></tr><tr><td>- Up to 200 cm width: 4 brackets</td></tr><tr><td>- Up to 250 cm width: 5 brackets</td></tr><tr><td>- Up to 280 cm width: 6 brackets</td></tr></table>	Bracket:	- Bracket for wall and ceiling installation	- Up to 100 cm width: 2 brackets	- Up to 150 cm width: 3 brackets	- Up to 200 cm width: 4 brackets	- Up to 250 cm width: 5 brackets	- Up to 280 cm width: 6 brackets	<table><tr><td>Side guide profile:</td></tr><tr><td>- Mounting clip for wall installation (front)</td></tr><tr><td>- Direct recess installation on straight frame</td></tr><tr><td>- Up to 100 cm height: 6 clips</td></tr><tr><td>- Up to 200 cm height: 10 clips</td></tr><tr><td>- Up to 300 cm height: 14 clips</td></tr></table>	Side guide profile:	- Mounting clip for wall installation (front)	- Direct recess installation on straight frame	- Up to 100 cm height: 6 clips	- Up to 200 cm height: 10 clips	- Up to 300 cm height: 14 clips	<table><tr><td>Bottom rail:</td></tr><tr><td>- Mounting clip</td></tr><tr><td>- Direct mounting</td></tr><tr><td>- Up to 200 cm width: 4 clips</td></tr><tr><td>- From 200.1 cm width: 6 clips</td></tr></table>	Bottom rail:	- Mounting clip	- Direct mounting	- Up to 200 cm width: 4 clips	- From 200.1 cm width: 6 clips													
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- Direct mounting																																		
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- From 200.1 cm width: 6 clips																																		
Note:	<p>Cassette roller blinds and rail-guided units may only be lowered with the window closed. Otherwise there is the risk of a suction effect developing, which can pull the blind out of its side rails. If the unit is retracted in this condition, it may become damaged.</p> <p>Side guide profiles only have a dim-out effect.</p> <p>Cable outlet at top for wall installation, rear for ceiling installation</p>																																	

# 04-3345 R\_03 cassette | battery-operated radio drive

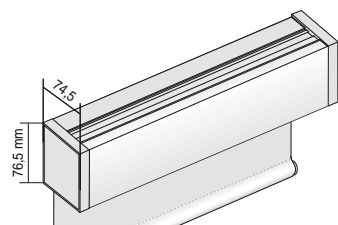
## Hardware



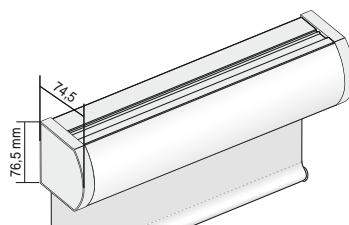
- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide



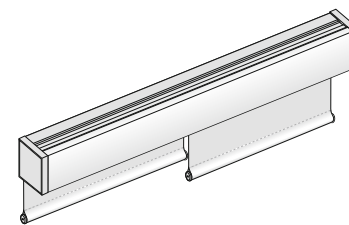
## Installation options



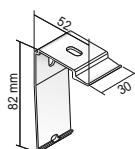
Cassette, square  
wall/ceiling installation



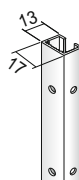
Cassette, round  
wall/ceiling installation



Cassette  
non-linked blind fabric (2 drives)



Bracket for wall/ceiling installation



Elevated track: Side guide profile  
(weighted rod guide)

# 04-3345 R\_03 cassette | battery-operated radio drive

## Technical data

Model:	04-3345																																	
Operation options:	<div>- PowerView® Gen 3 battery-operated radio drive 3.65 V</div> <div>- Battery-operated radio drive 12 V</div>																																	
Equipment:	<div>- Cassette, square</div> <div>- Cassette, round</div>																																	
Description:	<p>Battery-operated roller blind 3.65 V with M25T IRB PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.</p> <p>Battery-operated roller blind 12 V with integrated radio receiver and adjustable final position switch-off. Extruded aluminium roller blind tube, Ø 40 mm.</p> <p>Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated.</p> <p>For electrical accessories, see the separate Electrical Price List.</p>																																	
Hardware colours:	<div>172 white (RAL 9016)671 black (RAL 9005)</div> <div>611 anthracite grey (RAL 7016)901 silver coloured (RAL 9006)</div> <div>651 anthracite (DB 703)</div> <p>All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.</p>																																	
Dimensions:	<table><tr><th rowspan="2">Operation/Function</th><th colspan="4">Blind unit sizes</th></tr><tr><th>Min. width</th><th>Max. width</th><th>Max. height</th><th>Max. blind fabric weight*</th></tr><tr><td>Battery-operated radio drive 3.65 V, M25T IRB PowerView® Gen 3</td><td>From 55 cm</td><td>Up to 280 cm</td><td>300 cm</td><td>3 kg</td></tr><tr><td>Battery-operated radio drive 12 V, Roll Up 28 RTS</td><td>From 58 cm</td><td>Up to 200 cm</td><td>200 cm</td><td>2 kg</td></tr><tr><td>Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS</td><td>From 72.5 cm</td><td>Up to 280 cm</td><td>300 cm</td><td>3 kg</td></tr><tr><td>Non-linked blind fabric</td><td>From 2 x 60 cm</td><td>Up to 280 cm</td><td>300 cm</td><td>2 x 3 kg</td></tr></table> <p>Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.</p>					Operation/Function	Blind unit sizes				Min. width	Max. width	Max. height	Max. blind fabric weight*	Battery-operated radio drive 3.65 V, M25T IRB PowerView® Gen 3	From 55 cm	Up to 280 cm	300 cm	3 kg	Battery-operated radio drive 12 V, Roll Up 28 RTS	From 58 cm	Up to 200 cm	200 cm	2 kg	Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS	From 72.5 cm	Up to 280 cm	300 cm	3 kg	Non-linked blind fabric	From 2 x 60 cm	Up to 280 cm	300 cm	2 x 3 kg
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Fabrics:	<p>See MHZ Collection.</p> <p>MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.</p> <p>Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.</p>																																	
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																																	
Additional equipment:	<div>- Side guide only for internal weighted rod and single units</div> <div>- External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm</div> <div>- Non-linked blind fabric</div> <div>- Side guide profile, weighted rod guide (elevated track)</div>																																	
Non-linked blind fabric:	The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics.																																	
Installation:	<p>Bracket:</p> <div>- Bracket for wall and ceiling installation. Up to 100 cm width: 2 brackets; up to 150 cm width: 3 brackets; up to 200 cm width: 4 brackets; up to 250 cm width: 5 brackets; up to 280 cm width: 6 brackets.</div>																																	

\* Sample calculation for blind fabric weight:

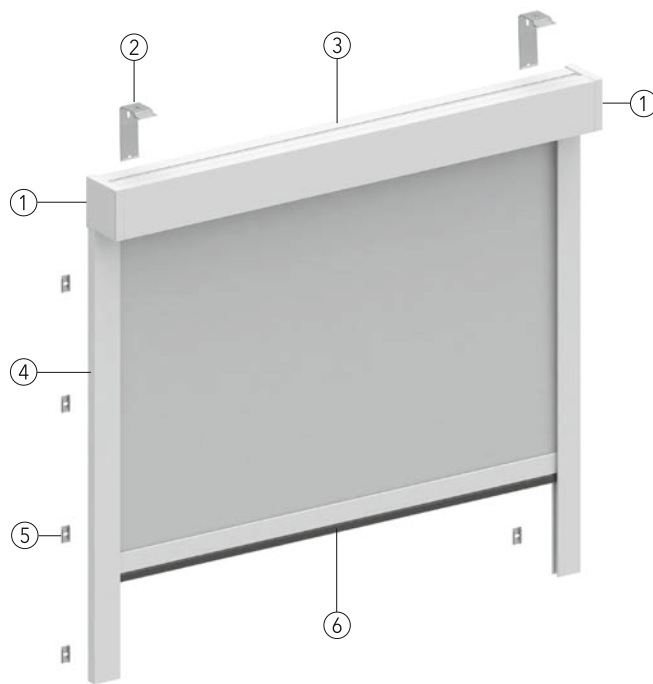
	Fabric (weight): MALA 2-1211	Weighted rod (weight)	Area (W x H): 2 m x 1 m	Total weight
Internal weighted rod	200 g/m <sup>2</sup>	190 g/m	2 m <sup>2</sup>	2 x 200 g + 2 x 190 g = 780 g
Weighted rod, square	200 g/m <sup>2</sup>	250 g/m	2 m <sup>2</sup>	2 x 200 g + 2 x 250 g = 900 g

Technical  
data

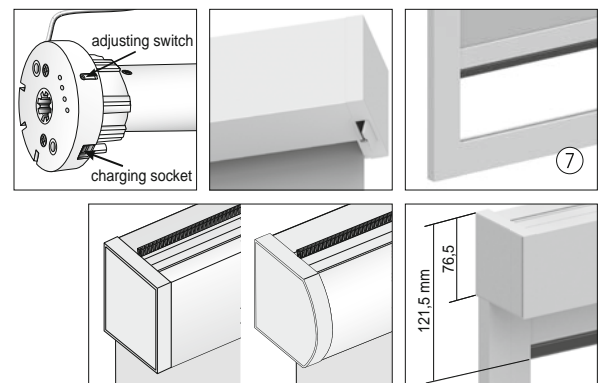
# 04-3355 R\_03 cassette | battery-operated radio drive

## Side guide profile

### Hardware

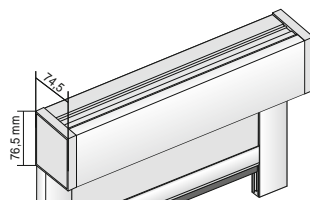


- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Side guide profile
- ⑤ Mounting clip for side guide profile
- ⑥ External weighted rod with sealing lip
- ⑦ Bottom rail

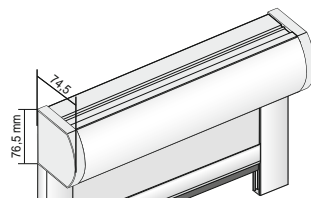


Cassette with brush seal

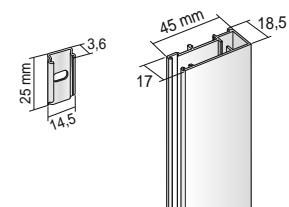
### Installation options



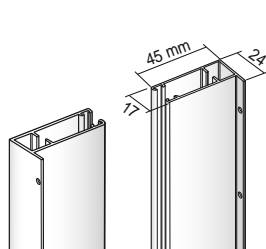
Cassette, square, side guide profile wall/ceiling installation



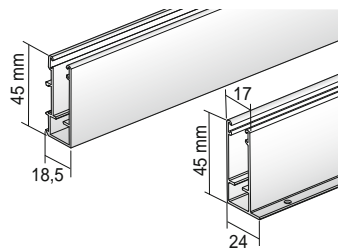
Cassette, round, side guide profile wall/ceiling installation



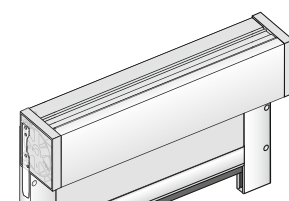
Side guide profile (not for elevated track), wall installation (front)



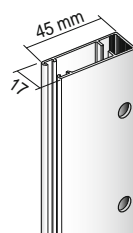
Side guide profile (not for elevated track), recess installation



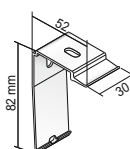
Bottom rails



Elevated track with side guide profile and fabric guide



Elevated track: Side guide profile fabric guide, bottom rail



Bracket for wall/ceiling installation



# 04-3355 R\_03 cassette | battery-operated radio drive

## Side guide profile

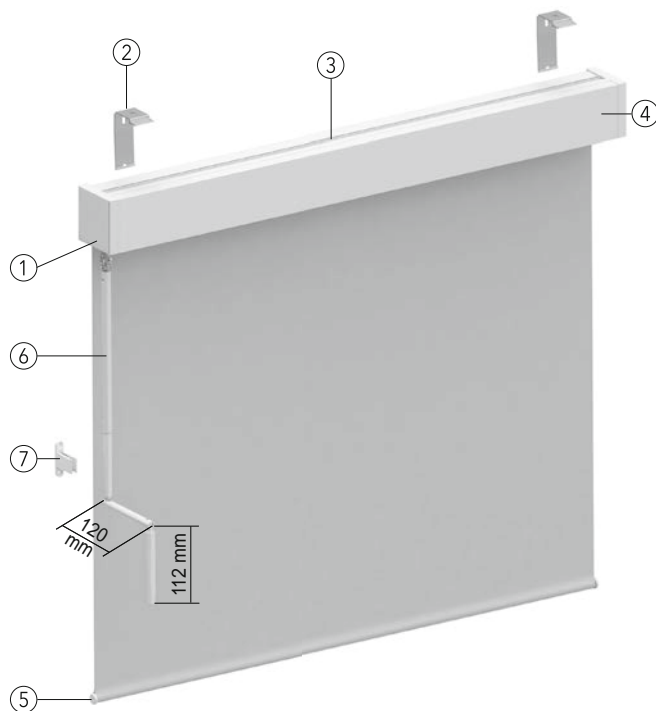
### Technical data

Model:	04-3355			
Operation options:	- PowerView® Gen 3 battery-operated radio drive 3.65 V - Battery-operated radio drive 12 V			
Equipment:	- Cassette, square, with side guide profile - Cassette, round, with side guide profile			
Description:	Battery-operated roller blind 3.65 V with M25T IRB PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.  Battery-operated roller blind 12 V with integrated radio receiver and adjustable final position switch-off. Extruded aluminium roller blind tube, Ø 40 mm.  Extruded aluminium cassette. Side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 6 x 31 mm with sealing lip.  For electrical accessories, see the separate Electrical Price List.			
Hardware colours:	172 white (RAL 9016) 671 black (RAL 9005) 611 anthracite grey (RAL 7016) 901 silver coloured (RAL 9006) 651 anthracite (DB 703)  All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.			
Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
				Max. blind fabric weight*
	Battery-operated radio drive 3.65 V, M25T IRB PowerView® Gen 3	From 55 cm	Up to 280 cm	300 cm
	Battery-operated radio drive 12 V, Roll Up 28 RTS	From 58 cm	Up to 200 cm	200 cm
	Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS	From 72.5 cm	Up to 280 cm	300 cm
	Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.			
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.			
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.			
Additional equipment:	- Side guide profile for recess and elevated track - Bottom rail - Brush seal (cassette mounting profile)			
Elevated track:	Cassette for attaching to side guide profiles. Available with fabric guide.			
Installation:	Bracket:	Side guide profile:	Bottom rail:	
	- Bracket for wall and ceiling installation. - Up to 100 cm width: 2 brackets - Up to 150 cm width: 3 brackets - Up to 200 cm width: 4 brackets - Up to 250 cm width: 5 brackets - Up to 280 cm width: 6 brackets	- Mounting clip for wall installation (front) - Direct recess installation on straight frame - Up to 100 cm height: 6 clips - Up to 200 cm height: 10 clips - Up to 300 cm height: 14 clips	- Mounting clip - Direct mounting - Up to 200 cm width: 4 clips - From 200.1 cm width: 6 clips	
* Sample calculation for blind fabric weight:		Fabric (weight): MALA 2-1211	Weighted rod (weight)	Area (W x H): 2 m x 1 m
	Weighted rod for elevated track with weighted rod guide	200 g/m²	190 g/m	2 m²
	Weighted rod, side guide profile	200 g/m²	250 g/m	2 m²
Note:	Cassette roller blinds and rail-guided units may only be lowered with the window closed. Otherwise there is the risk of a suction effect developing, which can pull the blind out of its side rails. If the unit is retracted in this condition, it may become damaged. Side guide profiles only have a dim-out effect.			

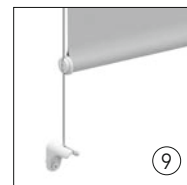
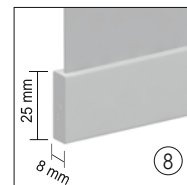
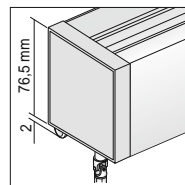
Technical data

# 04-3346 R\_03 cassette | crank

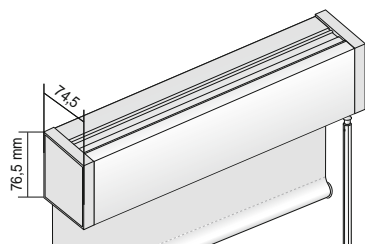
## Hardware



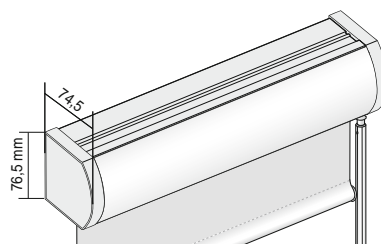
- ① Crank gear
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Housing
- ⑤ Internal weighted rod
- ⑥ Crank
- ⑦ Crank clip
- ⑧ External weighted rod, square
- ⑨ Side guide



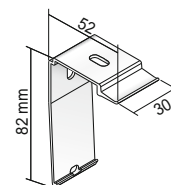
## Installation options



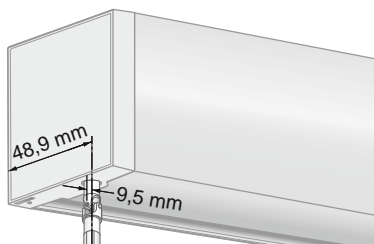
Cassette, square  
wall/ceiling installation



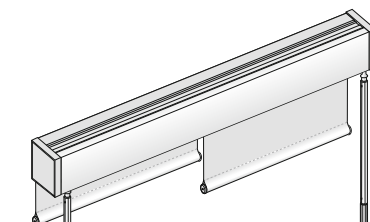
Cassette, round  
wall/ceiling installation



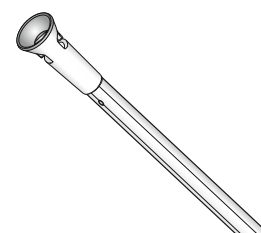
Bracket for wall/ceiling installation



Crank exit



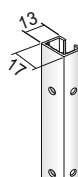
Cassette  
non-linked blind fabric (2 drives)



Funnel crank



Crank adapter



Elevated track: Side guide profile  
(weighted rod guide)

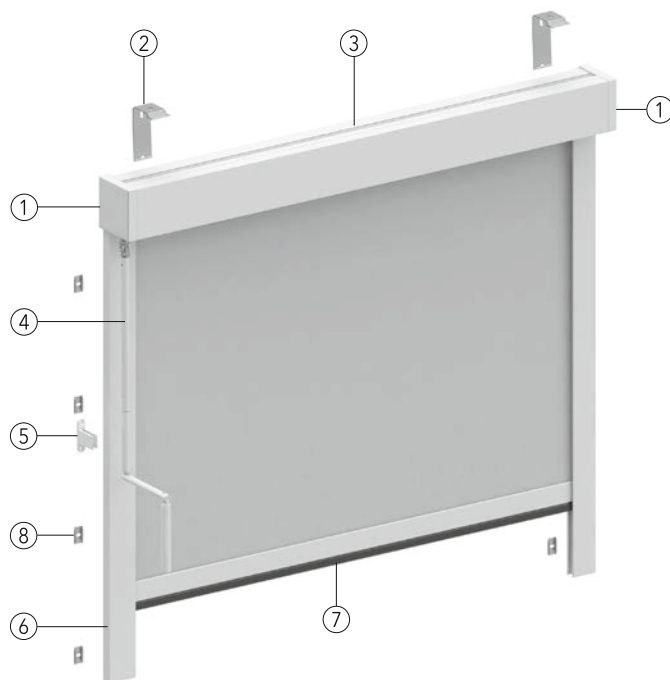
## Technical data

Model:	<b>04-3346</b>		
Operation options:	- Crank		
Equipment:	- Cassette, round - Cassette, square		
Description:	Roller blind with crank operation with integrated worm gear, left or right. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Internal steel tube weighted rod Ø 12 mm, white-coated.  <b>Optional:</b> Non-linked blind fabric		
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)  671 black (RAL 9005) 901 silver coloured (RAL 9006)  All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.		
Dimensions:	Operation/Function	Blind unit sizes	
		Min. width	Max. width
	Crank	From 23 cm	Up to 280 cm
	Non-linked blind fabric	From 45 cm	Up to 2 x 280 cm
<b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.			
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.		
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.		
Additional equipment:	- Removable funnel crank (not suitable for recess installation) - Crank adapter - External aluminium weighted rod (172, 611, 651, 671, 901): square, 8 x 25 mm - Side guide only for internal weighted rod and single units - Non-linked blind fabric - Side guide profile, weighted rod guide (elevated track)		
Non-linked blind fabric:	The two roller blinds are calculated individually according to size and PG plus the specified surcharge. Light gap of 1.6 cm between the blind fabrics.		
Installation:	<b>Bracket:</b> - Bracket for wall and ceiling installation. Up to 100 cm width: 2 brackets; up to 150 cm width: 3 brackets; up to 200 cm width: 4 brackets; up to 250 cm width: 5 brackets; up to 280 cm width: 6 brackets.		
Operation:	Crank operation (with removable funnel crank on request for a surcharge). Crank exit at bottom, crank fixed with crank clip. Crank grip colours (172, 671, 901).		
Operation lengths:	Order to the exact millimetre (state the extended crank length when ordering).		

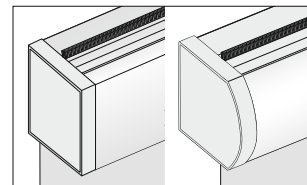
# 04-3356 R\_03 cassette | crank

## Side guide profile

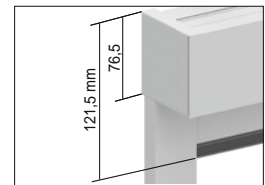
### Hardware



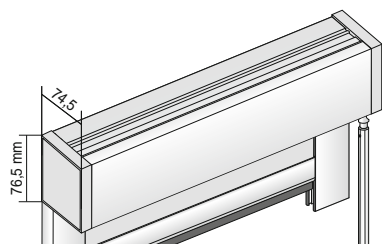
- ① Housing
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Crank
- ⑤ Crank clip
- ⑥ Side guide profile
- ⑦ External weighted rod with sealing lip
- ⑧ Mounting clip for side guide profile
- ⑨ Bottom rail



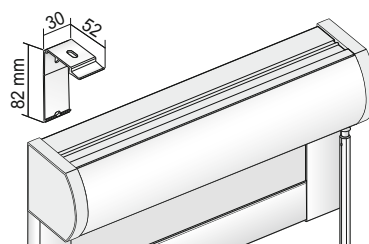
Cassette with brush seal



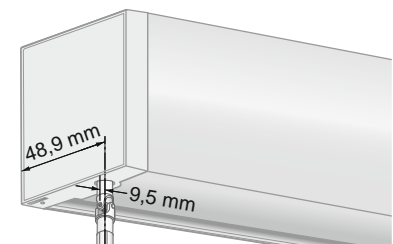
### Installation options



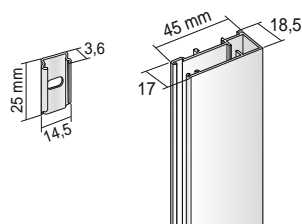
Cassette, square, side guide profile wall/ceiling installation



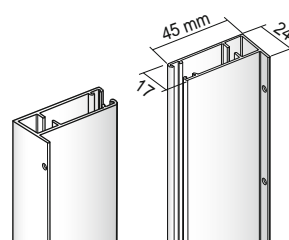
Cassette, round, side guide profile wall/ceiling installation



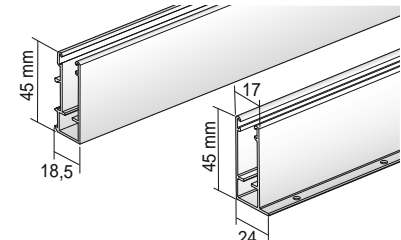
Crank exit



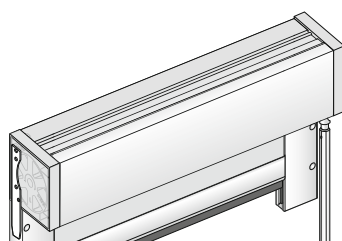
Side guide profile (not for elevated track), wall installation (front)



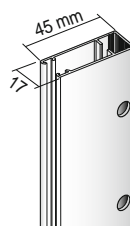
Side guide profile (not for elevated track), recess installation



Bottom rails



Elevated track with side guide profile and fabric guide



Elevated track: Side guide profile fabric guide, bottom rail

## 04-3356 R\_03 cassette | crank

## Side guide profile

## Technical data

Model: 04-3356

Operation options: - Crank

Equipment:

- Cassette, round, with side guide profile
- Cassette, square, with side guide profile

**Description:** Roller blind with crank operation with integrated worm gear, left or right. Extruded aluminium roller blind tube, Ø 27.4 mm up to width 180 cm, Ø 40 mm up to width 280 cm. Extruded aluminium cassette. Side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 6 x 31 mm with sealing lip.

Hardware colours:	172 white (RAL 9016)	671 black (RAL 9005)
	611 anthracite grey (RAL 7016)	901 silver coloured (RAL 9006)
	651 anthracite (DB 703)	

All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.

Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
	Crank	From 23 cm	Up to 280 cm	300 cm

Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance.

Fabrics: See MHZ Collection.  
MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.  
Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

**Fabric size:** See page 166-167 for precise information on how to calculate the fabric size.

Additional equipment:

- Removable funnel crank
- Crank adapter
- Side guide profile for recess and elevated track
- Bottom rail
- Brush seal (cassette mounting profile)

**Elevated track:** Cassette for attaching to side guide profiles. Available with fabric guide.

Installation:	Bracket:	Side guide profile:	Bottom rail:
	<ul style="list-style-type: none"> <li>- Bracket for wall and ceiling installation</li> <li>- Up to 100 cm width: 2 brackets</li> <li>- Up to 150 cm width: 3 brackets</li> <li>- Up to 200 cm width: 4 brackets</li> <li>- Up to 250 cm width: 5 brackets</li> <li>- Up to 280 cm width: 6 brackets</li> </ul>	<ul style="list-style-type: none"> <li>- Mounting clip for wall installation (front)</li> <li>- Direct recess installation on straight frame</li> <li>- Up to 100 cm height: 6 clips</li> <li>- Up to 200 cm height: 10 clips</li> <li>- Up to 300 cm height: 14 clips</li> </ul>	<ul style="list-style-type: none"> <li>- Mounting clip</li> <li>- Direct mounting</li> <li>- Up to 200 cm width: 4 clips</li> <li>- From 200.1 cm width: 6 clips</li> </ul>

**Operation:** Crank operation (with removable funnel crank on request for a surcharge). Crank exit at bottom, crank fixed with crank clip. Crank grip colours (172, 671, 901).

Operation lengths: Order to the exact millimetre (state the extended crank length when ordering).

**Note:** Cassette roller blinds and rail-guided units may only be lowered with the window closed. Otherwise there is the risk of a suction effect developing, which can pull the blind out of its side rails. If the unit is retracted in this condition, it may become damaged. Side guide profiles only have a dim-out effect.



## R\_04 roller blind technical data



**04-3402 bracket | operating chain**  
Page 150-151



**04-3404 bracket | electric drive**  
Page 152-153



**04-3442 cassette | operating chain**  
Page 154-155



**04-3444 cassette | electric drive**  
Page 156-157



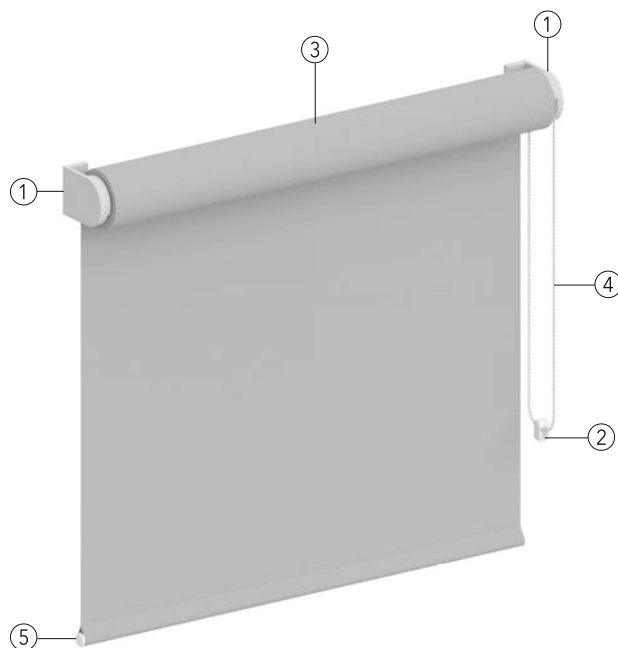
**04-3446 cassette | crank**  
Page 158-159



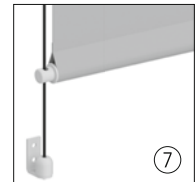
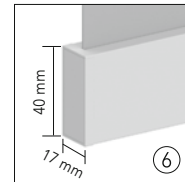
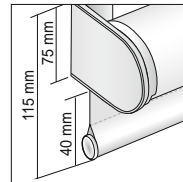
**04-3464 ZIP cassette | electric drive**  
side guide profile  
Page 160-161

# 04-3402 R\_04 bracket | operating chain

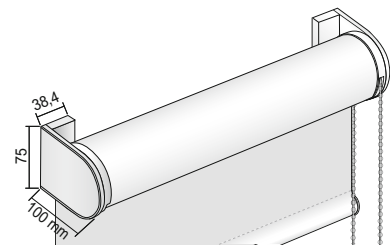
## Hardware



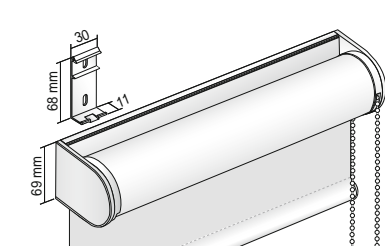
- ① Basic bracket
- ② Safety tensioner
- ③ Roller blind tube with fabric
- ④ Operating chain
- ⑤ Internal weighted rod
- ⑥ External weighted rod, square
- ⑦ Side guide



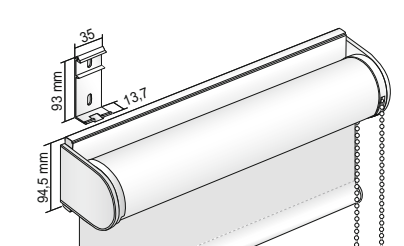
## Installation options



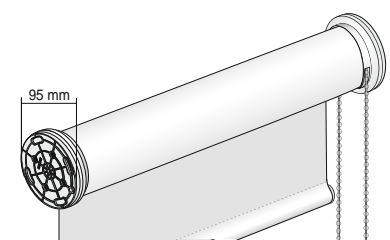
Wall/ceiling installation with bracket



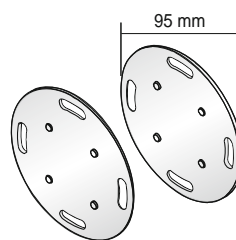
Wall/ceiling installation with mounting rail (size 70) and clip



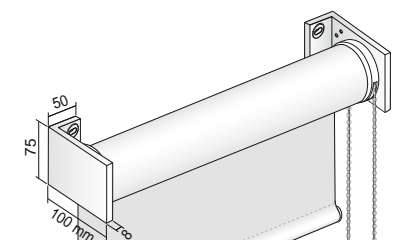
Wall/ceiling installation with mounting rail (size 95) and clip



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 7 mm (2 shims).



Aluminium bracket.



# 04-3402 R\_04 bracket | operating chain

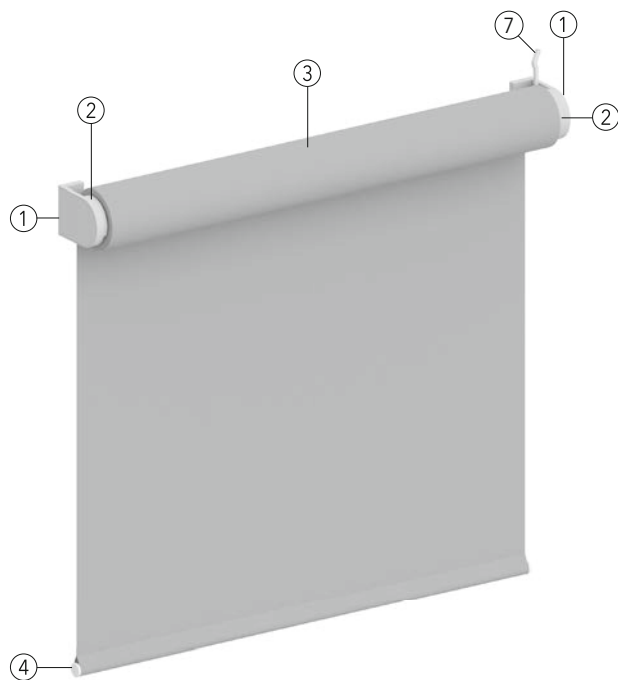
## Technical data

Model:	04-3402																						
Operation options:	- Operating chain																						
Equipment:	- Bracket																						
Description:	<b>Operating chain:</b> Chain operation roller blind with integrated smooth-running chain gear. Chain sprocket cover, adjustable top and bottom end position, transparent bead chain with safety tensioner. Extruded aluminium roller blind tube, Ø 65 mm. Internal steel tube weighted rod Ø 18 mm, untreated.																						
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)	671 black (RAL 9005) 901 silver coloured (RAL 9006)																					
	All aluminium surfaces in matt powder-coated, fine texture RAL colours on request																						
Dimensions:	<table><tr><th rowspan="2">Operation/Function</th><th colspan="4">Blind unit sizes</th></tr><tr><th>Min. width</th><th>Max. width</th><th>Max. height</th><th>Max. area</th></tr><tr><td>Bead chain</td><td>From 27 cm</td><td>Up to 450 cm*</td><td>450 cm</td><td>16 m²</td></tr><tr><td>Metal chain</td><td>From 27 cm</td><td>Up to 450 cm*</td><td>450 cm</td><td>16 m²</td></tr></table>				Operation/Function	Blind unit sizes				Min. width	Max. width	Max. height	Max. area	Bead chain	From 27 cm	Up to 450 cm*	450 cm	16 m²	Metal chain	From 27 cm	Up to 450 cm*	450 cm	16 m²
Operation/Function	Blind unit sizes																						
	Min. width	Max. width	Max. height	Max. area																			
Bead chain	From 27 cm	Up to 450 cm*	450 cm	16 m²																			
Metal chain	From 27 cm	Up to 450 cm*	450 cm	16 m²																			
	<b>Note:</b> Bracket mounting from a unit width of 450.1 cm only possible with the R_05 roller blind!																						
	<b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.																						
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.																						
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																						
Additional equipment:	<ul style="list-style-type: none"><li>- * <b>Compensating device (recommended from a width of 320 cm, standard from 400.1 cm),</b> <b>For fabric selection, see collection card R_04/R_05</b> <b>Note: REIKO and JAROS fabrics from width 340.1 cm with levelling device (see collection card R_04/R_05).</b></li><li>- Antibacterial operation chain without safety breaking system (with safety tensioner)</li><li>- Transparent operation chain without safety breaking system with black cord (standard with 611, 651 and 671), with safety tensioner</li><li>- Metal chain silver/bronze/black (with safety tensioner)</li><li>- External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm</li><li>- Mounting rail with clip (size 70 up to width of 3 m, size 95 up to width of 5.2 m)</li><li>- Recess bracket</li><li>- Side guide only for internal weighted rod and single units (only for blind fabric at the rear)</li><li>- Aluminium bracket</li></ul>																						
Installation:	<table><tr><th>Bracket:</th><th>Mounting rail:</th><th>Recess installation:</th></tr><tr><td><ul style="list-style-type: none"><li>- Bracket for wall and ceiling installation</li><li>- Extension pieces for larger wall clearances</li></ul></td><td><ul style="list-style-type: none"><li>- Mounting clip for wall and ceiling installation</li><li>- Up to 140 cm width: 2 brackets</li><li>- Up to 270 cm width: 3 brackets</li><li>- Up to 400 cm width: 4 brackets</li><li>- Up to 450 cm width: 5 brackets</li></ul></td><td><ul style="list-style-type: none"><li>- Bracket for recess installation</li><li>- Size can be adjusted by 7 mm with 2 compensating shims or 2.5° per compensating shim</li></ul></td></tr></table>	Bracket:	Mounting rail:	Recess installation:	<ul style="list-style-type: none"><li>- Bracket for wall and ceiling installation</li><li>- Extension pieces for larger wall clearances</li></ul>	<ul style="list-style-type: none"><li>- Mounting clip for wall and ceiling installation</li><li>- Up to 140 cm width: 2 brackets</li><li>- Up to 270 cm width: 3 brackets</li><li>- Up to 400 cm width: 4 brackets</li><li>- Up to 450 cm width: 5 brackets</li></ul>	<ul style="list-style-type: none"><li>- Bracket for recess installation</li><li>- Size can be adjusted by 7 mm with 2 compensating shims or 2.5° per compensating shim</li></ul>																
Bracket:	Mounting rail:	Recess installation:																					
<ul style="list-style-type: none"><li>- Bracket for wall and ceiling installation</li><li>- Extension pieces for larger wall clearances</li></ul>	<ul style="list-style-type: none"><li>- Mounting clip for wall and ceiling installation</li><li>- Up to 140 cm width: 2 brackets</li><li>- Up to 270 cm width: 3 brackets</li><li>- Up to 400 cm width: 4 brackets</li><li>- Up to 450 cm width: 5 brackets</li></ul>	<ul style="list-style-type: none"><li>- Bracket for recess installation</li><li>- Size can be adjusted by 7 mm with 2 compensating shims or 2.5° per compensating shim</li></ul>																					
Operation:	Operation chain without safety breaking system, antibacterial operation chain without safety breaking system, metal chain (endless chain) with safety tensioner. Chain gear adapted to the blind unit size and blind fabric weight.																						
Operation lengths:	Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 450 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).																						
Child safety:	Please see the note on page 193.																						

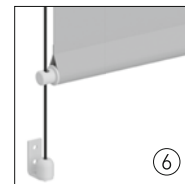
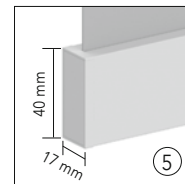
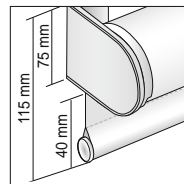
Technical  
data

# 04-3404 R\_04 bracket | electric drive

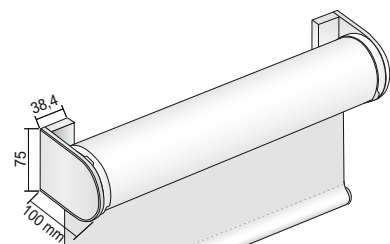
## Hardware



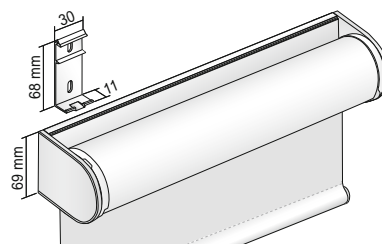
- ① Basic bracket
- ② Clamp
- ③ Roller blind tube with fabric
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide
- ⑦ Cable



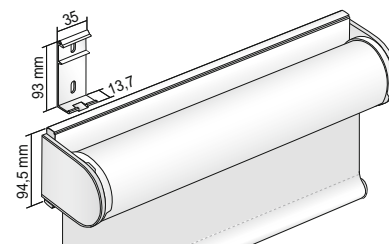
## Installation options



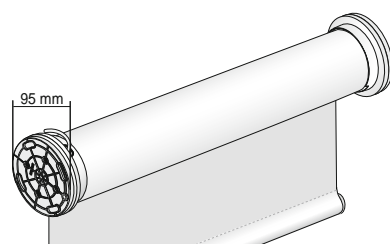
Wall/ceiling installation with bracket



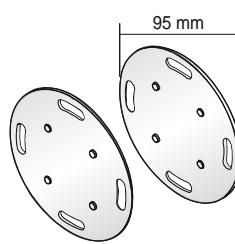
Wall/ceiling installation with mounting rail (size 70) and clip



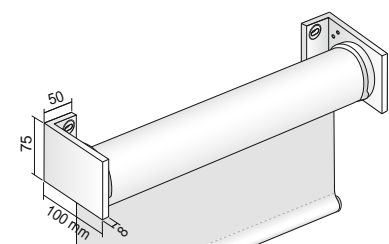
Wall/ceiling installation with mounting rail (size 95) and clip



Bracket for recess installation



Compensating shim for recess installation with angle specification, 1 x 2.5°, 2 x 5°, size can be adjusted by 3.5 mm



Aluminium bracket

# 04-3404 R\_04 bracket | electric drive

## Technical data

Model:	04-3404	
Operation options:	- Radio/electric drive 230 V	- PowerView® Gen 3 radio drive 230 V
Equipment:	- Bracket	
Description:	<p>Electric roller blind 230 V with M50-626 Power-View® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.</p> <p>Electric roller blind 230 V with LT50 drive with adjustable final position switch-off; with Sonesse 50 drive extremely low noise, with adjustable final position switch-off; with Sonesse 50 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 50 RTS with integrated radio receiver, with adjustable final position switch-off. Aluminium roller blind tube, Ø 65 mm, extruded.</p> <p>Internal steel tube weighted rod Ø 18 mm, untreated.</p> <p>Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate MHZ Electrical Price List.</p>	
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)	671 black (RAL 9005) 901 silver coloured (RAL 9006)
	All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request	

Dimensions:	Up to a unit width of 400 cm:	Blind unit sizes	Bracket mounting	Mounting rail	
	Operation/Function	Min. width	Max. width	Max. width	Max. height    Max. area
	Radio drive 230 V, M50-626 Power-View® Gen 3	From 76 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	Electric drive 230 V, LT50 Start 6/17	From 68 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Altus 50 RTS 6/17	From 82 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	Electric drive 230 V, Sonesse 50 6/28	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Sonesse 50 RTS 6/28	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Sunea Screen 50 io 6/32	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm    16 m <sup>2</sup>
	From a unit width of 400.1 cm:	Blind unit sizes	Bracket mounting	Mounting rail	
	Operation/Function	Min. width	Max. width	Max. width	Max. height    Max. area
	Radio drive 230 V M50-1017 Power-View® Gen 3	From 400.1 cm	Up to 600 cm*	Up to 600 cm*	Up to 450 cm    20 m <sup>2</sup>
	Electric drive 230 V, LT50 CERES 10/17	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Altus 50 RTS 10/17	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm    16 m <sup>2</sup>
	Electric drive 230 V, Sonesse 50 10/28	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Sonesse 50 RTS 10/28	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm    16 m <sup>2</sup>
	Radio drive 230 V, Sunea Screen 50 io 10/32	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm    16 m <sup>2</sup>

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

Fabrics:	<p>See MHZ Collection.</p> <p>MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.</p> <p>Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.</p>
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Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.
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Additional equipment:	<p>- * <b>Compensating device (recommended from a width of 320 cm, standard from 400.1 cm),</b>  <b>For fabric selection, see collection card R_04/R_05</b>  <b>Note: REIKO and JAROS fabrics from width 340.1 cm with levelling device (see collection card R_04/R_05).</b></p>
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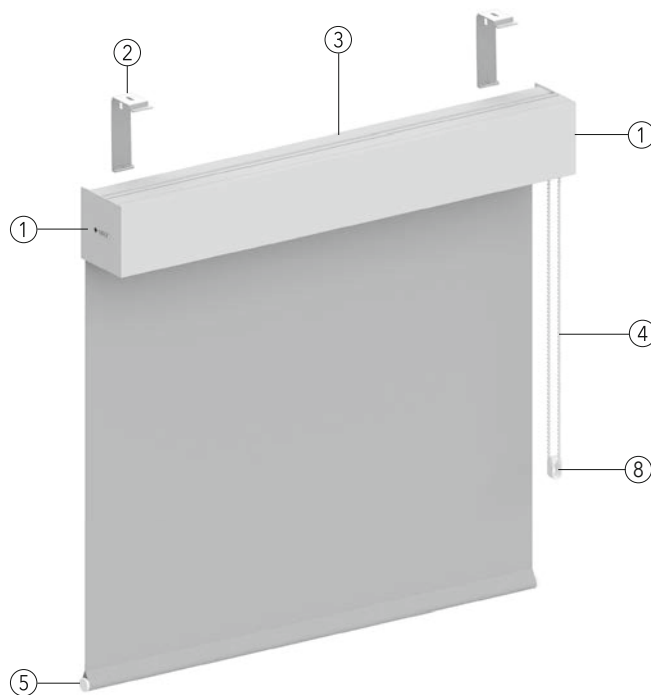
- External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm
- Mounting rail with clip (size 70 up to width of 3 m, size 95 up to width of 5.2 m)
- Recess bracket
- Side guide only for internal weighted rod and single units (only for blind fabric at the rear)
- Aluminium bracket

Installation:	Bracket:	Mounting rail:	Recess installation:
	<ul style="list-style-type: none"> <li>- Bracket for wall and ceiling installation</li> <li>- Extension pieces for larger wall clearances</li> </ul>	<ul style="list-style-type: none"> <li>- Mounting clip for wall and ceiling installation</li> <li>- Up to 140 cm width: 2 brackets</li> <li>- Up to 270 cm width: 3 brackets</li> <li>- Up to 400 cm width: 4 brackets</li> <li>- Up to 500 cm width: 5 brackets</li> <li>- Up to 520 cm width: 6 brackets</li> </ul>	<ul style="list-style-type: none"> <li>- Bracket for recess installation</li> <li>- Size can be adjusted by 7 mm with 2 compensating shims or 2.5° per compensating shim</li> </ul>

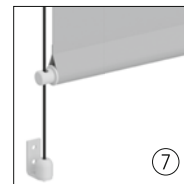
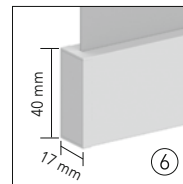
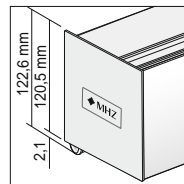
Technical data

# 04-3442 R\_04 cassette | operating chain

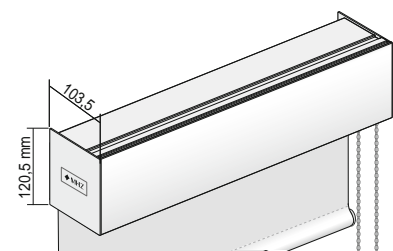
## Hardware



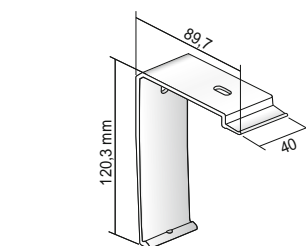
- ① Housing cover
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Operating chain
- ⑤ Internal weighted rod
- ⑥ External weighted rod, square
- ⑦ Side guide
- ⑧ Safety tensioner



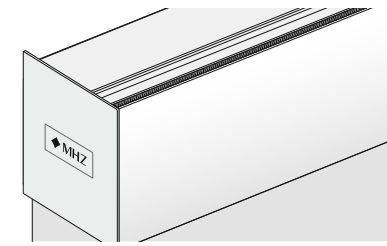
## Installation options



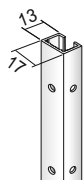
Cassette, square  
wall/ceiling installation



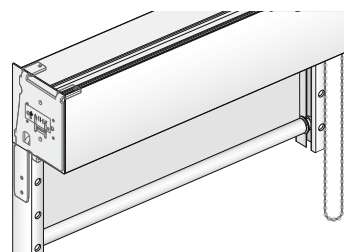
Bracket for wall/ceiling installation



Cassette with brush seal



Side guide profile with weighted rod guide  
up to width 450 cm



Elevated track with side guide profile and  
weighted rod guide (up to width 450 cm)

## 04-3442 R\_04 cassette | operating chain

## Technical data

Model: 04-3442

Operation options: - Operating chain

Equipment: - Cassette, square

**Description:** Chain operation roller blind with integrated smooth-running chain gear, depending on the blind fabric weight. Adjustable bottom end position, operation chain without safety breaking system with safety tensioner. Extruded aluminium roller blind tube, Ø 65 mm. Extruded aluminium cassette. Internal steel tube weighted rod Ø 18 mm, untreated.

Hardware colours:	172 white (RAL 9016)	671 black (RAL 9005)
	611 anthracite grey (RAL 7016)	901 silver coloured (RAL 9006)
	651 anthracite (DB 703)	
	All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.	

Dimensions:	Operation/Function	Blind unit sizes			
		Min. width	Max. width	Max. height	Max. area
	Bead chain	From 27 cm	Up to 450 cm*	450 cm	16 m²
	Metal chain	From 27 cm	Up to 450 cm*	450 cm	16 m²

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.

Fabrics: See MHZ Collection.  
MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.  
Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.

**Fabric size:** See page 166-167 for precise information on how to calculate the fabric size.

Additional equipment:

- **Compensating device (recommended from a width of 320 cm, standard from 400.1 cm),**  
For fabric selection, see collection card R\_04/R\_05  
**Note: REIKO and JAROS fabrics from width 340.1 cm with levelling device (see collection card R\_04/R\_05).**
- Antibacterial operation chain without safety breaking system (with safety tensioner)
- Transparent operation chain without safety breaking system with black cord (standard with 611, 651 and 671),  
with safety tensioner
- Metal chain silver/bronze/black (with safety tensioner)
- External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm
- Brush seal (cassette mounting profile)
- Side guide profile, weighted rod guide
- Elevated track (**Note: From a width of 350 cm, 2 brackets are supplied to support the blind**)
- Side guide (only for internal weighted rod and blind fabric at the rear)

Installation:	Bracket:		
	- Bracket for wall and ceiling installation	up to 140 cm width	2 brackets
		up to 270 cm width	3 brackets
		up to 400 cm width	4 brackets
		up to 450 cm width	5 brackets

**Operation:** Transparent bead chain, metal chain (endless chain) with safety tensioner. Chain gear adapted to the blind unit size and blind fabric weight.

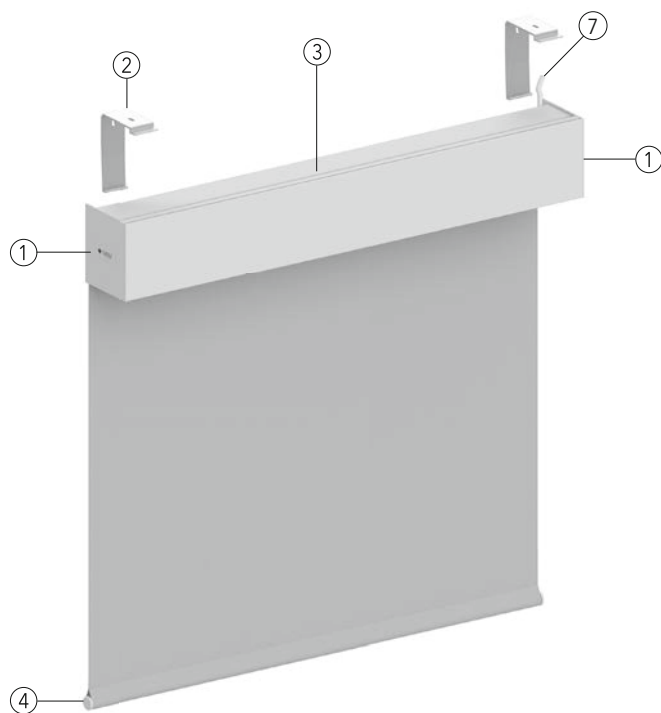
**Operation lengths:** Operation length from 50 cm to 150 cm in 10 cm increments, operation length from 150.1 cm to 400 cm in 25 cm increments. Delivery with the exact or next smaller operation length. Other operation lengths available on request (surcharge applies).

Child safety: Please see the note on page 193.

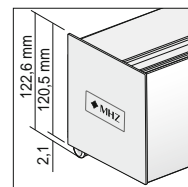
Technical  
data

# 04-3444 R\_04 cassette | electric drive

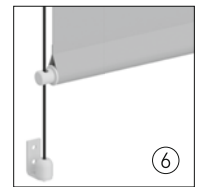
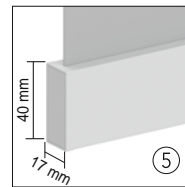
## Hardware



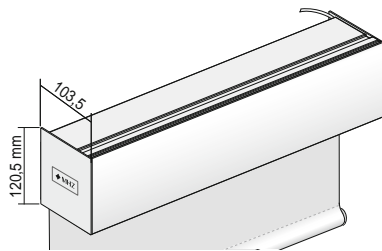
- ① Housing cover
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide
- ⑦ Cable



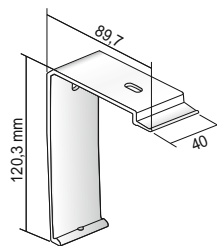
Weighted rod, round



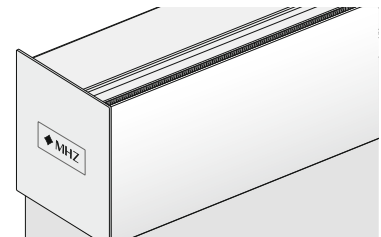
## Installation options



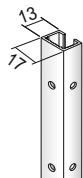
Cassette, square  
Wall/ceiling installation



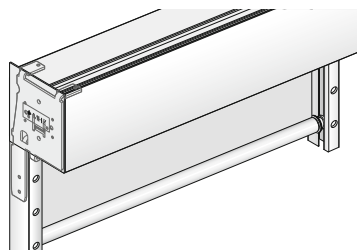
Bracket for wall/ceiling installation



Cassette with brush seal



Side guide profile with weighted rod guide  
up to width 450 cm



Elevated track with side guide profile and  
weighted rod guide (up to width 520 cm)



Cable opening left  
(rear view -> operating side right)



Cable opening right  
(rear view -> operating side left)

# 04-3444 R\_04 cassette | electric drive

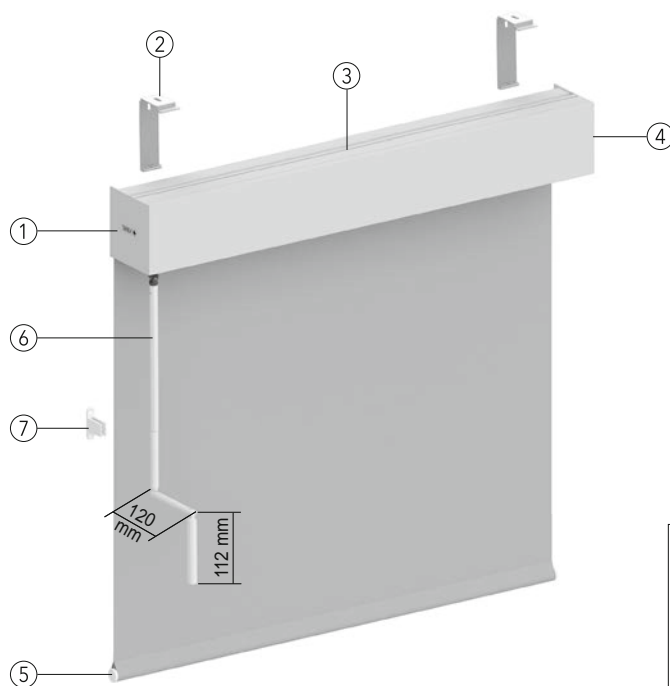
## Technical data

Model:	04-3444																																																																																																					
Operation options:	- PowerView® Gen 3 radio drive 230 V - Radio/electric drive 230 V																																																																																																					
Equipment:	- Cassette, square																																																																																																					
Description:	<p>Electric roller blind 230 V with M50-626 PowerView® Gen 3 radio electric drive and integrated radio receiver, various control options, smart home compatible.</p> <p>Electric roller blind 230 V with LT50 drive with adjustable final position switch-off; with Sonesse 50 drive extremely low noise, with adjustable final position switch-off; with Sonesse 50 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 50 RTS with integrated radio receiver, with adjustable final position switch-off.</p> <p>Aluminium roller blind tube, Ø 65 mm, extruded. Internal steel tube weighted rod Ø 18 mm, untreated.</p> <p>Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate MHZ Electrical Price List.</p>																																																																																																					
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)		671 black (RAL 9005) 901 silver coloured (RAL 9006)																																																																																																			
	All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request																																																																																																					
Dimensions:	<table><tr><td>Up to a unit width of 400 cm:</td><td>Blind unit sizes</td><td>Bracket mounting</td><td colspan="3">Mounting rail</td></tr><tr><td>Operation/Function</td><td>Min. width</td><td>Max. width</td><td>Max. width</td><td>Max. height</td><td>Max. area</td></tr><tr><td>Radio drive 230 V, M50-626 PowerView® Gen 3</td><td>From 76 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Electric drive 230 V, LT50 Start 6/17</td><td>From 68 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Altus 50 RTS 6/17</td><td>From 82 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Electric drive 230 V, Sonesse 50 6/28</td><td>From 83 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Sonesse 50 RTS 6/28</td><td>From 83 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Sunea Screen 50 io 6/32</td><td>From 83 cm</td><td>Up to 400 cm*</td><td>Up to 400 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr></table> <table><tr><td>From a unit width of 400.1 cm:</td><td>Blind unit sizes</td><td>Bracket mounting</td><td colspan="3">Mounting rail</td></tr><tr><td>Operation/Function</td><td>Min. width</td><td>Max. width</td><td>Max. width</td><td>Max. height</td><td>Max. area</td></tr><tr><td>Radio drive 230 V M50-1017 Power-View® Gen 3</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Electric drive 230 V, LT50 CERES 10/17</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Altus 50 RTS 10/17</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Electric drive 230 V, Sonesse 50 10/28</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Sonesse 50 RTS 10/28</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr><tr><td>Radio drive 230 V, Sunea Screen 50 io 10/32</td><td>From 400.1 cm</td><td>Up to 450 cm*</td><td>Up to 520 cm*</td><td>Up to 450 cm</td><td>16 m²</td></tr></table> <p><b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.</p>						Up to a unit width of 400 cm:	Blind unit sizes	Bracket mounting	Mounting rail			Operation/Function	Min. width	Max. width	Max. width	Max. height	Max. area	Radio drive 230 V, M50-626 PowerView® Gen 3	From 76 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	Electric drive 230 V, LT50 Start 6/17	From 68 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Altus 50 RTS 6/17	From 82 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	Electric drive 230 V, Sonesse 50 6/28	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Sonesse 50 RTS 6/28	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Sunea Screen 50 io 6/32	From 83 cm	Up to 400 cm*	Up to 400 cm*	Up to 450 cm	16 m²	From a unit width of 400.1 cm:	Blind unit sizes	Bracket mounting	Mounting rail			Operation/Function	Min. width	Max. width	Max. width	Max. height	Max. area	Radio drive 230 V M50-1017 Power-View® Gen 3	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²	Electric drive 230 V, LT50 CERES 10/17	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Altus 50 RTS 10/17	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²	Electric drive 230 V, Sonesse 50 10/28	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Sonesse 50 RTS 10/28	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²	Radio drive 230 V, Sunea Screen 50 io 10/32	From 400.1 cm	Up to 450 cm*	Up to 520 cm*	Up to 450 cm	16 m²
Up to a unit width of 400 cm:	Blind unit sizes	Bracket mounting	Mounting rail																																																																																																			
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Fabrics:	<p>See MHZ Collection.</p> <p>MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.</p> <p>Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.</p>																																																																																																					
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																																																																																																					
Additional equipment:	<p>- * <b>Compensating device (recommended from a width of 320 cm, standard from 400.1 cm),</b>     <b>For fabric selection, see collection card R_04/R_05</b>     <b>Note: REIKO and JAROS fabrics from width 340.1 cm with levelling device (see collection card R_04/R_05).</b></p> <p>- Side guide only for internal weighted rod and blind fabric at the rear</p> <p>- External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm</p> <p>- Brush seal (cassette mounting profile)</p> <p>- Side guide profile, weighted rod guide</p> <p>- Elevated track (<b>Note: From a width of 350 cm, 2 brackets are supplied to support the blind</b>)</p>																																																																																																					
Installation:	Bracket:																																																																																																					

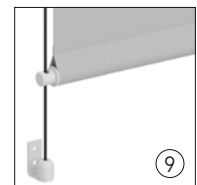
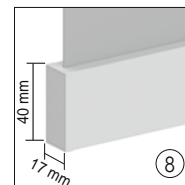
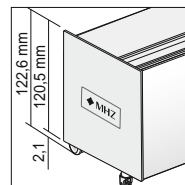
Technical  
data

# 04-3446 R\_04 cassette | crank

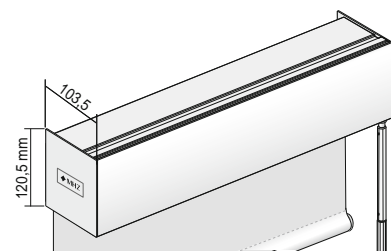
## Hardware



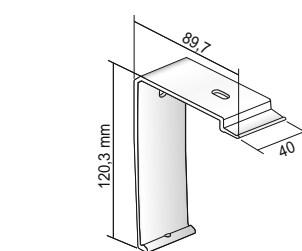
- ① Crank gear
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ Housing cover
- ⑤ Internal weighted rod
- ⑥ Crank
- ⑦ Crank clip
- ⑧ External weighted rod, square
- ⑨ Side guide



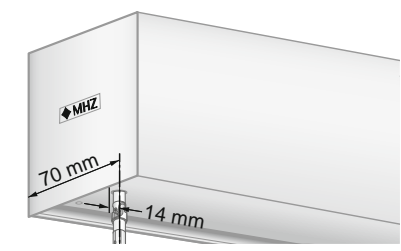
## Installation options



Cassette, square  
wall/ceiling installation



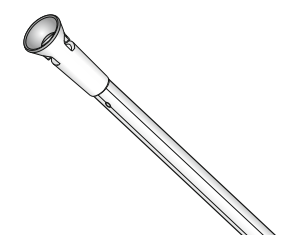
Bracket for wall/ceiling installation



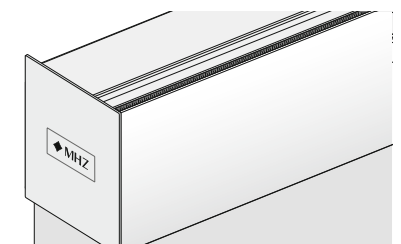
Crank exit



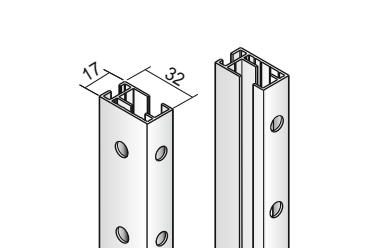
Crank adapter



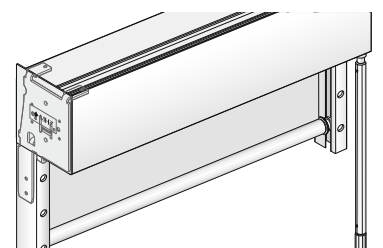
Funnel crank



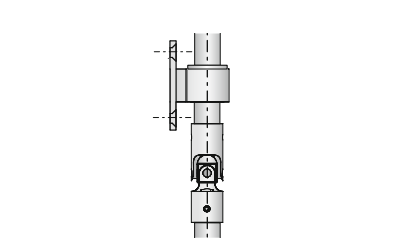
Cassette with brush seal



Side guide profile with weighted rod  
guide up to width 320 cm



Elevated track with side guide profile and  
weighted rod guide (up to width 320 cm)



Crank bearing



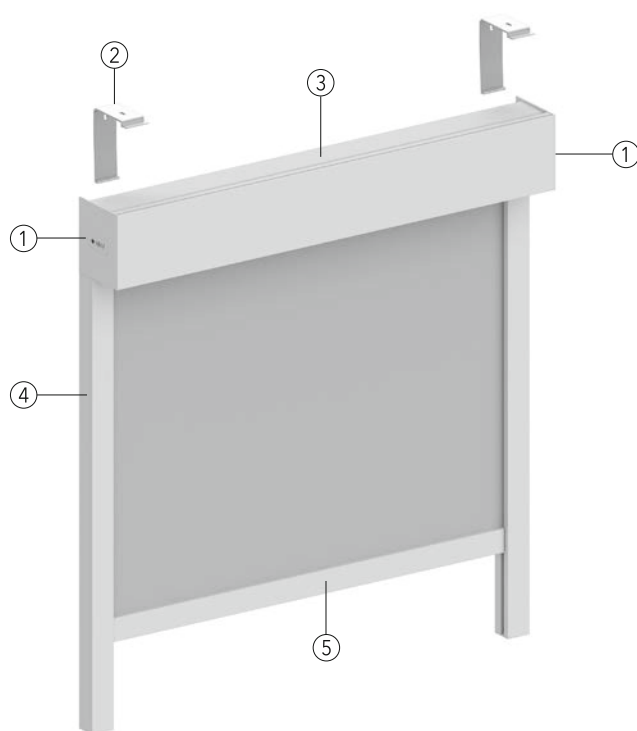
## Technical data

Model:	04-3446			
Operation options:	- Crank			
Equipment:	- Cassette, square			
Description:	Roller blind with crank operation with integrated worm gear, left or right. Extruded aluminium roller blind tube, Ø 65 mm. Extruded aluminium cassette. Internal steel tube weighted rod Ø 18 mm, untreated.			
Hardware colours:	172 white (RAL 9016)	671 black (RAL 9005)		
	611 anthracite grey (RAL 7016)	901 silver coloured (RAL 9006)		
	651 anthracite (DB 703)			
	All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request.			
Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
	Crank	From 27 cm	Up to 320 cm	450 cm
	Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.			
Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.			
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.			
Additional equipment:	- Removable funnel crank - Crank adapter - External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm - Side guide only for internal weighted rod and single units - Brush seal (cassette mounting profile) - Side guide profile, weighted rod guide - Elevated track - Crank bearing (with joint for standard crank above an operating height of 280 cm)			
Installation:	Bracket:			
	- Bracket for wall and ceiling installation	up to 140 cm width	2 brackets	
		up to 270 cm width	3 brackets	
		up to 320 cm width	4 brackets	
Operation:	Crank operation (with removable funnel crank on request for a surcharge). Crank exit at bottom, crank fixed with crank clip. Crank grip colours (100, 171, 670).			
Operation lengths:	Order to the exact millimetre (state the extended crank length when ordering).			
Note:	Compensating device not available.			

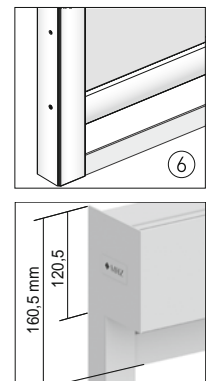
# 04-3464 R\_04 ZIP cassette | electric drive

## Side guide profile

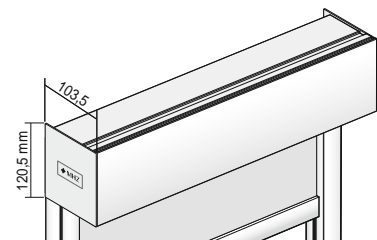
### Hardware



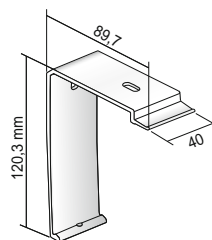
- ① Housing cover
- ② Bracket for wall and ceiling
- ③ Cassette, square
- ④ ZIP side guide profile
- ⑤ External weighted rod with brush seal
- ⑥ Bottom rail



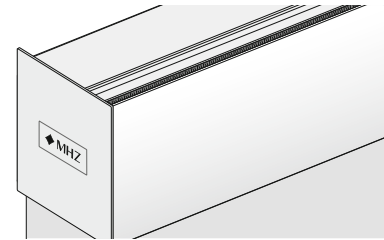
### Installation options



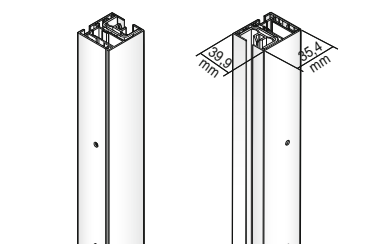
Cassette, square ZIP, side guide profile front/recess installation



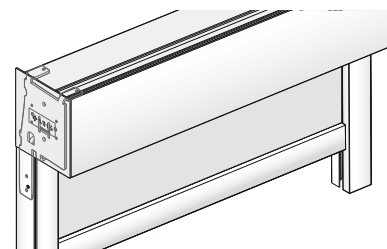
Bracket for wall/ceiling installation



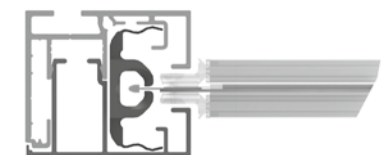
Cassette with brush seal



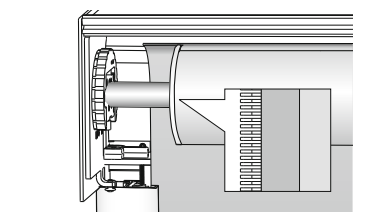
ZIP guide rail recess/front installation



Elevated track ZIP



Cross-section side guide rail



ZIP fabric attachment



Cable opening left  
(rear view -> operating side right)



Cable opening right  
(rear view -> operating side left)

# 04-3464 R\_04 ZIP cassette | electric drive

## Side guide profile

### Technical data

Model:	04-3464			
Operation options:	- Radio/electric drive 230 V			
Equipment:	- Cassette, square ZIP, with side guide profile			
Description:	<p>Electric roller blind 230 V with Maestria 50 WT drive with adjustable final position switch-off; with Maestria +50 io drive extremely low noise, with adjustable final position switch-off with integrated radio receiver. Aluminium roller blind tube, Ø 65 mm, extruded. Extruded aluminium cassette. Cassette, side guide profile and, where applicable, bottom rail with brush seal. External aluminium weighted rod 17 x 40 mm with brush seal. ZIP zipper welded onto the side of the fabric edges.</p> <p>Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate MHZ Electrical Price List.</p>			
Hardware colours:	<div><div>172 white (RAL 9016)</div><div>671 black (RAL 9005)</div><div>611 anthracite grey (RAL 7016)</div><div>901 silver coloured (RAL 9006)</div><div>651 anthracite (DB 703)</div></div> <p>All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request</p>			
Dimensions:	Operation/Function	Blind unit sizes		
		Min. width	Max. width	Max. height
	Electric drive 230 V, Maestria 50 WT 6/17	From 100 cm*	Up to 400 cm**	Up to 300 cm
	Radio drive 230 V, Maestria+ 50 io 6/17	From 100 cm*	Up to 400 cm**	Up to 300 cm
	*Due to the required weight of the weighted rod			
Fabrics:	<p>See MHZ Collection.</p> <p>MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top.</p> <p>Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.</p>			
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.			
Additional equipment:	<p>- <b>**Compensating device (recommended from a width of 320 cm),</b>     <b>For fabric selection, see collection card R_04/R_05</b>     <b>Note: Fabrics ARIK and VIGO from width 340.1 cm with levelling device (see collection card R_04/R_05).</b></p> <p>- Side guide profile - Bottom rail - Brush seal (mounting profile) - Elevated track</p>			
Installation:	Bracket:			
	- Bracket for wall installation	up to 140 cm width	2 brackets	
		up to 270 cm width	3 brackets	
		up to 400 cm width	4 brackets	
Note:	From a width of 350 cm, 2 brackets are supplied to support the blind.			

Technical  
data



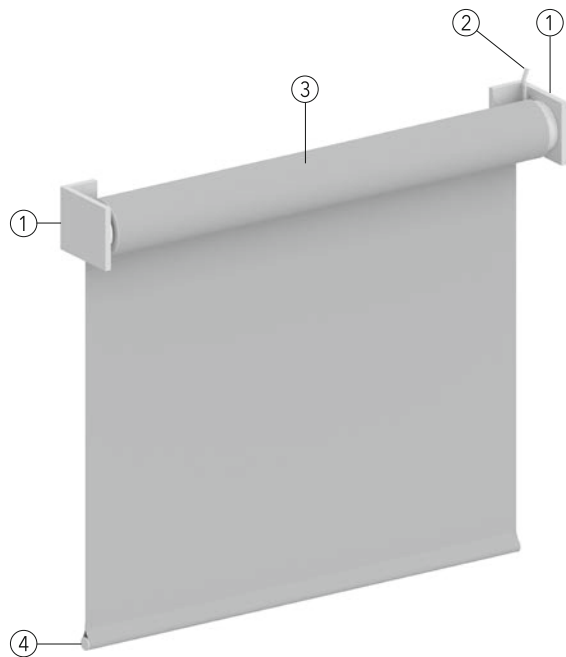
## R\_05 roller blind technical data



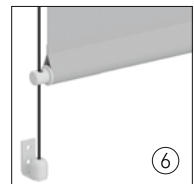
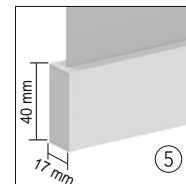
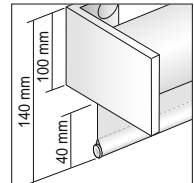
04-3504 bracket | electric drive  
Page 164-165

# 04-3504 R\_05 bracket | electric drive

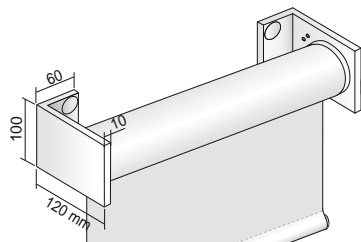
## Hardware



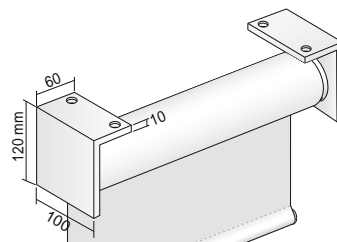
- ① Aluminium bracket
- ② Cable
- ③ Roller blind tube with fabric
- ④ Internal weighted rod
- ⑤ External weighted rod, square
- ⑥ Side guide



## Installation options



Wall installation  
with bracket (Cable position not selectable)



Ceiling installation  
with bracket (Cable position not selectable)

# 04-3504 R\_05 bracket | electric drive

## Technical data

Model:	<b>04-3504</b>																																																																																			
Operation options:	- PowerView® Gen 3 radio drive 230 V - Radio/electric drive 230 V																																																																																			
Equipment:	- Aluminium bracket																																																																																			
Description:	Electric roller blind 230 V with M50 PowerView® Gen 3 radio electric drive with adjustable final position switch-off; with Sonesse 50 drive extremely low noise, with adjustable final position switch-off; with Sonesse 50 RTS drive with integrated radio receiver, extremely low noise and with adjustable final position switch-off; with Altus 50 RTS with integrated radio receiver, with adjustable final position switch-off. Aluminium roller blind tube, Ø 65 mm up to width 600 cm, extruded. Internal steel tube weighted rod Ø 18 mm, untreated.  Electrical accessories and various control options, with relevant actuators suitable for BUS systems, see the separate MHZ Electrical Price List.																																																																																			
Hardware colours:	172 white (RAL 9016) 611 anthracite grey (RAL 7016) 651 anthracite (DB 703)  671 black (RAL 9005) 901 silver coloured (RAL 9006)  All aluminium surfaces in matt powder-coated, fine texture. RAL colours on request																																																																																			
Dimensions:	<table> <tr> <th>Up to a unit width of 400 cm:</th><th colspan="4">Blind unit sizes</th></tr> <tr> <th>Operation/Function</th><th>Min. width</th><th>Max. width</th><th>Max. height</th><th>Max. area</th></tr> <tr> <td>Radio drive 230 V, M50-626 Power-View® Gen 3</td><td>From 76 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Electric drive 230 V, LT50 Start 6/17</td><td>From 75 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Altus 50 RTS 6/17</td><td>From 69 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Electric drive 230 V, Sonesse 50 6/28</td><td>From 83 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Sonesse 50 RTS 6/28</td><td>From 84 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Sunea Screen 50 io 6/32</td><td>From 84 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> </table> <table> <tr> <th>From a unit width of 400.1 cm</th><th colspan="4">Blind unit sizes</th></tr> <tr> <th>Operation/Function</th><th>Min. width</th><th>Max. width</th><th>Max. height</th><th>Max. area</th></tr> <tr> <td>Radio drive 230 V, M50-1017 Power-View® Gen 3</td><td>From 99 cm</td><td>Up to 400 cm *</td><td>600 cm</td><td>16 m<sup>2</sup></td></tr> <tr> <td>Electric drive 230 V, LT50 Ceres 10/17</td><td>From 400.1 cm</td><td>Up to 600 cm *</td><td>600 cm</td><td>20 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Altus 50 RTS 10/17</td><td>From 400.1 cm</td><td>Up to 600 cm *</td><td>600 cm</td><td>20 m<sup>2</sup></td></tr> <tr> <td>Electric drive 230 V, Sonesse 50 10/28</td><td>From 400.1 cm</td><td>Up to 600 cm *</td><td>600 cm</td><td>20 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Sonesse 50 RTS 10/28</td><td>From 400.1 cm</td><td>Up to 600 cm *</td><td>600 cm</td><td>20 m<sup>2</sup></td></tr> <tr> <td>Radio drive 230 V, Sunea Screen 50 io 10/32</td><td>From 400.1 cm</td><td>Up to 600 cm *</td><td>600 cm</td><td>20 m<sup>2</sup></td></tr> </table> <p><b>Please note:</b> If the width to height ratio is greater than 1:4, there is an increased risk of skewing.            If in doubt, please enquire in advance. For recess installation: Width = recess dimension - 2 mm.</p>				Up to a unit width of 400 cm:	Blind unit sizes				Operation/Function	Min. width	Max. width	Max. height	Max. area	Radio drive 230 V, M50-626 Power-View® Gen 3	From 76 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Electric drive 230 V, LT50 Start 6/17	From 75 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Radio drive 230 V, Altus 50 RTS 6/17	From 69 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Electric drive 230 V, Sonesse 50 6/28	From 83 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Radio drive 230 V, Sonesse 50 RTS 6/28	From 84 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Radio drive 230 V, Sunea Screen 50 io 6/32	From 84 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	From a unit width of 400.1 cm	Blind unit sizes				Operation/Function	Min. width	Max. width	Max. height	Max. area	Radio drive 230 V, M50-1017 Power-View® Gen 3	From 99 cm	Up to 400 cm *	600 cm	16 m <sup>2</sup>	Electric drive 230 V, LT50 Ceres 10/17	From 400.1 cm	Up to 600 cm *	600 cm	20 m <sup>2</sup>	Radio drive 230 V, Altus 50 RTS 10/17	From 400.1 cm	Up to 600 cm *	600 cm	20 m <sup>2</sup>	Electric drive 230 V, Sonesse 50 10/28	From 400.1 cm	Up to 600 cm *	600 cm	20 m <sup>2</sup>	Radio drive 230 V, Sonesse 50 RTS 10/28	From 400.1 cm	Up to 600 cm *	600 cm	20 m <sup>2</sup>	Radio drive 230 V, Sunea Screen 50 io 10/32	From 400.1 cm	Up to 600 cm *	600 cm	20 m <sup>2</sup>
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Fabrics:	See MHZ Collection. MHZ roller blinds are made without a transverse seam wherever possible. The remaining length with the transverse seam is positioned at the top. Note the fitting instructions regarding fabric qualities and the transverse seam in the roller blind catalogue, "Textile notes" section.																																																																																			
Fabric size:	See page 166-167 for precise information on how to calculate the fabric size.																																																																																			
Additional equipment:	- <b>*Compensating device (recommended from a width of 320 cm, standard from 400.1 cm),</b> <b>For fabric selection, see collection card R_04/R_05</b> <b>Note: REIKO and JAROS fabrics from width 340.1 cm with levelling device (see collection card R_04/R_05).</b> - External aluminium weighted rod (172, 611, 651, 671, 901): square, 17 x 40 mm - Side guide																																																																																			
Installation:	Bracket mounting: - Aluminium bracket for wall and ceiling installation																																																																																			

Technical  
data

# R\_03 / R\_03.BASIC / R\_04 / R\_05 calculation of fabric size

Fabric size = unit width minus the stated dimensions

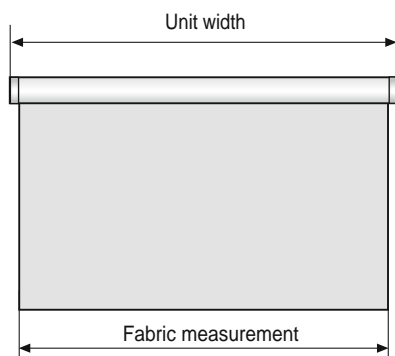
Model	Operation option	Unit height up to	Fabric size	Light gap in mm (not for 04-3352, 04-3354, 04-3355, 04-3356)		Fabric size Bracket, adjustable Mounting rail bracket, adjustable Sun protection carrier*	Light gap in mm Bracket, adjustable Mounting rail bracket, adjustable Sun protection carrier* With roller blind tube compensating device**	
				X	Y		X	Y
04-3300	Operating chain	Max. 300 cm	Unit width - 30 mm	19	11			
04-3302	Operating chain	Max. 300 cm	Unit width - 30 mm	19	11	Unit width - 30 mm	19	11
04-3303	Soft	Max. 250 cm	Unit width - 22 mm	11	11	Unit width - 22 mm	11	11
04-3305	Battery-operated radio drive 12 V, Roll Up 28 RTS	Max. 200 cm	Unit width - 33 mm	22	11	Unit width - 34 mm	23	11
04-3305	Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS	Max. 300 cm	Unit width - 33 mm	22	11	Unit width - 34 mm	23	11
04-3305	Battery-operated radio drive 3.65V M25T IRB PowerView® Gen 3	Max. 300 cm	Unit width - 31 mm	20	11			
04-3342, 04-3352	Operating chain	Max. 300 cm	Unit width - 38 mm	19	19			
04-3343	Soft	Max. 250 cm	Unit width - 38 mm	19	19			
04-3345, 04-3355	Battery-operated radio drive 12 V, Roll Up 28 RTS	Max. 200 cm	Unit width - 41 mm	22	19			
04-3345, 04-3355	Battery-operated radio drive 12 V, Sonesse 30 Ultra RTS	Max. 300 cm	Unit width - 41 mm	22	19			
04-3345, 04-3355	Battery-operated radio drive 3.65V M25T IRB PowerView® Gen 3	Max. 300 cm	Unit width - 41 mm	22	19			
04-3346, 04-3356	Crank	Max. 300 cm	Unit width - 43 mm	24	19			
04-3304	Electric drive 24 V, Roll Up 28 WT	Max. 300 cm	Unit width - 34 mm	23	11	Unit width - 35 mm	24	11
04-3304	Electric drive 24 V, Sonesse 30 DCT	Max. 300 cm	Unit width - 32 mm	21	11	Unit width - 33 mm	22	11
04-3304	Radio drive 24 V, Sonesse 30 RTS	Max. 300 cm	Unit width - 32 mm	21	11	Unit width - 33 mm	22	11
04-3304	Radio/electric drive 230 V	Max. 300 cm	Unit width - 36 mm	25	11	Unit width - 37 mm	26	11
04-3304	Radio drive 230 V M40-330 PowerView® Gen 3	Max. 300 cm	Unit width - 33 mm	22	11			
04-3344, 04-3354	Electric drive 24 V, Roll Up 28 WT	Max. 300 cm	Unit width - 42 mm	23	19			
04-3344, 04-3354	Electric drive 24 V, Sonesse 30 DCT	Max. 300 cm	Unit width - 40 mm	21	19			
04-3344, 04-3354	Radio drive 24 V, Sonesse 30 RTS	Max. 300 cm	Unit width - 40 mm	21	19			
04-3344, 04-3354	Radio/electric drive 230 V	Max. 300 cm	Unit width - 42 mm	23	19			
04-3344, 04-3354	Radio/electric drive 230 V M40-330 PowerView® Gen 3	Max. 300 cm	Unit width - 43 mm	24	19			
04-3402	Operating chain	Max. 450 cm	Unit width - 48 mm	24	24			
04-3404	Radio drive 230 V M50-626 PowerView® Gen 3	Max. 450 cm	Unit width - 69/66 mm**	42	27		42**	24**
04-3404	Radio/electric drive 230 V	Max. 450 cm	Unit width - 56/53 mm**	29	27		29**	24**
04-3442	Operating chain	Max. 450 cm	Unit width - 46 mm	23	23			
04-3444	Radio drive 230 V M50-626 PowerView® Gen 3	Max. 450 cm	Unit width - 66/64 mm**	40	26		40**	24**
04-3444	Radio/electric drive 230 V	Max. 450 cm	Unit width - 53/51 mm**	27	26		27**	24**
04-3446	Crank	Max. 450 cm	Unit width - 55 mm	32	23			
04-3464	Radio/electric drive 230 V	Max. 300 cm	Unit width - 68 mm					
04-3504	Radio drive 230 V M50-626 PowerView® Gen 3	Max. 600 cm	Unit width - 76/73 mm**	46	30		46**	27
04-3504	Radio drive 230 V M50-1017 PowerView® Gen 3	Max. 600 cm	Unit width - 76/73 mm**	46	30		46**	27
04-3504	Radio/electric drive 230 V	Max. 600 cm	Unit width - 63/61 mm**	33	30		33**	28**

\* Sun protection carrier for R\_03 roller blind 04-3302, 04-3303, 04-3305 only

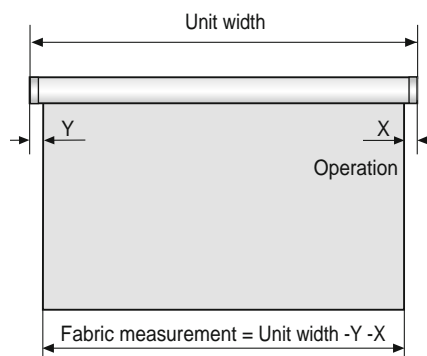


# R\_03 / R\_03.BASIC / R\_04 / R\_05 calculation of fabric size

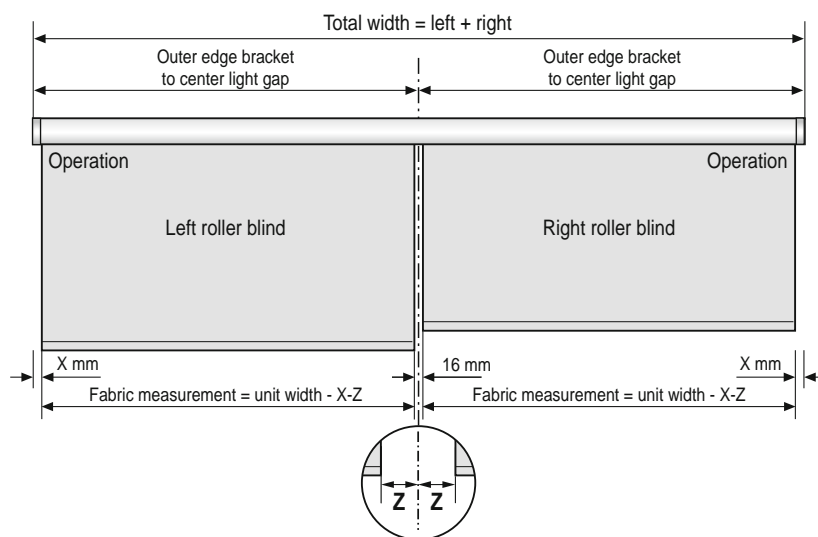
## Calculation of fabric size



## Light gap

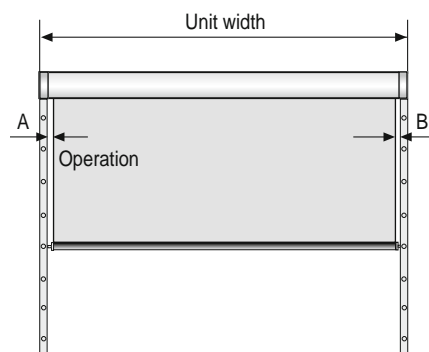


## Light gap R\_03 non-linked blind fabric



	Type of operation	X	Z
R_03	Operating chain	19 mm	8 mm
	Soft	19 mm	8 mm
	Electric drive	21-26 mm	8 mm
	Battery-operated radio drive	22 mm	8 mm
	Crank	24 mm	8 mm

## Dimensions for elevated track



	Type of operation	A	B	B*
R_03	Operating chain	6 mm	6 mm	
	Soft			
	Electric drive	8-13 mm	6 mm	
	Battery-operated radio drive	9 mm	6 mm	
	Crank	11 mm	6 mm	
R_04	Operating chain	6 mm	6 mm	
	Electric drive 230 V	10 mm	9 mm	7 mm*
	Electric drive 230 V (PowerView®)	23 mm	9 mm	7 mm*
	Crank	15 mm	6 mm	

\*With roller blind tube compensating device

Technical  
data



# SKIRO / SKID / Skylight roller blinds technical data



**04-1614 SKIRO**  
Page 170-171



**04-1671 SKID**  
Page 172-173



**04-2250 skylight blind**  
Page 174-175



**04-2251 skylight blind**  
Page 176-177

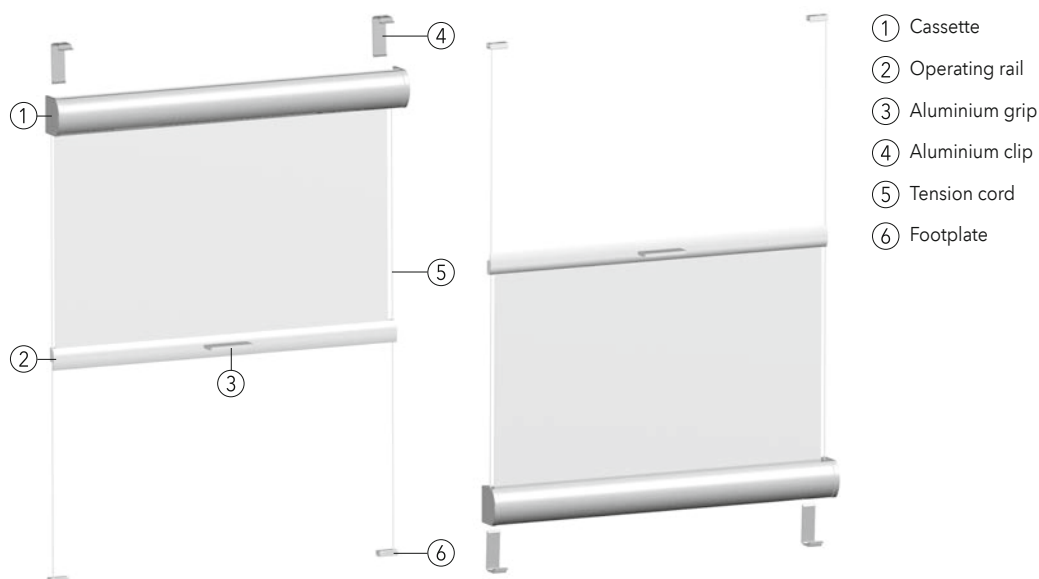


**04-2252 skylight blind**  
Page 178-179

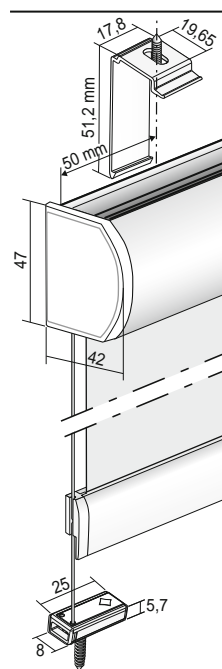
Available  
from  
10.2025

# 04-1614 SKIRO

## Hardware

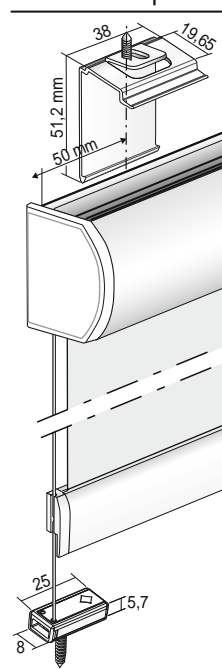


## Standard installation

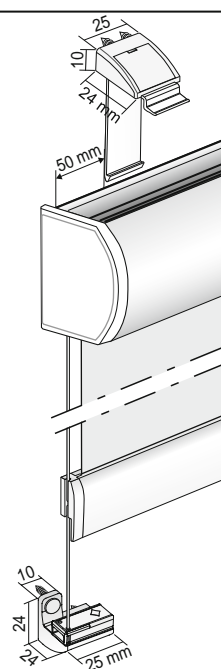


Glazing bead installation (straight glazing bead) with aluminium clip and footplate base

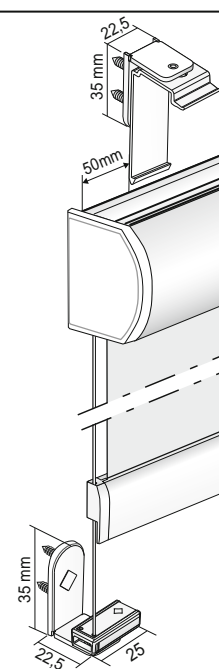
## Installation options



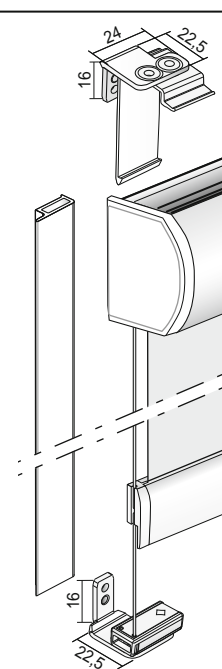
Glazing bead installation (angled glazing bead) with aluminium clip, footplate base and opt. levelling chock



Glazing bead installation (front) with aluminium clip and glazing bead bracket incl. footplate base



Window sash installation with aluminium clip and angle bracket incl. footplate base



Glass pane installation with MHZ adhesive set (not for adhesive bead with side guide profile)

## Technical data

Model:

04-1614

Operation options:

- Operating handle

Equipment:

- Cassette

Description:

Taut roller blind with internal spring drive. Roller blind tube made of galvanised steel tube, ø 20 mm. Extruded aluminium profiles. Aluminium operating rail. Operation via aluminium grip. Height of the blind fabric is adjusted by moving the bottom rail, which secures in any desired position. 1 operating handle per rail up to 90 cm width; 2 operating handles per rail from 90.1 cm width.

2 blind fabric options possible: Blind fabric operated from top to bottom  
Blind fabric operated from bottom to top with special cord run (increased cord tension)

Hardware colours:

100 silver anodised

171 white powder-coated

RAL colours on request

Dimensions:

Operation/Function	Blind unit sizes		
	Min. width	Max. width	Max. height
Operating handle/Window	From 27.5 cm	Up to 120 cm	150 cm
Operating handle/Door	From 27.5 cm	Up to 100 cm	200 cm

**Please note:** If the width to height ratio is greater than 1:4, there is an increased risk of skewing. If in doubt, please enquire in advance.

Fabrics:

For suitable fabrics, see SKID, SKIRO, SKYLIGHT charts of the roller blind / panel blind collection and customised print JAGO.

Fabric size:

See below

Installation:

Adhesive set	Screw installation:
MHZ adhesive set for sticking to the glass pane without tools or residue.	Glazing bead installation (straight glazing bead) with aluminium clip and footplate base (min. 18 mm glazing bead depth)
	Glazing bead installation (angled glazing bead) with aluminium clip and footplate base (min. 18 mm glazing bead depth). For angled installation, please use levelling chocks that fit the glazing bead slope.
	Glazing bead installation (front) with aluminium clip and glazing bead bracket incl. footplate base
	Window sash installation with aluminium clip and angle bracket incl. footplate base

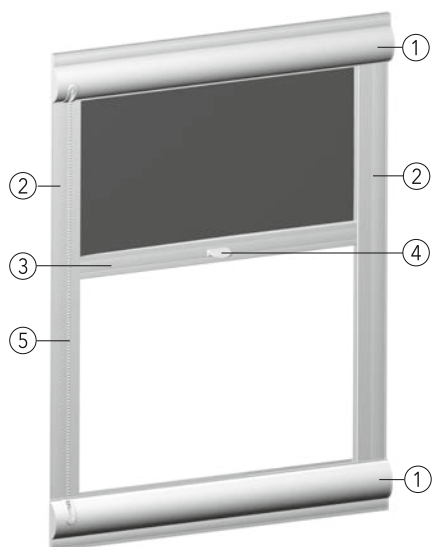
Please note the measuring advice and explanation of how to use the drilling template on page 184-189.

## SKIRO roller blind - Calculation of fabric size

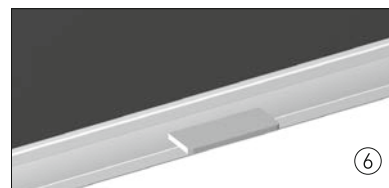
Model	Operation option	Equipment	Unit height	Fabric size
04-1614	Operating rail	Cassette	Up to 200 cm	Unit width - 22 mm

# 04-1671 SKID

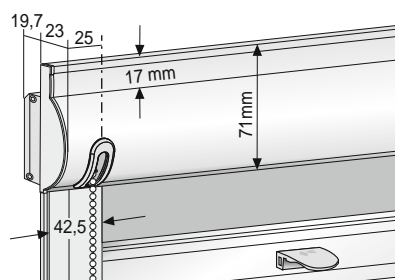
## Hardware



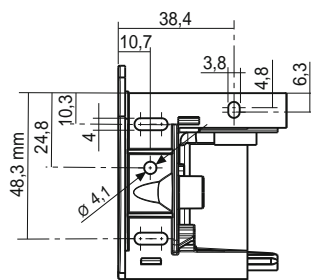
- ① Cassette
- ② Side guide
- ③ Operating rail
- ④ Operating handle
- ⑤ Operating chain
- ⑥ Aluminium grip



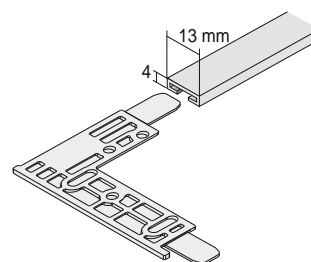
## Installation options



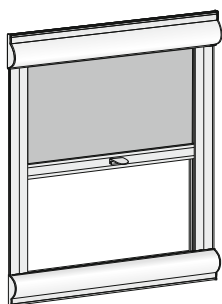
Glazing bead installation



Plastic corner profile:  
Dimensions of the drill holes provided



Spacer profile for narrow glazing bead



Concealed operating chain on both sides

## Technical data

Model:

04-1671

Operation options:

- Operating chain and operating handle

Equipment:

- Cassette

Description:

Chain operation roller blind with cover at top and bottom, and internal spring drive. Roller blind tubes made of galvanised steel tube, ø 20 mm. Extruded aluminium profiles. Side guide profiles with brush seals. Aluminium operating rail. Operation via chain pull with transparent endless bead chain on left or right, and operating handle, secured in any desired position.

2 blind fabric options possible: Blind fabric operated from top to bottom  
Blind fabric operated from bottom to top

Hardware colours:

100 silver anodised  
171 white powder-coated  
610 anthracite powder-coated  
670 black powder-coated  
RAL colours on request

Hardware colour 610 and 670 with transparent operating chain and black cord

Dimensions:

Operation/Function	Blind unit sizes		
	Min. width	Max. width	Max. height
Operating chain and operating handle/Window	From 30 cm	Up to 150 cm	150 cm
Operating chain and operating handle/Door	From 30 cm	Up to 120 cm	220 cm

Please note: If the width to height ratio is greater than 1:4, there is an increased risk of skewing.  
If in doubt, please enquire in advance.

Fabrics:

For suitable fabrics, see SKID, SKIRO, SKYLIGHT charts of the roller blind / panel blind collection and customised print JAGO.

Fabric size:

See below

Additional equipment:

- Aluminium grip  
- Single/double spacer profile with 4/8 corner connectors  
- Concealed operating chain on both sides

Installation:

Installation:  
Side guide profiles are attached and swivelled in. Frame is fixed via the screw connection already present in the end cap. Drill holes provided are adapted to different glazing beads. Side guide with adhesive tape from a height of 100 cm (adhesive tape not suitable for painted or glazed surfaces).

Dimension template as a measuring aid for different glazing bead shapes and required spacer profiles.

Please note the measuring advice and explanation of how to use the dimension template on page 184-191.

Caution: Regular operation prevents the formation of condensation. Condensation can form at night or on cold days when the temperature between the closed roller blind hanging and the glass pane drops considerably. A sufficient circulation of air in this case helps to prevent potential damage (e.g. water spots).

Note:

Cassette roller blinds and rail-guided units may only be lowered with the window closed. Otherwise there is the risk of a suction effect developing, which can pull the blind out of its side rails. If the unit is retracted in this condition, it may become damaged.

Side guide profiles only have a dim-out effect.

## SKID roller blind - Calculation of fabric size

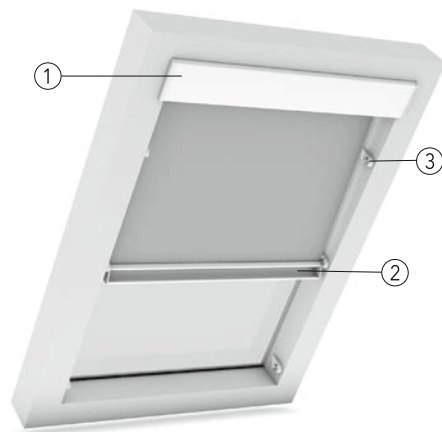
Model	Operation option	Equipment	Unit height	Fabric size
04-1671	Operating chain and operating handle	Cassette	Up to 220 cm	Unit width - 27 mm

Technical  
data

# 04-2250 skylight roller blind

## Hardware

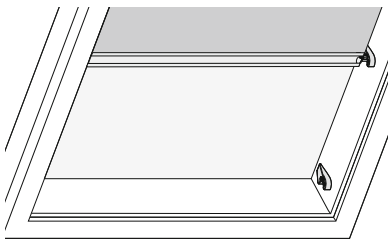
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- ① Cassette
- ② Operating rail
- ③ Weighted rod clip

## Installation and operation

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.....  
Operating rail



# 04-2250 skylight roller blind

## Technical data

Model: **04-2250**

Operation options: - Operating rail

Equipment: - Cassette

Description: **Operating rail:** Skylight roller blind for conventional skylight models. Extruded aluminium cassette. Painted white steel roller blind tube, ø 25 mm. Internal spring drive without locking mechanism. Operation via operating rail. Opened and closed by pulling or releasing the operating rail. Secured in position by hooking the operating rail into the clips at the side.

Hardware colours: 100 silver anodised  
171 white powder-coated  
RAL colours on request

Dimensions:	Operation/Function	Blind unit sizes			
		Min. width	Max. width	Min. height	Max. height
	Operating rail	From 35 cm	Up to 120 cm	30 cm	150 cm

Please note: Deviations may occur, depending on the fabric.

Fabrics: For suitable fabrics, see SKID, SKIRO, SKYLIGHT charts of the roller blind / panel blind collection and customised print JAGO.

Installation: Suitable for VELUX® Pick + Click.  
Fixed via screws.

Note: For technical reasons, the MHZ skylight roller blind is **not** suitable for the following window models:  
BRAAS Atelier, DELTA Galeria Atelier/Smart, DÖRKEN Atelier/Galeria Smart, ROTO H3 top horizontally pivoted sash window.  
Max. inclination angle: 60°.  
Since heat builds up in the area around skylights, a slight waviness at the edges of the roller blind fabric may be unavoidable, depending on the fabric quality in question.

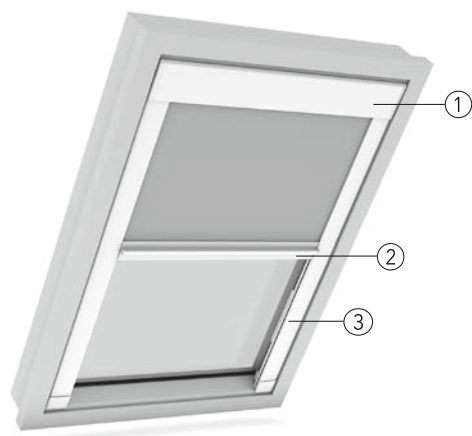
Technical  
data

# 04-2251 skylight roller blind

## Side guide profile

### Hardware

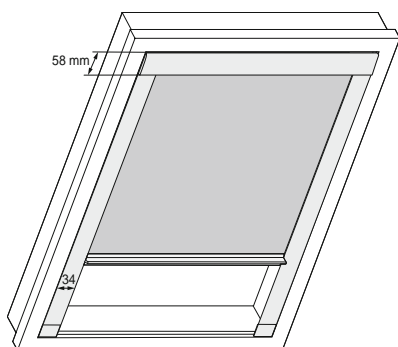
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- ① Cassette
- ② Operating rail with sealing lip
- ③ Side guide profile

### Installation and operation

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.....  
Operating rail

# 04-2251 skylight roller blind

Side guide profile

## Technical data

Model:	04-2251				
Operation options:	- Operating rail				
Equipment:	- Cassette with side guide profile				
Description:	<b>Operating rail:</b> Cassette skylight roller blind for conventional skylight models. Dim-out with side guide profiles, operating rail with sealing lip. Extruded aluminium profiles. Painted white steel roller blind tube, ø 25 mm. Internal spring drive without locking mechanism. Opened and closed by moving the operating rail, which secures in the desired position automatically.				
Hardware colours:	100 silver anodised 171 white powder-coated RAL colours on request				
Dimensions:	Operation/Function	Blind unit sizes			
		Min. width	Max. width	Min. height	Max. height
	Operating rail	From 35 cm	Up to 120 cm	30 cm	150 cm
Please note: Deviations may occur, depending on the fabric.					
Fabrics:	For suitable fabrics, see SKID, SKIRO, SKYLIGHT charts of the roller blind / panel blind collection and customised print JAGO.				
Additional equipment:	Operating rod for operating rail 100, 150 or 200 cm incl. cap.				
Installation:	Without removing the original bracket. Also suitable for VELUX® Pick + Click. Fixed via screws.				
Note:	For technical reasons, the MHZ skylight roller blind is not suitable for the following window models: BRAAS Atelier, DELTA Galeria Atelier/Smart, DÖRKEN Atelier/Galeria Smart, ROTO H3 top horizontally pivoted sash window. Max. inclination angle: 60°. Side guide profiles only have a dim-out effect. Since heat builds up in the area around skylights, a slight waviness at the edges of the roller blind fabric may be unavoidable, depending on the fabric quality in question.				

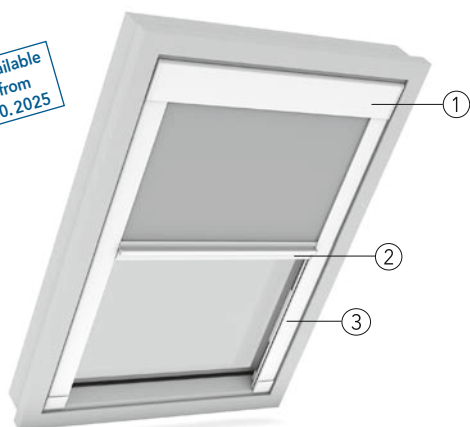
Technical  
data

# 04-2252 skylight roller blind

## Side guide profile

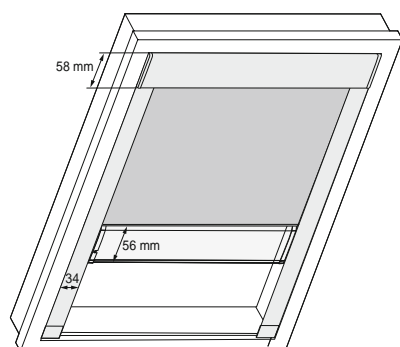
### Hardware

Available  
from  
10.2025

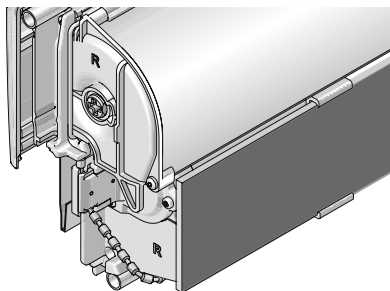


- ① Cassette
- ② Drive rail with sealing lip
- ③ Side guide profile

### Installation and operation



Operating rail



Solar panel on rear of drive rail

# 04-2252 skylight roller blind

Side guide profile incl. solar panel

## Technical data

**Model:** 04-2252

**Operation options:** - Battery-operated radio drive

**Equipment:** - Cassette with side guide profile

**Description:** Cassette skylight roller blind with battery-operated radio drive 12 V and solar panel for conventional skylight models. Dim-out with side guide profiles, drive rail with sealing lip. Extruded aluminium profiles. Painted white steel roller blind tube, ø 25 mm.  
Internal spring drive without locking mechanism. Opened and closed by moving the operating rail, which secures in the desired position automatically.

**Hardware colours:** 100 silver anodised  
171 white powder-coated  
RAL colours on request

Dimensions:	Operation/Function	Blind unit sizes			
		Min. width	Max. width	Min. height	Max. height
	Battery-operated radio drive Tilt + Lift 12 V	From 40 cm	Up to 120 cm	30 cm	150 cm

**Please note:** Deviations may occur, depending on the fabric.

**Fabrics:** For suitable fabrics, see the SKID, SKIRO, SKYLIGHT colour charts for the roller blind/panel blind collection and individual print JAGO.

**Installation:** Without removing the original bracket. Also suitable for VELUX® Pick + Click.  
Fixed via screws.

**Note:** For technical reasons, the MHZ skylight roller blind is **not** suitable for the following window models:  
BRAAS Atelier, DELTA Galeria Atelier/Smart, DÖRKEN Atelier/Galeria Smart, ROTO H3 top horizontally pivoted sash window.  
Max. inclination angle: 60°.  
Side guide profiles only have a dim-out effect.  
Since heat builds up in the area around skylights, a slight waviness at the edges of the roller blind fabric may be unavoidable, depending on the fabric quality in question.

Technical  
data