BENTHIN®

Panel Blinds

Panel blinds are the perfect solution for large glass façades and banks of windows.

As a decorative privacy and sun screen or room divider with a discreet, clean appearance, panel blinds offer great flexibility for contemporary living areas and workspaces.

Benthin's panel blinds system provides modularity in outstanding quality.

Benthin's panel blinds system provides modularity in outstanding quality.
Elegant profiles in a timeless design, reliable technology and perfect functionality combine to produce the ultimate in smooth-running systems in a discreet, harmonious look.

It is possible to create 2-, 3-, 4-, 5- and 6-track top rails with just two rail profiles.

Each of the traveller guide channels in the convenient top rails has an extra channel for the cord, ensuring maximum panel mobility.
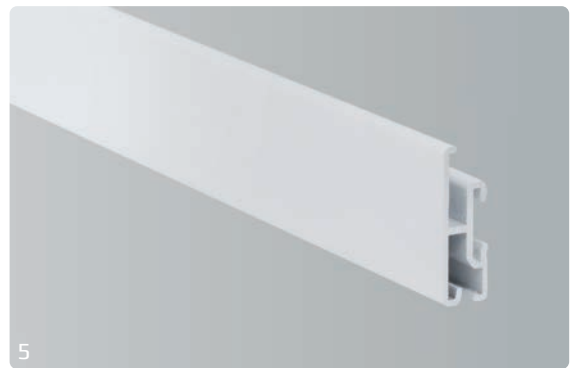
1

3

4

5

2

6

Combinable top rails [1]

A **2-track** and a **3-track profile** are easy to join in parallel using sturdy connectors.

Combining top rails also means that **both sides** are **decorative**.

Sturdy **connecting adapters** mean that there is practically no limit on the extendability of the top rails, and a **90° corner connector** is also available.

The traveller [2], which runs smoothly thanks to its large rollers, also comes in a swivel version for special variants.

A **traveller brake** that hooks onto the travellers can be used to fix individual panels quickly and adjustably, and to release them again with ease as required.

The top rails can be joined with **round connectors** so that the panels can be parked at the side.

The **panel suspension rail** [3] clicks into the traveller without the need for screws and extends into the top rail slightly to prevent chinks of light.

The panel is attached either by an **integrated velcro tape profile** [4] in the panel suspension rail or by an elegant **panel top rail** [5].
This enables fast and safe attachment of the material to an self adhesive spline or a plastic tube.

There is an elegant **closing profile** [6] to match that can be used with its flat or rounded side as a visible edging strip.

1

2

3

4
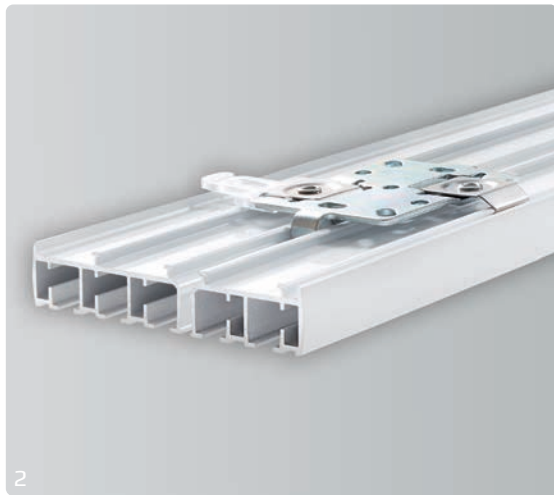
Simple, secure installation

Tried-and-tested clip technology makes fitting simple and secure.

Single top rails can be secured with the **standard clip** [1], while a **clip plate (double bracket)** [2] is used for combined profiles.

Alternatively the top rails can be screwed directly into place.

Two convenient **recess profiles** [3] allow concealed installation for all top rail variants.

A plastic clip fixing enables the 2- and 3-track rails to be installed effortlessly.
A combinable profile makes top rails with 4-6 tracks possible. The sturdy connectors are to all intents and purposes the top rail holders.

Aluminium end caps are available for the perfect finishing touch.

Control options

There is a variety of convenient ways to operate the panel blind system.

Maximum flexibility is offered by the **freely moveable** panels.

The design-oriented aluminium **wand** [4] and **cord operation** are the convenient control options.

The side and position of the cord operation can easily be changed even after installation.

Various carriers simply clip onto the panel top rail's end caps.
This brings a great deal of flexibility to the carrier function and stack formation, ensuring a bespoke solution.

A transport lock provides reliable protection for the pre-assembled installation while in transit.

FV10/FV20 - Freely slidable
Panels can be moved individually by hand.

FV11/FV21 - Operating rod
Moving the drop with an elegant operating rod.

FV12/FV22 - Cord operation
Moving the drop with a pull-cord.
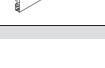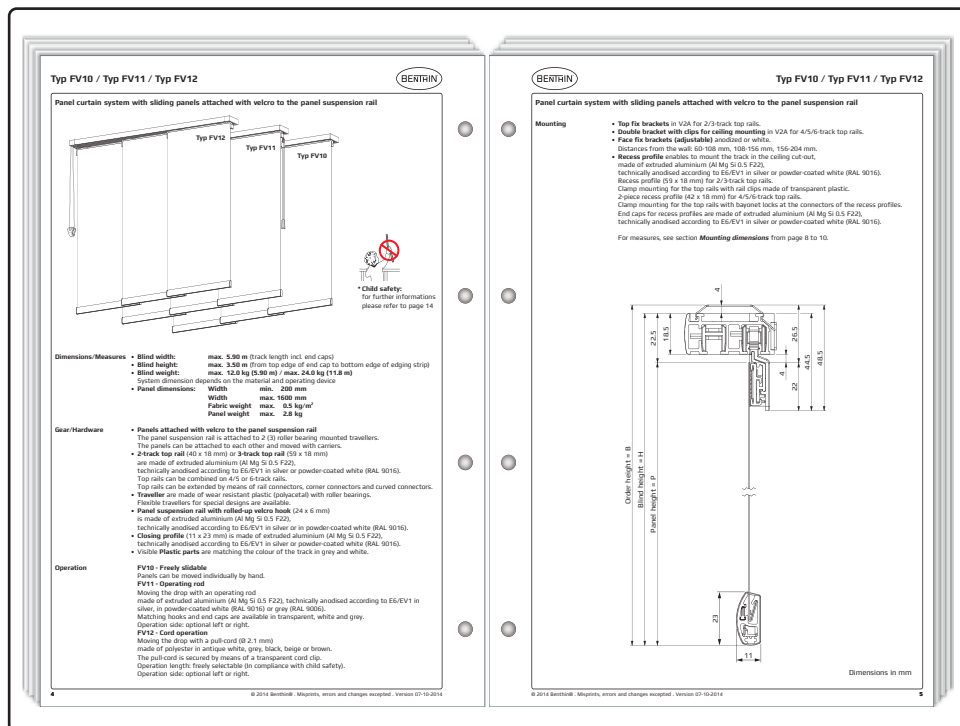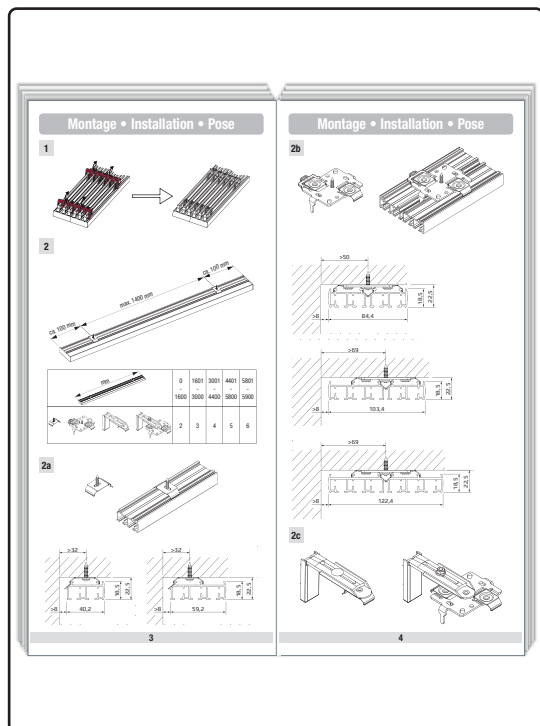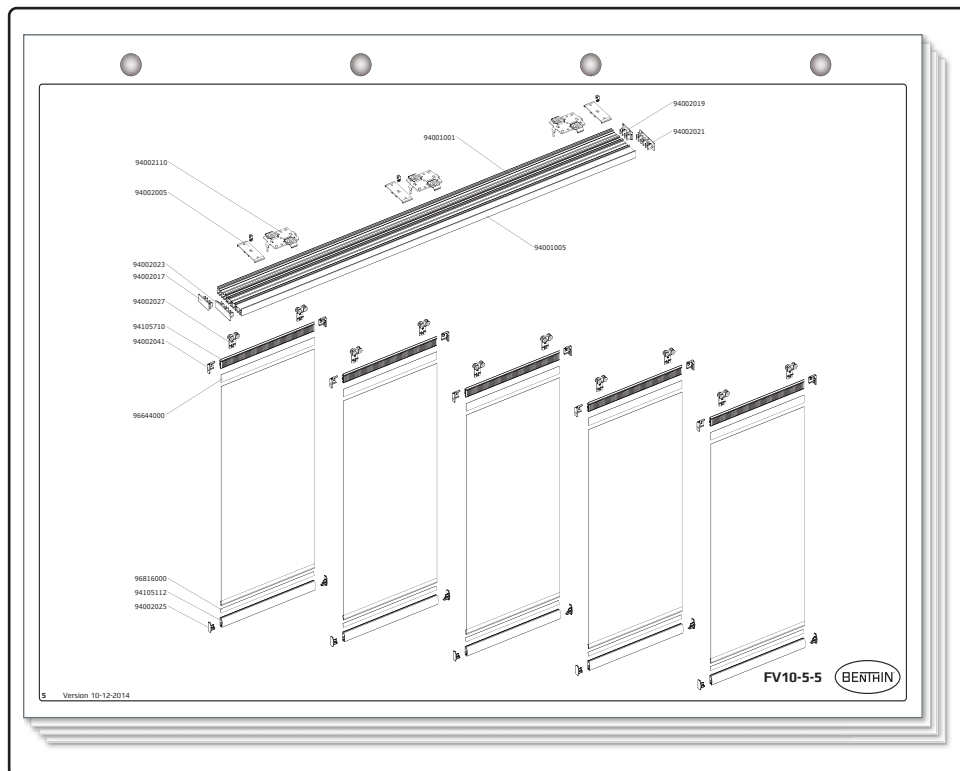
Dimensions/Measures

Blind width: max. 5.90 m
Blind height: max. 3.50 m
Blind weight: max. 12.0 kg

Panel dimensions: 200 - 1600 mm
Panel weight: max. 2.8 kg
Fabric weight: up to 0.5 kg/m²

* prolongable in depending of the
  control option.

Panel Blinds • Flächenvorhang • Panneaux japonais — BENTHIN

Tracks • Schienen • Rails

Description / Beschreibung / Description	Part No. / Art.-Nr. / Réf-N°	Pieces – Metre / Stück – Meter / Pièces – Mètre	Delivery Time / Lieferzeit / Délai de livraison
Top rail 2 • Oberschiene 2 • Rail supérieur 2 / 40 x 18 mm			
white • weiß • blanc — 4 m	94001001	48 m	A
anodised • eloxiert • anodisée — 4 m	94001000	48 m	A
uncoated • unbeschichtet • non enduit — 4 m	94001022	48 m	C
white • weiß • blanc — 6 m	94001003	48 m	A
anodised • eloxiert • anodisée — 6 m	94001002	48 m	A
uncoated • unbeschichtet • non enduit — 6 m	94001023	48 m	C
2-track • 2-läufig • 2 voies — aluminium • Aluminium • aluminium			
Top rail 3 • Oberschiene 3 • Rail supérieur 3 / 59 x 18 mm			
white • weiß • blanc — 4 m	94001005	24 m	A
anodised • eloxiert • anodisée — 4 m	94001004	24 m	A
uncoated • unbeschichtet • non enduit — 4 m	94001024	24 m	C
white • weiß • blanc — 6 m	94001007	24 m	A
anodised • eloxiert • anodisée — 6 m	94001006	24 m	A
uncoated • unbeschichtet • non enduit — 6 m	94001025	24 m	C
3-track • 3-läufig • 3 voies — aluminium • Aluminium • aluminium			
Panel track with velcro tape (hook) • Paneelaufnahmeschiene mit Klettband (Haken) • Rail de fixation de panneau avec velcro (crochets) / 24 x 6 mm			
white • weiß • blanc — 4 m	94105711	64 m	A
anodised • eloxiert • anodisé — 4 m	94105721	64 m	A
aluminium • Aluminium • aluminium			
Panel track • Paneelaufnahmeschiene • Rail de fixation de panneau / 22 x 6 mm			
white • weiß • blanc — 6 m	94001008	96 m	A
anodised • eloxiert • anodisée — 6 m	94001009	96 m	A
uncoated • unbeschichtet • non enduit — 6 m	94001026	96 m	C
aluminium • Aluminium • aluminium			
Panel top rail • Paneeloberschiene • Rail supérieur de panneau / 28 x 9 mm			
white • weiß • blanc — 6 m	94001010	96 m	A
anodised • eloxiert • anodisée — 6 m	94001011	96 m	A
uncoated • unbeschichtet • non enduit — 6 m	94001027	96 m	C
aluminium • Aluminium • aluminium			

Version 27-11-2014

FV10-5-5 — BENTHIN

Part numbers: 94002110, 94002005, 94002023, 94002017, 94002027, 94105710, 94002041, 96644000, 96816000, 94105112, 94002025, 94001001, 94001005, 94002019, 94002021

Version 10-12-2014

Montage • Installation • Pose

max. 1600 mm · ca. 100 mm

mm	0 – 1600	1601 – 3000	3001 – 4400	4401 – 5800	5801 – 5900
	2	3	4	5	6

Typ FV10 / Typ FV11 / Typ FV12 — BENTHIN

Panel curtain system with sliding panels attached with velcro to the panel suspension rail

Typ FV12 · Typ FV11 · Typ FV10

*Child safety: for further informations please refer to page 14

Dimensions/Measures
- **Blind width:** max. 5.90 m (track length incl. end caps)
- **Blind height:** max. 3.50 m (from top edge of end cap to bottom edge of edging strip)
- **Blind weight:** max. 12.0 kg (5.90 m) / max. 24.0 kg (11.8 m)
  System dimension depends on the material and operating device
- **Panel dimensions:**
  - Width min. 200 mm
  - Width max. 1600 mm
  - Fabric weight max. 0.5 kg/m²
  - Panel weight max. 2.8 kg

Gear/Hardware
- **Panels attached with velcro to the panel suspension rail**
  The panel suspension rail is attached to 2 (3) roller bearing mounted travellers.
  The panels can be attached to each other and moved with carriers.
- **2-track top rail** (40 x 18 mm) or **3-track top rail** (59 x 18 mm)
  are made of extruded aluminium (Al Mg Si 0.5 F22),
  technically anodised according to E6/EV1 in silver or powder-coated white (RAL 9016).
  Top rails can be combined on 4/5 or 6-track rails.
  Top rails can be extended by means of rail connectors, corner connectors and curved connectors.
- **Traveller** are made of wear resistant plastic (polyacetal) with roller bearings.
  Flexible travellers for special designs are available.
- **Panel suspension rail with rolled-up velcro hook** (24 x 6 mm)
  is made of extruded aluminium (Al Mg Si 0.5 F22),
  technically anodised according to E6/EV1 in silver or in powder-coated white (RAL 9016).
- **Closing profile** (11 x 23 mm) is made of extruded aluminium (Al Mg Si 0.5 F22),
  technically anodised according to E6/EV1 in silver or powder-coated white (RAL 9016).
- **Visible Plastic parts** are matching the colour of the track in grey and white.

Operation
- **FV10 - Freely slidable**
  Panels can be moved individually by hand.
- **FV11 - Operating rod**
  Moving the drop with an operating rod
  made of extruded aluminium (Al Mg Si 0.5 F22), technically anodised according to E6/EV1 in silver, in powder-coated white (RAL 9016) or grey (RAL 9006).
  Matching hooks and end caps are available in transparent, white and grey.
  Operation side: optional left or right.
- **FV12 - Cord operation**
  Moving the drop with a pull-cord (Ø 2.1 mm)
  made of polyester in antique white, grey, black, beige or brown.
  The pull-cord is secured by means of a transparent cord clip.
  Operation length: freely selectable (in compliance with child safety).
  Operation side: optional left or right.

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Typ FV10 / Typ FV11 / Typ FV12 — BENTHIN

Panel curtain system with sliding panels attached with velcro to the panel suspension rail

Mounting
- **Top fix brackets** in V2A for 2/3-track top rails.
- **Double bracket with clips for ceiling mounting** in V2A for 4/5/6-track top rails.
- **Face fix brackets (adjustable)** anodized or white.
  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,
  made of extruded aluminium (Al Mg Si 0.5 F22),
  technically anodised according to E6/EV1 in silver or powder-coated white (RAL 9016).
  Recess profile (59 x 18 mm) for 2/3-track top rails.
  Clamp mounting for the top rails with rail clips made of transparent plastic.
  2-piece recess profile (42 x 18 mm) for 4/5/6-track top rails.
  Clamp mounting for the top rails with bayonet locks at the connectors of the recess profiles.
  End caps for recess profiles are made of extruded aluminium (Al Mg Si 0.5 F22),
  technically anodised according to E6/EV1 in silver or powder-coated white (RAL 9016).

For measures, see section **Mounting dimensions** from page 8 to 10.

Order height = B · Blind height = H · Panel height = P

Dimensions in mm

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DOCUMENTATION FOR ALL NEEDS

Benthin provides a comprehensive range of documentary material to make it easy for you to get started with a product.
Detailed in-depth reference documents enable our customers to build strong product knowledge on all models.

Component Catalogue

Lists all components with information about article numbers, delivery times and order quantities.

Additional exploded drawings with item numbers help with ordering and provide an overview.

Data sheets

Contain detailed information about each model. These may be used for general information purposes or when compiling order documents. They provide information for architects, as well as for manufacturers.
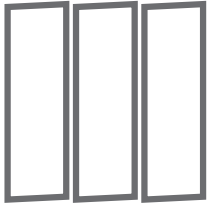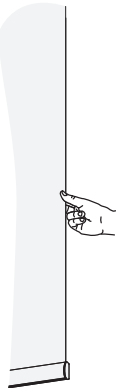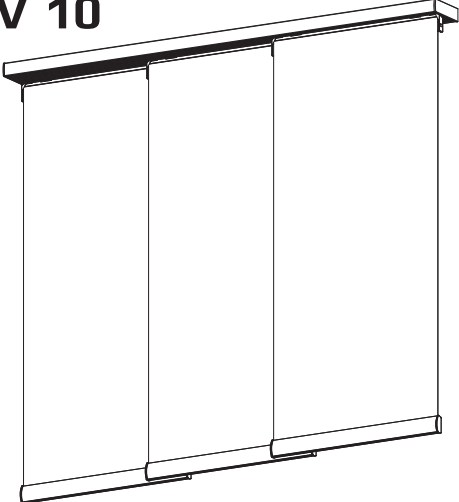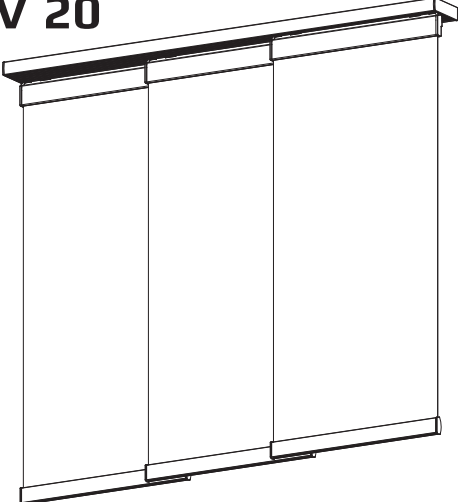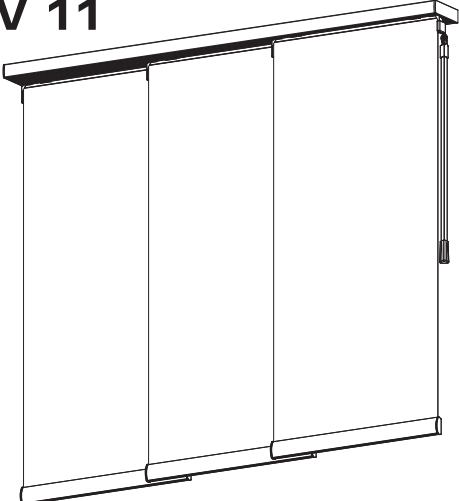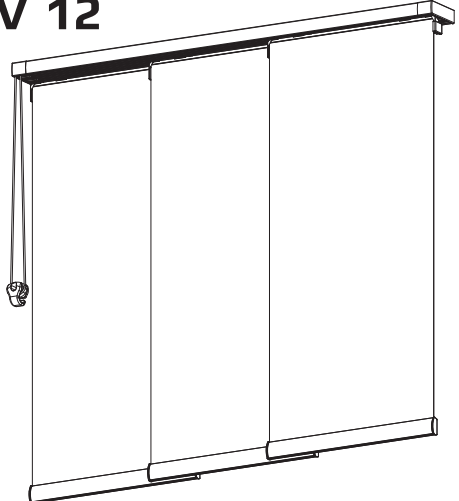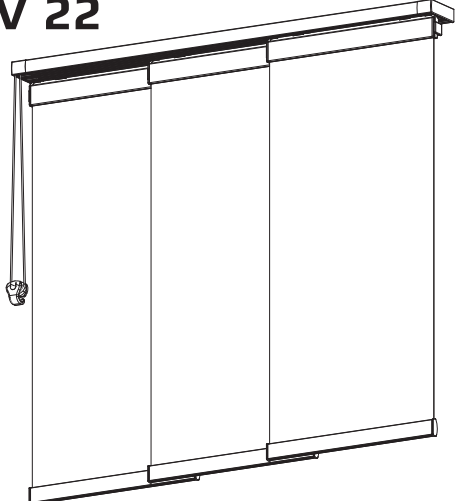
Installation instructions

A helpful guide describing, in words and pictures, how to install, operate and care for panel blinds.

Worksheet Program

A software tool to configurate the models with bill of materials and pricing.

Type overview Panel Blinds

		Panel suspension system	
		Velcro profile	Panel top rail
Operation	Freely slidable	**FV 10**	**FV 20**
	Operating rod	**FV 11**	**FV 21**
	Pull-cord	**FV 12**	**FV 22**

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