

VERTICAL BLINDS⁺

Data sheets



BENTHIN[®]

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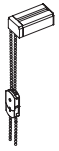

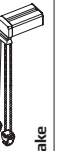



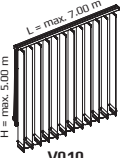
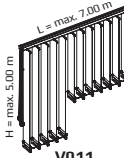
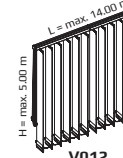
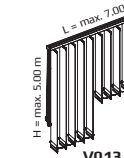
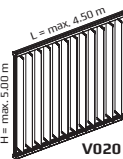
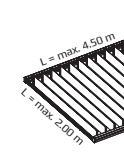
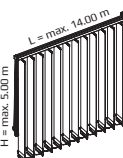

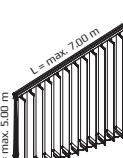
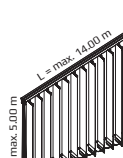
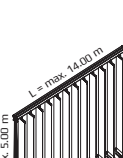
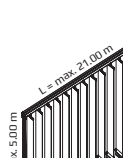

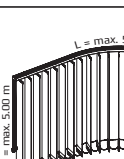


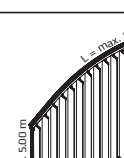


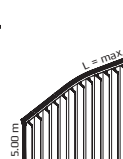
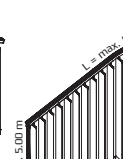
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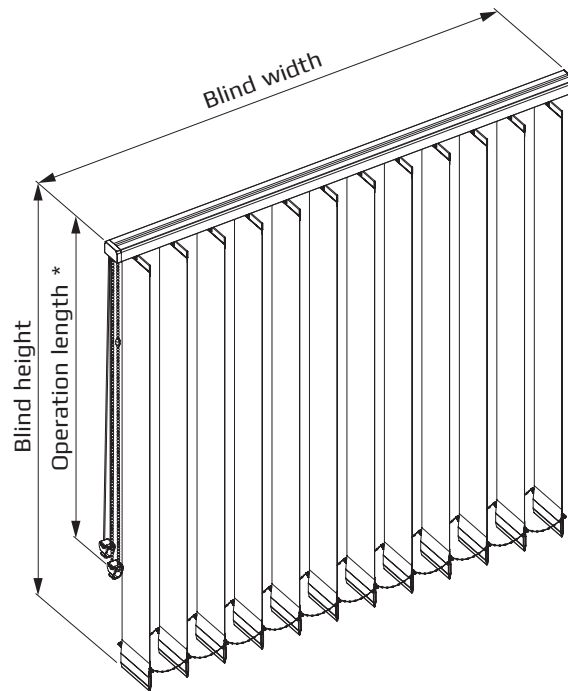
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Child Safety - EN 13120:2009+A1:2014 67-69

Vertical Blinds +		BENTHIN®									
				L = max. 7,0 m H = max. 5,0 m max. 20 kg Chain/Cord	L = max. 7,0 m H = max. 3,0 m max. 6 kg Traversing wand	L = max. 6,0 m H = max. 5,0 m max. 10 kg Mono gear	L = max. 4,5 m H = max. 5,0 m max. 10 kg Tilt wand/Cord	Chain/Cord with cord brake	Chain/Cord	Chain/Cord with end cap for top and bottom track unit	* on request IQ2-Motor system
Standard units	 V010 L = max. 7,00 m H = max. 5,00 m	 V011 L = max. 7,00 m H = max. 5,00 m	 V012 L = max. 14,00 m H = max. 5,00 m	 V013 L = max. 7,00 m H = max. 5,00 m	V010 V011 V012 V013		V010 V011 V012 V013				V010 V011 V012
Top and bottom track units	 V020 L = max. 4,50 m H = max. 5,00 m	 V025 L = max. 4,50 m L = max. 2,00 m							V020 V025	V025 <div>4:1</div>	V020 V025
Bay window units	 V030/V031 L = max. 14,00 m H = max. 5,00 m	 V032 L = max. 21,00 m H = max. 5,00 m			V030 V031 V032	V030 V031 V032	V030 V031 V032	V030 V031 V032			V030 V031 V032
Slope units	 V040/ V041 L = max. 7,00 m H = max. 5,00 m	 V050 L = max. 14,00 m H = max. 5,00 m						V040 V041 V050			V040 V041 V050
	 V060/V061 L = max. 14,00 m H = max. 5,00 m	 V070 L = max. 21,00 m H = max. 5,00 m						V060 V061 V070			V060 V061 V070
Horizontally curved units	 V080 L = max. 5,60 m H = max. 5,00 m	 V081 L = max. 5,60 m H = max. 5,00 m	 V082 L = max. 5,60 m H = max. 5,00 m		V080 V081 V082 <div>4:1</div>						V080 * V081 V082
Vertically curved units	 V090 L = max. 5,60 m H = max. 5,00 m	 V091 L = max. 5,60 m H = max. 5,00 m	 V096 L = max. 5,60 m H = max. 5,00 m					V090 V091 V096 <div>4:1</div>			V096 *
	 V092/V094 L = max. 5,60 m H = max. 5,00 m	 V093 L = max. 5,60 m H = max. 5,00 m	 V095 L = max. 5,60 m H = max. 5,00 m					V092 V093 V094 V095 <div>4:1</div>			V092 V094

V010 - Standard unit with free hanging louvres.



*** Child safety:**
for further
informations
please refer
to page 67-69

- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 35.00 m²
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord (optionally with planetary gear 4:1),
Traversing wand,
Mono gear,
Tilt wand/Cord
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V010 - Standard unit with free hanging louvres.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)

Monogear with the use of a chain securing device. (P. 71)

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

Traversing wand

180° rotation and movement of the louvres via aluminium wand,

(Length max. 1.50 m) in white, grey and black.

Blind width max. 7.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg

for one-piece louvre packing on the left or right side.

Blind width max. 5.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg

for splitted or central louvre package position (with one aluminium wand).

Mono gear

180° rotation and movement of the louvres via endless ball chain (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Blind width max. 6.00 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

Tilt wand/Cord

180° rotation of the louvres via tilt wand in transparent (PC - polycarbonate).

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

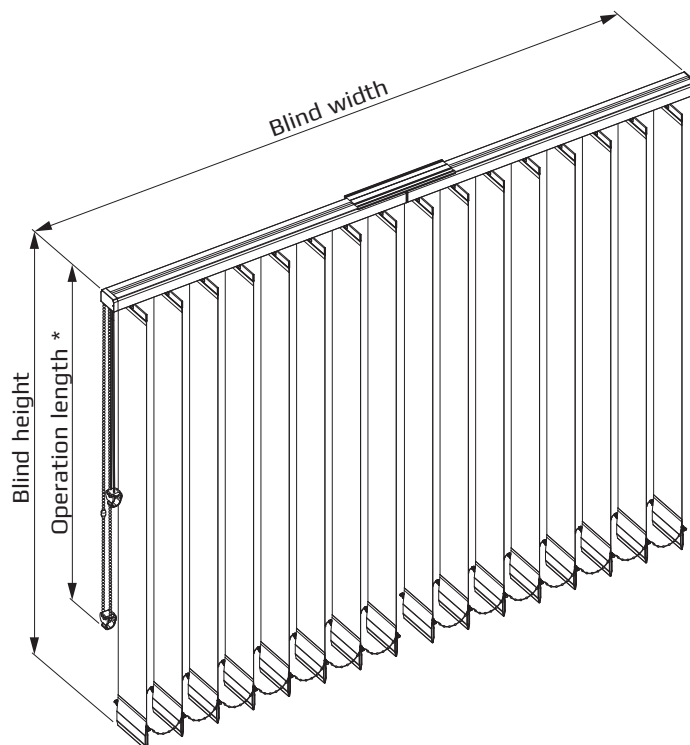
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V010-ST - Standard unit with split guiding rail and freely hanging louvres.



*** Child safety:**
for further
informations
please refer
to page 67-69

- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 35.00 m²
 - **Fabric weight** : max. 15.00 kg

Guiding track and turning shaft divided for transport.

Gear/Hardware

- **Free-hanging louvres with manual operation (chain/cord).**
- **Track** (40 x 25 mm, max. length 7.00 m) is made of extruded aluminium (Al Mg Si 0,5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1), white (RAL 9016), brown (RAL 8077), black (RAL 9005); special colors are possible. Aluminium track connector for connecting the guide track.
- **Shaft** (Ø6,0 mm) is made of extruded aluminium (Al Mg Si 0,5 F22). Torsion-proof grooved shaft, stabilization by stationary shaft support. Plastic sleeve for connecting the turning shaft.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

Bedienung

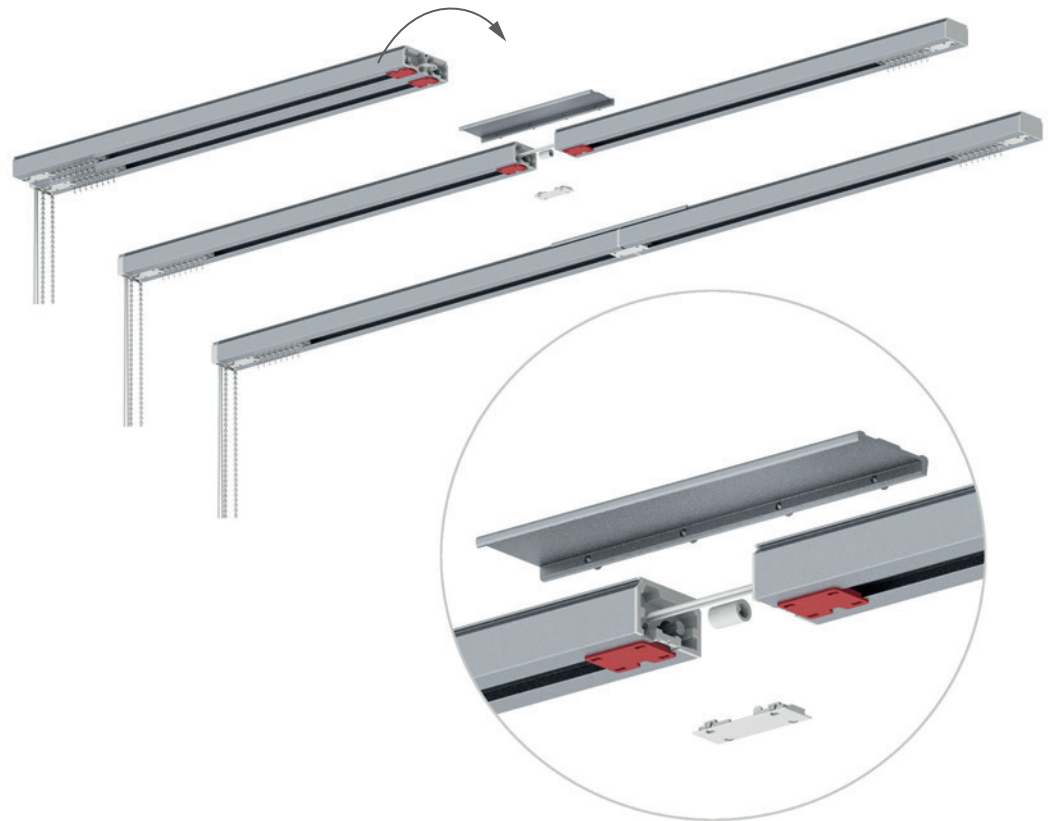
- **Manual operation** optional left or right.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.
- **Chain/cord**
180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
Optionally with planetary gear 4:1.

V010-ST - Standard unit with split guiding rail and freely hanging louvres.**Louvre**

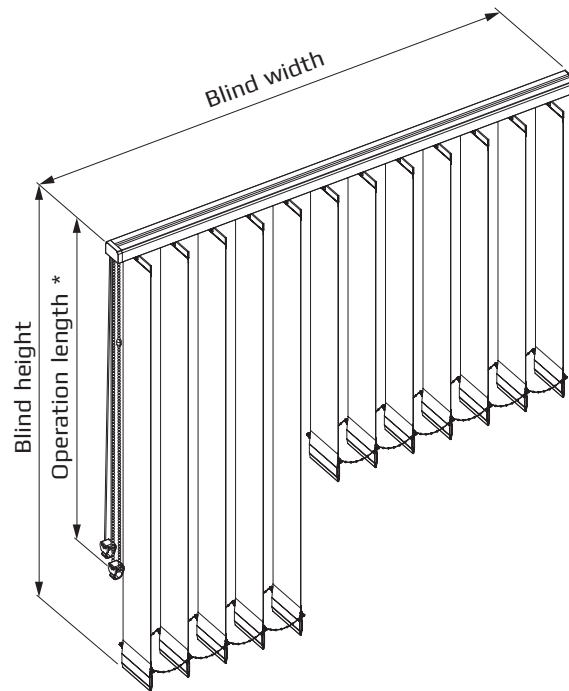
- **Louvre width:** 127 mm (standard), 89 mm, 70 mm.
- **Louvre package** with split louvre package position.
Can be moved for window cleaning.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.



V011 - Standard unit with one part of shorter louvres.



*** Child safety:**
for further
informations
please refer
to page 67-69

- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 35.00 m²
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord (optionally with a planetary gear 4:1),
Traversing wand,
Mono gear,
Tilt wand/Cord
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V011 - Standard unit with one part of shorter louvres.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)

Monogear with the use of a chain securing device. (P. 71)

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

Traversing wand

180° rotation and movement of the louvres via aluminium wand,

(Length max. 1.50 m) in white, grey and black.

Blind width max. 7.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg

for one-piece louvre packing on the left or right side.

Blind width max. 5.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg

for splitted or central louvre package position (with one aluminium wand).

Operation is located on the side of the shorter louvres.

Mono gear

180° rotation and movement of the louvres via endless ball chain (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Blind width max. 6.00 m / Blind height max. 5.00 m / Fabric weight max. 6.00 kg.

Tilt wand/Cord

180° rotation of the louvres via tilt wand (Hexagonal SW 7) in transparent (PC - polycarbonate).

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Louvre packing appears on the side of the longer louvres.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

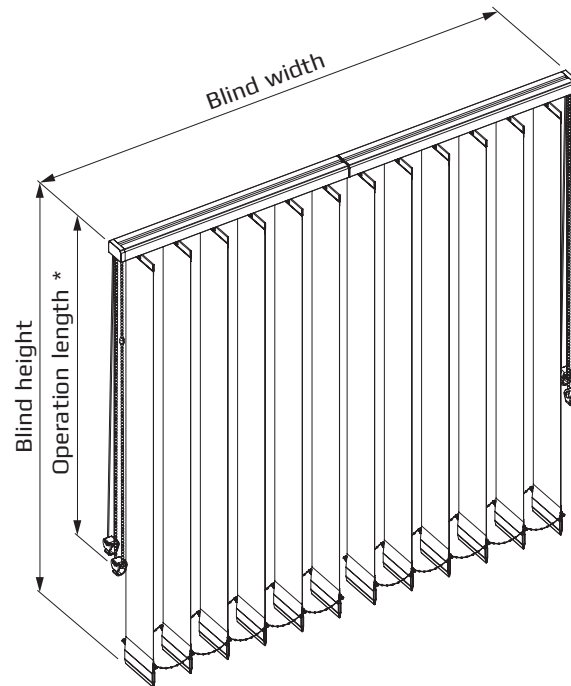
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V012 - Two standard units with louver overlap.



*** Child safety:**
for further
informations
please refer
to page 67-69

- Dimensions/Measures**
- **Blind width** : max. 14.00 m/per blind max. 7.00 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louver)
 - **Fabric** : max. 70.00 m² (per blind max. 35.00 m²)
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord (optionally with a planetary gear 4:1),
Traversing wand,
Tilt wand/Cord
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 2 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louver hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V012 - Two standard units with louver overlap.**Operation**

- **Manual operation** left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

Traversing wand

180° rotation and movement of the louvres via aluminium wand,

(Length max. 1.50 m) in white, grey and black.

Blind width max. 7.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg for one-piece louver packing on the left or right side.

One-piece louver packing is located on each side pulley.

Blind width max. 5.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg for splitted or central louver package position (with one aluminium wand).

Tilt wand/Cord

180° rotation of the louvres via tilt wand (Hexagonal SW 7) in transparent (PC - polycarbonate).

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louver widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louver package position as desired.

Welded louver holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

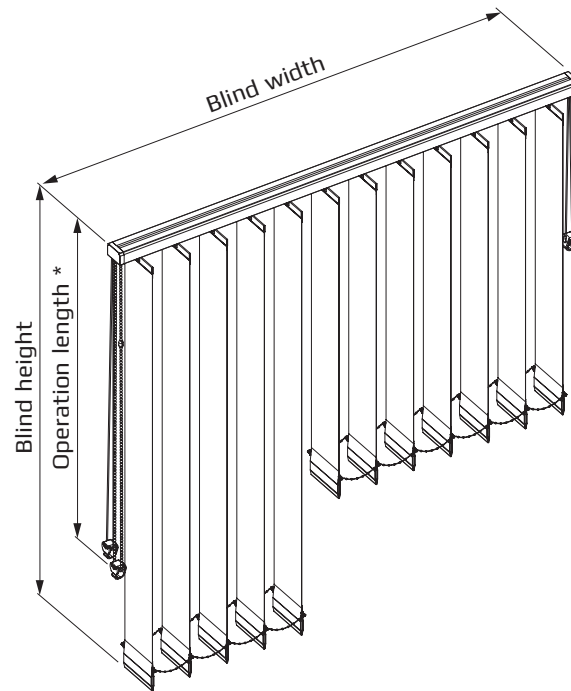
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V013 - Standard unit with two louvre hangings that can be moved separately.



*** Child safety:**
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to page 67-69

- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 35.00 m²
 - **Fabric weight** and **blind size** are depending on the control option

- Gear/Hardware**
- **Free-hanging louvres with manual operation**
Chain and cord (optionally with a planetary gear 4:1)
or
Tilt wand/Cord.
 - **Track** (40 x 25 mm, max. length 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
 - **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
 - **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
 - Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V013 - Standard unit with two louvre hangings that can be moved separately.**Operation**

- **Manual operation** links und rechts.

One operation is the main operation (tilting and sideways travel)

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

Tilt wand/Cord

180° rotation of the louvres via tilt wand (Hexagonal SW 7) in transparent

(PC - polycarbonate).

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

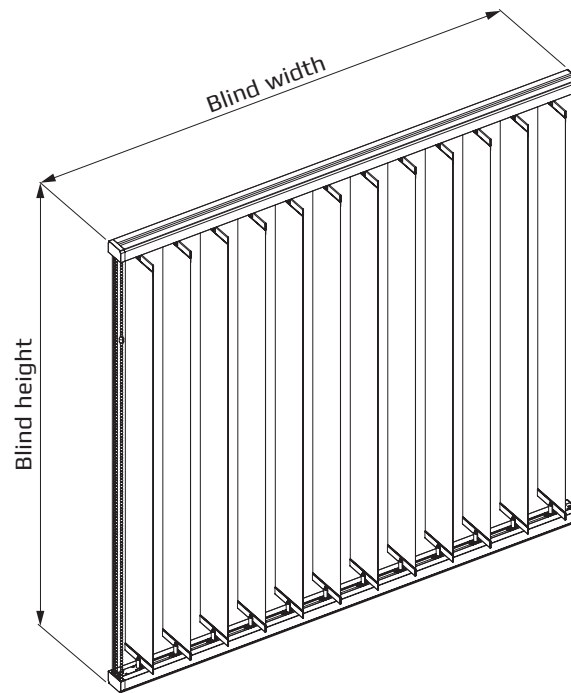
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V020 - Top and bottom track unit with spring-tensioned louvres between two parallel guiding tracks.



- Dimensions/Measures**
- **Blind width** : max. 4.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 20.00 m²
 - **Fabric weight** and **blind size** are depending on the control option

- Gear/Hardware**
- **Spring-tensioned louvres with manual operation**
Chain and cord (optionally with a planetary gear 4:1)
or
spring-tensioned louvres with motor operation
IQ2-motor system (one motor per track).
 - **Track** (40 x 25 mm, max. length 4.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
 - **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
 - **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
 - Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V020 - Top and bottom track unit with spring-tensioned louvres between two parallel guiding tracks.**Operation**

- **Manual operation** optional left or right.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Note: No aluminium louvres possible!

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

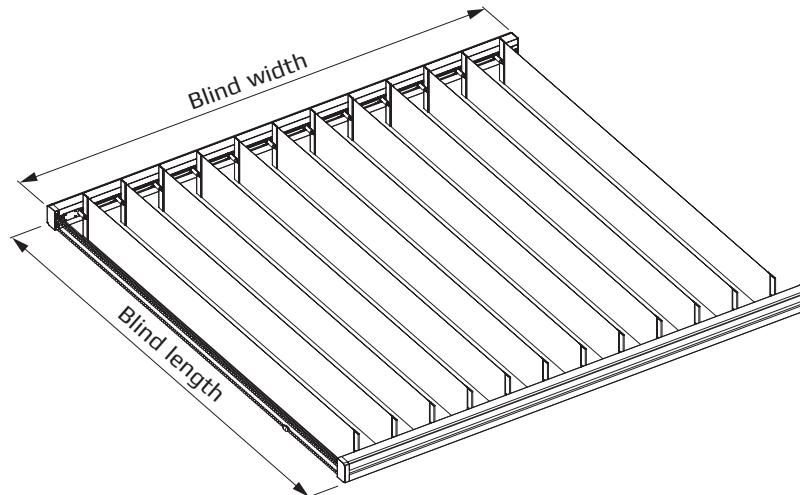
- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

Note: Tracks must be mounted parallel and vertically.

V025 - Horizontally mounted top and bottom track unit with spring-tensioned louvres between two parallel guiding tracks.



- Dimensions/Measures**
- **Blind width** : **max. 4.50 m** (track length incl. end caps)
 - **Blind length** : **max. 2.00 m** (from the outer edge of the left track to the outer edge of the right track)
 - **Fabric** : **max. 9.00 m²**
 - **Fabric weight** and **blind size** are depending on the control option

- Gear/Hardware**
- **Spring-tensioned louvres with manual operation**
Chain and cord (optional with end cap for top and bottom track 4:1)
or
spring-tensioned louvres with motor operation
IQ2-motor system (one motor per track).
 - **Track** (40 x 25 mm, max. length 4.50 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
 - **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
 - **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
 - Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V025 - Horizontally mounted top and bottom track unit with spring-tensioned louvres between two parallel guiding tracks.

Operation

- **Manual operation:** tilting and sideways travel via chain/cord at the end.
The end cap for top and bottom track units is available as a special accessory; this permits the louvres to be tilted easily from the ground, even if the unit is mounted high up.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operation chain via Cord/chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
Optional with end cap for top and bottom track 4:1 (Plastic ball chain Ø4.5 x 6.0 mm)

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.
It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).
These functions are controlled by an operating button.
The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.
The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.
Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Left, right, central or split louvre package position as desired.
Welded louvre holder (PC - polycarbonate).

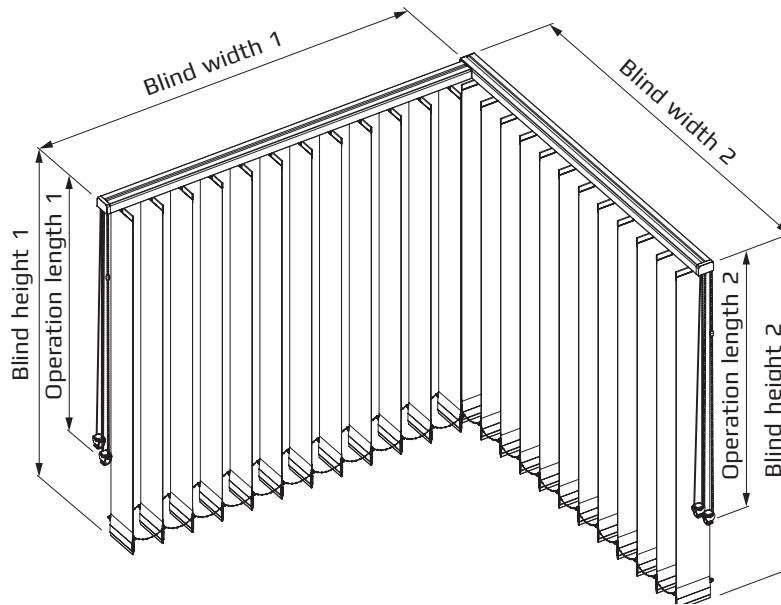
Note: No aluminium louvres possible!

Mounting

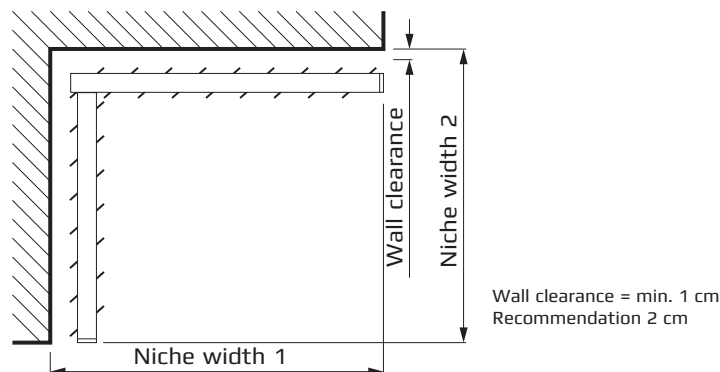
- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.
- **Recess profile** enables to mount the track in the ceiling cut-out.
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
For measures, see section **Mounting dimensions** from page 46 to 61.

Note: Tracks must be mounted parallel and horizontally.

V030 - Bay window unit, a combination of two standard units type V010, wing left.
 V031 - Bay window unit, a combination of two standard units type V010, wing right.



* **Child safety:**
 for further
 informations
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 to page 67-69



- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 70.00 m² (per blind max. 35.00 m²)
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
 Chain and cord (optionally with a planetary gear 4:1),
 Traversing wand,
 Mono gear,
 Tilt wand/Cord
 or
free-hanging louvres with motor operation
 IQ2-motor system.
- **Track** (40 x 25 mm, max. length 2 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
 Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
 Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
 Replaceable louvre hooks (polycarbonate).
 Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V030 - Bay window unit, a combination of two standard units type V010, wing left.

V031 - Bay window unit, a combination of two standard units type V010, wing right.

Operation

- **Manual operation** left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)

Monogear with the use of a chain securing device. (P. 71)

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

Traversing wand

180° rotation and movement of the louvres via aluminium wand,

(Length max. 1.50 m) in white, grey and black.

Blind width max. 7.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg for one-piece louvre packing on the left or right side.

Blind width max. 5.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg for splitted or central louvre package position (with one aluminium wand).

Mono gear

180° rotation and movement of the louvres via endless ball chain (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Blind width max. 6.00 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

Tilt wand/Cord

180° rotation of the louvres via tilt wand (Hexagonal SW 7) in transparent

(PC - polycarbonate).

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

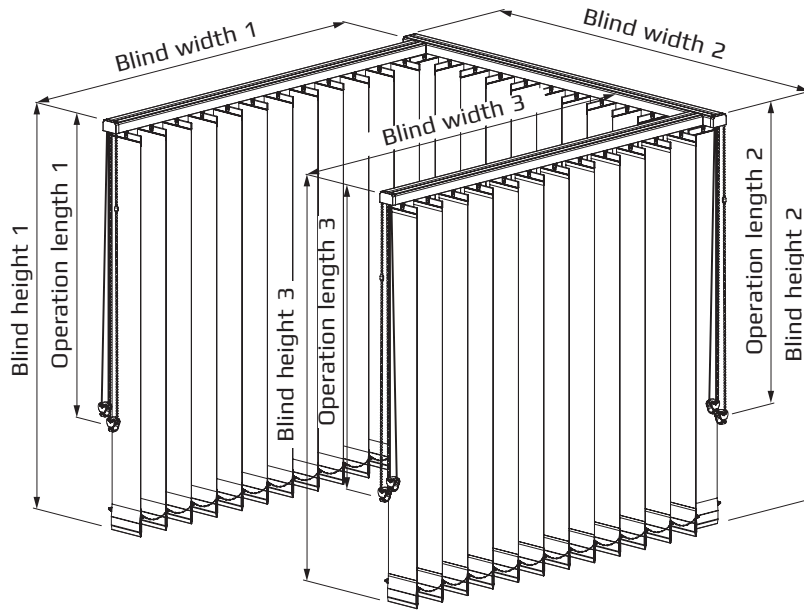
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

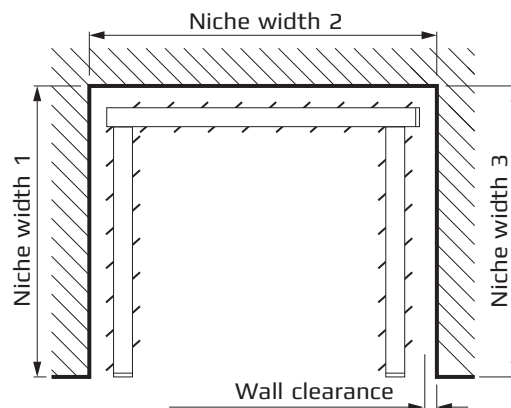
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V032 - Bay window unit, a combination of three standard units type V010, wing left and right.



* **Child safety:**
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- Dimensions/Measures**
- **Blind width** : max. 7.00 m (track length incl. end caps)
 - **Blind height** : max. 5.00 m (from the top of the track to the lower corner of the louvre)
 - **Fabric** : max. 105.00 m² (per blind max. 35.00 m²)
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord (optionally with a planetary gear 4:1),
Traversing wand,
Mono gear,
Tilt wand/Cord,
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 3 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V032 - Bay window unit, a combination of three standard units type V010, wing left and right.**Operation**

- **Manual operation** left or right, operation of the unit in the central is optional left or right.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)
Monogear with the use of a chain securing device. (P. 71)
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
Optionally with planetary gear 4:1.

Traversing wand

180° rotation and movement of the louvres via aluminium wand,
(Length max. 1.50 m) in white, grey and black.
Blind width max. 7.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg
for one-piece louvre packing on the left or right side.
Blind width max. 5.00 m / Blind height max. 3.00 m / Fabric weight max. 6.00 kg
for splitted or central louvre package position (with one aluminium wand).

Mono gear

180° rotation and movement of the louvres via endless ball chain (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Blind width max. 6.00 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

Tilt wand/Cord

180° rotation of the louvres via tilt wand (Hexagonal SW 7) in transparent (PC - polycarbonate).
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
Blind width max. 4.50 m / Blind height max. 5.00 m / Fabric weight max. 10.00 kg.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.
It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).
These functions are controlled by an operating button.
The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.
The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.
Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

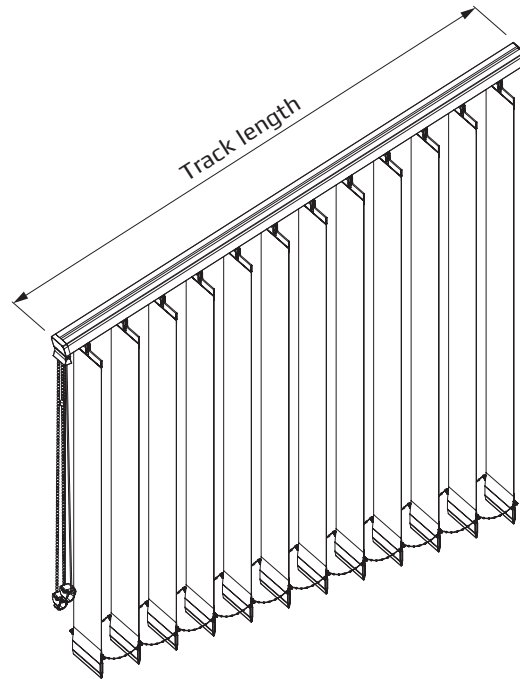
- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Left, right, central or split louvre package position as desired.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

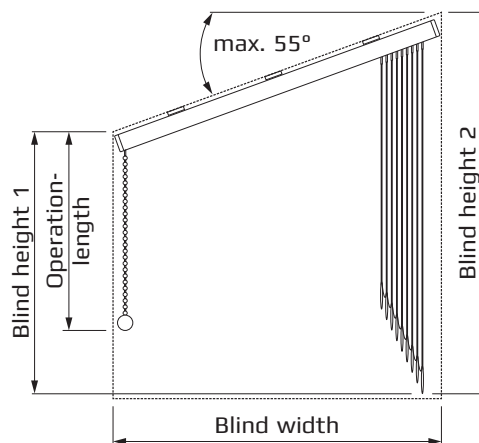
- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.
- **Recess profile** enables to mount the track in the ceiling cut-out.
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
For measures, see section **Mounting dimensions** from page 46 to 61.

V040 - Slope unit, low side left.

V041 - Slope unit, low side right.



* **Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 7.00 m (incl. end caps)
 - **Blind height 2** : max. 5,00 m (from the top corner to the lower corner of the louvre)
 - **Fabric** : max. 35,00 m²
 - **Tilt angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with cord brake (to hold the louvres in any position), optionally with planetary gear 4:1
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22). Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate). with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V040 - Slope unit, low side left.**V041 - Slope unit, low side right.****Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Motor operation**

Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Louvre package position at the highest point of the track.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

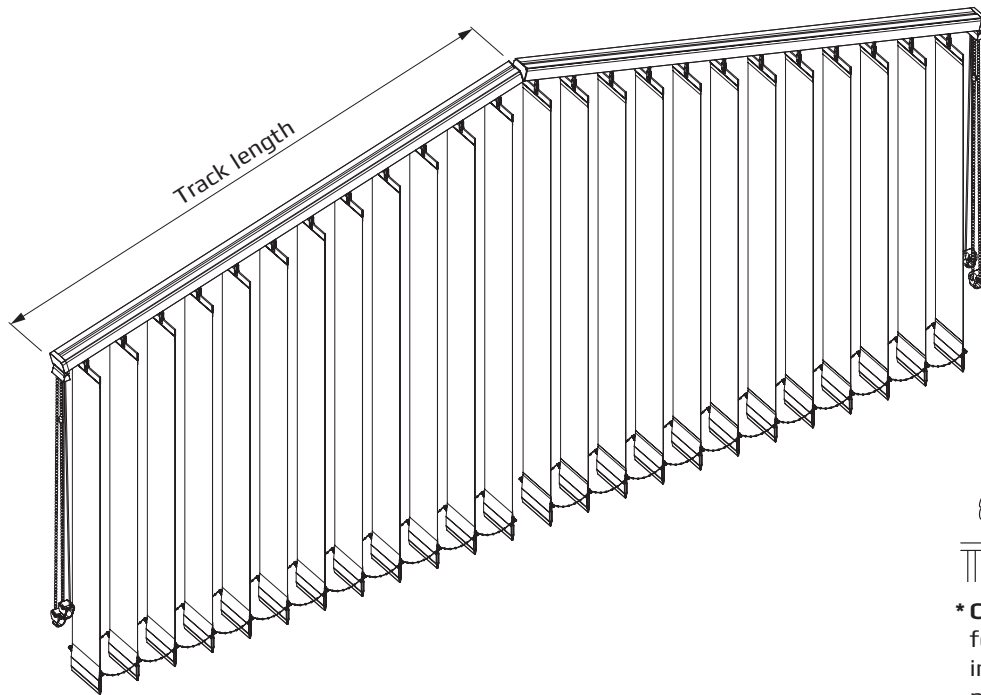
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

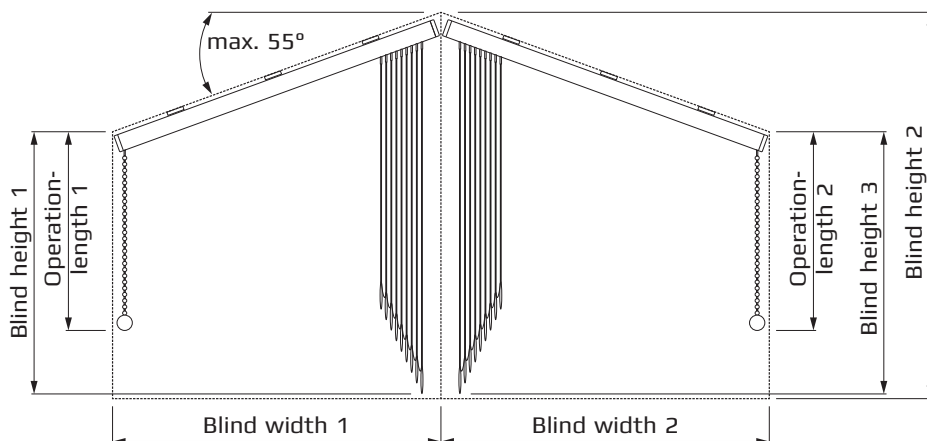
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V050 - Two slope units with louvre overlap.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 7.00 m (incl. end caps)
 - **Blind height 2** : max. 5,00 m (from the top corner to the lower corner of the louvre)
 - **Fabric** : max. 70,00 m² (per blind max. 35,00 m²)
 - **Tilt angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with cord brake (to hold the louvres in any position), optionally with planetary gear 4:1
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 2 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate). with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V050 - Two slope units with louvre overlap.**Operation**

- **Manual operation** left or right.
(min. height 50 cm; when using the planetary gear min. height 65 cm).
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.
- **Chain/cord with cord brake**
180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
Optionally with planetary gear 4:1.
- **Motor operation**
Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).
The IQ2-Motor serves to move the louvres sideways and to tilt them.
It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).
These functions are controlled by an operating button.
The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.
Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

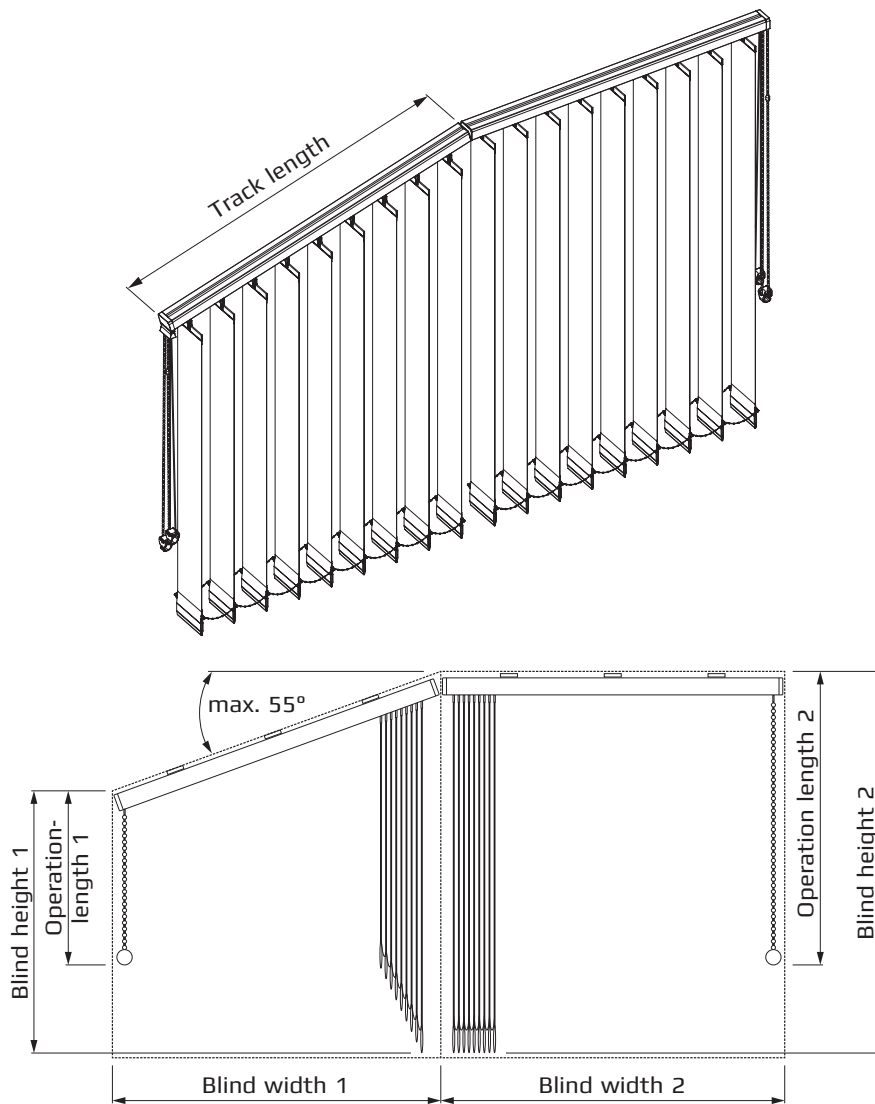
- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Louvre package position at the highest point of the track.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.
- **Recess profile** enables to mount the track in the ceiling cut-out.
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
For measures, see section **Mounting dimensions** from page 46 to 61.

V060 - Slope unit and standard unit with louvre overlap, low side left.

V061 - Slope unit and standard unit with louvre overlap, low side right.



* **Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 7.00 m (incl. end caps)
 - **Blind height 2** : max. 5.00 m (from the top corner to the lower corner of the louvre)
 - **Fabric** : max. 70.00 m² (per blind max. 35.00 m²)
 - **Tilt angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Slope unit:
Chain and cord with cord brake (to hold the louvres in any position), optionally with planetary gear 4:1.
Standard unit:
Chain and cord (optionally with a planetary gear 4:1),
Traversing wand, Mono gear, Tilt wand/Cord
or
free-hanging louvres with motor operation
IQ2-motor system.
- **Track** (40 x 25 mm, max. length 2 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm).
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate). Slope unit: with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V060 - Slope unit and standard unit with louvre overlap, low side left.

V061 - Slope unit and standard unit with louvre overlap, low side right.

Operation

- **Manual operation**

Slope unit: left or right.

(min. height 50 cm; when using the planetary gear min. height 65 cm).

Standard unit: optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)

Monogear with the use of a chain securing device. (P. 71)

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

- **Chain/cord with cord brake (Slope unit)**

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Chain/cord (Standard unit)**

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Motor operation (Slope unit and Standard unit)**

Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Slope unit: Louvre package position at the highest point of the track.

Standard unit: Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

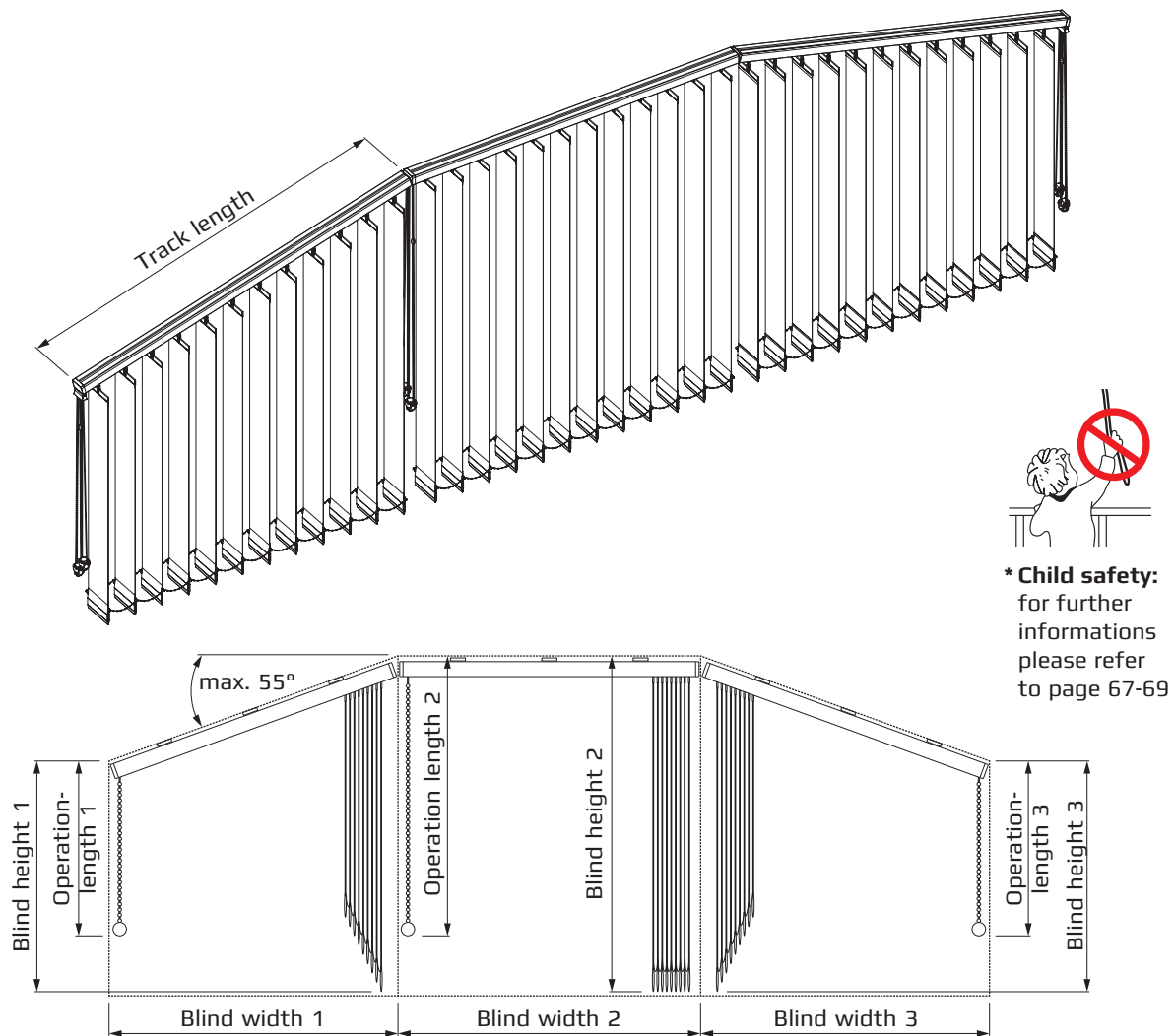
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V070 - Two slope units and one standard unit with one louvre overlap.
Operation of the standard unit is located in the joint.



*** Child safety:**
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 informations
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 to page 67-69

- Dimensions/Measures**
- **Track length** : max. 7.00 m (incl. end caps)
 - **Blind height 2** : max. 5.00 m (from the top corner to the lower corner of the louvre)
 - **Fabric** : max. 105.00 m² (per blind max. 35.00 m²)
 - **Tilt angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres**
 Slope units:
 Chain and cord with cord brake (to hold the louvres in any position), optionally with planetary gear 4:1.
 Standard unit:
 Chain and cord (optionally with a planetary gear 4:1),
 Traversing wand, Mono gear, Tilt wand/Cord
 or
free-hanging louvres with motor operation
 IQ2-motor system.
- **Track** (40 x 25 mm, max. length 3 x 7.00 m) is made of extruded aluminium (Al Mg Si 0.5 F22), powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).
- **Shaft** (Ø6.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22). Torsion-proof grooved shaft, stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser (traversing wand without arm). Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span. Replaceable louvre hooks (polycarbonate). Slope unit: with cardan joint. Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V070 - Two slope units and one standard unit with one louvre overlap.**Operation of the standard unit is located in the joint.****Operation**

- **Manual operation**

Slope units: left or right.

(min. height 50 cm; when using the planetary gear min. height 65 cm).

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent. (P. 70)

Monogear with the use of a chain securing device. (P. 71)

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

- **Chain/cord with cord brake (Slope units)**

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Chain/cord (Standard unit)**

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

Optionally with planetary gear 4:1.

- **Motor operation (Slope unit and Standard unit)**

Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Slope unit: Louvre package position at the highest point of the track.

Standard unit: Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

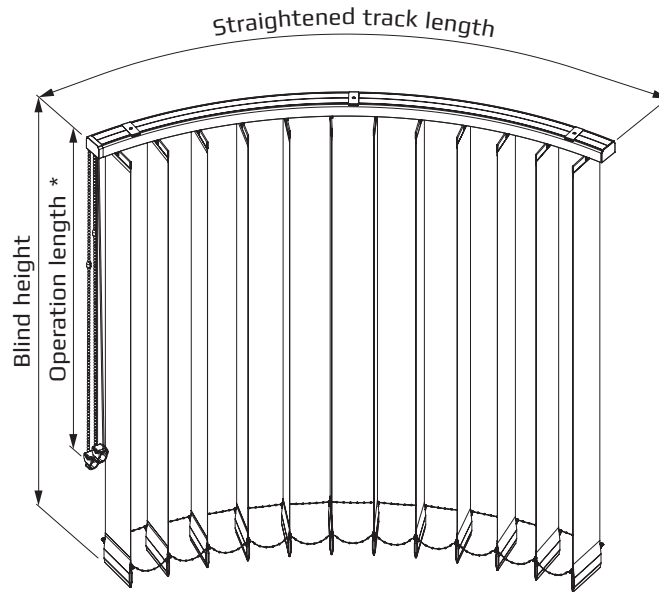
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

- **Recess profile** enables to mount the track in the ceiling cut-out.

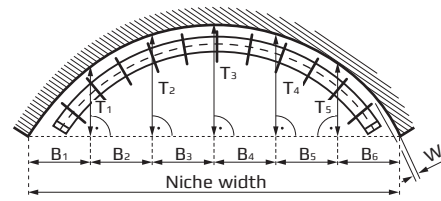
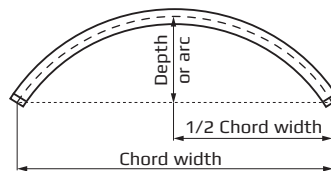
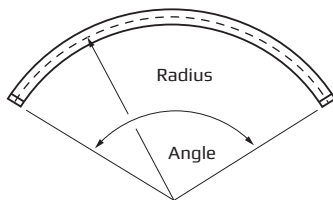
Powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

For measures, see section **Mounting dimensions** from page 46 to 61.

V080 - Horizontally curved unit with one radius.



*** Child safety:**
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Wall clearance W = min. 1 cm
Recommendation 2 cm

- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5,00 m (from the top of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0,90 m (127 mm louvre width)
min. 0,65 m (89 mm louvre width)
min. 0,55 m (63.5 mm louvre width)
 - **Fabric** : max. 28,00 m²
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1
or
free-hanging louvres with motor operation
IQ2-motor system (on request).
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V080 - Horizontally curved unit with one radius.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

With planetary gear 4:1.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

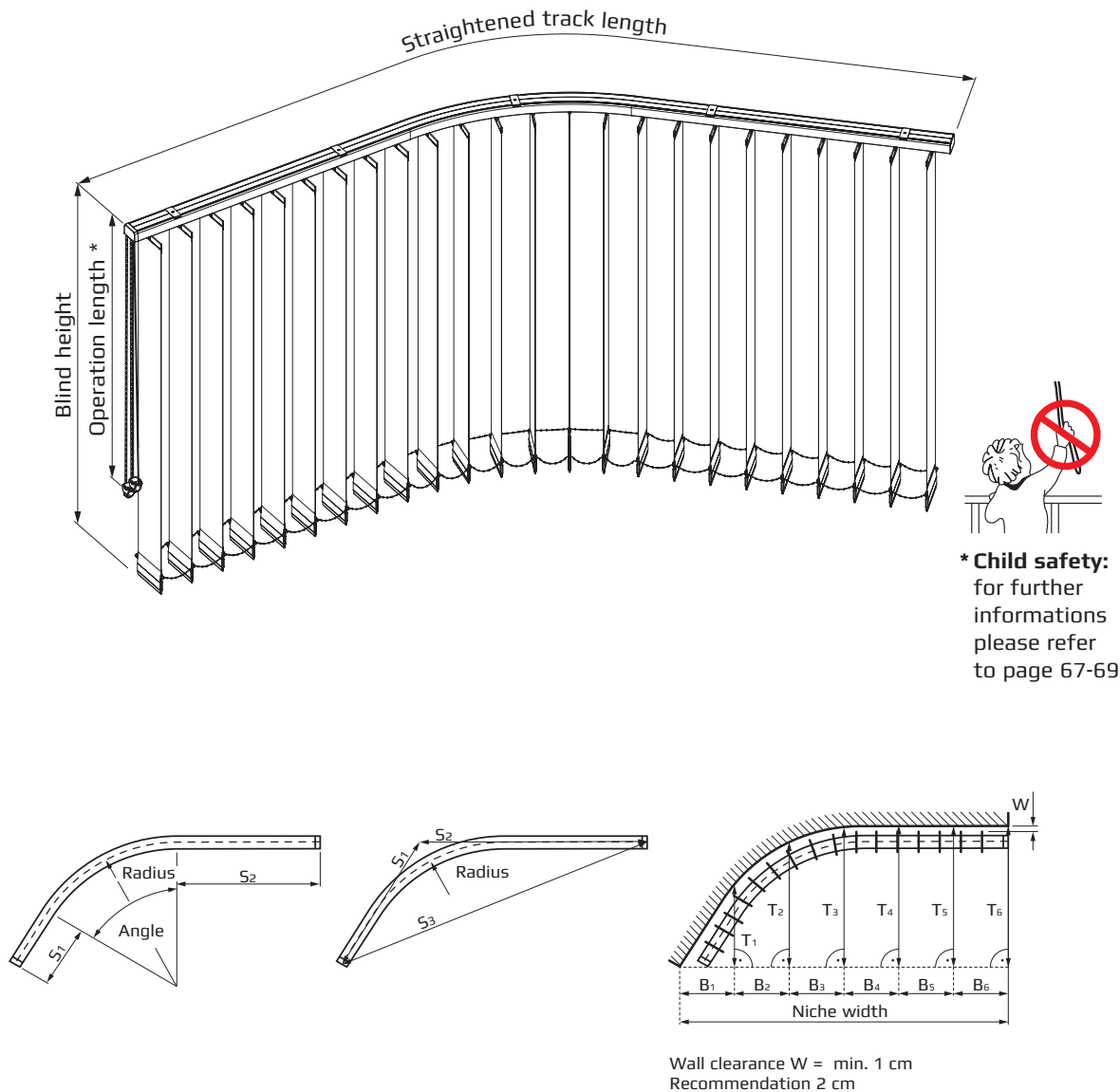
Mounting

- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V081 - Horizontally curved bay window unit with one curve.



- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5,00 m (from the top of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0,90 m (127 mm louvre width)
min. 0,65 m (89 mm louvre width)
min. 0,55 m (63.5 mm louvre width)
 - **Fabric** : max. 28,00 m²
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with a planetary gear 4:1
or
free-hanging louvres with motor operation
IQ2-motor system.
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V081 - Horizontally curved bay window unit with one curve.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

With planetary gear 4:1.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

(Straight section of minimum 400 mm must be planned).

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

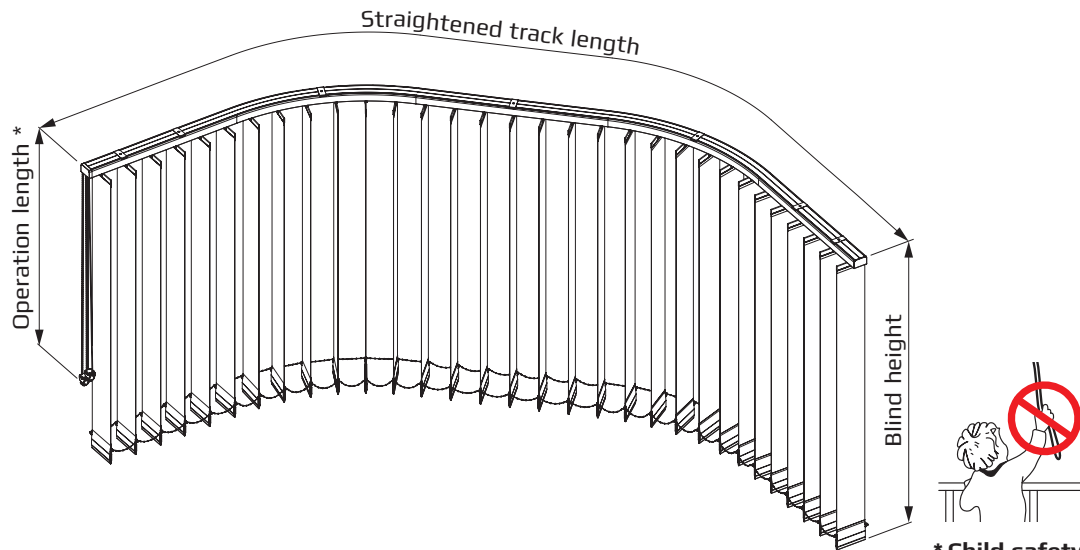
Mounting

- **Top fix brackets** in white, grey and black.

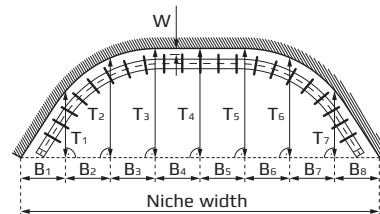
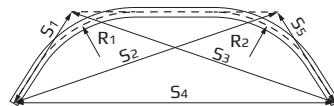
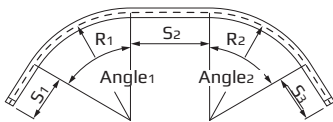
- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V082 - Horizontally curved bay window unit with two or more curves.



* **Child safety:**
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Wall clearance W = min. 1 cm
Recommendation 2 cm

R = Radius

- Dimensions/Measures**
- **Track length** : max. **5.60 m** (incl. end caps)
 - **Blind height** : max. **5,00 m** (from the top of the track to the lower corner of the louvre)
 - **Blind radius** : min. **0,90 m** (127 mm louvre width)
min. **0,65 m** (89 mm louvre width)
min. **0.55 m** (63.5 mm louvre width)
 - **Fabric** : max. **28,00 m²**
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with a planetary gear 4:1
or
free-hanging louvres with motor operation
IQ2-motor system.
- **3-parted Track** (40 x 25 mm, straightened max. length 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate).
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V082 - Horizontally curved bay window unit with two or more curves.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

With planetary gear 4:1.

- **Motor operation**

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

The motor can be installed using a variety of fasteners behind the track to the left, behind the track to the right, above the track to the left, or above the track to the right.

(Straight section of minimum 400 mm must be planned).

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Left, right, central or split louvre package position as desired.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

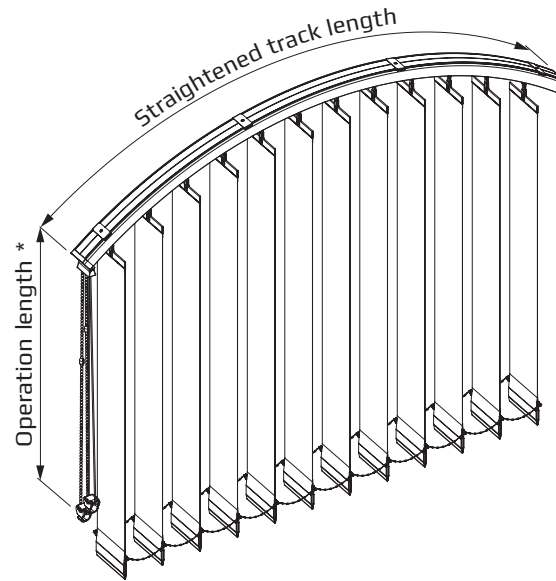
Mounting

- **Top fix brackets** in white, grey and black.

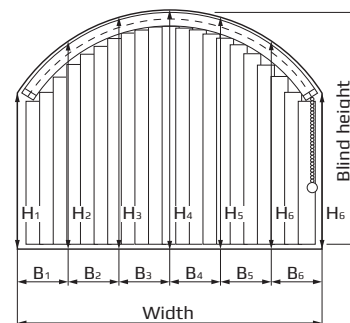
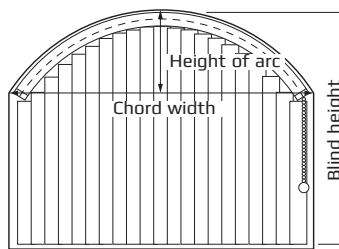
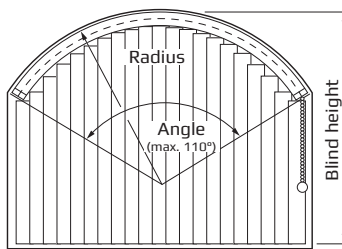
- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V090 - Vertically curved unit with one radius.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0.50 m
 - **Opening angle** : max. 110°
 - **Fabric weight** and **blind size** are depending on the control option
Note: Only symmetric blinds are possible!

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvres in any position)
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V090 - Vertically curved unit with one radius.**Operation**

- **Manual operation** optional left or right.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake
180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
With planetary gear 4:1.

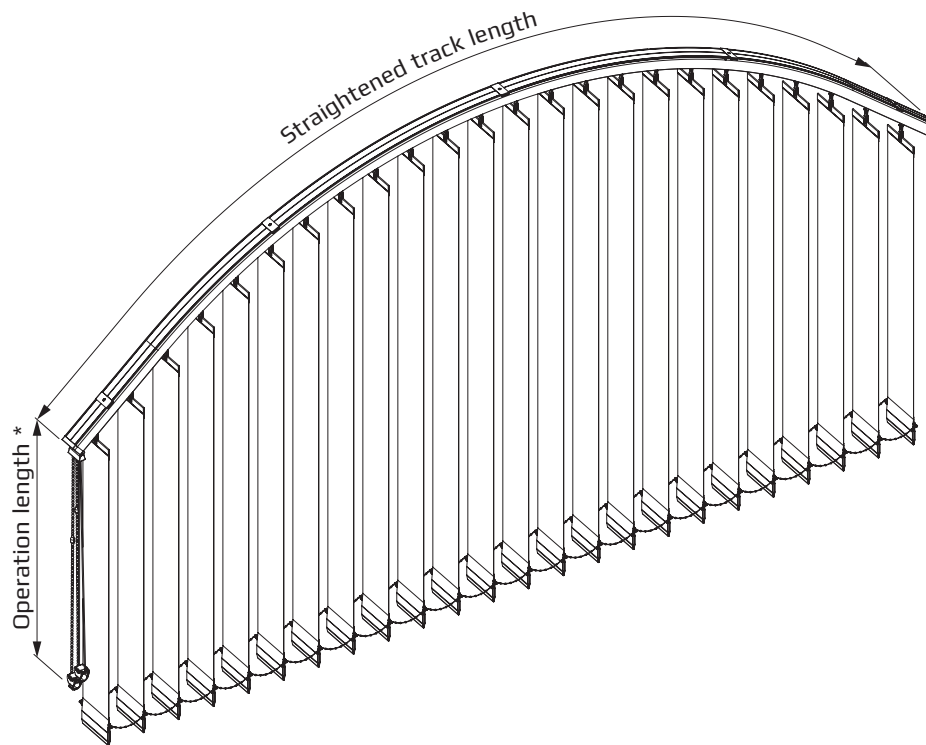
Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Louvre package position at the highest point of the track.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) and spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

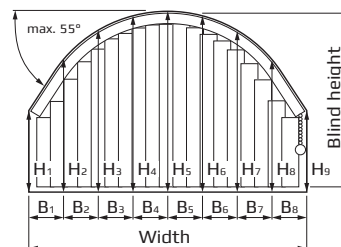
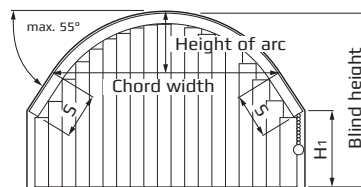
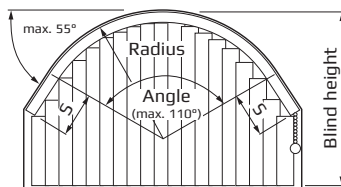
Mounting

- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V091 - Vertically curved unit with straight ends.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louver)
 - **Blind radius** : min. 0.50 m
 - **Opening angle** : max. 110°
 - **Fabric weight** and **blind size** are depending on the control option
Note: Only symmetric blinds are possible!

Gear/Hardware

- **Free-hanging louvers with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvers in any position)
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louver hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V091 - Vertically curved unit with straight ends.**Operation**

- **Manual operation** optional left or right.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
With planetary gear 4:1.

Louvre

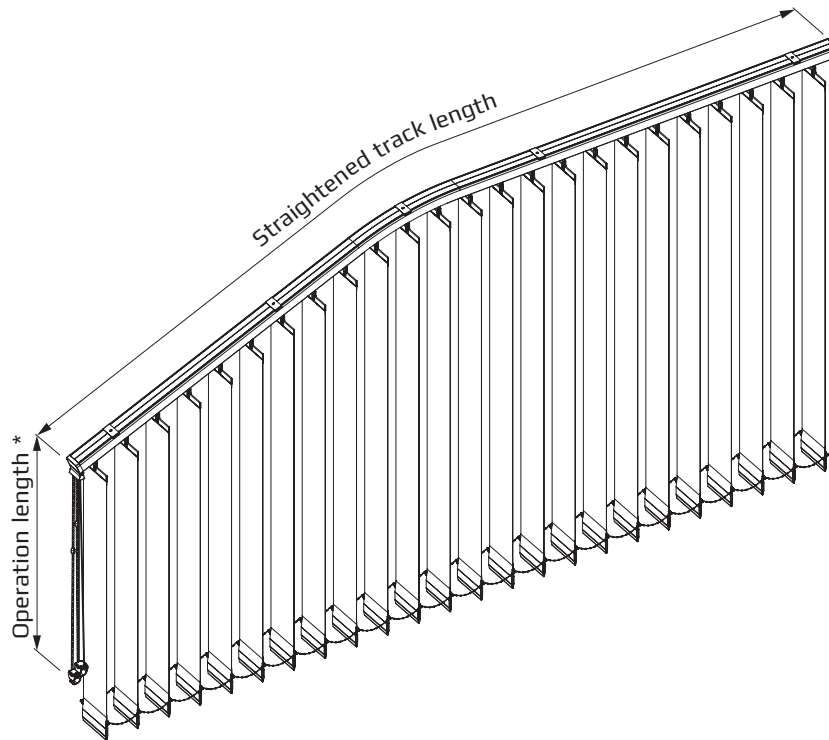
- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Louvre package position at the highest point of the track.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

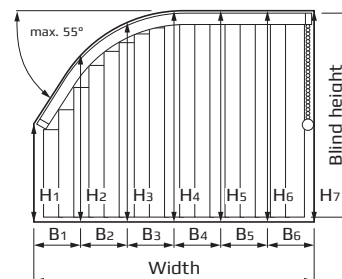
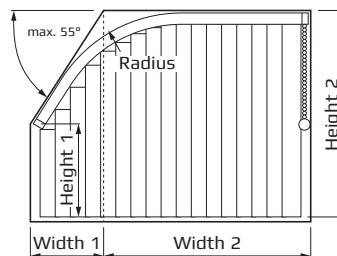
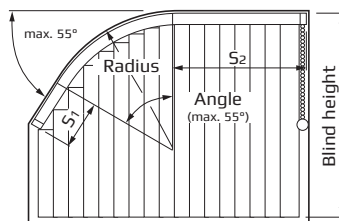
- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V092 - Vertically curved slope unit, low side left.

V094 - Vertically curved slope unit, low side right.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0.50 m
 - **Opening angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvres in any position) or
free-hanging louvres with motor operation
IQ2-motor system.
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V092 - Vertically curved slope unit, low side left.**V094 - Vertically curved slope unit, low side right.****Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

With planetary gear 4:1.

- **Motor operation**

Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Louvre package position at the highest point of the track.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

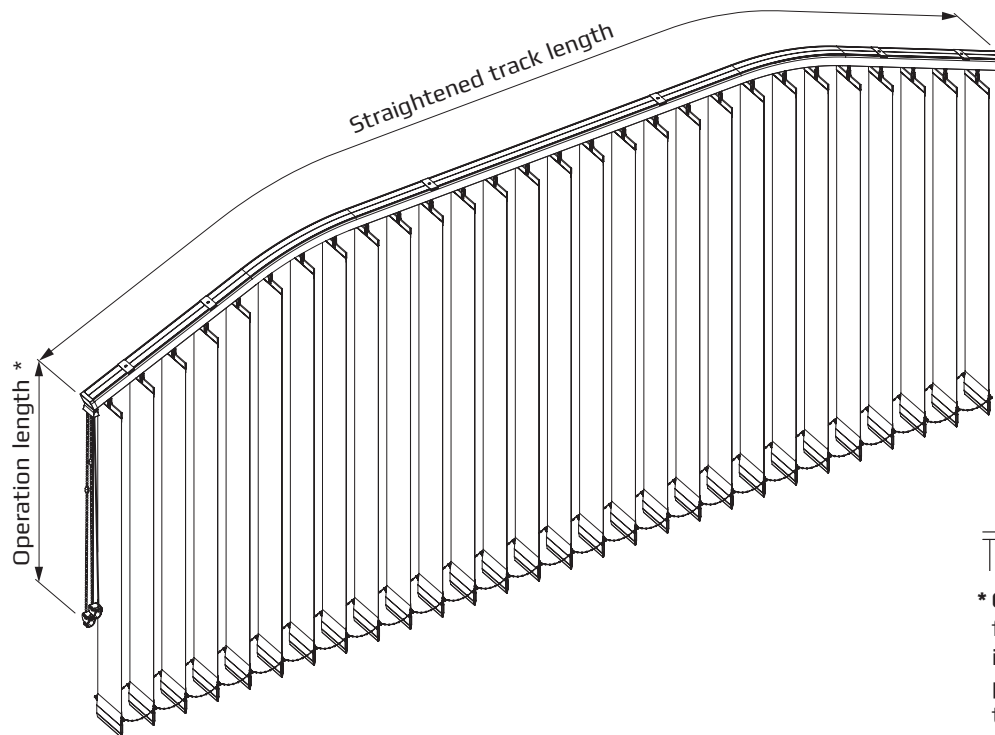
Mounting

- **Top fix brackets** in white, grey and black.

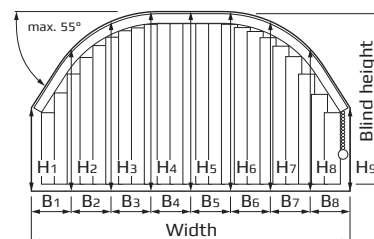
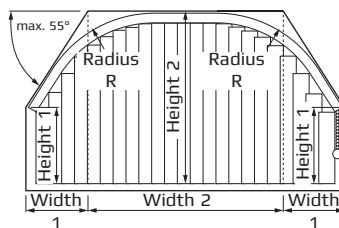
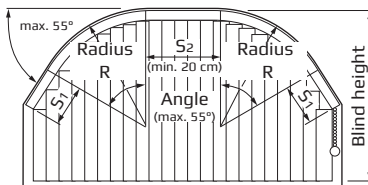
- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V093 - Vertically curved slope unit with two or more curves.



* **Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0.50 m
 - **Opening angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option
Note: Only symmetric blinds are possible!

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvres in any position)
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V093 - Vertically curved slope unit with two or more curves.**Operation**

- **Manual operation** optional left or right.
Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake
180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
With planetary gear 4:1.

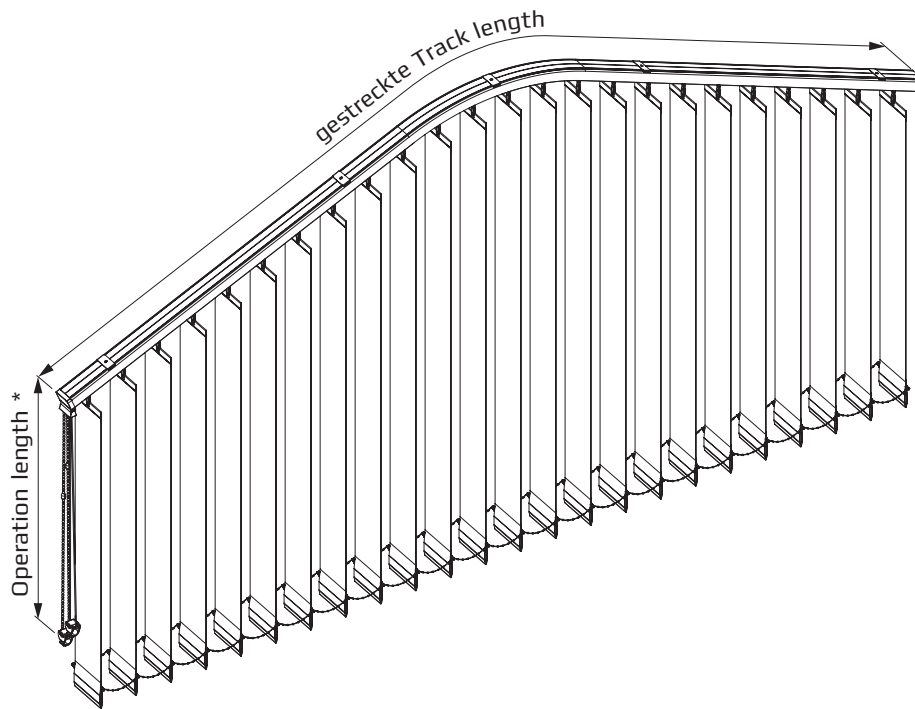
Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Louvre package position at the highest point of the track.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

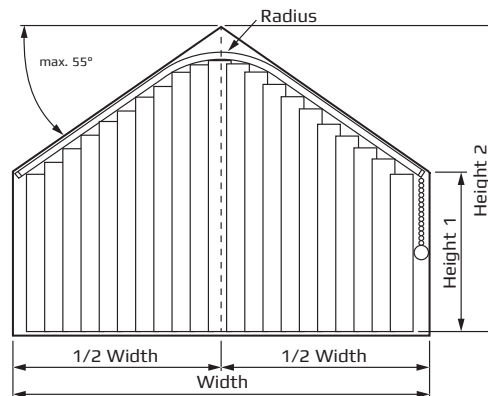
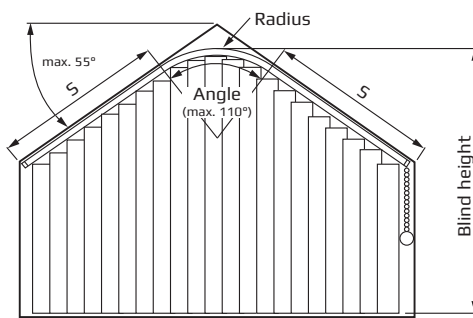
Mounting

- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V095 - Vertically curved slope unit, low side left and right.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louvre)
 - **Blind radius** : 0.50 m
 - **Opening angle** : max. 110°
 - **Fabric weight** and **blind size** are depending on the control option
Note: Only symmetric blinds are possible!

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvres in any position).
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V095 - Vertically curved slope unit, low side left and right.**Operation**

- **Manual operation** optional left or right.
Operation length: freely selectable (in compliance with child safety according to EN 13120:2009+A1:2014).
Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.
Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).
Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.
Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.
With planetary gear 4:1.

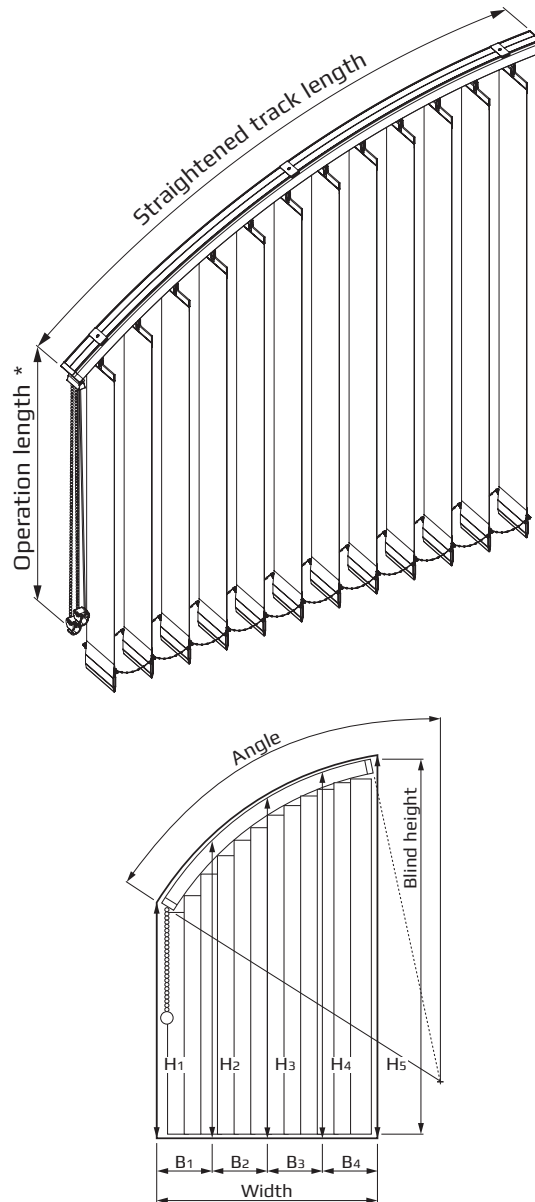
Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).
- **Louvre package** can be moved for window cleaning.
Louvre package position at the highest point of the track.
Welded louvre holder (PC - polycarbonate).
Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).
Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

- **Top fix brackets** in white, grey and black.
- **Face fix brackets** (adjustable) white, grey and black.
Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

V096 - Vertically curved unit without a vertex.



*** Child safety:**
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- Dimensions/Measures**
- **Track length** : max. 5.60 m (incl. end caps)
 - **Blind height** : max. 5.00 m (from the highest point of the track to the lower corner of the louvre)
 - **Blind radius** : min. 0.50 m
 - **Opening angle** : max. 55°
 - **Fabric weight** and **blind size** are depending on the control option

Gear/Hardware

- **Free-hanging louvres with manual operation**
Chain and cord with planetary gear 4:1 and cord brake (to hold the louvres in any position)
or
free-hanging louvres with motor operation
IQ2-motor system (on request).
- **3-parted track** (40 x 25 mm, straightened length max. 5.60 m) is made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 or powder-coated silver (similar EV1) or white (RAL 9016).
- **Segment shaft** (Ø6.0 mm) is made of wear-resistant plastic (polyacetal) and highly flexible steel shaft. Stabilization by stationary shaft support.
- **Traveller** with arm/stabiliser.
Wear resistant plastic (polyacetal) roller bearing mounted integrated safety clutch, self-lubricating over the product life span.
Replaceable louvre hooks (polycarbonate) with cardan joint.
Stainless steel standoff brackets (material 1.4310).
- Visible **Plastic parts** are matching the colour of the track in white, grey and black.

V096 - Vertically curved unit without a vertex.**Operation**

- **Manual operation** optional left or right.

Operation length: freely selectable (In compliance with child safety according to EN 13120:2009+A1:2014).

Fixation: Operating chain/Operating cord via Cord/Chain safety device in transparent.

Control options are made of wear resistant plastic (POM - polyacetal) matching the colour of the track.

Chain/cord with cord brake

180° rotation of the louvres via plastic ball-chain. (Ø4.5 x 6.0 mm).

Plastic balls on a polyester cord (Ø1.4 mm) in white, grey and black.

Movement by pull cord (Ø2.1 mm) made of polyester in white, grey and black.

With planetary gear 4:1.

- **Motor operation**

Note: The IQ2 motor **always positioned on the elevated side** of the blind (above or to the side of the rail).

The IQ2-Motor serves to move the louvres sideways and to tilt them.

It is fitted with 4 functions (open the hanging, close the hanging, tilt the louvres left and tilt the louvres right) and additional functions (decor position and intermediate stop).

These functions are controlled by an operating button.

The IQ2-Motor is optionally available with an RTS module for controlling a drive using a Somfy RTS radio transmitter.

Colour: powder-coated in white structure (RAL 9016), grey structure (RAL 7040), black structure (RAL 9005) and anthracite structure (RAL 7016).

Further information can be obtained from **Electrical planning IQ2-Motor**.

Louvre

- **Louvre width:** 127 mm (standard), 89 mm, 63.5 mm (other louvre widths on request).

- **Louvre package** can be moved for window cleaning.

Louvre package position at the highest point of the track.

Welded louvre holder (PC - polycarbonate).

Fully plastic weight plates (barium sulphate) und spacing chains (plastic clips on a polyester cord Ø0.8 mm in white or black).

Optional: Fully plastic weight plates to be welded in (without spacing chains).

Mounting

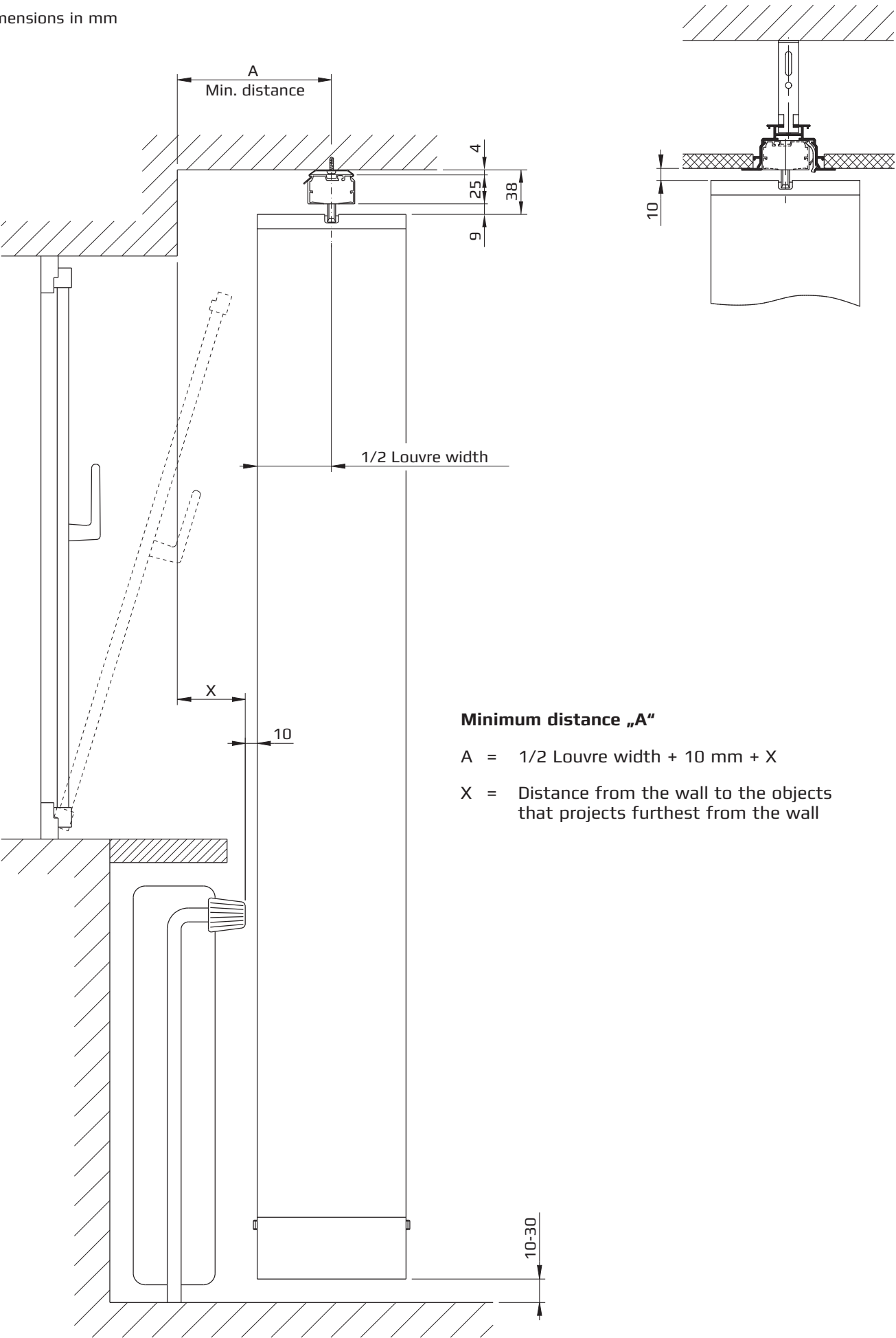
- **Top fix brackets** in white, grey and black.

- **Face fix brackets** (adjustable) white, grey and black.

Distances from the wall: 60-108 mm, 108-156 mm, 156-204 mm.

Mounting dimensions und minimum distances

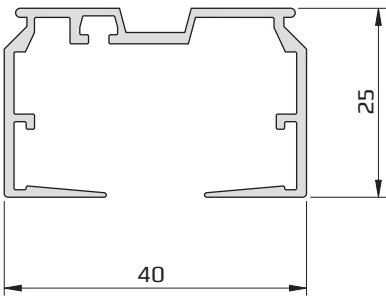
Dimensions in mm



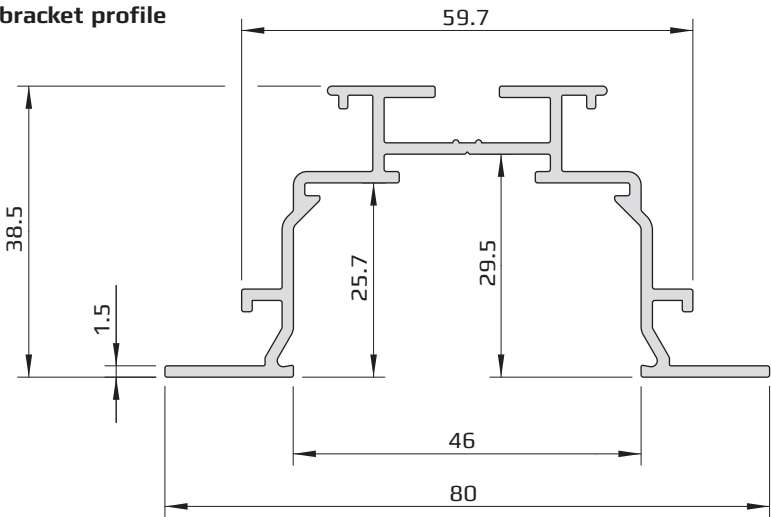
Profile cross-sections

Scale 1:1
Dimensions in mm

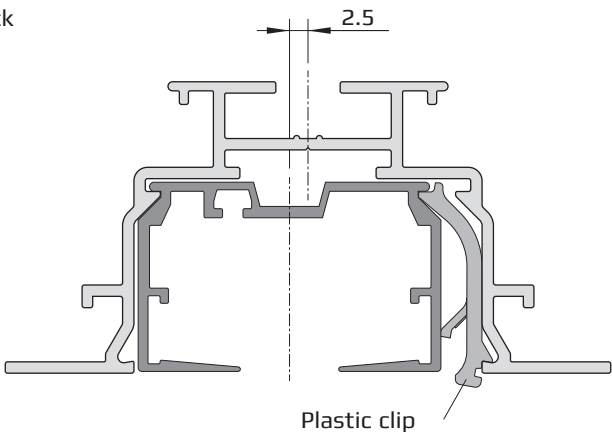
Vertical top track



Recess profile with bracket profile
(suspended ceiling)

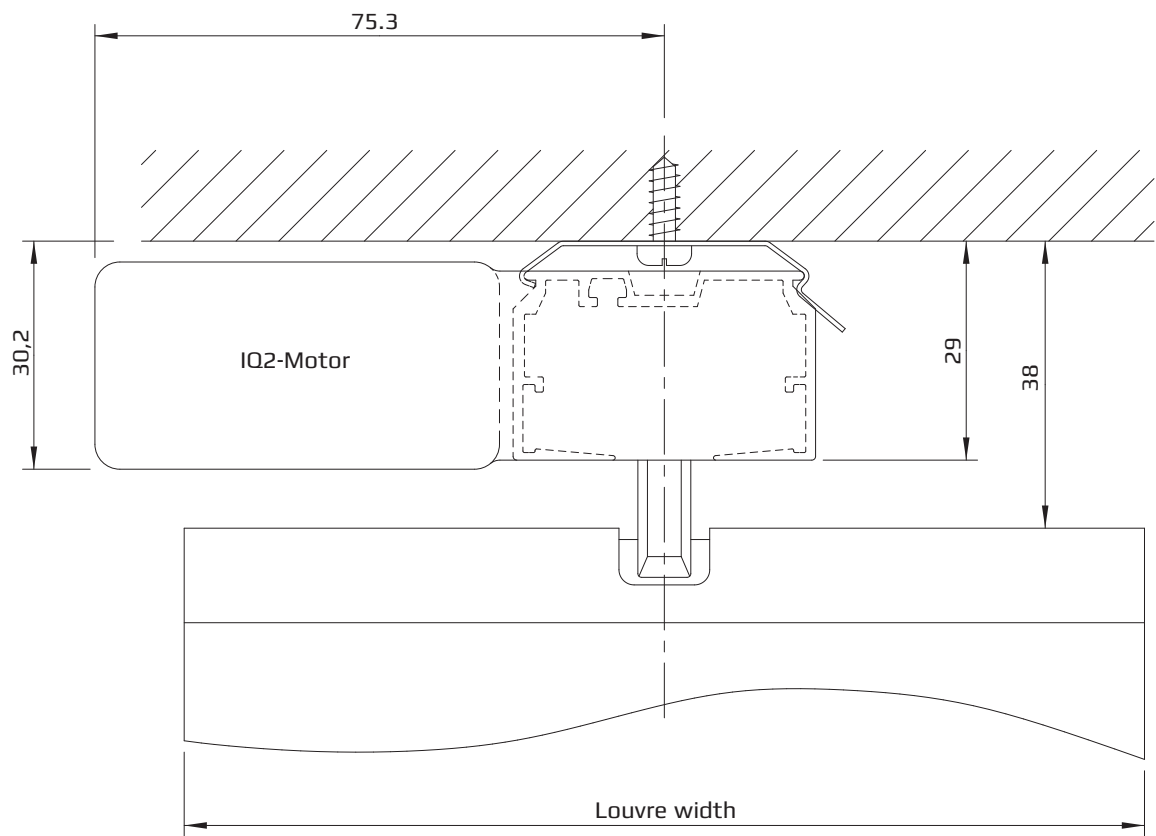


Recess profile with vertical top track
and plastic clip fastening



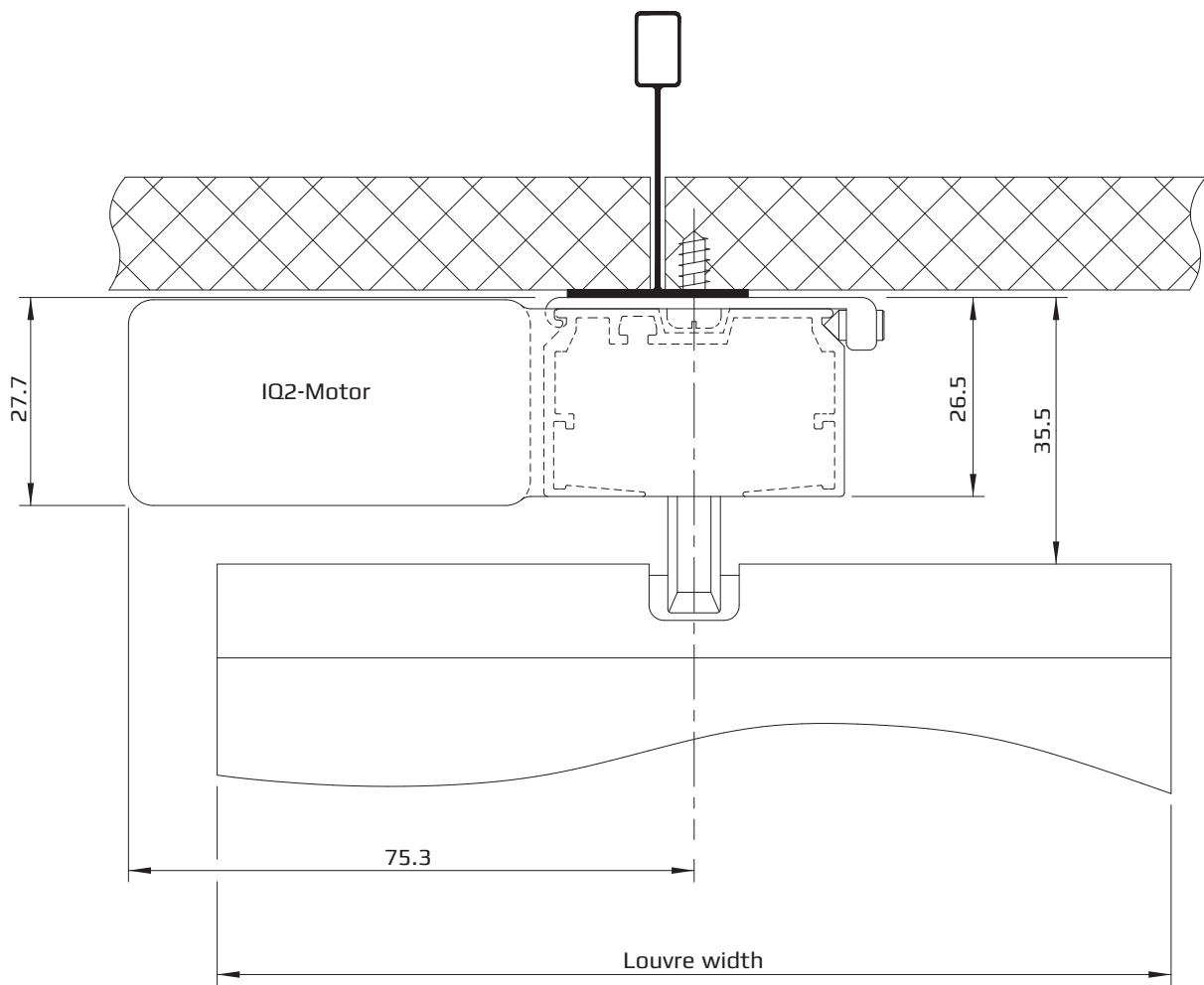
Ceiling mounting

Scale 1:1
Dimensions in mm



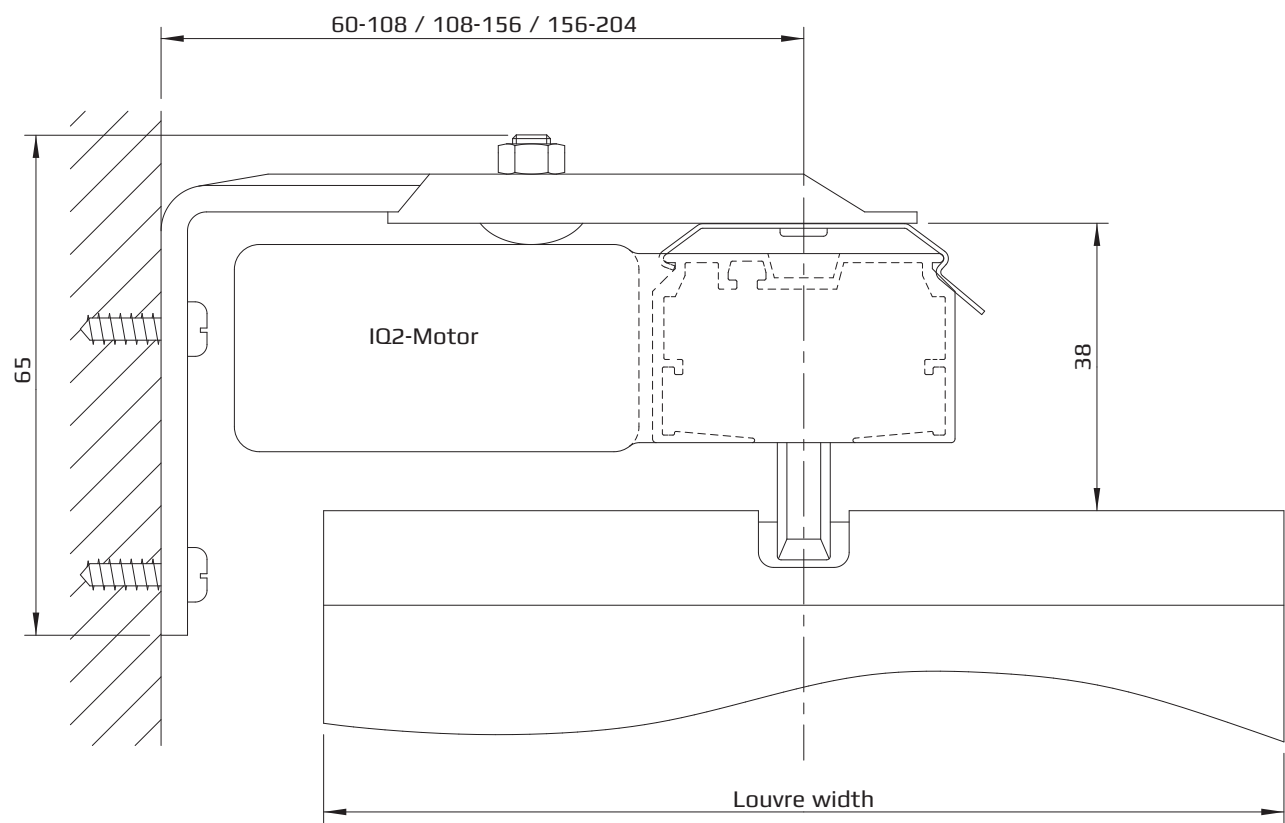
Ceiling mounting (suspended ceiling)

Scale 1:1
Dimensions in mm



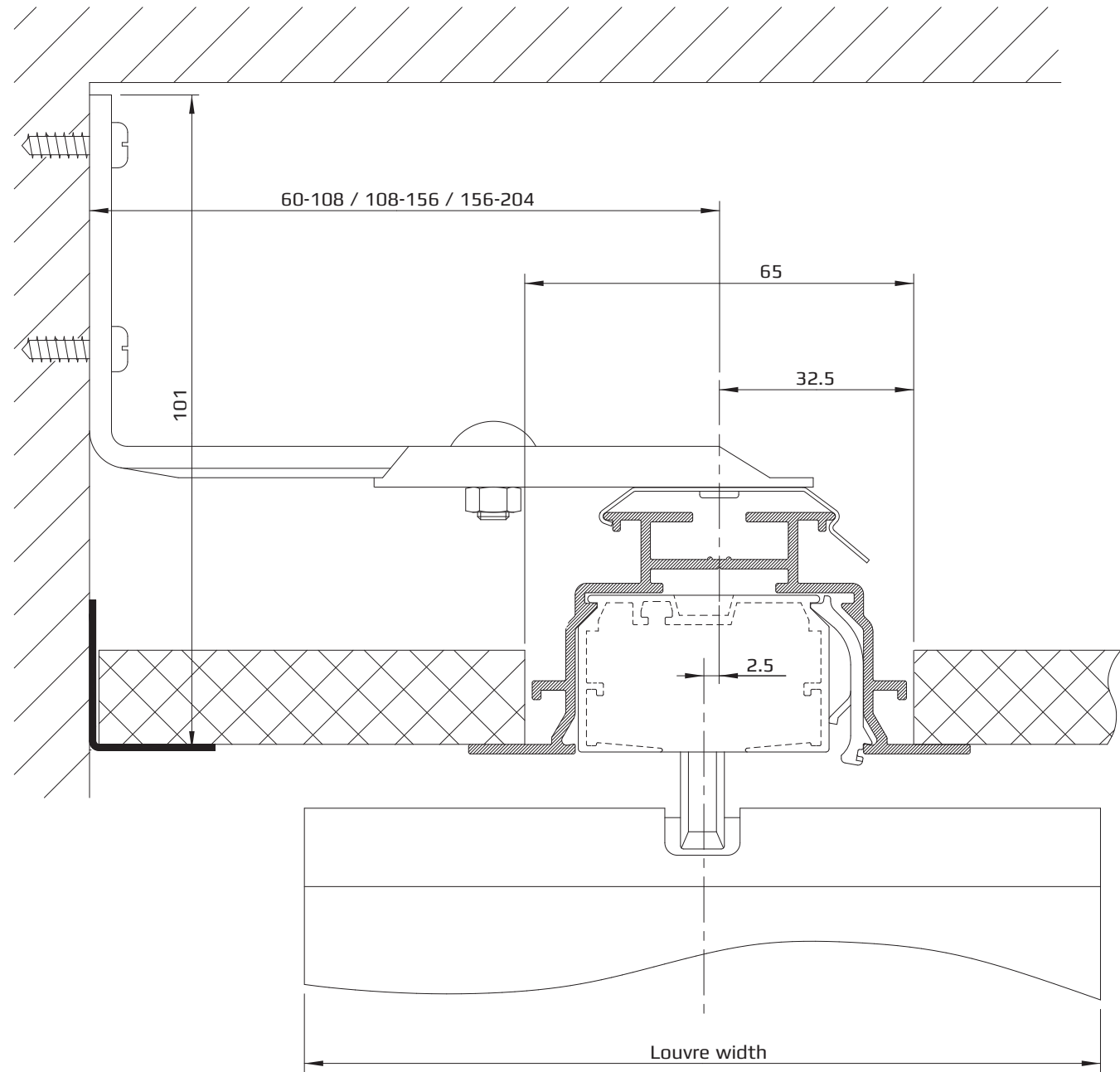
Wall mounting

Scale 1:1
Dimensions in mm



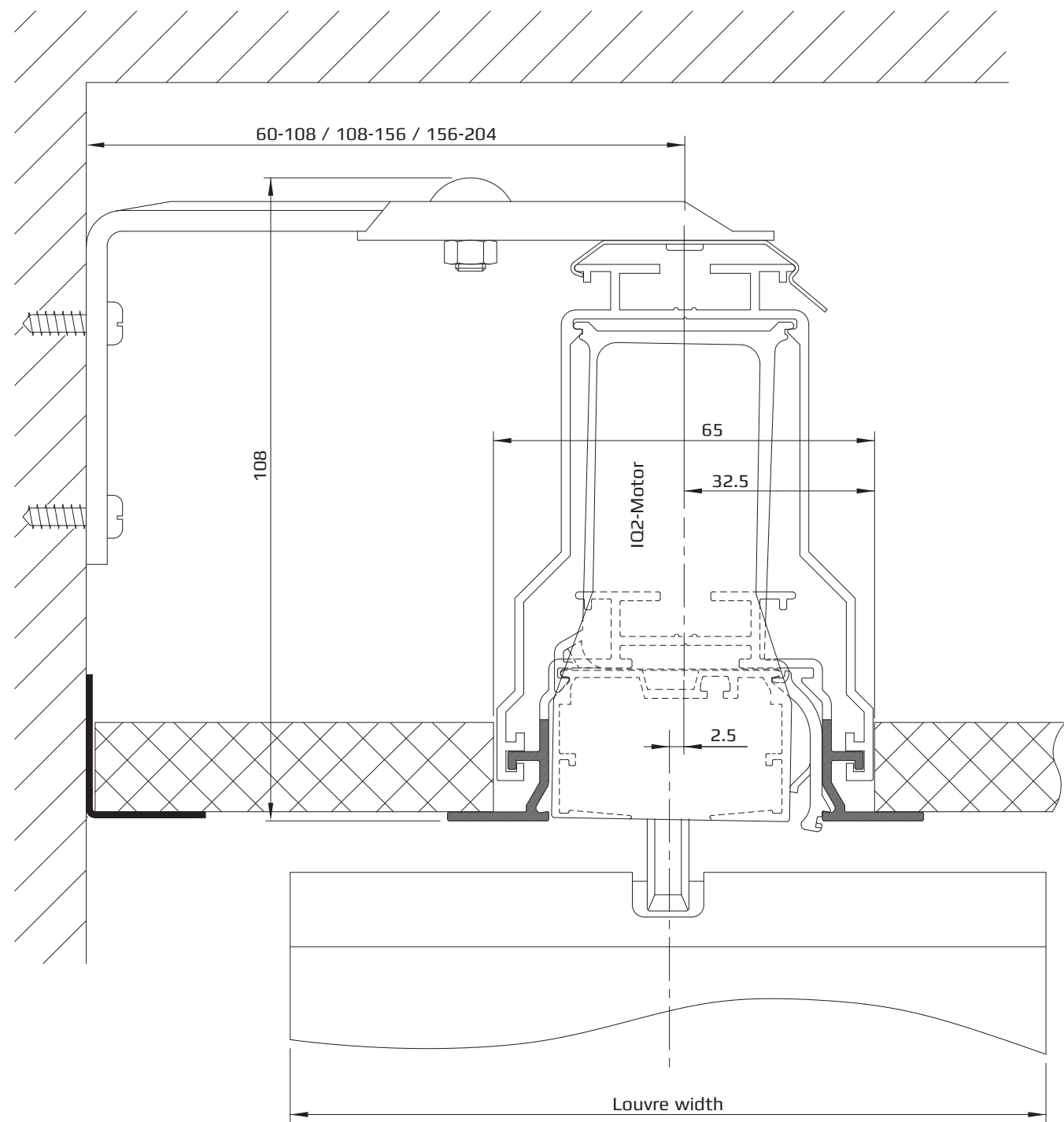
Recess profile with wall mounting

Scale 1:1
Dimensions in mm



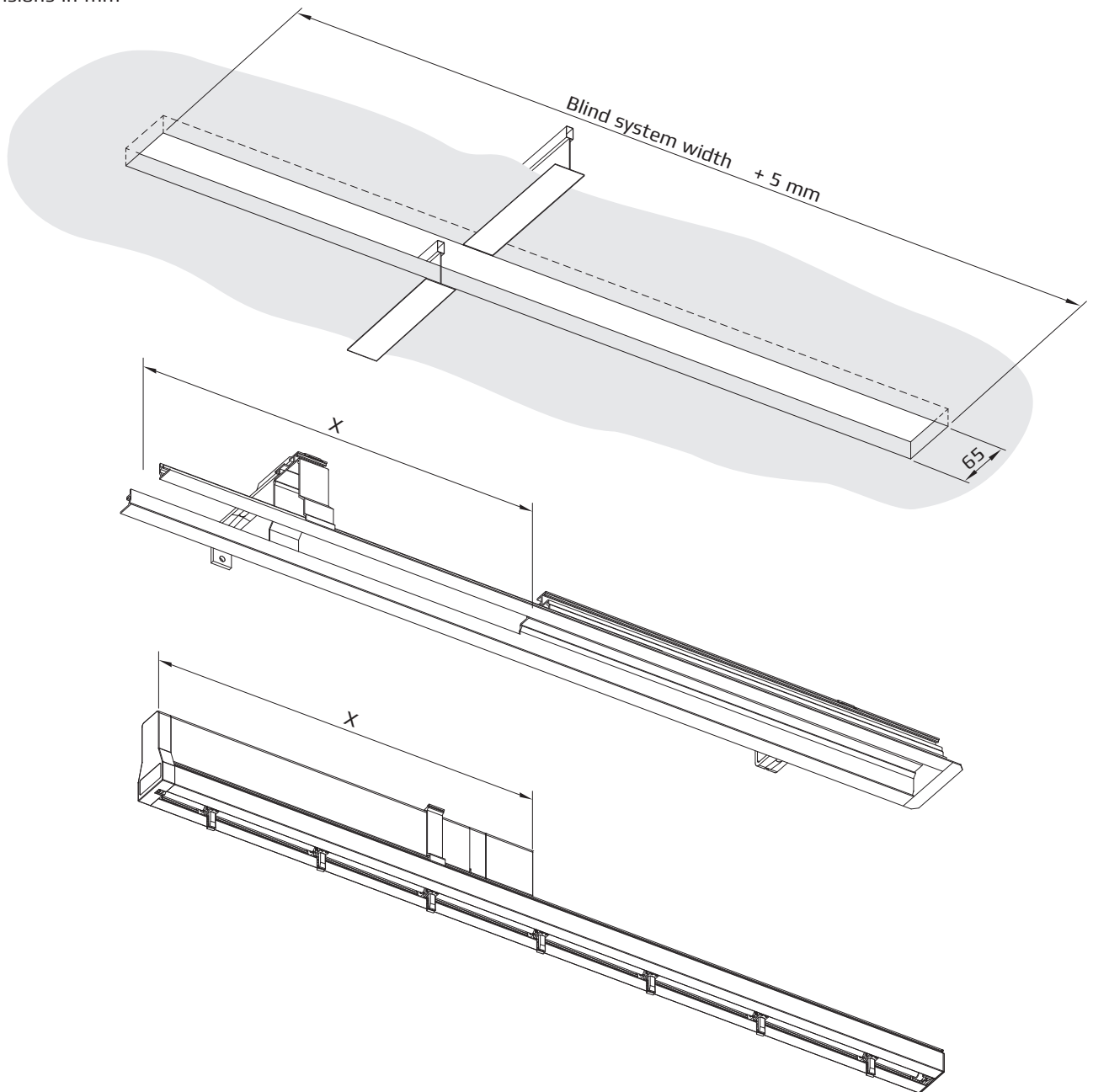
Recess profile with wall mounting and top-mounted motor

Scale 1:1
Dimensions in mm



Recess profile with wall mounting and top-mounted motor**Ceiling cut-out and track cut-out**

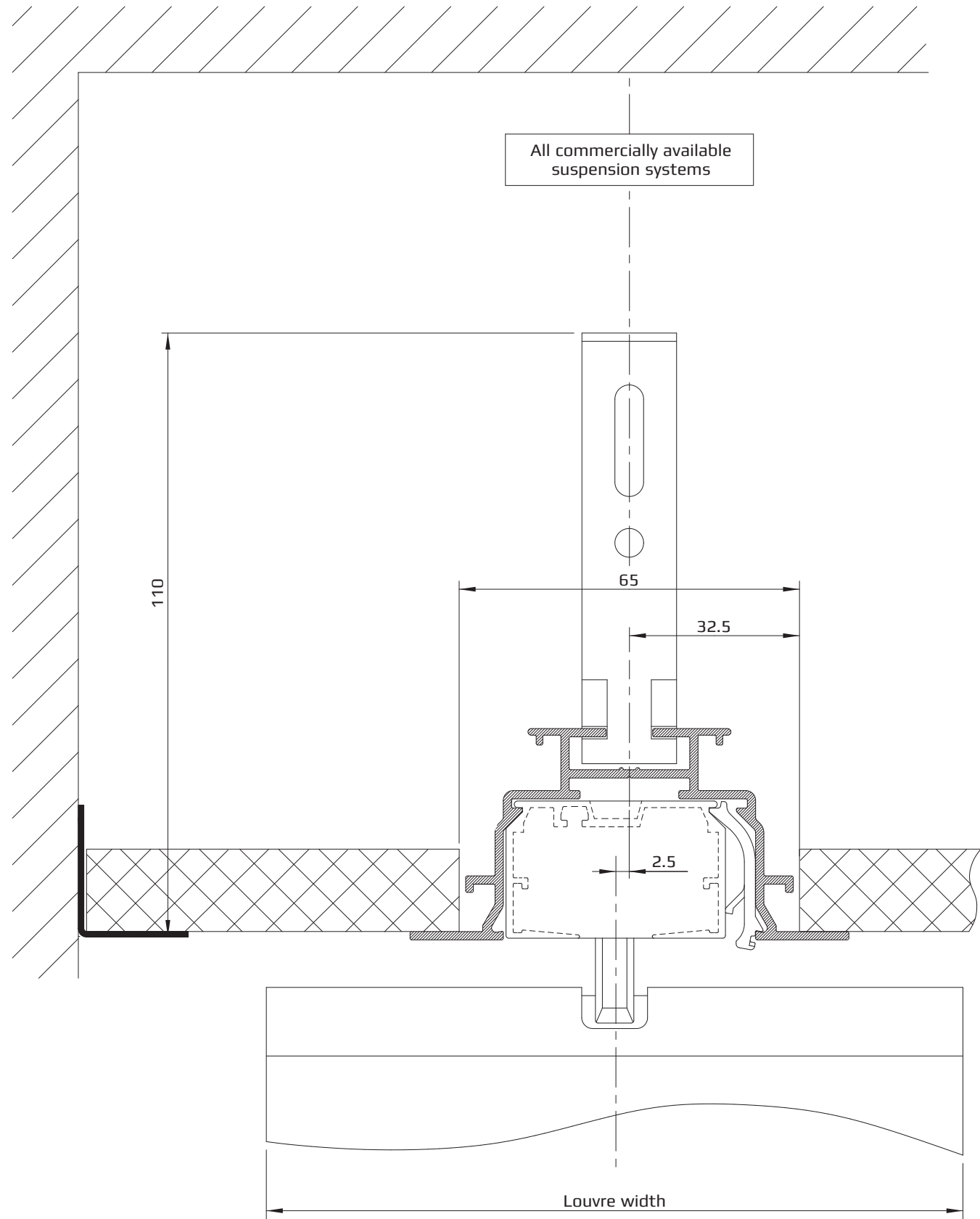
Dimensions in mm



X = 400 mm	Motor (350 mm) + Cover (50 mm)
X = 475 mm	Motor (350 mm) + Top and bottom track module (71.4 mm) + Cover (50 mm)
X = 495 mm	Motor (350 mm) + Switching module 230 V (93.4 mm) + Cover (50 mm)
X = 570 mm	Motor (350 mm) + Top and bottom track module (71.4 mm) + Switching module 230 V (93.4 mm) + Cover (50 mm)

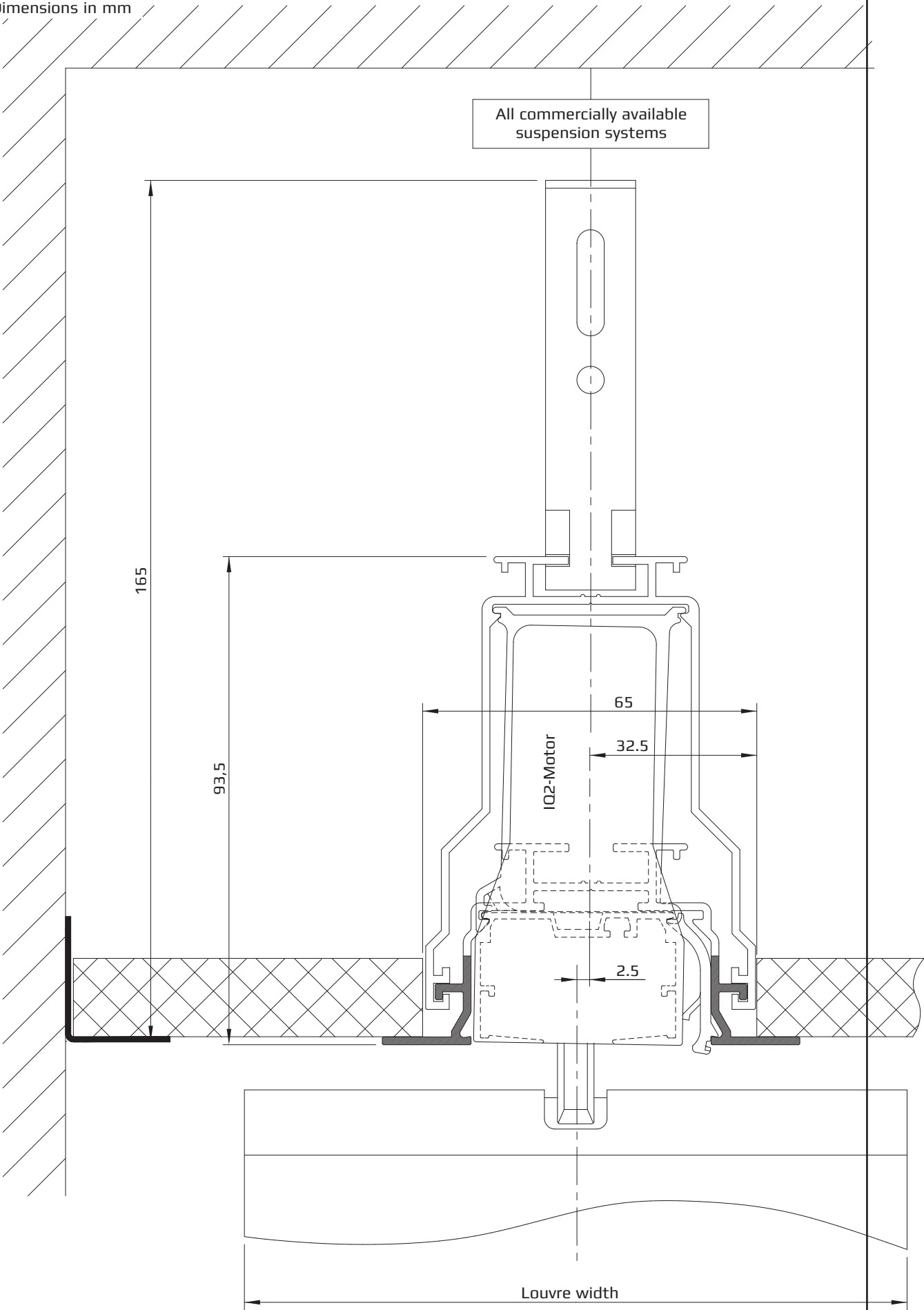
Recess profile suspended from the ceiling

Scale 1:1
Dimensions in mm



Recess profile suspended from the ceiling with top-mounted motor

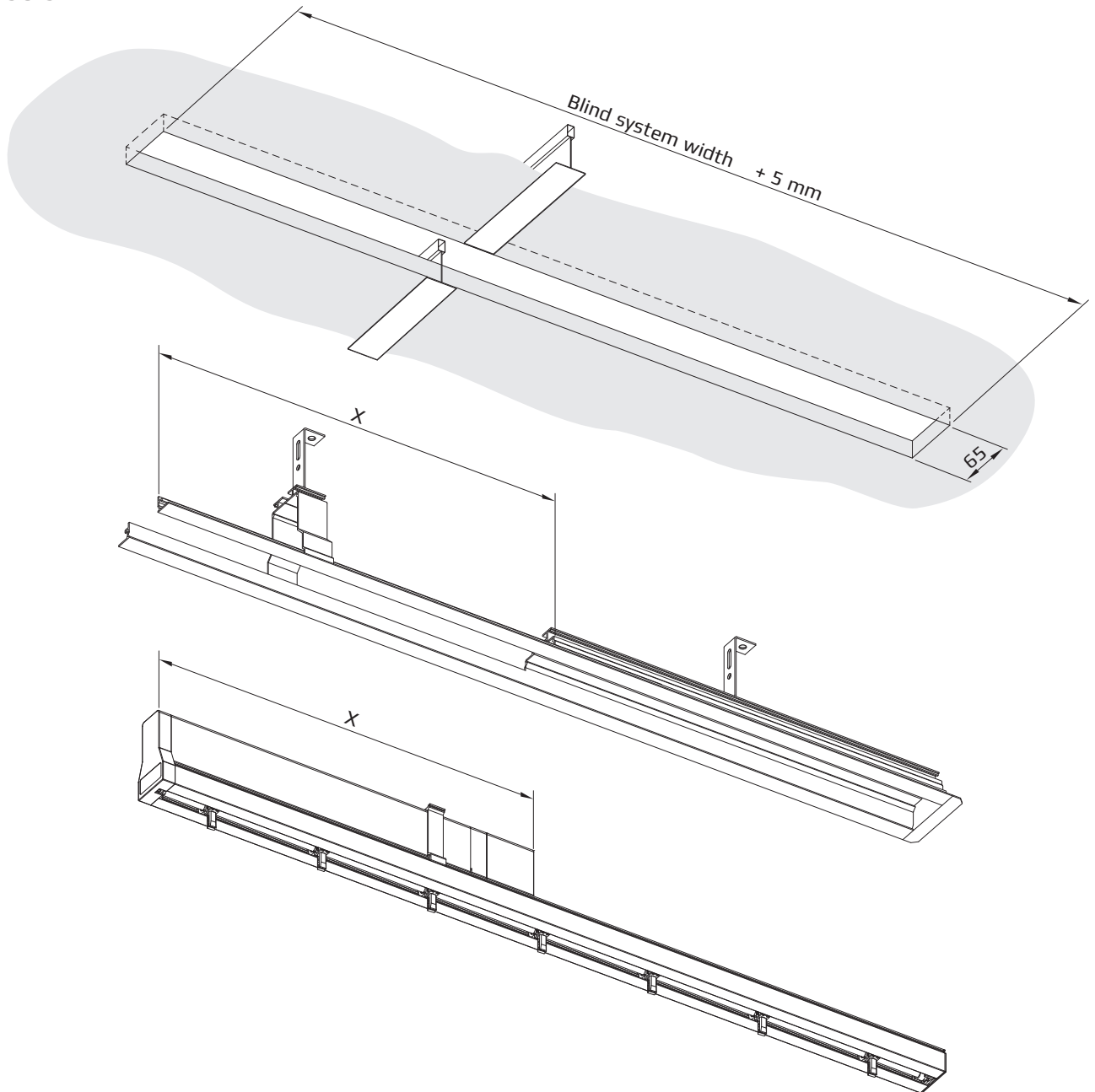
Scale 1:1
Dimensions in mm



Recess profile suspended from the ceiling with top-mounted motor

Ceiling cut-out and track cut-out

Dimensions in mm



X = 400 mm	Motor (350 mm) + Cover (50 mm)
X = 475 mm	Motor (350 mm) + Top and bottom track module (71.4 mm) + Cover (50 mm)
X = 495 mm	Motor (350 mm) + Switching module 230 V (93.4 mm) + Cover (50 mm)
X = 570 mm	Motor (350 mm) + Top and bottom track module (71.4 mm) + Switching module 230 V (93.4 mm) + Cover (50 mm)

Test certificate - Vertical Blinds*

1. Overall product test

1.1. Categorised by base type

Straight units
Slope units
Ceiling units
Curved units

1.2. Maximum/Minimum blind width (track length)

Straight units		
- Chain/cord	7.00 m	200 mm*
- Traversing rod	7.00 m	200 mm*
- Tilt wand	4.50 m	200 mm*
- Monogear 180°	6.00 m	200 mm*
- Monogear 160°	4.50 m	200 mm*
- IQ2 motor	7.00 m	500 mm*
Slope units	7.00 m	200 mm*
Ceiling units (horizontal only)	4.50 m	200 mm*
Ceiling units (vertical only)	4.00 m	200 mm*
Curved units	5.60 m	200 mm*

*at least 2 slats

1.3. Maximum blind height (louvre length - depending on material)

Straight units	
- Chain/cord	5.00 m
- Traversing rod	3.00 m
- Tilt wand	5.00 m
- Monogear (160°/180°)	5.00 m
- IQ2 motor	5.00 m
Sloped units	5.00 m
Ceiling units, upper and lower, guided	5.00 m
Ceiling unit, horizontal	2.00 m
Curved units	5.00 m

1.4. Maximum hanging weight for manual operation (at max. dimensions)

Straight units	
- Chain/cord	20.00 kg
- Traversing rod	6.00 kg
- Tilt wand	10.00 kg
- Monogear (160°/180°)	10.00 kg
Sloped unit, angle dependent (0-55°)	5.00 - 20.00 kg
Upper and lower guided units	10.00 kg
Ceiling unit	4.00 kg
Horizontally curved units	20.00 kg
Vertical curved unit, radius- and angle-dependent	5.00 - 20.00 kg

1.5. Maximum hanging weight for motor driven units (IQ2 motor)

Straight unit	22.00 kg
Sloped unit, angle-dependent	5.00 - 22.00 kg
Upper and lower guided units	10.00 kg
Ceiling unit	4.00 kg
Horizontally curved units	22.00 kg
Vertical curved unit, radius- and angle-dependent	5.00 - 22.00 kg

Test certificate - Vertical Blinds***1.6. Functional check: Mechanism durability at room temperature (EN 13120)**

Straight unit with chain and cord	10,000 operating cycles
Straight unit with tilt wand and cord	10,000 operating cycles
Straight unit with monogear	10,000 operating cycles
Straight unit with traversing rod drive	10,000 operating cycles
Slope units	10,000 operating cycles
Upper and lower guided units	10,000 operating cycles
Ceiling unit	10,000 operating cycles
Unit with electric drive	10,000 operating cycles
Horizontally curved units	10,000 operating cycles
Vertically curved units	10,000 operating cycles

5,000 operating cycles correspond to 13.5 years x 365 days x one operating cycle daily.

1.7. Functional check: Climatic test (interior application)

Manually driven units	-20 to +70°C
Motor driven units	0 to +70°C


1.8. Functional check: Salt chamber test (interior and outdoor application)

The test corresponds to an outdoor application of approx. 2 years in coastal climate	
Aluminium components, anodised surfaces	OK
Aluminium components, painted surfaces	OK
Aluminium components, cut edges	light white
Galvanised components (brackets)	light white, no rust
V2A components (clips)	OK
Plastic components, UV resistant	OK

1.9. Functional check: Incorrect operation/overloading

Monogear: overload safety device starts at 3 kg operating force.
 Motor: prompt automatic electrical overload protection.
 Twisted slats: alignment on tilt by overload safety device.

3. Unit verification electrical components

Supply voltage	180-264 V AC, 50/60 Hz
Power consumption	max 0.35 A at 180 V AC
Current type	Low voltage
Inrush current	<10 A
Protection class housing	IP 20
Protection class	II 
Control voltage	Low voltage
Control current	10 mA / control signal
Tension	80 Ncm at chainwheel
Max. hanging weight	22 kg
Travel speed	5 m/min
End position detection	electronically by programming
Operating temperature	0 to +70°C
Durability	Approx. 10% operating cycle
Weight	690 g
Dimensions	53.5 mm x 27.4 mm x 400 mm (incl. end caps and cover)

4. Hardware components (max. loading)

Wall bracket loading	max 16 kg
Clip loading	max 16 kg
Blind hook loading	max 0.7 kg
Slope cover loading	max 15 kg
Max. tension for individual track carriages	max 7.0 kg
Max. tension for carriage package	max 9 kg
Ball chain loading Ø4,5 x 6 mm (cord)	max 8.0 kg
Ball chain loading Ø4,5 x 6 mm (single ball)	max 10 kg
Cord loading	max 20 kg

Test certificate

The products of the Benthin® Group are produced in highly developed manufacturing processes and are subject to constant quality controls as per DIN EN 9001:2000 at each step. Thus we ensure and guarantee that Benthin® Sunshade units only use components of the highest quality. Also the completed units that are made of Benthin® components are subject to constant quality controls and are tested by us to according to the extensive list of maximum conditions shown.
The standard conditions and test results required for the functionality and reliability of Benthin® Sunshade units, for which this

TEST CERTIFICATE

was issued, are attached. The test results are categorised by:

- Total product (Benthin® Vertical Blind* System)
- Drapery (textiles, etc.)
- Electrical/Electronic controls
- Hardware Component (unit testing)


Further details may be requested from us

We reserve the right to perform technical updates resulting from ongoing quality checks, material development and product improvements.

Upon issue of this test certificate all previous certificates are no longer valid.

BENTHIN®

Benthin GmbH
Osterstaderstr.16
D-27572 Bremerhaven
Tel (0471) 79 84 0
info@benthin.de


.....
Michael Wetzel
(Examiner)


.....
Volker Zelt
(Managing Director)

Summary of the standards used

You can rely on Benthin® products and their manufacturer. This, in addition to the constant efforts to improve quality and performance, is supported by the strict observance of internationally recognised norms and quality standards as well as the regular renewal of certification by independent institutions.

The following is an outline of the most important norms and testing methods, referred to in the respective areas.

EN 9001:2000

The manufacturer has established a quality management system subject to an internationally recognised quality standard. The quality management handbook can be requested from the manufacturer.

CE standard

The manufacturer's quality certification according to the European CE standard is available for the product offered. The document can be requested from the manufacturer.

EMC

The manufacturer's quality certification is available for the product offered, according to which the product does not emit any electromagnetic radiations and is not affected by the same (electromagnetic compatibility test). The document can be requested from the manufacturer.

DIN 4102 A2

The materials used are „not flammable“ in accordance with the regulations of the DIN standard.

DIN 4102 B1

The materials used are „flame resistant“ in accordance with the regulations of the DIN standard.

M1 CSTB 88.27684

The materials used are „flame resistant“ in accordance with the regulations of the French M1 standard.

DIN 54003/4

The curtains used have been checked for „UV resistance“ in accordance with the regulations of the DIN standard and correspond to the indicated UV resistance level (from 1 to 8).

DIN 54021

The curtains used have been checked for „UV resistance“ in accordance with the regulations of the DIN standard and correspond to the indicated UV resistance level (from 1 to 5).

ÖKO-TEX

The textiles used have been tested for harmful substances and are „pollutant free“ in accordance with the test requirements of the International Association for Research and Testing in the Field of Textile Ecology.

DIN 5035-7

The product offered is recommended for „limitation of generation of reflections at computer workstations“ in accordance with the guidelines of the DIN standard.

EN 13120:2009+A1:2014

The product offered corresponds to the regulations and classifications of the EN standard for performance and safety requirements.

Appendant Test standards:

EN 16433:2014 – Internal blinds - Protection from strangulation hazards - Test methods

EN 16434:2014 – Internal blinds - Protection from strangulation hazards - Requirements and Test methods for safety devices.

Name and Address:

Benthin GmbH
Osterstaderstr. 16
D-27572 Bremerhaven

Product:

We hereby confirm that the **Benthin® Vertical Blinds+** are made according to the Assembly Instructions of **Benthin®** which are conform to the stipulations of the European Standard **EN 13120:2009+A1:2014** „Internal Blinds – Performance Requirements including Safety“.
The detailed classifications of the current types are listed on the following page.

Note:

Appendant Test standards:
EN 16433:2014 – Internal blinds - Protection from strangulation hazards - Test methods
EN 16434:2014 – Internal blinds - Protection from strangulation hazards - Requirements and Test methods for safety devices

Other than the given Standard EN 13120:2009+A1:2014,
we refer for point 12.3 “Permissible Shape Variations ” to our internal field-tested specification TS 001 (Survey of Fabric Tolerances). This applies, in particular, to the paragraphs 12.3.1 “Twisting”, 12.3.2 “Longitudinal Deviation” and 12.3.4 “Cupping”.

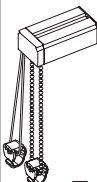
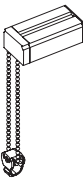
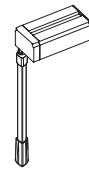
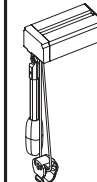
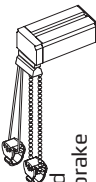
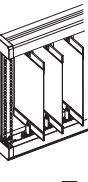
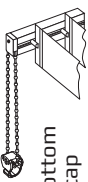

Benthin GmbH
Osterstader Str. 16
D-27572 Bremerhaven
T +49 (0)471 7984 0
info@benthin.com
www.benthin.com

Bremerhaven, Oktober 2023



Volker Zelt
(Managing Director)

Classification:

VERTICAL BLINDS +		 Chain/Cord	 Monogear	 Traversing wand	 Tilt wand/Cord	 Chain/Cord with cord brake	 Chain/Cord	 Top and bottom track end cap	 IQ2-motor system ○ on enquiry
Standard units	V 010	●	●	●	●				●
	V 011	●	●	●	●				●
	V 012	●	●	●	●				●
	V 013	●			●				
Top and bottom track units	V 020						●		●
	V 025						●	● 4:1	●
Bay windows units	V 030/031	●	●	●	●				●
	V 032	●	●	●	●				●
Slope units	V 040/041					●			●
	V 050					●			●
	V 060/061					●			●
	V 070					●			●
Horizontally curved units	V 080	● 4:1							○
	V 081	● 4:1							●
	V 082	● 4:1							●
Vertically curved units	V 090					● 4:1			○
	V 091					● 4:1			●
	V 092/094					● 4:1			●
	V 093					● 4:1			●
	V 095					● 4:1			●
	V 096					● 4:1			●
Classification	Operation force	1-2*	2*	2	2	1-2	1-2*	1-2*	-
	Grading HPV	1**	1**	1**	1**	1**	1**	1**	-
	Life-time class	3	3	3	3	3	3	3	3
	Limit switch accurateness	-	-	-	-	-	-	-	2
	Corrosion resistance	2	2	2	2	2	2	2	2

* the operation force of greater units could be higher as requested in the norm.

** depending on size or depending on dimensions.

Name and address:

Benthin GmbH
Osterstaderstr. 16
D-27572 Bremerhaven

Product:

We hereby declare by our own authority that the **Benthin® IQ2 Motor** complies with the basic requirements of the following standards and directives, in the case that it is installed in accordance with the manufacturer’s guidelines.

Directives / Standards:

- Machinery directive..... 2006/42/EC
- Low voltage directive 2006/95/EC
- Electromagnetic compatibility directive..... 2004/108/EC
- Restriction of the use of certain Hazardous Substances directive (RoHS) 2011/65/EC

In particular the following standards were applied:

Emissions (Interference)

Conducted emissions.....	EN 55011	04.2011
Magnetic field emissions	EN 55011	04.2011

Housing requirements: emissions immunity

Electrostatic discharge immunity	EN 61000-4-2	12.2009
Electromagnetic field immunity.....	EN 61000-4-3	04.2011

AC power supply cable requirements: emissions immunity

Electrical fast transient/burst immunity	EN 61000-4-4	11.2010
Surge immunity.....	EN 61000-4-5	06.2007
Immunity to conducted disturbances, induced by RF fields.....	EN 61000-4-6	12.2009
Voltage dips, short interruptions and voltage variations immunity.....	EN 61000-4-11	02.2005
Immunity to high frequencies	EN 61000-4-13	04.2010

Housing requirements: emissions immunity

Electrical fast transient/burst immunity	EN 61000-4-4	11.2010
Surge immunity.....	EN 61000-4-5	06.2007
Immunity to conducted disturbances, induced by RF fields.....	EN 61000-4-6	12.2009

Benthin GmbH
Osterstader Str. 16
D-27572 Bremerhaven
T +49 (0)471 7984 0
info@benthin.com
www.benthin.com

Bremerhaven, Oktober 2023


Volker Zelt
(Managing Director)

Stipulations of the European Standard **EN 13120:2009+A1:2014**
„Internal Blinds – Performance Requirements including Safety“



WARNING



- Young children can strangle in the loop of pull cords, tapes and cords that operate window coverings.
They can also wrap cords around their necks.
- To avoid strangulation and entanglement, keep cords out of reach of young children.
- Move beds, cots and furniture away from window covering cords.
- Do not tie cords together.
Make sure cords do not twist and create a loop.
- Install and use the included safety devices according to the installation instructions on these device to reduce possibility of such an accident.



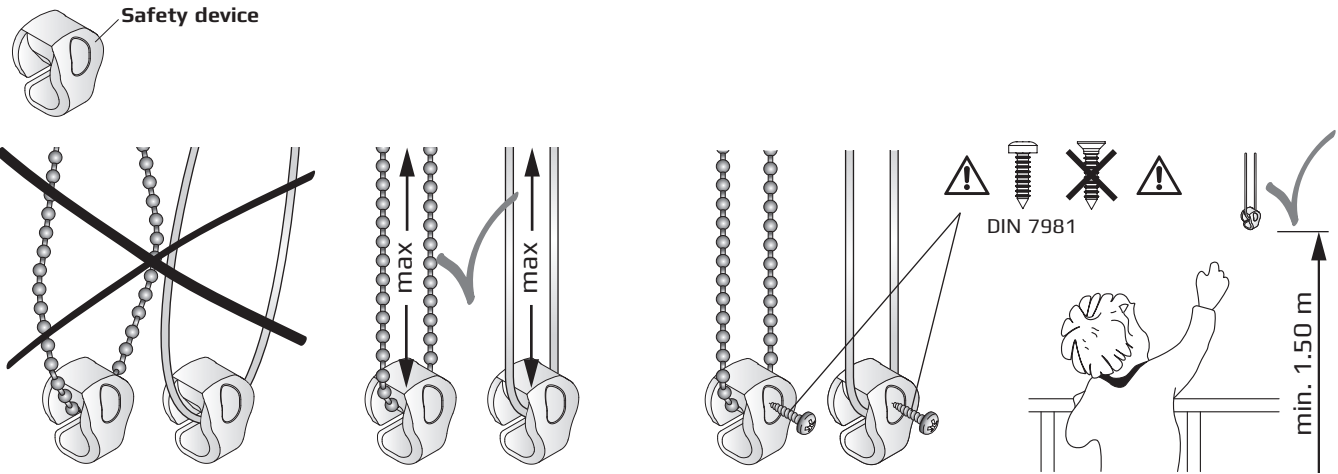
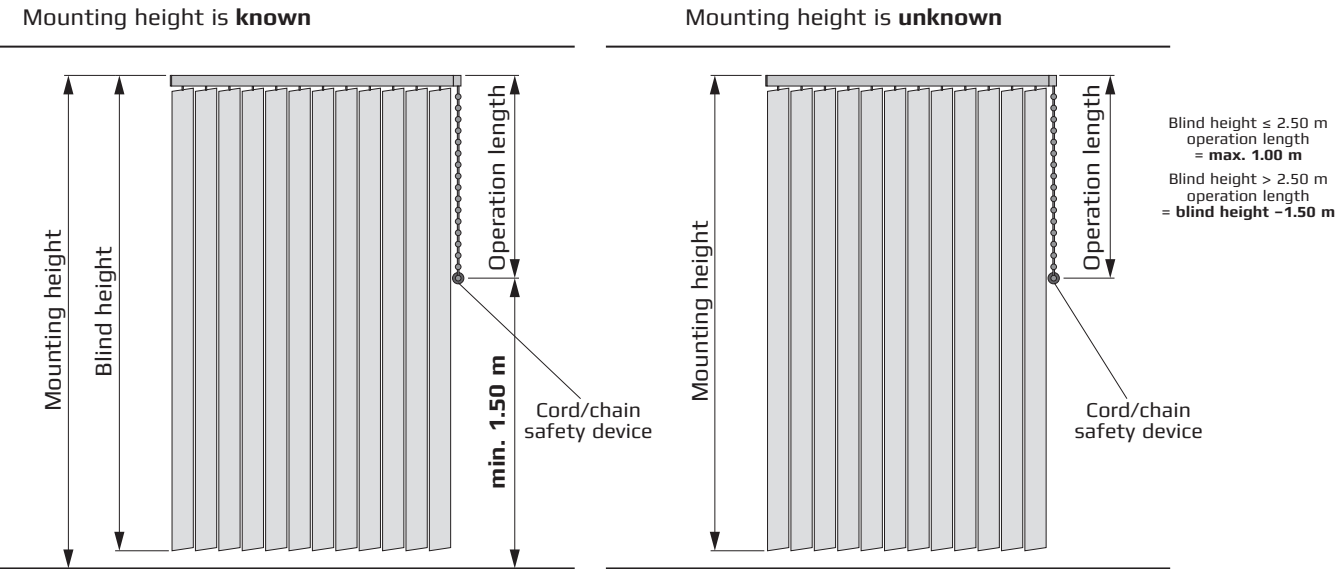
All types operated with: Chain/Cord, Chain, Tilt wand/Cord

The operation chain/operation cord must be **fixed with the included safety device!**

The operation length is in compliance with the Child Safety freely selectable

Mounting height is **known**:
-> max. operation length = mounting height -1.50 m

Mounting height is **unknown**:
Blind height ≤ 2.50 m -> max. operation length = 1.00 m
Blind height > 2.50 m -> max. operation length = blind height -1.50 m



All types operated with: Mono gear (Chain)

The operation chain is **equipped with the Chain safety device!**

The operation length is in compliance with the Child Safety freely selectable

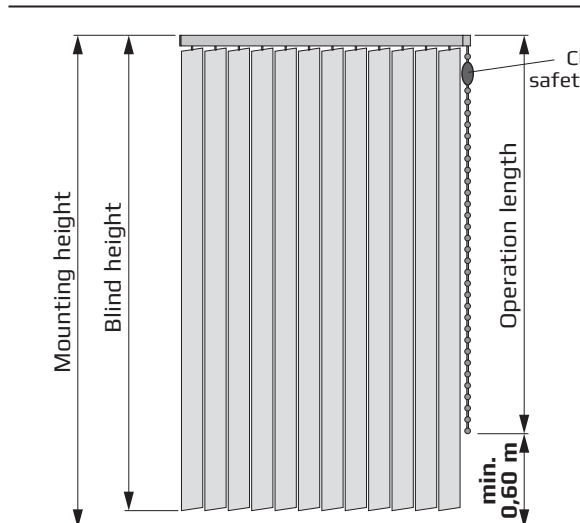
Mounting height is **known**:

-> max. operation length = mounting height - 0.60 m

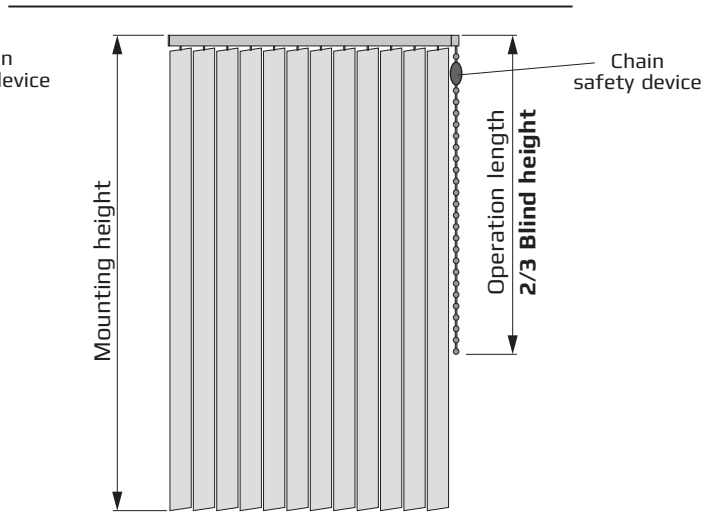
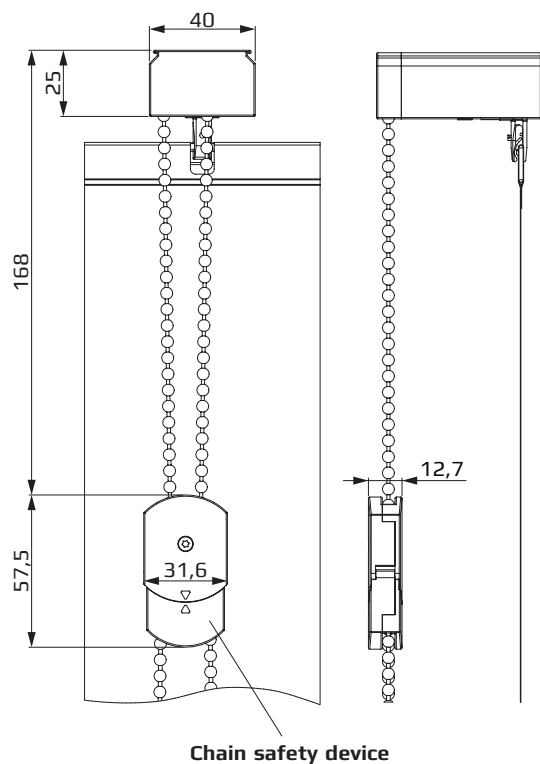
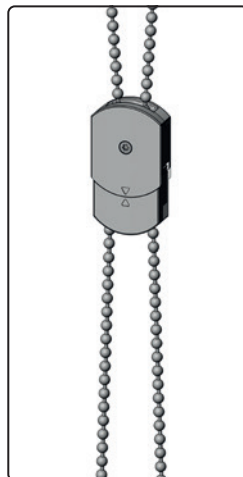
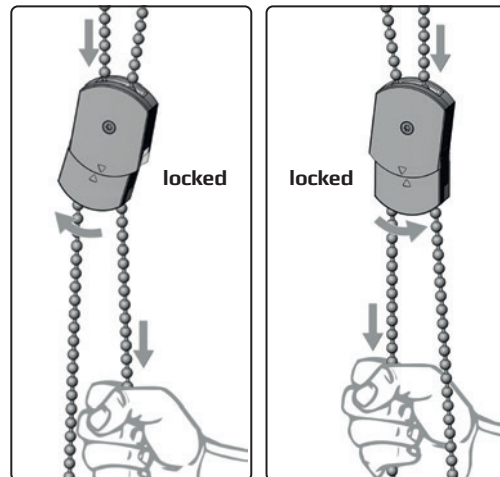
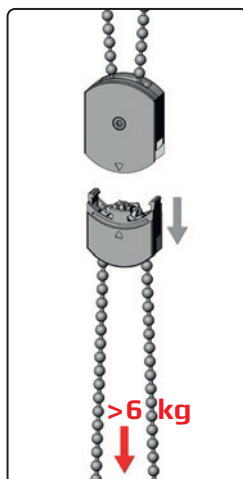
Mounting height is **unknown**:

-> max. operation length = 2/3 of the blind height

Mounting height is **known**



Mounting height is **unknown**

**Dimensions: Chain safety device****Basic position****Operation****Child safety**

A release mechanism triggers the opening of the safety elements when a load (6 kg or more) is applied to the chain loop

BENTHIN®

Benthin GmbH

Osterstader Str. 16
D-27572 Bremerhaven

T +49 471 79 84 0
E info@benthin.com

www.benthin.com