Roller Blinds

BENTHIN

The Roller Blind System

Roller Blinds in all sizes

Benthin roller blind systems are available in four size ranges -- **small, medium, medium plus** and **large** -- and thus offer the right solution for all requirements.

Each system includes a suitable selection of specific types, which differ with regard to their control options, configurations and possible applications.

Perfect customisation to the architectural setting in terms of design, operation, safety and appearance is guaranteed in every case.

Benthin roller blinds ensure efficiency in warehousing and manufacturing with their modular, cross-system concept which reduces the number of components as far as possible.

All the components, covers, cassettes and side guides are marked out by their elegant, discreet design,
making integration with any window possible.

Premium materials and certified quality guarantee perfect functioning and an attractive, first-rate roller blind.

Visible components and profiles match each other perfectly.
All profiles are anodised in silver or powder-coated in white, black or beige, with grey also being available in the case of the large system.
The plastic components come in white, grey, black or beige to match.

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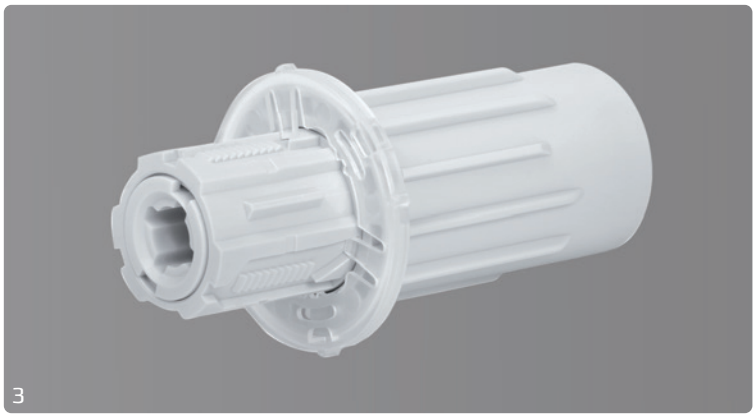
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Roller Blinds Small – RS

Benthin's **small roller blind system** is designed for roller blinds with a small roll diameter and offers an aesthetically pleasing solution for smaller windows.
The size of the roller blind is in complete harmony with the size of the window.

A patented **spring loaded thrust bearing [3]** with a locking function ensures easy, convenient installation of roller types using brackets.

The spring mechanism makes the roller blind easier to fit and any inaccuracies in the spacing between the brackets can be evened out.

Simple mounting with fixing profile [1]

No matter whether wall or ceiling mounting is being used, the roller blind with fixing profile simply clips into the clip fixing as a complete unit.

Discreet cassette profile [2]

A round, two-piece cassette fits in perfectly with the surroundings and can be mounted quickly and effortlessly on the wall or ceiling using clips.

The flat **mounting clip** enables the blind to be put up quickly and easily with the smallest possible gap to the wall/ceiling.

There is a **side guide profile** with optional brush sealing to match the cassette profile.

With the adjustable cord holder the **discreet cord guide** can be fitted at the side on the wall or embrasure, or on the floor for that matter.
The **cord holder [4]** is equally suitable for medium roller blinds.

Wide range of control options

In addition to the manual control options of **side pull with chain or cord** and **spring operation**, the small roller blind can also be equipped with a **24 volt motor**.

Roller Blinds Medium – RM

The medium roller blind system offers a wide range of options and models.

The holder fastening mechanism, the mounting plate, **a round cassette [1]** and an **angular cassette [2]** and flexible cover solutions coordinated with shafts and operating types make the medium roller blinds the perfect fit for almost all needs.

The **mounting plate design [3]** is available with concealed beams and covered end caps, as well as in a **metal variant [4]** with metal end caps made as a mounting option, and also as a variant with a mounting plate to round off the medium-sized system.

For optimum dim-out the fabric is guided in the **side profile [2]** by means of the bottom bar end caps.

Tight brushes can also be inserted in the rails.

The **two-sided bottom rail [1]** is flat on one side, round on the other side and can be used to match the selected roller blind type.

The bottom bar attaches to the fabric quickly and firmly with a self adhesive spline and can easily be weighted for light blinds.

As with the small roller blind, the **discreet cord guiding** with the variable cord holder can be attached laterally to the wall or to the reveal as well as to the floor.

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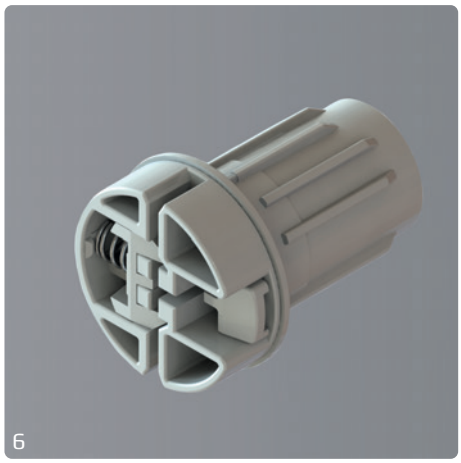
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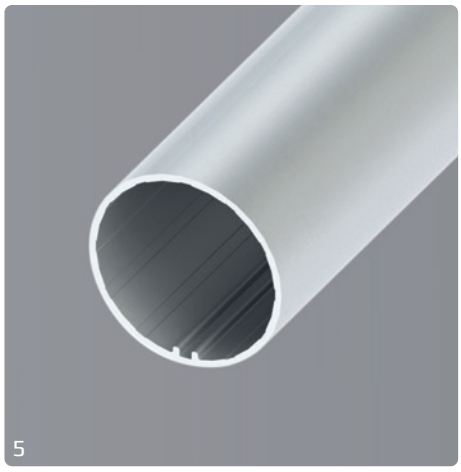

5

Patented aluminium **shafts [5]** (Ø29/Ø38 mm) with eccentric internal contouring even out tolerances, ensuring that the components sit firmly and securely.

In addition to the **spring thrust bearing** with locking function, the **thrust bearing with lever [6]** is a safe and simple installation variant.

Duo roller blinds can be easily installed with mounting plates or a round cassette, and the system can also be extended to fit **Roman blinds** with a few components.

Ease of operation

Tried and tested Ø4.5 x 6.0 mm **chain operation [3]** is also available with matt ball chains for a contemporary, timeless look.

Furthermore, the **chain guard [3]** guarantees child safety.

In addition to the **spring operation** there is also the option of **crank operation** (2.8:1) for larger loads and improved safety.

With this option a **double end stop** makes it possible to set a top position as well as the bottom position.

In addition to **24-volt** motors and **230-volt** motors, the convenient **motor solutions** also include **battery-powered 12-volt** motors.

Easy installation

All cassette profiles and mounting plates can be fastened quickly and easily with **clips** to the wall or the ceiling.

Optionally, the mounting plate and the cassettes can be conveniently mounted with a screw using an **aluminium bracket/screw**.

Roller Blinds Medium Plus – RMP

The medium plus system is suitable for medium to large roller blinds.

Thanks to the optimised sizing of the cassettes, widths of up to 3.20 m and heights of up to 3.40 m can be achieved in a discreet look.

Profiles with a very minimalist, modern design with narrow end caps and concealed components fit perfectly into contemporary architecture.

The **cassette variants [1/2/3]** are based on a basic profile, which can be combined with different profiles to form a round or angular cassette or finished off with a cover.

In addition, the **flat cover** can be extended by a **revision profile [4]**, which makes installation and dismantling easy in built-in systems.

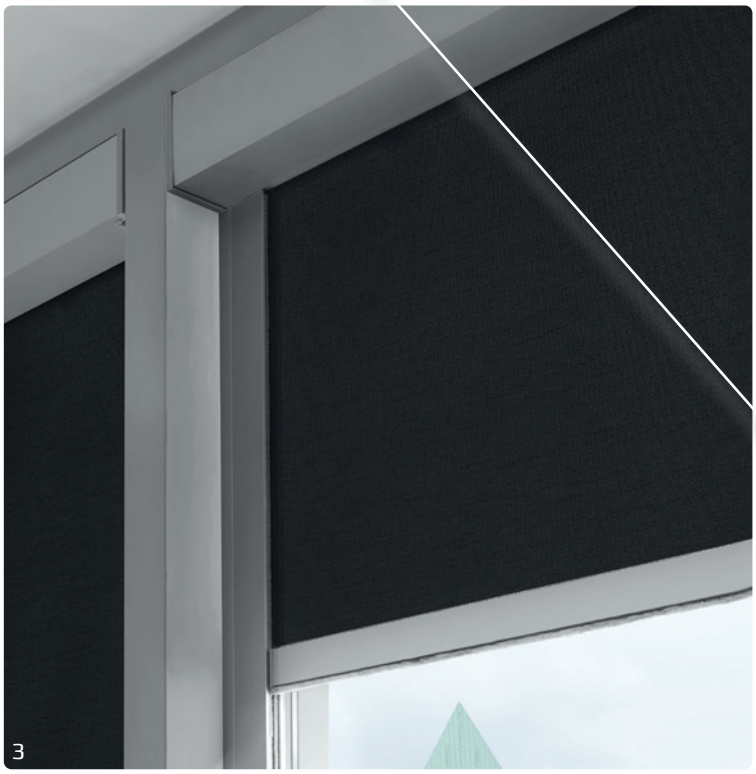
In addition to the standard **mounting profile**, the portfolio is expanded by a **mounting profile design** for a truly outstanding look.

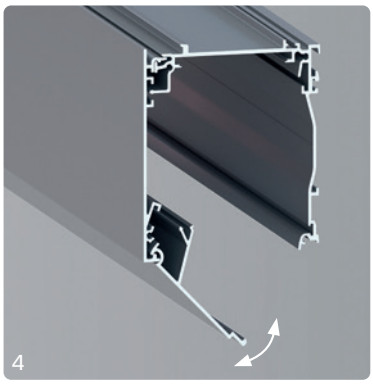
Installation with **brackets [5]** allows secure and variable attachment to the wall and ceiling.

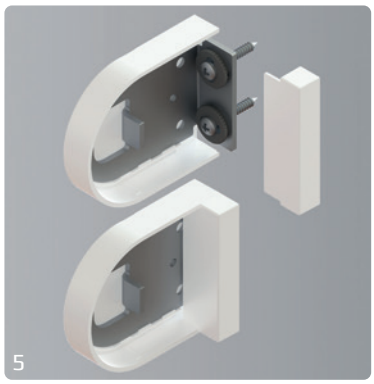
Special bracket inserts [5] can be turned through 360°, enabling the bracket to be aligned and positioned accurately.

Brackets and screws can be covered easily and elegantly **[5]**.

The concept of the **two-sided bottom rail**, which can be used on both sides **[6/7]**, is optimised for Medium Plus and adapted to 15 x 40 mm. The bottom rail is also compatible with large blinds.







Operating types

A easy-running **chain drive** in all colours can be operated with a **Ø4.5 x 6.0 mm** plastic ball chain.

Alternatively, it can be operated with the Ø6 x 12 mm plastic ball chain and also with a Ø4.5 mm metal ball chain.

Auxiliary springs or function gears ensure effortless operation even with heavy hangings.

Motorisation is convenient and extensive thanks to the **24 volt** and **230 volt** motors

Another operating solution is the very narrow **crank gear box** (3.5:1).

With the matching double stop, it permits the upper and lower positions to be adjusted individually.

An **adjustable thrust bearing [5]** allows shaft alignment, enabling mounting inaccuracies of up to 4 mm in each direction to be evened out.

For a perfect look, the concealed **cord guide [1/6/7]** is only minimally visible, as the cord runs behind the hanging.

It can be flexibly mounted, and the bottom rail can be detached and reinstalled at any time.

The simple **side profile [2]** is another guide option.
The bottom rail is guided at the end pieces, with a light gap of only 6 mm.

An excellent **black-out profile guide [3]** with brushes and a very deep hanging guide can be easily mounted without visible screws.

Roller Blinds Large – RL

The large roller blind system is the solution for all roller blinds with a large surface area of up to 16 m².

It can be fitted with heavy fabrics and offers ideal design options for modern architecture with its ever larger areas of glass.

To meet all requirements, the system offers flexible cover and **cassette types [1/2]**.

A **mounting plate [3]** with covered end caps rounds off the system.

Several closing profiles, which can be flexibly weighted, are also optionally available.

The 15 x 40 mm **bottom rail can be operated on both sides [4]** of the medium plus roller blind system can also be used with the large roller blind in all variants.

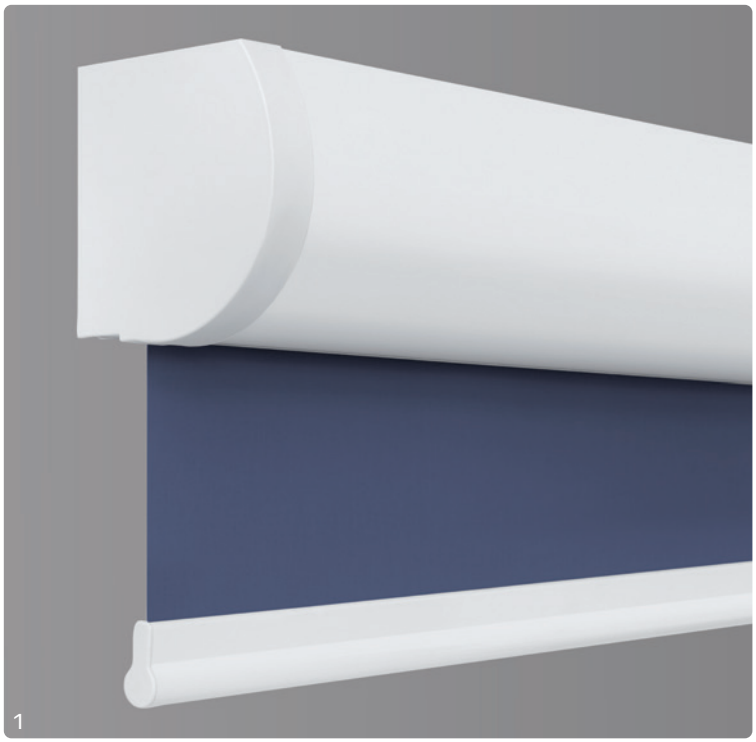
A spring-loaded cord guide, a simple side guide and also a black-out **profile guide [2]** can be mounted easily and securely.

Control options

A smooth-running **chain drive [3]** can be operated with a **Ø6 x 12 mm** plastic ball chain in all colours.

Alternatively, with the Ø4.5 x 6 mm plastic ball chain and also with a Ø4.5 mm metal ball chain.

Auxiliary springs or planetary gears ensure that even heavy blinds can be operated effortlessly.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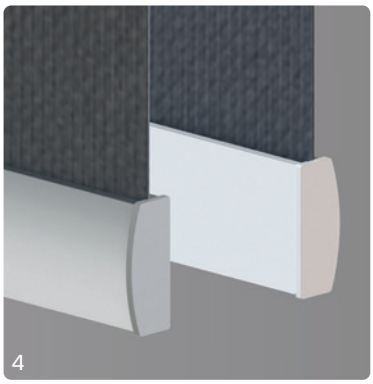
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The **crank gear box** with a 4:1 ratio is another high-quality, secure operating variant.

Here, too, the double final stop allows not just the lower position to be freely adjusted, but the upper position as well.

A selection of various **230 volt motors** offers the most convenient option for operating large rollers.

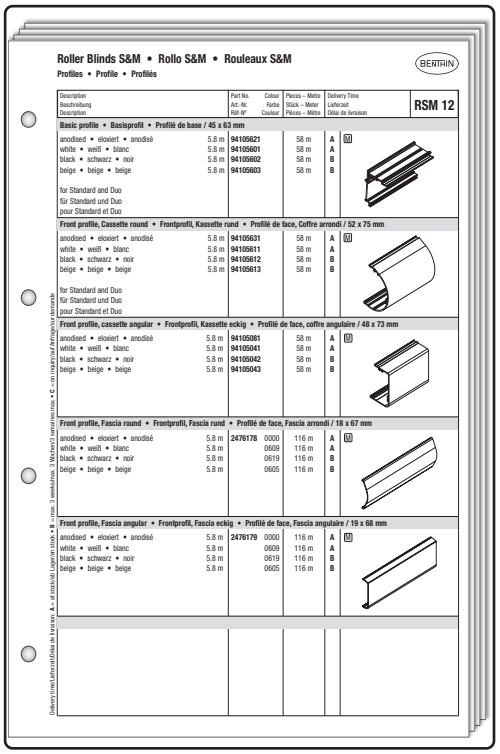
Simple, secure installation

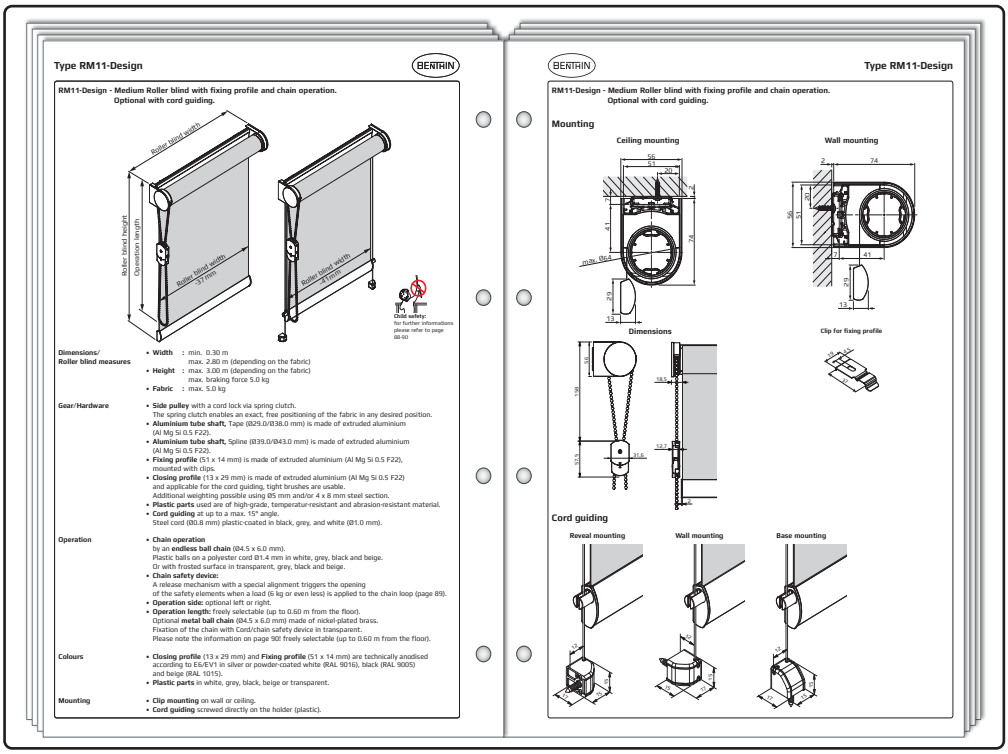
As with RMP, the stable **brackets [5]** can be precisely aligned and positioned with the 360° rotatable bracket inserts .

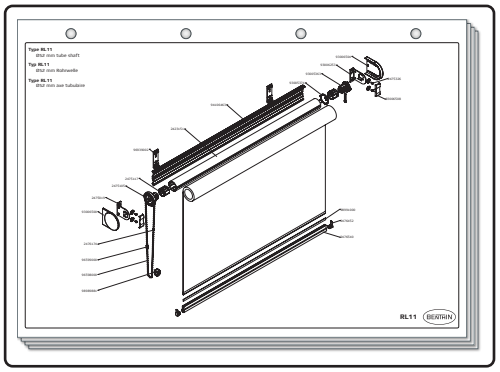
The mounting plates and cassette profiles are installed with **mounting holders [6]** and permit secure, concealed attachment to the wall or ceiling.

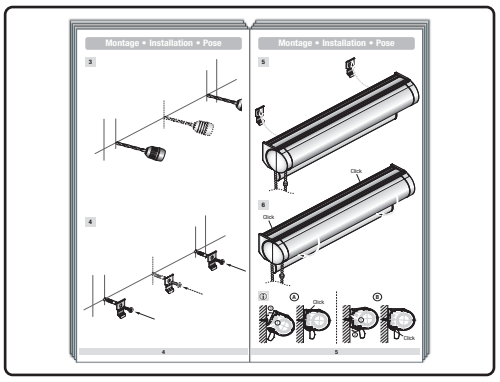
A **recess profile system [7]** for models with bracket mounting. With flexible covers and caps, it ensures an unobtrusive look and perfect planning and installation in buildings.

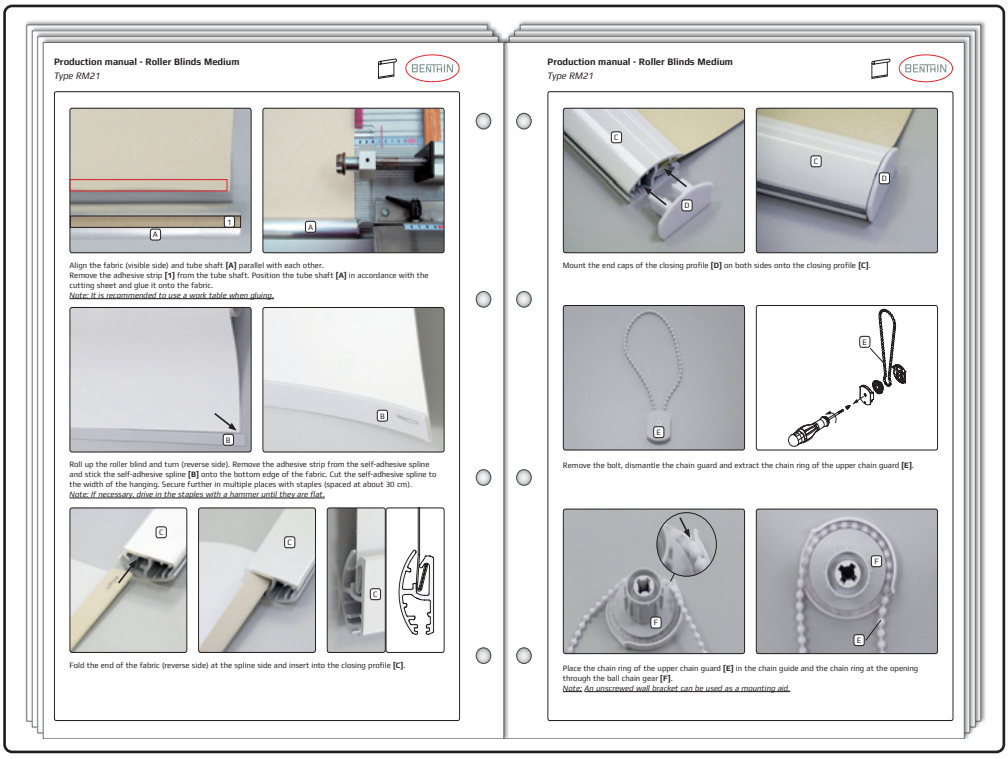
All types can be coupled together and an adjustable endplug offers the option of setting all blinds to exactly the same height.











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.

Production manual

A guide to assembling your blinds, with detailed step-by-step illustrations and descriptions.

Installation instructions

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

Worksheet Program

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

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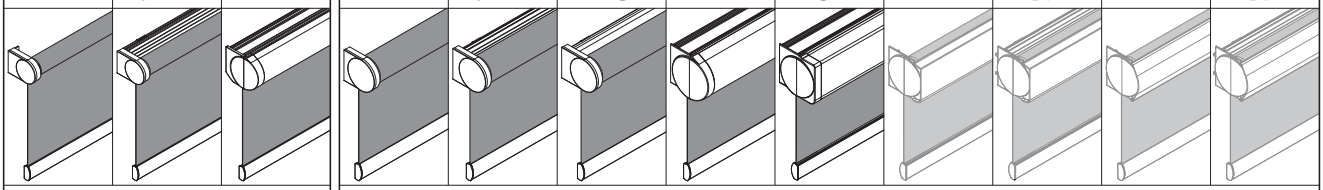
Roller Blinds Small – RS

Roller Blinds Medium – RM



max. dimensions (depending on type and fabric)

		Roller Blinds Small – RS			Roller Blinds Medium – RM								
		Bracket	Fixing profile	Cassette round	Bracket	Fixing profile	Fixing profile Design	Cassette round	Cassette angular	Cover flat bracket	Cover flat fixing profile	Cover round bracket	Cover round fixing profile
		1.80 x 2.50 m			2.80 x 3.00 m								
Operation	Chain	**RS01**	**RS11**	**RS21**	**RM01**	**RM11**	**RM11-Design**	**RM21**	**RM31**	**RM41**	**RM61**	**RM51**	**RM71**
	Spring	**RS02**	**RS12**	**RS22**	**RM02**	**RM12**	**RM12-Design**	**RM22**	**RM32**	**RM42**	**RM62**	**RM52**	**RM72**
	Motor			**RS26**	**RM06**	**RM16**	**RM16-Design** **RM16-Akkudesign**	**RM26**	**RM36**	**RM46**	**RM66**	**RM56**	**RM76**
	Crank				**RM07**	**RM17**		**RM27**		**RM47**	**RM67**	**RM57**	**RM77**
Guiding	Cord guiding	RS01 RS05	RS11 RS15	RS21 RS26	RM01 RM06 RM07	RM11 RM16 RM17	RM11 RM16 Design Akkudesign	RM21 RM26 RM27	RM31 RM36	RM41 RM46 RM47	RM61 RM66 RM67	RM51 RM56 RM57	RM71 RM76 RM77
	Side guiding												
	Side profile			RS21 RS26				RM21 RM26 RM27	RM31 RM36				
Other	Duo-Roller					**RM11-Duo** **RM16-Duo**	**RM11-Duo-Design** **RM16-Duo-Design** **RM16-Duo-Akkudesign**	**RM21-Duo** **RM26-Duo**					
	Roman blind					**RRM11** **RRM16**							
	Metal Rollers				**RM01-Metall**		**RM11-Metall**						
	Revision flap												
	Recess profile												
	Coupling				RM01 RM06 RM07	RM11 RM16 RM17		RM21 RM26 RM27	RM31 RM36	RM41 RM46 RM47	RM61 RM66 RM67	RM51 RM56 RM57	RM71 RM76 RM77

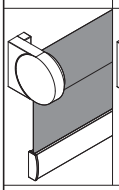
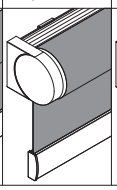
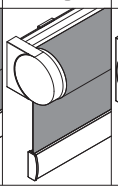
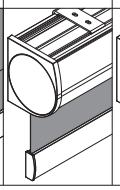
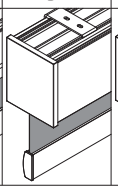
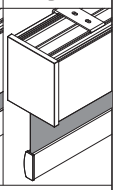
Roller Blinds Small – RS

- Width : max.* 1.80 m
- Height : max.* 2.50 m
  Cassette : max.* 2.00 m
- Fabric : max. 2.5 kg
- Tube shaft : Ø20 mm, Ø29 mm
- Closing profile : 11 x 23 mm
- Bracket : 55 x 39 mm
- Fixing profile : 37 x 8 mm
- Cassette round : 63 x 57 mm

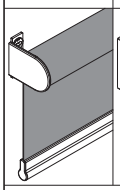
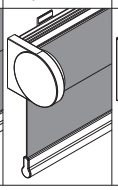
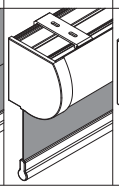
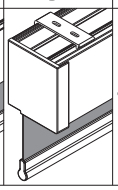
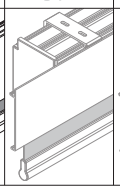
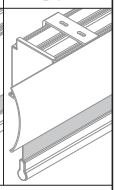
Roller Blinds Medium – RM

- Width : max.* 2.80 m
- Height : max.* 3.00 m
- Fabric : max. 5.0 kg
- Tube shaft : Ø29 mm, Ø38 mm, Ø44 mm
- Closing profile : 13 x 29 mm
- Bracket : 64 x 55 mm
- Fixing profile : 47 x 9 mm
- Cassette round : 80 x 78 mm
- Cassette angular : 75 x 77 mm

Roller Blinds Medium Plus – RMP

Bracket	Fixing profile	Fixing profile Design	Cassette round	Cassette angular	Cover angular
					
3.20 x 3.40 m					
RMP01	**RMP11**	**RMP11 Design**	**RMP21**	**RMP31**	**RMP41**
RMP06	**RMP16**	**RMP16 Design**	**RMP26**	**RMP36**	**RMP46**
RMP07	**RMP17**	**RMP17 Design**	**RMP27**	**RMP37**	**RMP47**
RMP01 RMP06 RMP07	RMP11 RMP16 RMP17	RMP11 Design RMP16 Design RMP17 Design	RMP21 RMP26 RMP27	RMP31 RMP36 RMP37	RMP41 RMP46 RMP47
			RMP21 RMP26 RMP27	RMP31 RMP36 RMP37	RMP41 RMP46 RMP47
			RMP21 RMP26 RMP27	RMP31 RMP36 RMP37	
		RMP11 Duo-Design RMP16 Duo-Design	RMP21-Duo RMP26-Duo	RMP31-Duo RMP36-Duo	RMP41-Duo RMP46-Duo
					RMP41 RMP46 RMP47
RMP01 RMP06 RMP07	RMP11 RMP16 RMP17		RMP21 RMP26 RMP27	RMP31 RMP36 RMP37	RMP41 RMP46 RMP47

Roller Blinds Large – RL

Bracket	Fixing profile	Cassette round	Cassette angular	Cover flat fixing profile	Cover round fixing profile
					
4.00 x 4.00 m					
RL01	**RL11**	**RL21**	**RL31**	**RL61**	**RL71**
RL06	**RL16**	**RL26**	**RL36**	**RL66**	**RL76**
RL07	**RL17**	**RL27**	**RL37**	**RL67**	**RL77**
RL01 RL06 RL07	RL11 RL16 RL17	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77
		RL21 RL26 RL27	RL31 RL36 RL37		
		RL21 RL26 RL27	RL31 RL36 RL37		
RL01 RL06					
RL01 RL06 RL07	RL11 RL16 RL17	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77

* max. dimensions are depending on fabric

Roller Blinds Medium Plus – RMP

- Width : max.* 3.20 m
- Height : max.* 3.40 m
- Fabric : max. 7.5 kg
- Tube shaft : Ø38 mm, Ø43 mm, Ø44 mm, Ø52 mm
- Closing profile : 15 x 40 mm
- Bracket : 88 x 74 mm
- Fixing profile : 60 x 13 mm
- Cassette round : 92 x 98 mm
- Cassette angular : 88 x 98 mm

Roller Blinds Large – RL

- Width : max.* 4.00 m
- Height : max.* 4.00 m
- Fabric : max. 12.0 kg
- Tube shaft : Ø43 mm, Ø52 mm, Ø65 mm, Ø75 mm
- Closing profile : 18 x 36 mm, 15 x 40 mm, 14 x 28 mm
- Bracket : 85 x 60 mm
- Fixing profile : 87 x 33 mm
- Cassette round : 118 x 113 mm
- Cassette angular : 118 x 102 mm

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