Roller Blinds

BENTHIN

The Roller Blind System

Roller Blinds in all sizes

With **Small**, **Medium** and **Large**, Benthin's roller blind systems offer three size ranges and therefore the right solution for every requirement.

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.

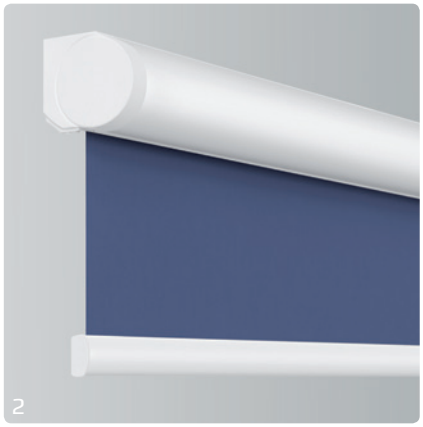
Thanks to their modular concept with as small a number of components as possible, Benthin's roller blinds ensure stocking and manufacturing efficiency.

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.

1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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 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.

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

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.

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

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**.

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.

Roller Blinds Medium – RM

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

Flexible cover solutions, brackets or carrier profile, round [1] and square [2] cassettes with coordinated tube shafts and control options make the medium roller blind system the perfect solution for virtually every need.

A newly developed **mounting profile** [3] using concealed brackets and covered end caps adds to a sophisticated look.

Medium Roller Blinds with fixing profile and round cassette can now be easily manufactured as **Duo Roller Blinds**.

In addition the Medium System can be upgraded with a few components to a **Roman Blind** for all sizes and all control options.

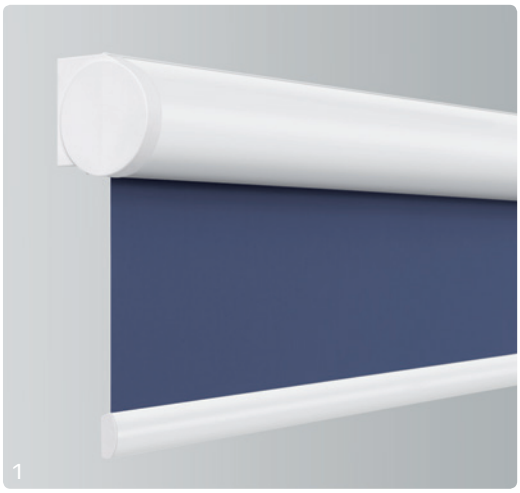
Patented aluminium **shafts** [4] (Ø29/Ø38 mm) with eccentric internal contouring even out tolerances, ensuring that the components sit firmly and securely.

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.

In addition to the **spring thrust bearing** with locking function, the **thrust bearing with lever** [5] is a safe and simple installation variant.

7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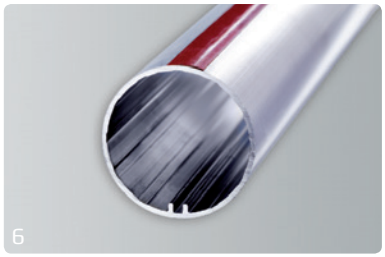
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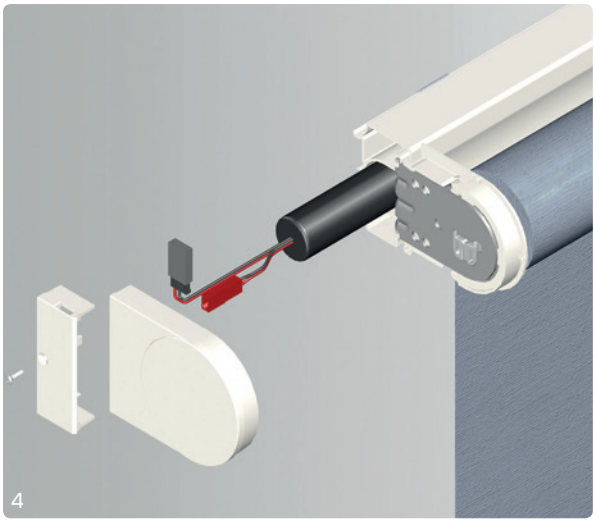
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Ease of operation

Tried and tested Ø4.5 x 6.0 mm **chain operation** 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** 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.

The convenient **motor solutions** include various 24 volt motors as well as a 230 volt version.

Mounting alternatives

Cassette profiles and fixing profiles mount quickly and easily on wall or ceiling using **clips**.
The fixing profile can also be conveniently mounted using an **aluminium bracket** with screw, while there is an **aluminium angle** with screw for the cassettes.

A **design variant** [6] with end caps made of metal is available as a holder model or as an option with a mounting profile to complete the Medium Systems range.

The **double-sided closing profile** is flat on one side and round on the other for use with different roller blind types.

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

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 satisfy every requirement, the range offers flexible cover and cassette options [1] with side guidings [2].
A Mounting profile [3] with covered end caps rounds out the range.

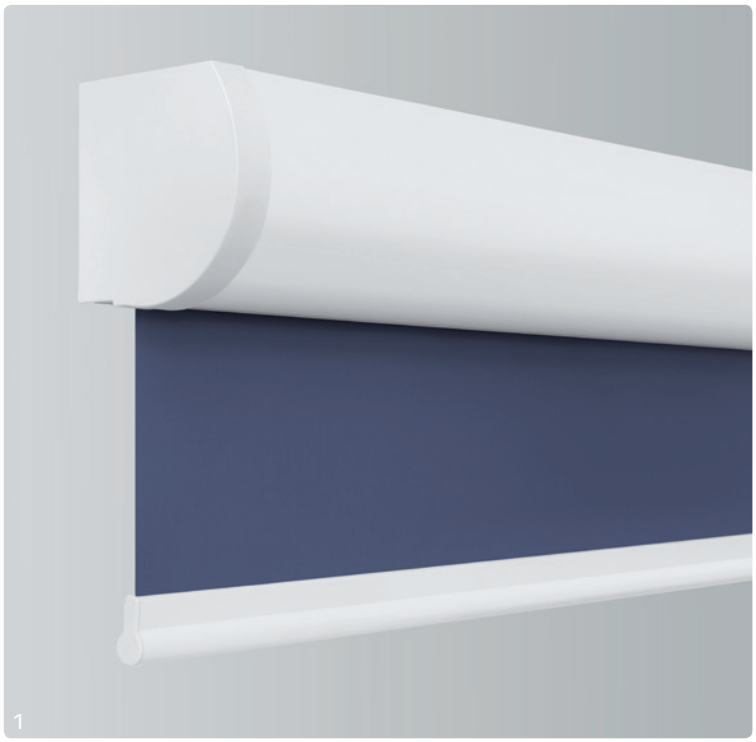
A sophisticated shaft system with four diameters and various adapters means that the gear and thrust bearing are suitable for all shaft diameters.

There is a choice of two closing profiles, which can be flexibly weighted.

Control options

A smooth-running **chain drive** [3] can be operated with a Ø6 x 12 mm or Ø4.5 x 6 mm plastic ball chain in all colours, or 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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1/2

3

4

5

6

7

Alternatively there is a **crank drive** with a ratio of 3:1.

A double end stop makes it possible to set a top position as well as the bottom position.

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

Simple, secure installation

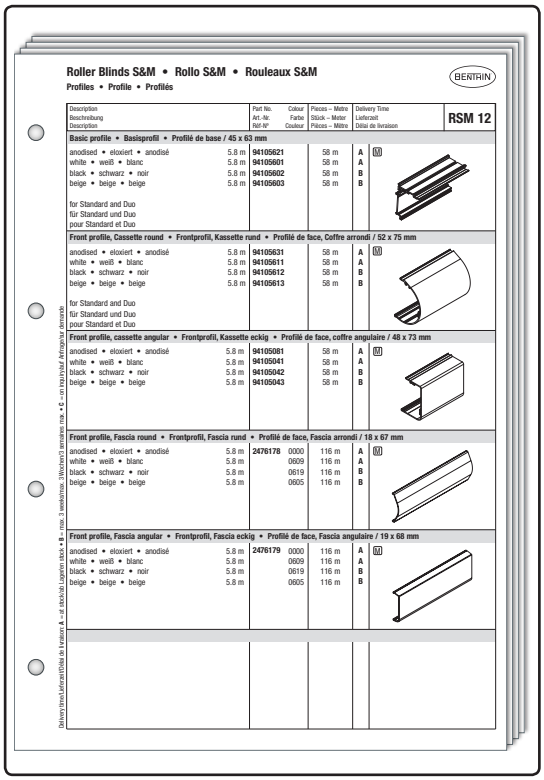
Special bracket inserts can be turned through 360°, enabling the **bracket** [4] to be aligned and positioned accurately.

Variable mounting with a **bracket** [5] makes secure, concealed attachment to wall or ceiling possible.

An **adjustable thrust bearing** [6] allows shaft alignment, enabling mounting inaccuracies of up to 4 mm in each direction to be evened out.

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.



Roller Blinds S&M • Rollo S&M • Rouleaux S&M

Profiles • Profile • Profilés

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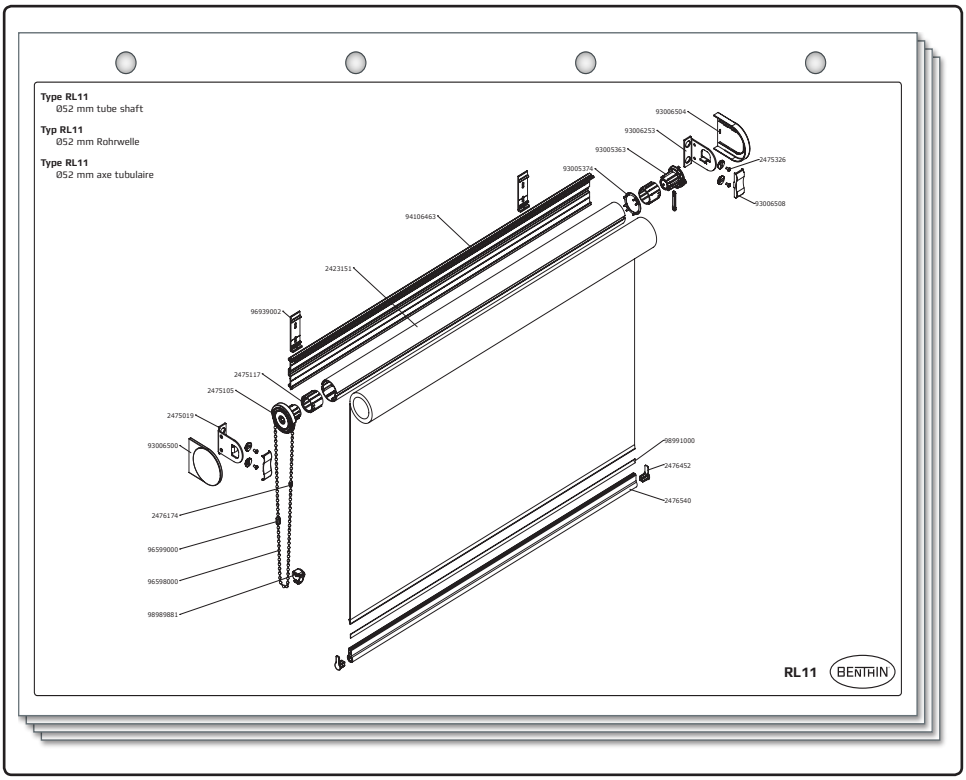
Description Beschreibung Description	Part No. Art.-Nr Réf-N°	Colour Farbe Couleur	Pieces – Metre Stück – Meter Pièces – Mètre	Delivery Time Lieferzeit Délai de livraison	RSM 12
Basic profile • Basisprofil • Profilé de base / 45 x 63 mm					
anodised • eloxiert • anodisé	5.8 m	**94105621**	58 m	A	
white • weiß • blanc	5.8 m	**94105601**	58 m	A	
black • schwarz • noir	5.8 m	**94105602**	58 m	B	
beige • beige • beige	5.8 m	**94105603**	58 m	B	
for Standard and Duo für Standard und Duo pour Standard et Duo					
Front profile, Cassette round • Frontprofil, Kassette rund • Profilé de face, Coffre arrondi / 52 x 75 mm					
anodised • eloxiert • anodisé	5.8 m	**94105631**	58 m	A	
white • weiß • blanc	5.8 m	**94105611**	58 m	A	
black • schwarz • noir	5.8 m	**94105612**	58 m	B	
beige • beige • beige	5.8 m	**94105613**	58 m	B	
for Standard and Duo für Standard und Duo pour Standard et Duo					
Front profile, cassette angular • Frontprofil, Kassette eckig • Profilé de face, coffre angulaire / 48 x 73 mm					
anodised • eloxiert • anodisé	5.8 m	**94105081**	58 m	A	
white • weiß • blanc	5.8 m	**94105041**	58 m	A	
black • schwarz • noir	5.8 m	**94105042**	58 m	B	
beige • beige • beige	5.8 m	**94105043**	58 m	B	
Front profile, Fascia round • Frontprofil, Fascia rund • Profilé de face, Fascia arrondi / 18 x 67 mm					
anodised • eloxiert • anodisé	5.8 m	**2476178** 0000	116 m	A	
white • weiß • blanc	5.8 m	0609	116 m	A	
black • schwarz • noir	5.8 m	0619	116 m	B	
beige • beige • beige	5.8 m	0605	116 m	B	
Front profile, Fascia angular • Frontprofil, Fascia eckig • Profilé de face, Fascia anguliaire / 19 x 68 mm					
anodised • eloxiert • anodisé	5.8 m	**2476179** 0000	116 m	A	
white • weiß • blanc	5.8 m	0609	116 m	A	
black • schwarz • noir	5.8 m	0619	116 m	B	
beige • beige • beige	5.8 m	0605	116 m	B	

Delivery times/Lieferzeit/Délai de livraison: A = at stock/ab Lagerort stock • B = max. 3 weeks/max. 3 Wochen/3 semaines max • C = on request/auf Anfrage/sur demande

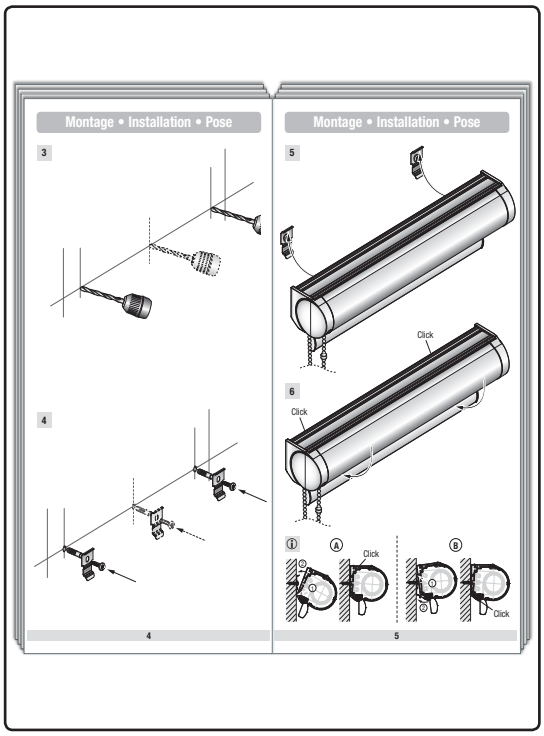


Type RL11
Ø52 mm tube shaft

Typ RL11
Ø52 mm Rohrwelle

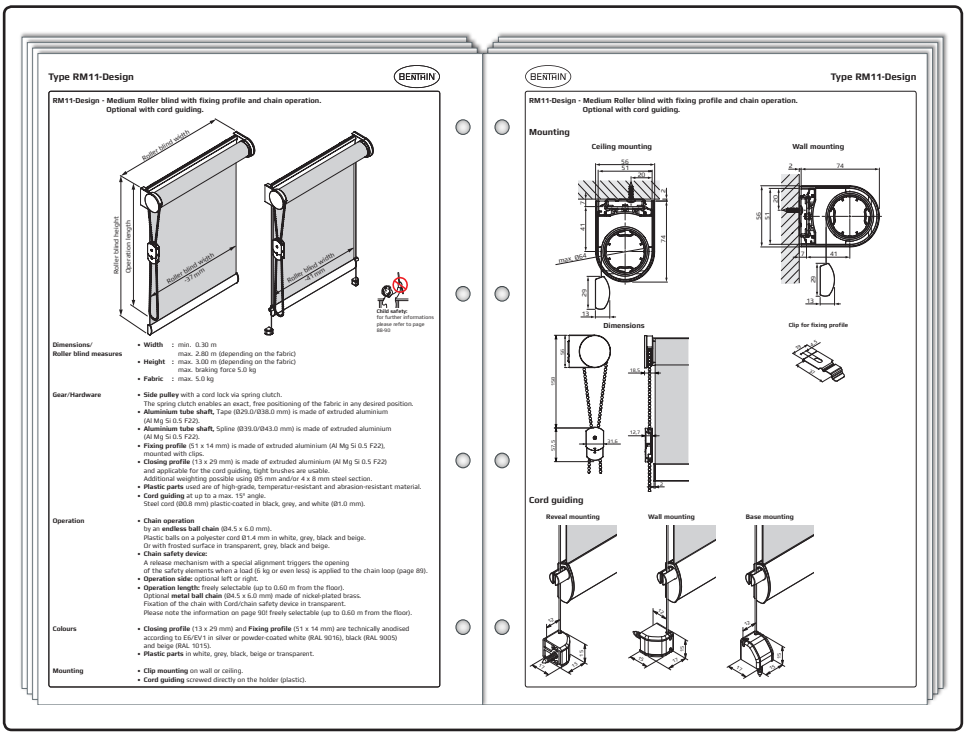
Type RL11
Ø52 mm axe tubulaire

RL11 BENTHIN



Montage • Installation • Pose

4 5



Type RM11-Design

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RM11-Design - Medium Roller blind with fixing profile and chain operation.
Optional with cord guiding.

Dimensions/ Roller blind measures
- **Width** : min. 0.30 m max. 2.80 m (depending on the fabric)
- **Height** : max. 3.00 m (depending on the fabric) max. braking force 5.0 kg
- **Fabric** : max. 5.0 kg

Gear/Hardware
- **Side pulley** with a cord lock via spring clutch. The spring clutch enables an exact, free positioning of the fabric in any desired position.
- **Aluminium tube shaft,** Tape (Ø29.0/Ø38.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
- **Aluminium tube shaft,** Spline (Ø39.0/Ø43.0 mm) is made of extruded aluminium (Al Mg Si 0.5 F22).
- **Fixing profile** (51 x 14 mm) is made of extruded aluminium (Al Mg Si 0.5 F22), mounted with clips.
- **Closing profile** (13 x 29 mm) is made of extruded aluminium (Al Mg Si 0.5 F22) and applicable for the cord guiding, tight brushes are usable. Additional weighting possible using Ø5 mm and/or 4 x 8 mm steel section.
- **Plastic parts** used are of high-grade, temperatur-resistant and abrasion-resistant material.
- **Cord guiding** at up to a max. 15° angle. Steel cord (Ø0.8 mm) plastic-coated in black, grey, and white (Ø1.0 mm).

Operation
- **Chain operation** by an **endless ball chain** (Ø4.5 x 6.0 mm). Plastic balls on a polyester cord Ø1.4 mm in white, grey, black and beige. Or with frosted surface in transparent, grey, black and beige.
- **Chain safety device:** A release mechanism with a special alignment triggers the opening of the safety elements when a load (6 kg or even less) is applied to the chain loop (page 89).
- **Operation side:** optional left or right.
- **Operation length:** freely selectable (up to 0.60 m from the floor). Optional **metal ball chain** (Ø4.5 x 6.0 mm) made of nickel-plated brass. Fixation of the chain with Cord/chain safety device in transparent. Please note the information on page 90! freely selectable (up to 0.60 m from the floor).

Colours
- **Closing profile** (13 x 29 mm) and **Fixing profile** (51 x 14 mm) are technically anodised according to EG/EV1 in silver or powder-coated white (RAL 9016), black (RAL 9005) and beige (RAL 1015).
- **Plastic parts** in white, grey, black, beige or transparent.

Mounting
- **Clip mounting** on wall or ceiling.
- **Cord guiding** screwed directly on the holder (plastic).

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Type RM11-Design

RM11-Design - Medium Roller blind with fixing profile and chain operation.
Optional with cord guiding.

Mounting

Ceiling mounting

Wall mounting

Dimensions

Clip for fixing profile

Cord guiding

Reveal mounting

Wall mounting

Base mounting

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.

Assembly

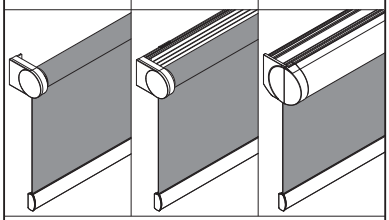
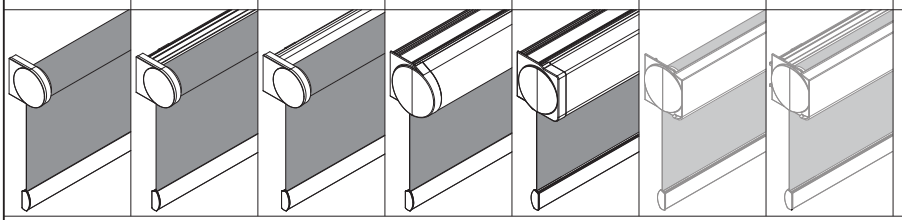
Fabrication instructions.
A step-by-step guide with detailed figures and descriptions.

Worksheet program

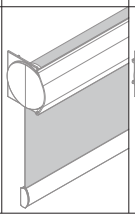
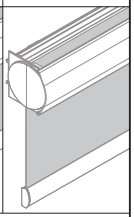
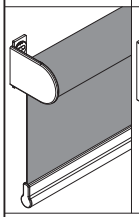
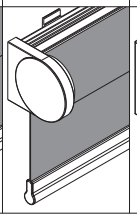
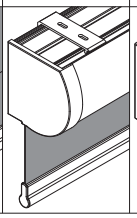
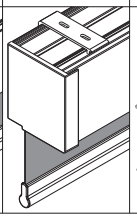
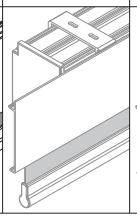
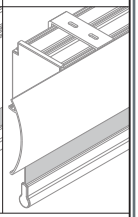
A software tool to configurate the models with bill of materials and pricing.

Type overview Roller Blinds

Roller Blinds System

		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
											
max. dimensions (depending on type and fabric)		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**
	Spring	**RS02**	**RS12**	**RS22**	**RM02**	**RM12**	**RM12-Design**	**RM22**	**RM32**	**RM42**	**RM62**
	Cord	**RS05**	**RS15**								
	Motor			**RS26**	**RM06**	**RM16**	**RM16-Design** **RM16-Akkudesign**	**RM26**	**RM36**	**RM46**	**RM66**
	Crank				**RM07**	**RM17**		**RM27**		**RM47**	**RM67**
Side 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
	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				
	Recess profile										
	Coupling				RM01 RM06 RM07	RM11 RM16 RM17		RM21 RM26 RM27	RM31 RM36	RM41 RM46 RM47	RM61 RM66 RM67

Roller Blinds Large – RL

	Cover round bracket	Cover round fixing profile	Bracket	Fixing profile	Cassette round	Cassette angular	Cover flat fixing profile	Cover round fixing profile
								
			4.00 x 4.00 m					
	RM51	**RM71**	**RL01**	**RL11**	**RL21**	**RL31**	**RL61**	**RL71**
	RM52	**RM72**						
	RM56	**RM76**	**RL06**	**RL16**	**RL26**	**RL36**	**RL66**	**RL76**
	RM57	**RM77**	**RL07**	**RL17**	**RL27**	**RL37**	**RL67**	**RL77**
	RM51 RM56 RM57	RM71 RM76 RM77	RL01 RL06 RL07	RL11 RL16 RL17	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77
					RL21 RL26 RL27	RL31 RL36 RL37		
			RL01 RL06					
	RM51 RM56 RM57	RM71 RM76 RM77	RL01 RL06 RL07	RL11 RL16 RL17	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77

Roller Blinds Small – RS

- Width : max.* 1.80 m
- Height : max.* 2.50 m
  Cassette : max.* 2.00 m
- Brake capacity : 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
- Brake capacity : 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 Large – RL

- Width : max.* 4.00 m
- Height : max.* 4.00 m
- Brake capacity : max. 12.0 kg
- Tube shaft : Ø43 mm
  Ø52 mm
  Ø65 mm
  Ø75 mm
- Closing profile : 18 x 36 mm
- Closing profile : 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

* max. dimensions
are depending on fabric

Benthin GmbH
Osterstader Str. 16
D-27572 Bremerhaven
T +49 471 79 84 0
F +49 471 79 84 111
info@benthin.com

Benthin
8 Charter Gate
Clayfield Close
Moulton Park
Northampton NN3 6QF
T +44 1604 490580
F +44 1604 648446
info-uk@benthin.com

Benthin Systèmes E.U.R.L
27, Avenue de Montboulon
FR-77165 St. Soupplets
T +33 1 60 61 56 56
F +33 1 60 01 57 11
info@benthin.fr

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