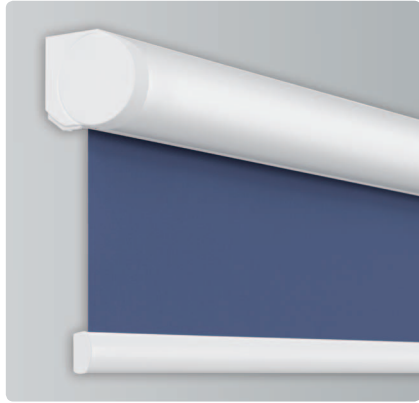


ROLLER BLINDS





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** 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

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

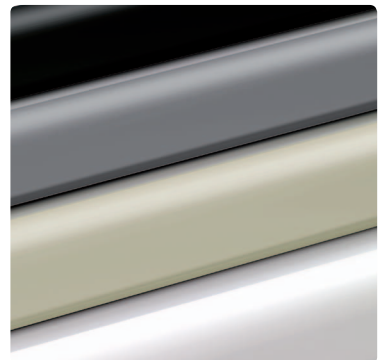
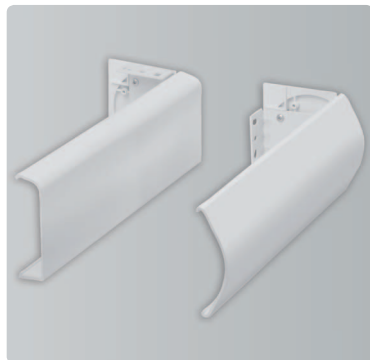
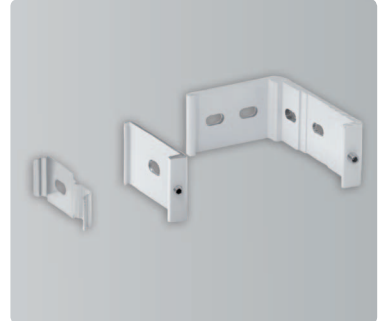
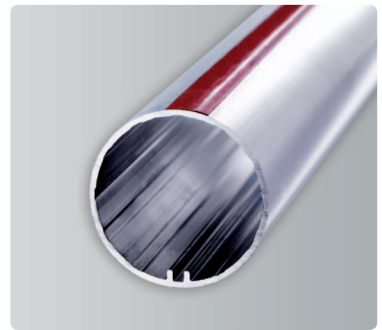
A round, two-piece cassette fits in perfectly with the surroundings and can be mounted quickly and effortlessly on the wall or ceiling using clips.

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 embaseure, or on the floor for that matter. The cord holder 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 and square cassettes with coordinated tube shafts and control options make the medium roller blind system the perfect solution for virtually every need.

For optimum dim-out the fabric is guided in the side profile by means of the bottom bar end caps. Tight brushes can also be inserted in the rails.

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

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. An unobtrusive chain stopper and elegant chain connector, which can also be used as a stopper, are available to match.

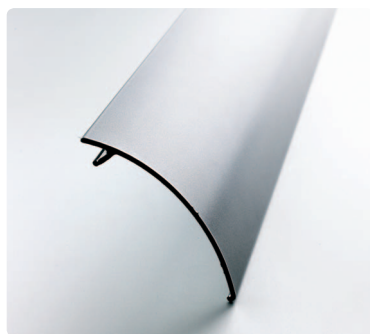
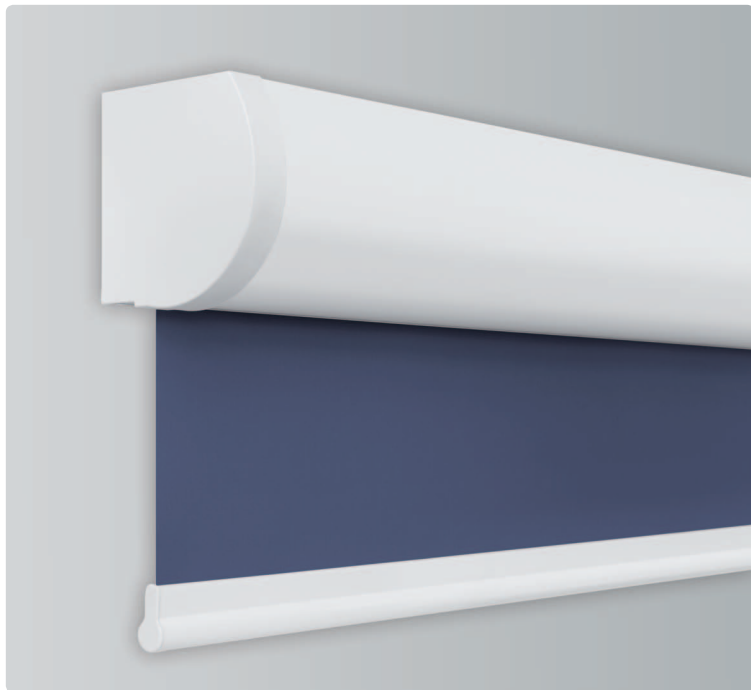
In addition to the **spring operation** there is also the option of **crank operation** for larger loads and improved safety. With this option a double end stop makes it possible to set a top position as well as the bottom position.

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.

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.

The system also includes flexible cover and cassette options, as well as side guides to meet every requirement.

A sophisticated shaft system with three 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** 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.

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 to be aligned and positioned accurately.

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

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

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



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.

TYPEOVERVIEW ROLLER BLINDS

Roller Blinds System												
	Roller Blinds Small - RS			Roller Blinds Medium - RM								
	Bracket	Fixing profile	Cassette round	Bracket	Fixing profile	Cassette round	Cassette angular	Cover flat Bracket	Cover flat fixing profile	Cover round Bracket	Cover round fixing profile	
max. dimension	1,80 x 2,50 m	1,80 x 2,50 m	1,80 x 2,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	2,80 x 3,00 m	
Operation	Chain	RS01	RS11	RS21	RM01	RM11	RM21	RM31	RM41	RM61	RM51	RM71
	Spring	RS02	RS12	RS22	RM02	RM12	RM22	RM32	RM42	RM62	RM52	RM72
	Cord	RS05	RS15									
	Motor			RS26	RM06	RM16	RM26	RM36	RM46	RM66	RM56	RM76
	Crank				RM07	RM17	RM27		RM47	RM67	RM57	RM77
Side guiding	Cord guiding	RS01 RS05	RS11 RS15	RS21 RS26	RM01 RM06 RM07	RM11 RM16 RM17	RM21 RM26 RM27	RM31 RM36	RM41 RM46 RM47	RM61 RM66 RM67	RM51 RM56 RM57	RM71 RM76 RM77
	Side profile			RS21 RS26			RM21 RM26 RM27	RM31 RM36				
Others	Coupling				RM01 RM06 RM07	RM11 RM16 RM17	RM21 RM26 RM27	RM31 RM36	RM41 RM46 RM47	RM61 RM66 RM67	RM51 RM56 RM57	RM71 RM76 RM77

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.

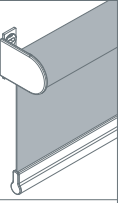
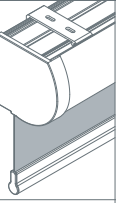
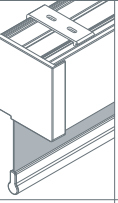
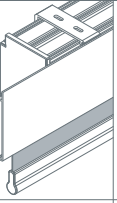
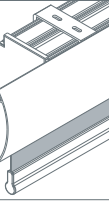
Assembly

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

Installation instructions

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

Roller Blinds Large – RL

Bracket	Cassette round	Cassette angular	Cover flat fixing profile	Cover round fixing profile
				
4,00 x 4,00 m	4,00 x 4,00 m	4,00 x 4,00 m	4,00 x 4,00 m	4,00 x 4,00 m
RL01	RL21	RL31	RL61	RL71
RL06	RL26	RL36	RL66	RL76
RL07	RL27	RL37	RL67	RL77
RL01 RL06 RL07	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77
	RL21 RL26 RL27	RL31 RL36 RL37		
RL01 RL06 RL07	RL21 RL26 RL27	RL31 RL36 RL37	RL61 RL66 RL67	RL71 RL76 RL77

Roller Blinds Small – RS

- Width : max. 1.80 m
- Height Cassette round : max. 2.00 m
- Height Bracket/Fixing profile : max. 2.50 m
- Brake capacity : max. 2.5 kg
- Tube shaft : $\varnothing 20/\varnothing 29$ mm
- Closing profile : 11 x 23 mm
- Bracket : 55 x 39 mm
- Cassette round : 63 x 57 mm

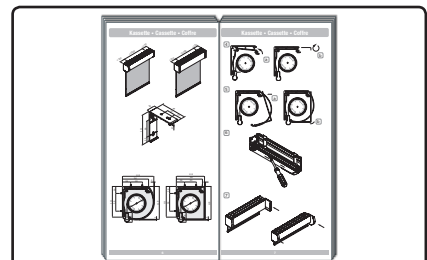
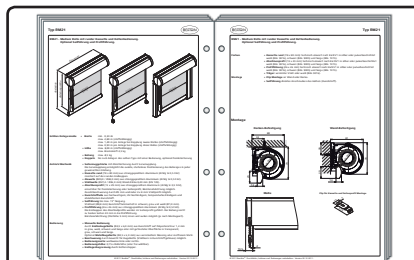
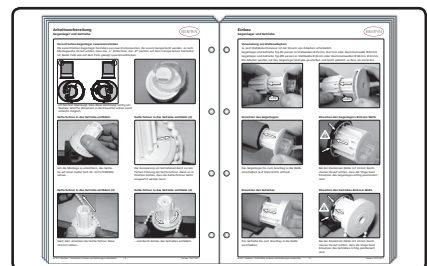
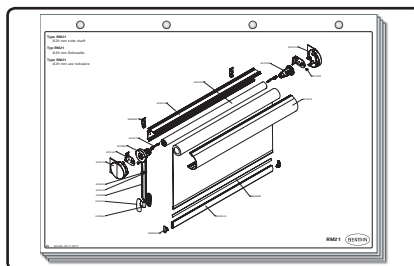
Roller Blinds Medium – RM

- Width : max. 2.80 m
- Height : max. 3.00 m
- Brake capacity : max. 5.0 kg
- Tube shaft : $\varnothing 29/\varnothing 38/\varnothing 44$ mm
- Closing profile : 13 x 29 mm
- Bracket : 64 x 55 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 : $\varnothing 43/\varnothing 52/\varnothing 65$ mm
- Closing profile : 18 x 36 mm
- Closing profile : 14 x 28 mm
- Bracket : 85 x 60 mm
- Cassette round : 118 x 113 mm
- Cassette angular : 118 x 102 mm

Rollers Small and Medium • S & M - Rollos • Rouleaux S & M				RSM 11	
Accessories	Part No.	Color	Tube Shaft	Weight	Quantity
Basic profile • Basicprofil • Profil de base / 40 x 50 mm	5.0 m	0000	20 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 50 mm	5.0 m	0001	29 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 50 mm	5.0 m	0002	29 mm	50 m	B
Basic profile • Basicprofil • Profil de base / 40 x 50 mm	5.0 m	0003	29 mm	50 m	B
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 40 x 54 mm	5.0 m	0004	20 mm	50 m	A
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 40 x 54 mm	5.0 m	0005	29 mm	50 m	A
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 40 x 54 mm	5.0 m	0006	29 mm	50 m	B
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 40 x 54 mm	5.0 m	0007	29 mm	50 m	B
Basic profile • Basicprofil • Profil de base / 40 x 63 mm	5.0 m	0008	20 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 63 mm	5.0 m	0009	29 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 63 mm	5.0 m	0010	29 mm	50 m	B
Basic profile • Basicprofil • Profil de base / 40 x 63 mm	5.0 m	0011	29 mm	50 m	B
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 52 x 75 mm	5.0 m	0012	20 mm	50 m	A
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 52 x 75 mm	5.0 m	0013	29 mm	50 m	A
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 52 x 75 mm	5.0 m	0014	29 mm	50 m	B
Front profile, cassette round • Frontprofil, Kassette rund • Profil de face, coffre rond / 52 x 75 mm	5.0 m	0015	29 mm	50 m	B
Basic profile • Basicprofil • Profil de base / 40 x 72 mm	5.0 m	0016	20 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 72 mm	5.0 m	0017	29 mm	50 m	A
Basic profile • Basicprofil • Profil de base / 40 x 72 mm	5.0 m	0018	29 mm	50 m	B
Basic profile • Basicprofil • Profil de base / 40 x 72 mm	5.0 m	0019	29 mm	50 m	B





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

Benthin
Pondwood House
Pondwood Close
Moulton Park Ind. Estate
Northampton NN3 6RT
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. Souplets
T +33 1 60 61 56 56
F +33 1 60 01 57 11
info@benthin.fr