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.
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.
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.
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.
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.
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 configure the models with bill of materials and pricing.
## Type Overview Roller Blinds

### Roller Blinds Small - RS

<table>
<thead>
<tr>
<th>Bracket</th>
<th>Fixing profile</th>
<th>Cassette round</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS01</td>
<td>RS11</td>
<td>RS21</td>
</tr>
<tr>
<td>RS02</td>
<td>RS12</td>
<td>RS22</td>
</tr>
<tr>
<td>RS05</td>
<td>R515</td>
<td>RS26</td>
</tr>
</tbody>
</table>

### Roller Blinds Medium - RM

<table>
<thead>
<tr>
<th>Bracket</th>
<th>Fixing profile</th>
<th>Design</th>
<th>Cassette round</th>
<th>Design</th>
<th>Cassette</th>
<th>Cover flat</th>
<th>Cover flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM01</td>
<td>RM11</td>
<td>RM11</td>
<td>RM21</td>
<td>RM31</td>
<td>RM41</td>
<td>RM61</td>
<td></td>
</tr>
<tr>
<td>RM02</td>
<td>RM12</td>
<td>RM12</td>
<td>RM22</td>
<td>RM32</td>
<td>RM42</td>
<td>RM62</td>
<td></td>
</tr>
<tr>
<td>RM05</td>
<td>RM15</td>
<td></td>
<td>RS11 RM01 RM11 RM21 RM31 RM41 RM61</td>
<td></td>
<td>RS02 RS12 RM02 RM12 RM22 RM32 RM42 RM62</td>
<td>RS05 RS15</td>
<td>RS21 RS26</td>
</tr>
<tr>
<td></td>
<td>RM06</td>
<td>RM16</td>
<td>RM26</td>
<td>RM36</td>
<td>RM46</td>
<td>RM66</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RM07</td>
<td>RM17</td>
<td>RM27</td>
<td>RM47</td>
<td>RM67</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operation**
- **Chain**
- **Spring**
- **Cord**
- **Motor**
- **Crank**

**Side Guiding**
- **Cord guiding**
- **Side profile**
- **Duo-Roller**
- **Roman blind**
- **Metal Rollers**
- **Recess profile**
- **Coupling**

**Max. dimensions (depending on type and fabric):**
- Roller Blinds Small - RS: 1.80 x 2.50 m
- Roller Blinds Medium - RM: 2.80 x 3.00 m

**Other Options:**
- **Akkudesign**
- **RM11-Duo**
- **RM16-Duo**
- **RM11-Metall**
- **RM11-Metall**
### Roller Blinds Large – RL

<table>
<thead>
<tr>
<th>Cover round bracket</th>
<th>Cover round fixing profile</th>
<th>Bracket</th>
<th>Fixing profile</th>
<th>Cassette round</th>
<th>Cassette angular</th>
<th>Cover flat fixing profile</th>
<th>Cover round fixing profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM51</td>
<td>RM71</td>
<td>RL01</td>
<td>RL11</td>
<td>RL21</td>
<td>RL31</td>
<td>RL61</td>
<td>RL71</td>
</tr>
<tr>
<td>RM52</td>
<td>RM72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RM56</td>
<td>RM76</td>
<td>RL06</td>
<td>RL16</td>
<td>RL26</td>
<td>RL36</td>
<td>RL66</td>
<td>RL76</td>
</tr>
<tr>
<td>RM57</td>
<td>RM77</td>
<td>RL07</td>
<td>RL17</td>
<td>RL27</td>
<td>RL37</td>
<td>RL67</td>
<td>RL77</td>
</tr>
<tr>
<td>RM51</td>
<td>RM56</td>
<td>RM57</td>
<td>RM71</td>
<td>RM76</td>
<td>RM77</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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