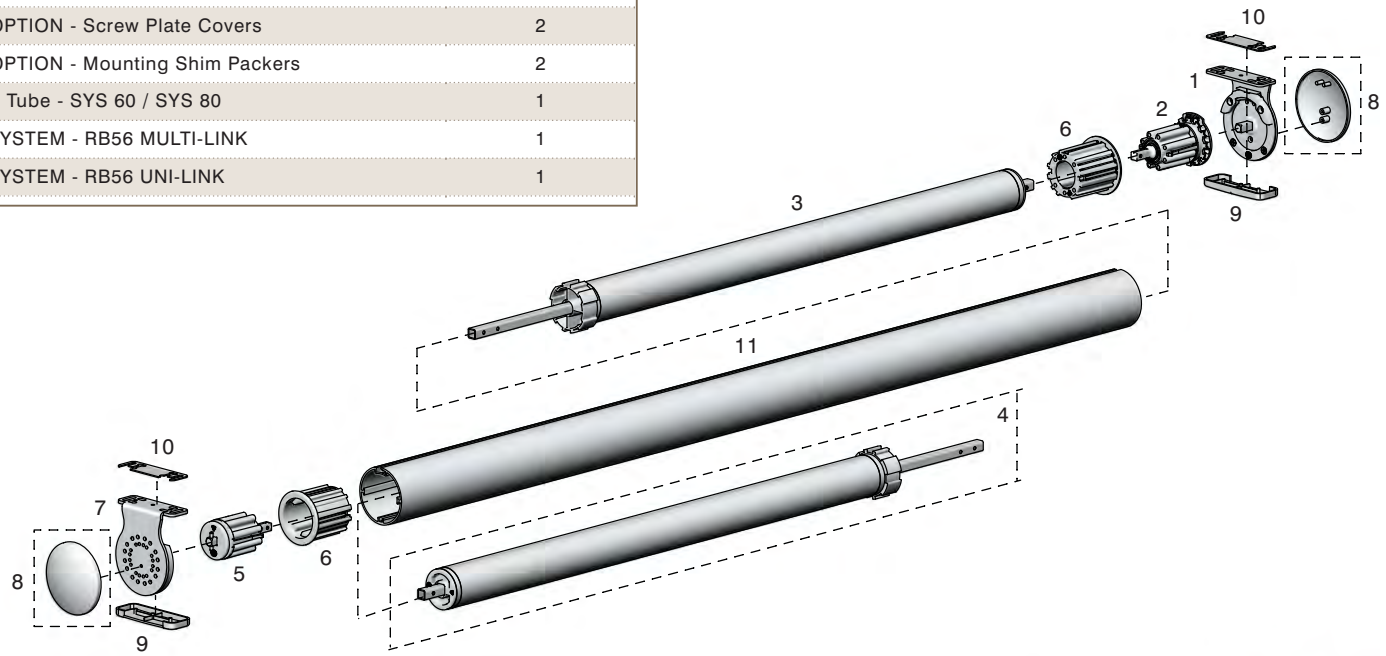
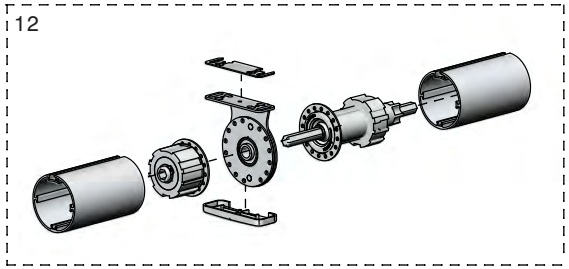
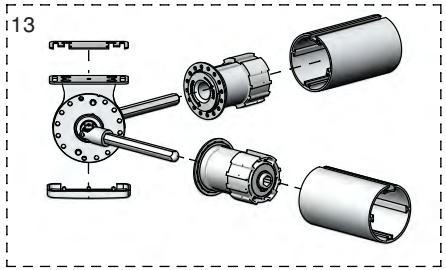
RB10 HEAVY DUTY SYSTEM - SCHEMATIC

ITEM NO.	DESCRIPTION	QUANTITY
1	Winder Bracket Kit - Universal Fix	1
2	Chain Winder - Universal	1
3	Booster - Attached to Chain Winder	1
4	SYSTEM OPTION - Booster Attached to Idler	1
5	Idler/Booster Head - Universal	1
6	Tube Adapters	2
7	Idler Booster Bracket Kit - Universal Fix	2
8	SYSTEM OPTION - 'M50' Motor Bracket Covers	2
9	SYSTEM OPTION - Screw Plate Covers	2
10	SYSTEM OPTION - Mounting Shim Packers	2
11	Aluminium Tube - SYS 60 / SYS 80	1
12	ADD ON SYSTEM - RB56 MULTI-LINK	1
13	ADD ON SYSTEM - RB56 UNI-LINK	1

CONTENTS







SYSTEM OPTIONS

Due to the various options available in the RB10 System the first step is to establish the following:

- Tube Size - SYS 60 or 80
- Type of Booster/s - LIGHT, STANDARD or HEAVY
- Number of Boosters
- Direction of Booster/s - LH or RH

Pre-Tension Charts have been provided (see page 16-17) to guide the manufacturer in establishing which system options are required.

Please note the following specifications when determining whether LH or RH Boosters are required:

- RH Control / Standard Roll - RH Booster
- LH Control / Standard Roll - LH Booster
- RH Control / Over Roll - LH Booster
- LH Control / Over Roll - RH Booster

INSTRUCTIONAL GUIDELINES

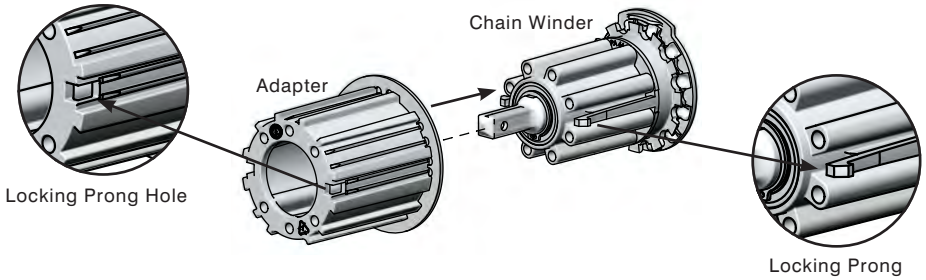
For Instructional purposes the following options are shown:

- SYS 60 Aluminium Tube
- 60mm Tube Adapters
- Standard Roll
- RH Control
- STANDARD Booster - RH
- BOOSTER attached to Chain Control
- BOOSTER attached to Idler (SYSTEM OPTION)
- Top Fix Installation
- Face Fix Installation (SYSTEM OPTION)
- Bracket Cover Caps (SYSTEM OPTION)

STEP 1 - ASSEMBLING TUBE ADAPTER - CHAIN WINDER

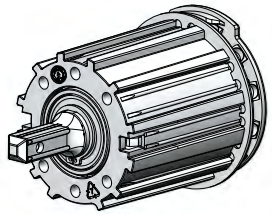
The RB10 Chain Winder is Universal in its fitment and requires the relevant Tube Adapter once the Tube size has been established. In this example SYS 60mm Aluminium Tube is specified therefore a 60mm Tube Adapter is required for assembly.

- Align the Adapter onto the Chain Winder ensuring the Prongs on the Chain Winder lock in place as shown.



STEP 1 - ASSEMBLING TUBE ADAPTER - CHAIN WINDER

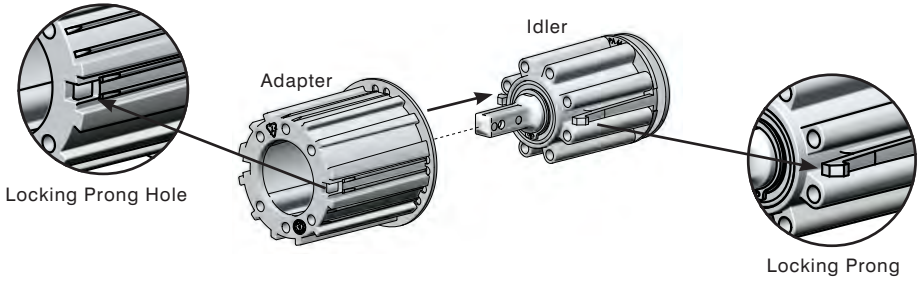
A click will be heard when the locking prong on the Chain Winder engages. The Chain Winder is now assembled.



STEP 2 - ASSEMBLING TUBE ADAPTER - IDLER

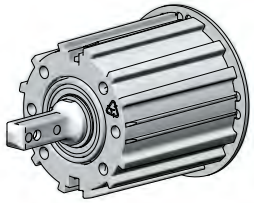
The RB10 Idler is also Universal in its fitment and requires the relevant Tube Adapter once the Tube size has been established. In this example SYS 60mm Aluminium Tube is specified therefore a 60mm Tube Adapter is required for assembly.

- Align the Adapter onto the Idler ensuring the Prongs on the Idler lock in place as shown.



STEP 2 - ASSEMBLING TUBE ADAPTER - IDLER

A click will be heard when the locking prong on the Idler engages. The Idler is now assembled.



STEP 3 - TYPE OF BOOSTER REQUIRED - CHAIN WINDER

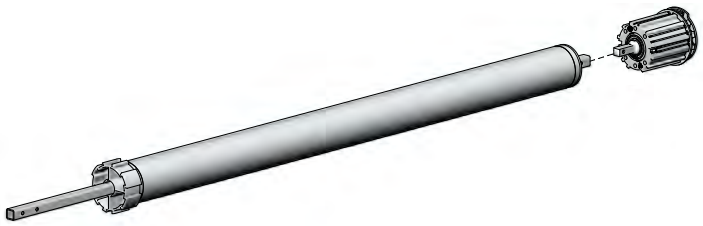
With the Chain Winder & 60mm Tube Adapter assembled the next step is to establish what type of booster is required, specifically the Strength and Direction.

- Refer to the Pre-Tensioning Charts to establish what strength Booster is required. (See Page 16-17)
- When choosing the direction of the Booster please follow the table below:

Control - RH
Roll Type - Standard
Booster - RH

Control - LH
Roll Type - Standard
Booster - LH

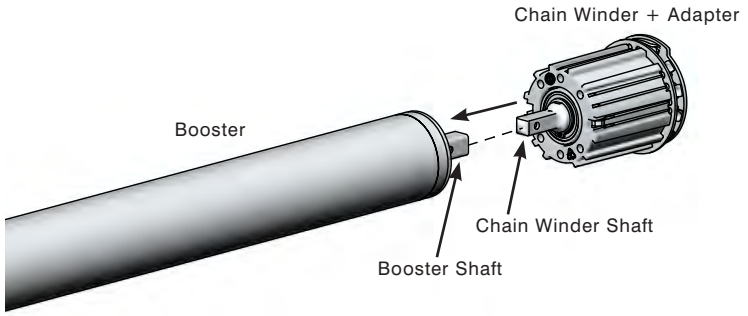
- As this example is for a RH Control on a Standard Roll, a RH Booster is therefore required.



STEP 4 - ATTACHING BOOSTER - CHAIN WINDER

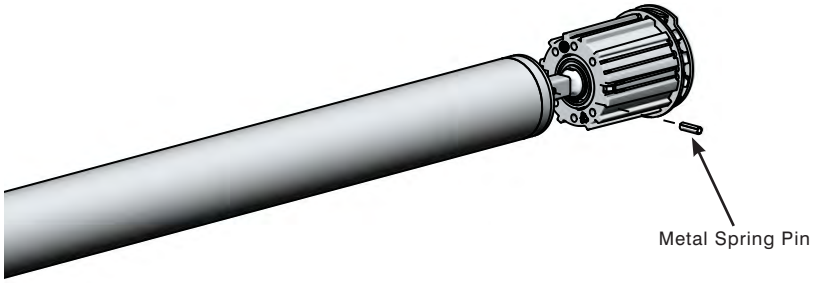
With the required Booster established it may now be attached to the Chain Winder.

- Insert the Chain Winder Shaft into the opening of the Booster Aluminium Shaft ensuring that the holes on both shafts are aligned.
- The End of the Booster with the short shaft is attached to the Chain Winder.



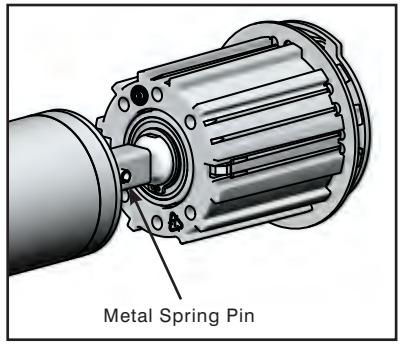
STEP 4 (CONT) - ATTACHING BOOSTER - CHAIN WINDER

- With the Chain Winder & Booster attached insert the Metal Spring Pin provided into the aligned holes to lock both components in place.



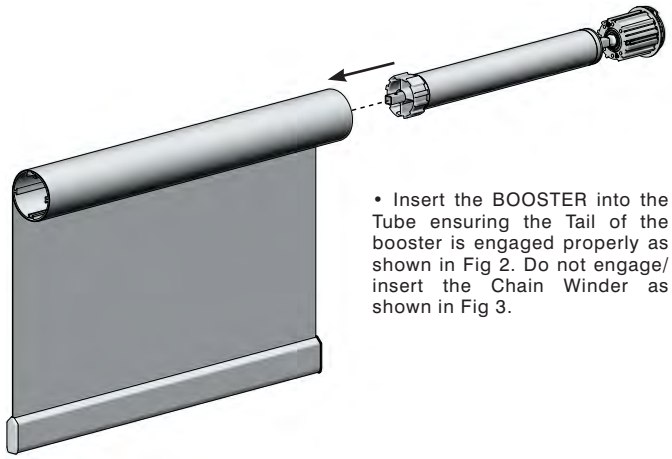
STEP 4 (CONT) - ATTACHING BOOSTER - CHAIN WINDER

- Ensure the Metal Spring Pin is pushed all the way in and is flush with the Booster Shaft.



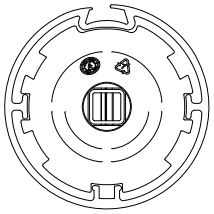
STEP 5 - BLIND ASSEMBLY - BOOSTER

Once the Chain Winder and Booster are attached, assembly of the Blind may begin.

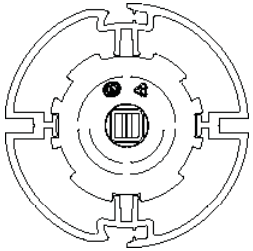


• Insert the BOOSTER into the Tube ensuring the Tail of the booster is engaged properly as shown in Fig 2. Do not engage/ insert the Chain Winder as shown in Fig 3.

Fig 2

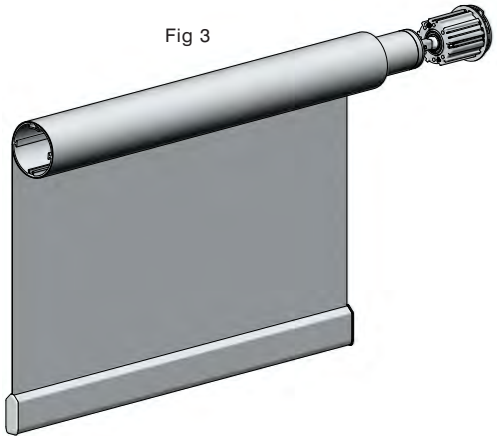


Booster Tail installed in SYS 60 Tube



Booster Tail installed in SYS 80 Tube

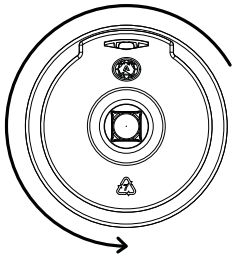
Fig 3



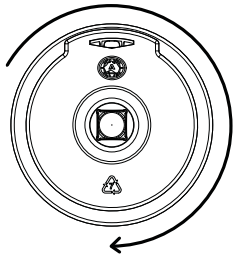
STEP 6 - PRE-TENSIONING BOOSTER - CHAIN WINDER

The Booster may now be Pre-Tensioned by rotating the Chain Winder as outlined below.

The following Pre-Tension Directions apply depending on the Control Side of the Blind.



Control - RH
Roll Type - Standard
Chain Winder + RH Booster
Direction - Counter-Clockwise

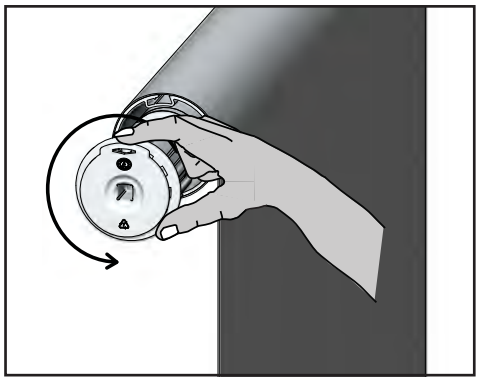


Control - LH
Roll Type - Standard
Chain Winder + LH Booster
Direction - Clockwise

In the case of Over Roll applications please apply the opposite configurations to the above.

STEP 6 (CONT) - PRE-TENSIONING BOOSTER - CHAIN WINDER

• As this is a RH Control rotate the Chain Winder Counter Clockwise using your hand with the required number of turns established using the Pre-Tensioning Charts. (See Page 16-17)



PLEASE NOTE: Once tensioned do not let go of the Chain Winder as this will release the pre-tensions applied and can cause injury.

Acmeda

STEP 7 - BLIND ASSEMBLY - CHAIN WINDER

With the Booster Pre-Tensioned with the required number of turns the Chain Winder can be inserted into the Tube.

- Whilst holding the Chain Winder to ensure it does not unwind and lose the pre-tensions applied, insert it into the Tube ensuring the Adapter on the Chain Winder is engaged properly as shown in Fig 2. **Once fixed into the Tube the Clutch in the Chain Winder will ensure the Booster does not unwind and lose its Pre-Tension.**

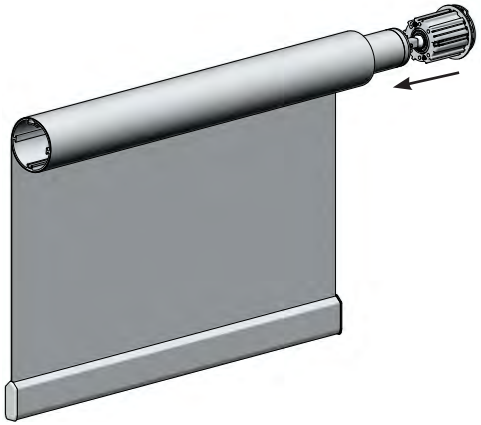
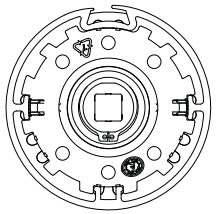
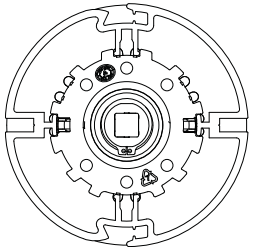


Fig 2

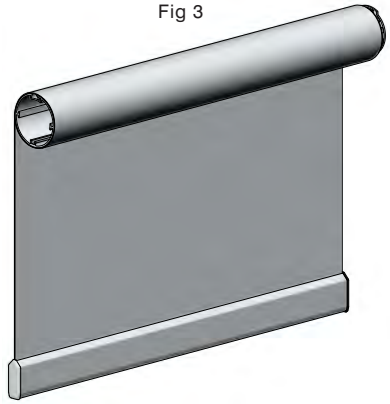


Chain Winder + Adapter installed in SYS 60 Tube



Chain Winder + Adapter installed in SYS 80 Tube

Fig 3



STEP 8 - BLIND ASSEMBLY - IDLER

With the Chain Winder & Booster inserted in the Tube the Idler may now be installed.

- Insert the Bearing Idler into the Tube as shown below ensuring the Adapter on the Idler is engaged properly as shown in Fig 2.

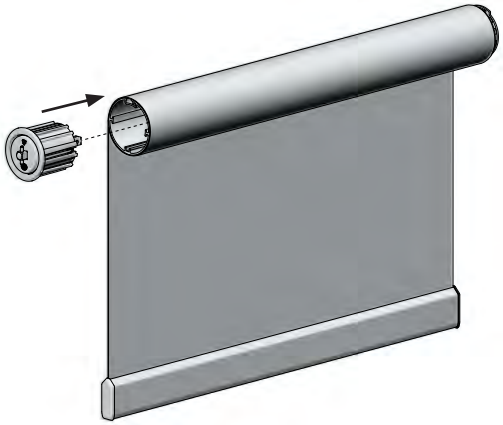
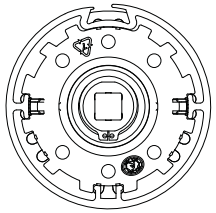
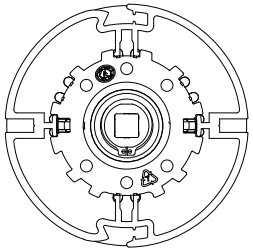


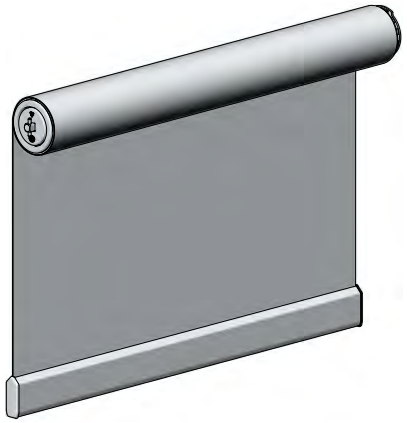
Fig 2



Idler + Adapter installed in SYS 60 Tube

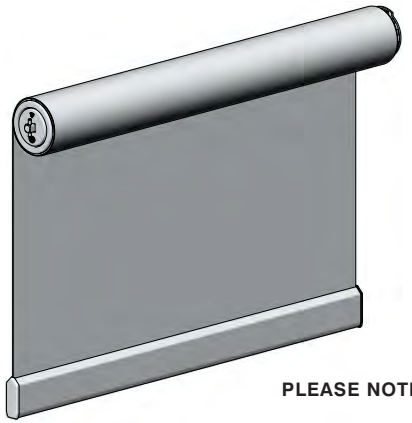


Idler + Adapter installed in SYS 80 Tube



STEP 9 - BLIND ASSEMBLY - INSERTING CHAIN

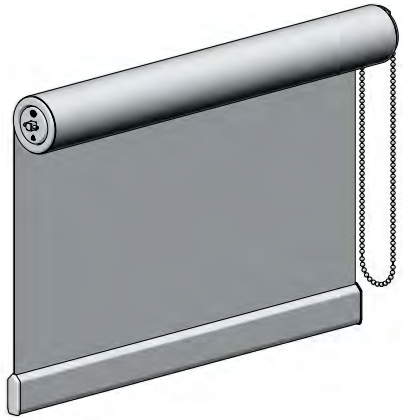
With the Chain Winder + Booster and Idler assembled in the Tube the required Operation Chain can now be engaged onto the Chain Winder.



PLEASE NOTE: ONLY USE #10 PLASTIC OR METAL CHAIN

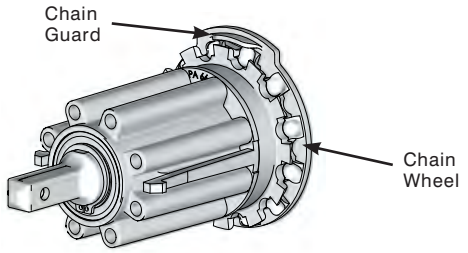
STEP 9 (CONT) - BLIND ASSEMBLY - INSERTING CHAIN

With the Chain now inserted onto the Chain Winder the Blind is ready for installation.

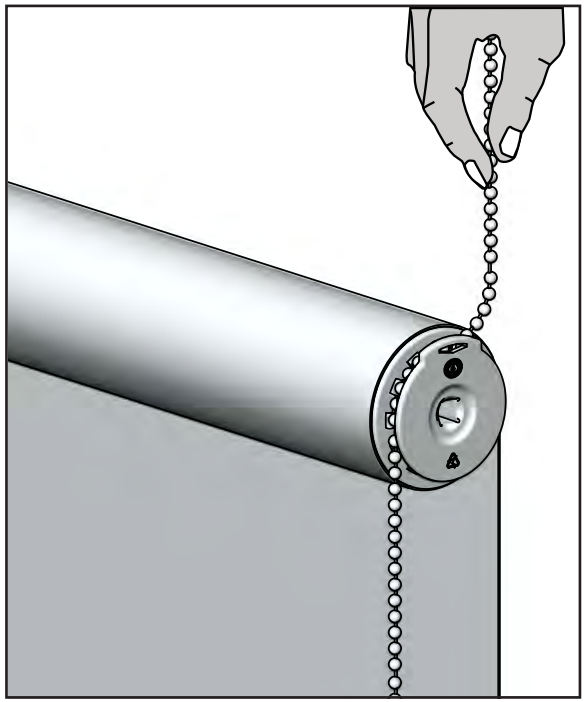


STEP 9 (CONT) - BLIND ASSEMBLY - INSERTING CHAIN

- Locate the Chain on the Chain Wheel of the Chain Winder.



- Drag the Chain towards you so that it clips under the Chain Guard.

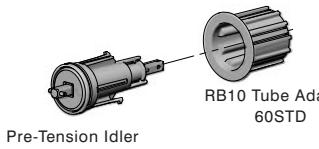


DETERMINE SYSTEM

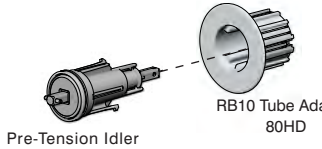
The Pre-Tension Idler has been designed to attach to the RB10 booster, and features a tension lock allowing for easier assembly & installation.

The Pre-Tension Idler is available in a Left hand & Right hand version.

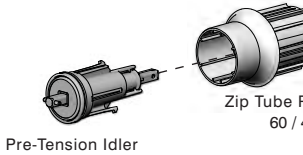
The following systems require components as outlined below:



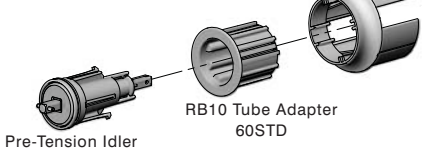
Spring Assist
SYS60 | 60STD Tube



Spring Assist
SYS60 | 80HD Tube



Zip System
SYS60 | 60STD Tube

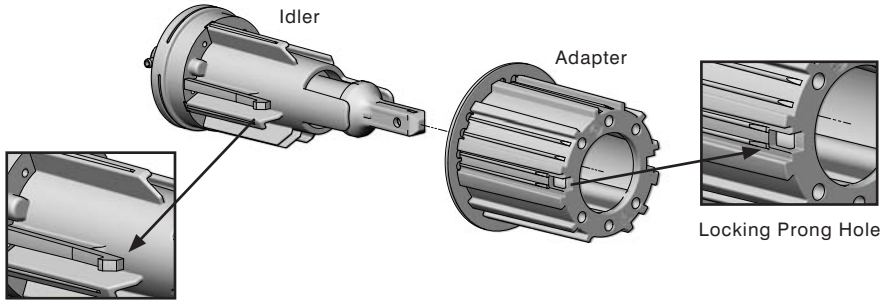


Zip System
SYS60 | 80HD Tube

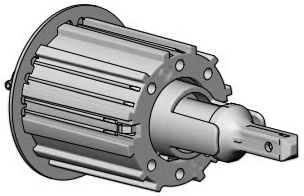
STEP 1 - ASSEMBLING TUBE ADAPTER ONTO IDLER

The RB10 Pre-Tension Idler is Universal in its fitment and requires the relevant Tube Adapter once the Tube size has been established. This diagram illustrates a Spring Assist SYS60 | 60STD Tube System.

• Align the Adapter onto the Idler ensuring the Prongs on the Idler lock in place as shown.

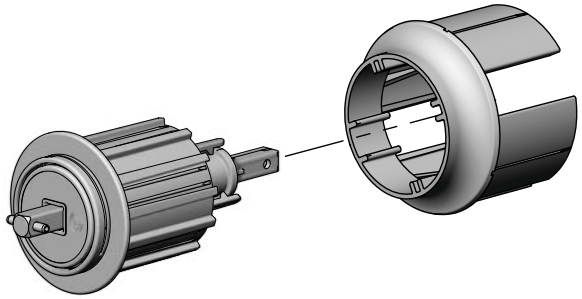


A click will be heard when the locking prong on the Idler engages.
The Idler & adapter are now assembled.



STEP 2 - ATTACH ZIP TUBE REDUCER (IF REQUIRED)

With the Pre-Tension Idler & tube adapter locked into place, you can now attach the Zip Tube reducer. This diagram illustrates a Zip System SYS60 | 80HD Tube System.



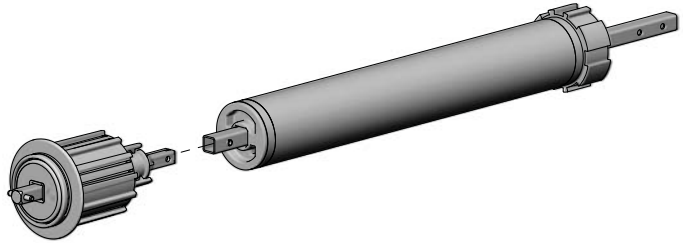
STEP 2 (CONTINUED) - ATTACH ZIP TUBE REDUCER (IF REQUIRED)

Pre-Tension Idler, Tube adapter & Zip Tube reducer assembled.

STEP 3 - ATTACHING IDLER TO BOOSTER

The Pre-Tension Idler & tube adapter are now ready to be attached to the booster.

- Refer to the Pre-Tensioning Charts to establish what strength Booster is required.



STEP 3 (CONTINUED)- ATTACHING IDLER TO BOOSTER

- With the Idle end & Booster attached insert the Metal Spring Pin provided into the aligned holes to lock both components in place.

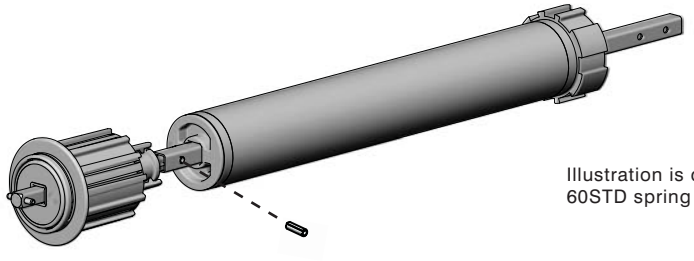


Illustration is depictive of 60STD spring system

- Ensure the Metal Spring Pin is pushed all the way in and is flush with the Booster Shaft.

STEP 4 - INSERT BOOSTER INTO TUBE

- Insert the Booster and Idler into the Tube ensuring the Tail of the Booster is engaged properly as shown in Fig 2.

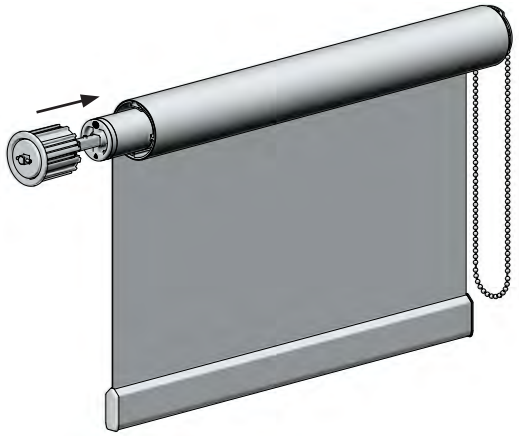
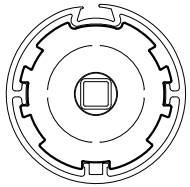
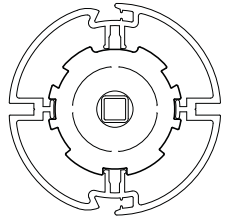


Fig 2



Booster Tail installed
in SYS60 | 60STD Tube

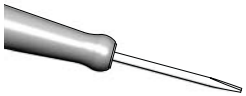


Booster Tail installed
in SYS60 | 80HD Tube

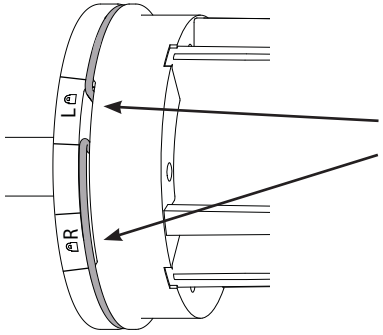
STEP 5 - LOCKING & UNLOCKING PRE-TENSION IDLER

With the Idler & booster inserted into the tube, you can now prepare for pre-tensioning. The idler must be in the locked position to hold and control tension.

The locking mechanism ensures there is no danger of losing the springs tension.

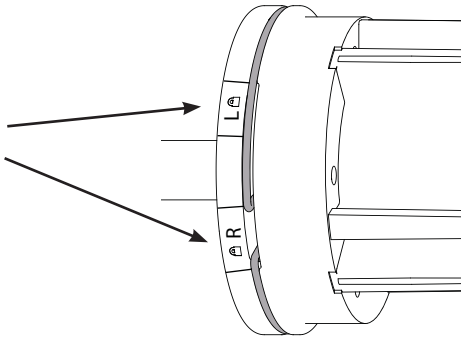


- The clip can be adjusted using a flat head screw-driver



LH Spring attachment
in LOCKED position.
To UNLOCK shift to RH

- Left hand and Right hand locking positions are outlined on idler.

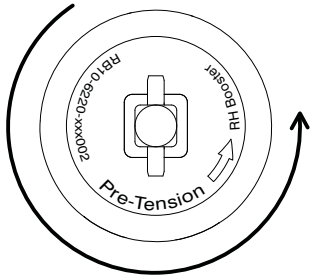


RH Spring attachment
in LOCKED position.
To UNLOCK shift to LH

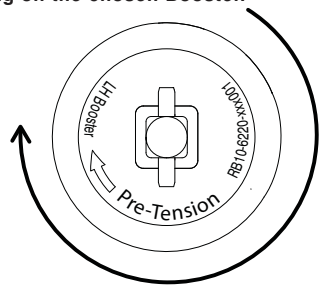
STEP 6 - PRE-TENSIONING

The Idler may now be Pre-Tensioned by rotating the shaft as outlined below.

The following Pre-Tension directions apply depending on the chosen Booster.



Booster - RH
Roll Type - Standard
Idler + RH Booster Direction - Counter-Clockwise



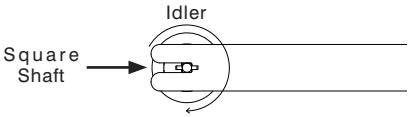
Booster - LH
Roll Type - Standard
Idler + LH Booster Direction - Clockwise

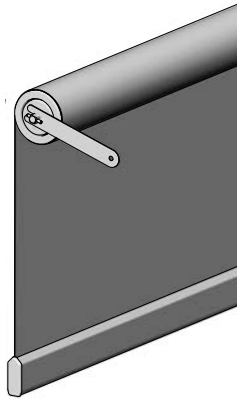
In the case of Over Roll applications please apply the opposite configurations to the above.

STEP 6 (CONTINUED)- PRE-TENSIONING

In this example a RH Control is shown with a LH Booster attached to the Idler, therefore the Booster must be Pre-Tensioned in a Clockwise Direction.

- Rotate the Square Shaft on the Idler using the RB10 Spanner with the required number of turns which has been established using the Pre-Tensioning Charts.

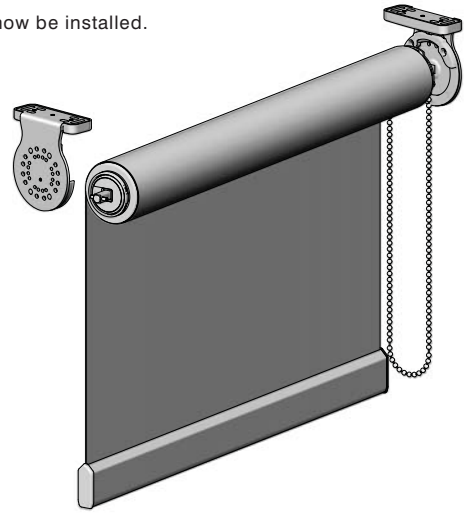




- Pliers or a shifter can also be used to pre-tension.

STEP 7 - INSTALL BLIND

The blind can now be installed.



STEP 8 - UNLOCKING IDLER / FINALISING INSTALLATION

Once the blind is installed into place, the Idler must now be UNLOCKED to allow for operation.

Refer Step 5 for locking & unlocking positions.

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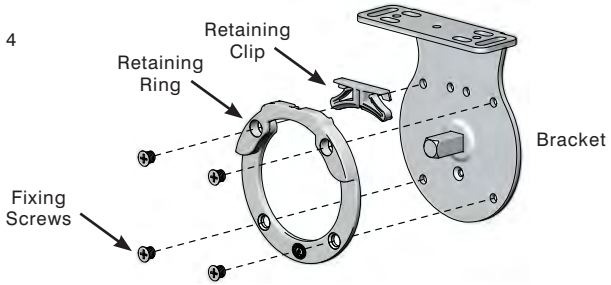
STEP 1 - BRACKET ASSEMBLY - WINDER BRACKET KIT

With all required components now assembled in the Blind the next step is to assemble the Brackets.

The Winder Bracket is supplied in a kit ready to assemble for either Face Fix or Top Fix Installations.

There are 4 parts supplied:

- Bracket
- Retaining Ring
- Retaining Clip
- Fixing Screws x 4

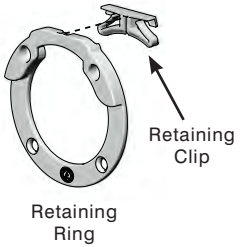


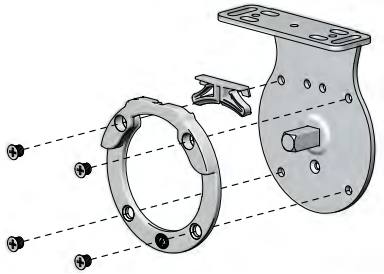
Winder Bracket Kit

TOP FIX — STEP 1 - BRACKET ASSEMBLY - WINDER BRACKET KIT

In this example a Top Fix installation and a Right Hand Control is shown.

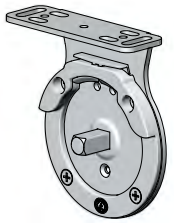
- Fit the Retaining Clip into the Retaining Ring.





- Fix the Retaining Clip/Ring to the Bracket with the screws provided. Ensure the Retaining Clip is at the top of the Bracket.

- The Bracket is now ready for Top Fix Installation.

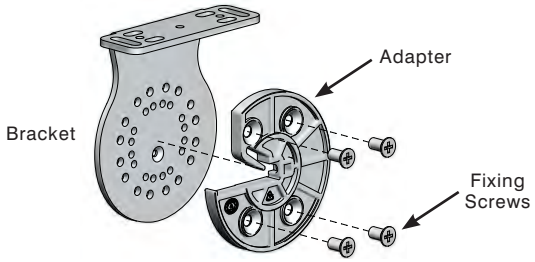


STEP 2 - BRACKET ASSEMBLY - IDLER/BOOSTER BRACKET KIT

The Idler/Booster Bracket is supplied in a kit ready to assemble for either Face Fix or Top Fix Installation.

There are 3 parts supplied:

- Bracket
- Adapter
- Fixing Screws x 4

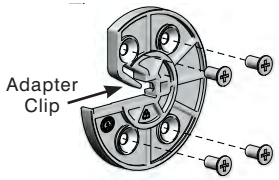


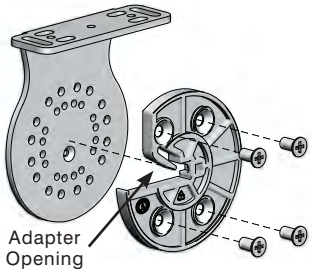
Idler/Booster Bracket Kit

TOP FIX — STEP 2 - BRACKET ASSEMBLY - IDLER/BOOSTER BRACKET KIT

In this example a Top Fix installation and the Idler Bracket on the Left Hand Side is shown.

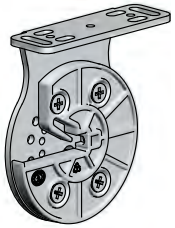
- Ensure the Adapter Clip is angled Downwards.





- Fix the Adapter to the Bracket with the screws provided. Ensure the Adapter Opening is facing outwards.

- The Bracket is now ready for Top Fix Installation.

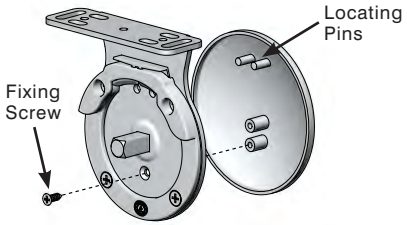


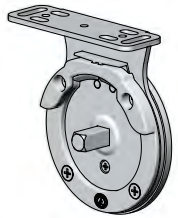
Acmeda

TOP FIX — **STEP 3 - BRACKET ASSEMBLY - COVER CAPS**

In some instances Cover Caps for the Brackets are required and these must be installed before the Blind is fitted. The 'M50' Bracket Cover Caps are used for both the Winder & Idler Bracket.

- Place the Cap on the Bracket ensuring the two Locating Pins fit into the holes on the Bracket.
- Now fix the screw which will align with the bottom hole on the Cover Cap.



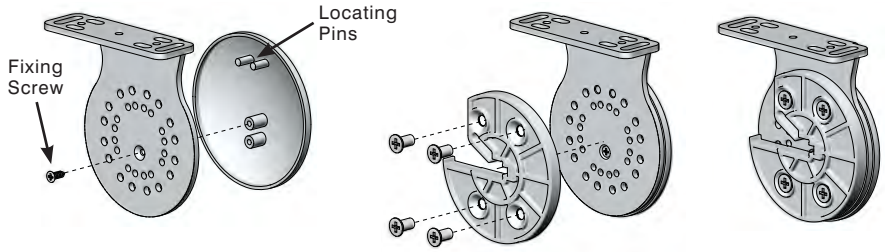


Winder Bracket Kit

TOP FIX — **STEP 3 (CONT) - BRACKET ASSEMBLY - COVER CAPS**

When fixing the 'M50' Bracket Cover Cap to the Idler Bracket the Cap must be installed before the Adapter is assembled on the Bracket.

- Place the Cap on the Bracket ensuring the two Locating Pins fit into the holes on the Bracket. Then fix the screw which will align with the upper hole on the Cover Cap.
- The Adapter can now be fitted into its required position.

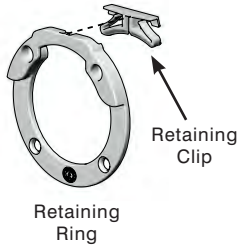


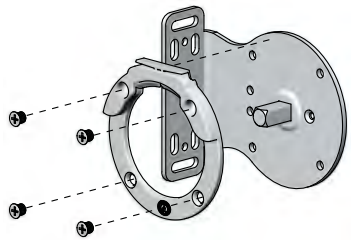
Idler / Booster Bracket Kit

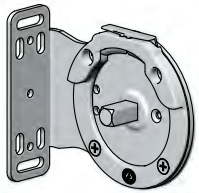
FACE FIX — **STEP 4 - BRACKET ASSEMBLY - WINDER BRACKET KIT**

The other option for Blind installations is Face Fix. For this a different configuration is required when assembling the Winder Bracket. In this example a Right Hand Control Face Fix configuration is shown.

- Fit the Retaining Clip into the Retaining Ring.
- The Bracket is now ready for Face Fix Installation.





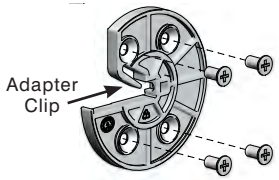


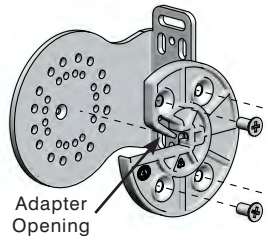
- Fix the Retaining Clip/Ring to the Bracket with the screws provided. Ensure the Retaining Clip is at the top of the Bracket.

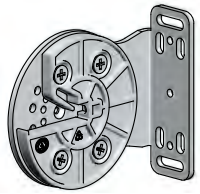
FACE FIX — **STEP 5 - BRACKET ASSEMBLY - IDLER/BOOSTER BRACKET KIT**

In this example a Face Fix installation and the Idler Bracket on the Left Hand Side is shown.

- Ensure the Adapter Clip is angled Downwards.
- The Bracket is now ready for Face Fix Installation.





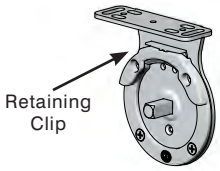


- Fix the Adapter to the Bracket with the screws provided. Ensure the Adapter Opening is facing outwards.

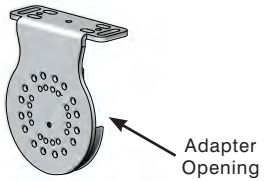
STEP 6 - BRACKET MOUNTING - TOP FIX

With the Brackets assembled they are now ready for mounting for a Top Fix Installation

- Mount the Brackets in the desired position using suitable screws depending on the fixing surface.



- Ensure the Retaining Clip is at the Top of the Bracket.

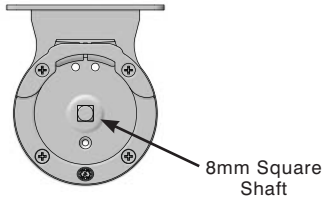


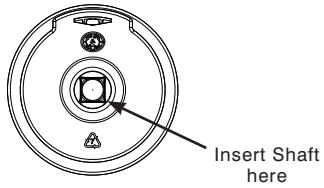
- Ensure the Adapter Opening is facing outwards.

STEP 7 - INSTALLING BLIND - WINDER BRACKET

When installing the Blind always fit the Control Side first.

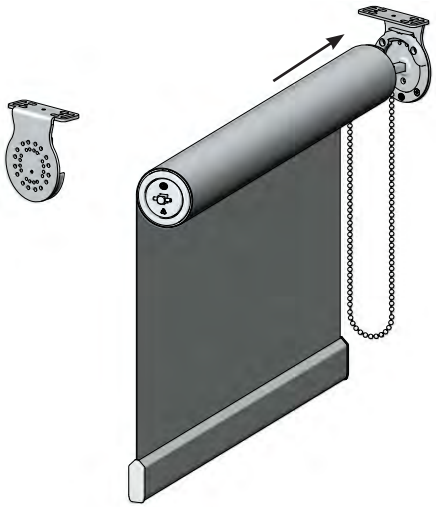
- The Control Bracket has an 8mm Square Shaft protruding from it. The Chain Winder needs to be inserted onto this shaft.





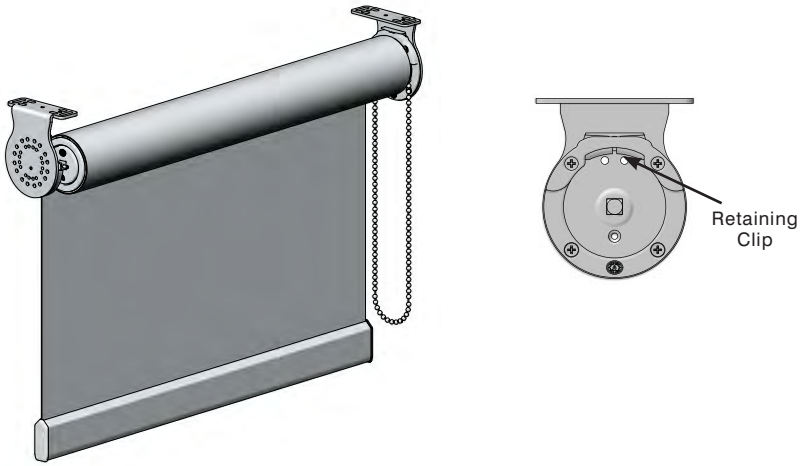
STEP 7 (CONT) - INSTALLING BLIND - WINDER BRACKET

- Insert the Chain Winder into the 8mm Square Shaft of the Winder Bracket.



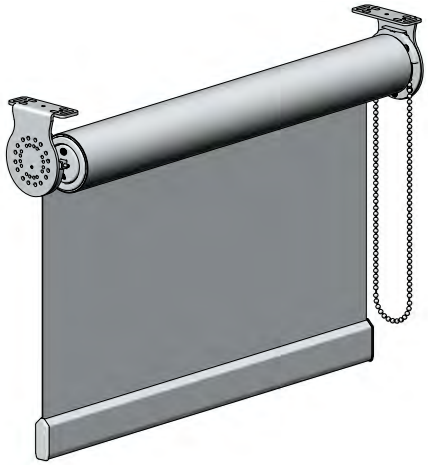
STEP 7 (CONT) - INSTALLING BLIND - WINDER BRACKET

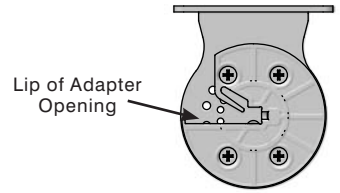
- Push the Chain Winder all the way into the Shaft until the Retaining Clip locks into the Chain Winder. You will hear a click when it is locked in.

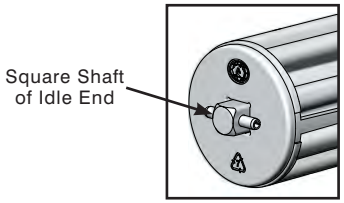


STEP 8 - INSTALLING BLIND - IDLER / BOOSTER BRACKET

- At the same time when locking the Chain Winder into the Winder Bracket rest the Square Shaft of the Idle End on the lip of the Adapter Opening.

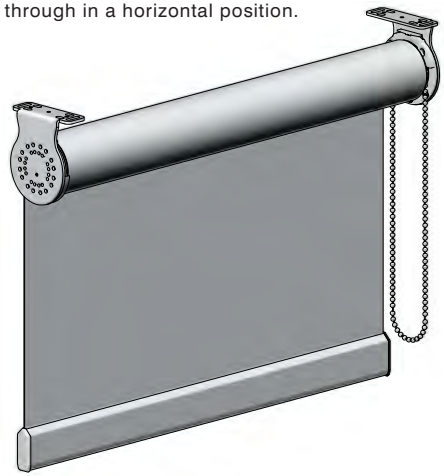


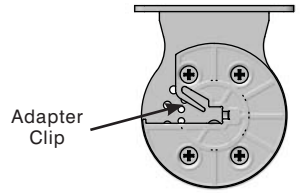


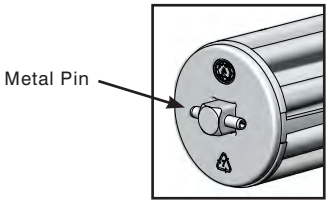


STEP 8 - INSTALLING BLIND - IDLER / BOOSTER BRACKET

- Now push the Square Shaft of the Idle End through the Adapter Opening and past the Adapter Clip. When this is done ensure the Metal Pin which protrudes from both ends of the Square Shaft is slid through in a horizontal position.

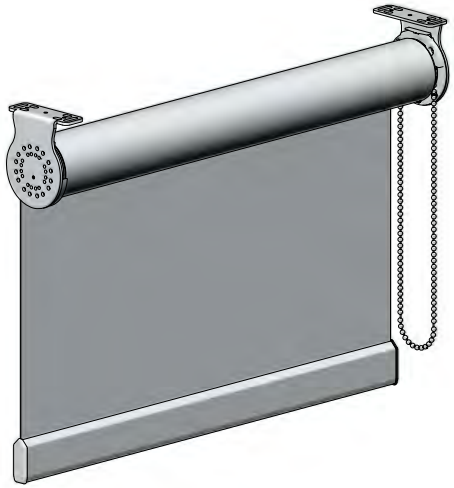






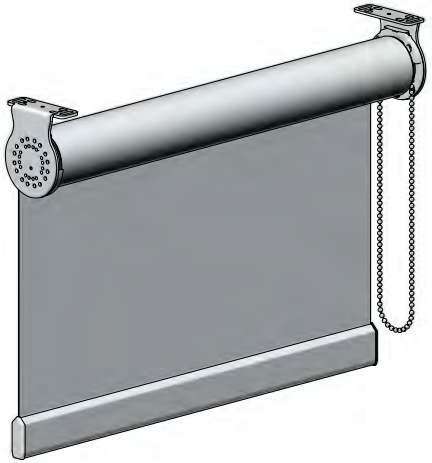
STEP 9 - BLIND TESTING

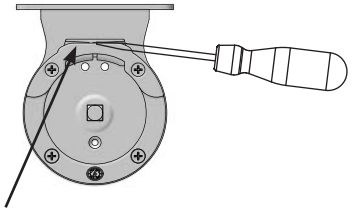
With the Blind now assembled the next step is to test the operation of the Blind to ensure the correct number of pre-tensions have been applied and that the Blind is operating smoothly.



STEP 1 - BLIND REMOVAL - WINDER BRACKET

- To remove the Blind first the Retaining Clip must be lifted using a Flat Head Screwdriver so that it unlocks the Chain Winder from the Winder Bracket.

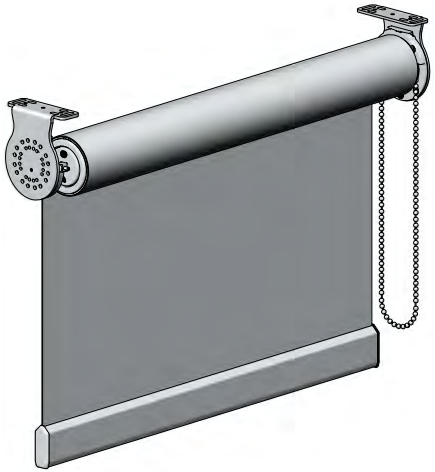


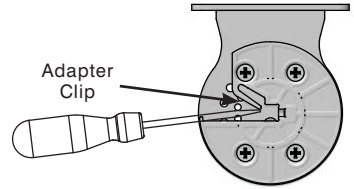


- When the Retaining Clip is lifted it will remain in this positiion until pushed down again ensuring the Chain Winder stays disengaged.

STEP 2 - BLIND REMOVAL - IDLER/BOOSTER BRACKET

- The next step is to disengage the Idle End from the Idler Bracket. Once again using a Flat Head Screw Driver lift the Adapter Clip and slowly slide the Idler out.





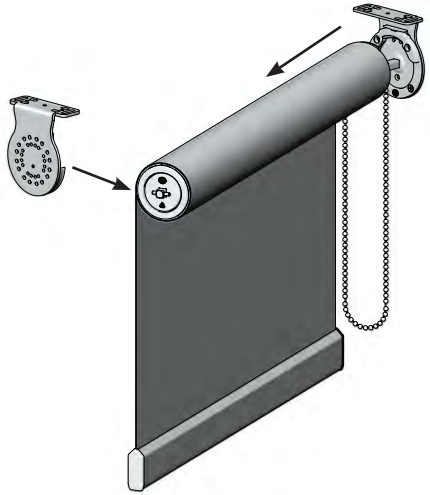
- Once again rest the Square Shaft of the Idler on the Lip of the Adapter.

STEP 3 - BLIND REMOVAL

The Blind is now disengaged at both ends of the Brackets and is ready to be taken down.

- Begin by lifting the Idle End of the Blind off the Adapter Lip and pulling the Blind towards you.

- In the same motion pull the Control End of the Blind off the Square Shaft of the Winder Bracket.



PRE-TENSION CHART - SYS 60 ALUMINIUM TUBE

SPECIFICATIONS:

- SYS 60 Aluminium Tube
- Heavy Duty Weight Bar
- Fabric - 450 g/m2
- (For Fabric 650 g/m2 please refer to Technical Support)

Booster Capacity Chart						Tube = ø60			Fabric = 450 g/m2 x 0.5 mm thick						Weight Bar = 0.58 kg/m					Light				Standard				Heavy				Double Light				Double Standard				Double Heavy												
Wraps	H/W	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	10200	10400	10600	10800	11000	11200	11400	11600	11800	12000	W/H
3	500				6	7	8	9	9	6	6	7	7	8	8	8	9	9	10	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	9	9	9	9	10	10	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	500
3	600				7	7	8	9	9	6	6	7	7	8	8	9	9	9	10	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	9	9	9	9	10	10	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	600
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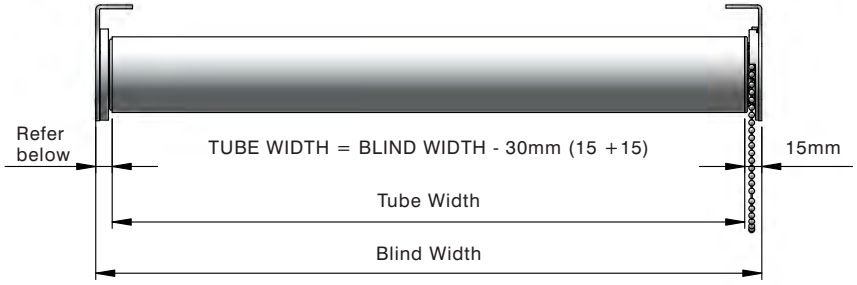
PRE-TENSION CHART - SYS 80 ALUMINIUM TUBE

SPECIFICATIONS:

- SYS 80 Aluminium Tube
- Heavy Duty Weight Bar
- Fabric - 450 g/m2
- (For Fabric 650 g/m2 please refer to Technical Support)

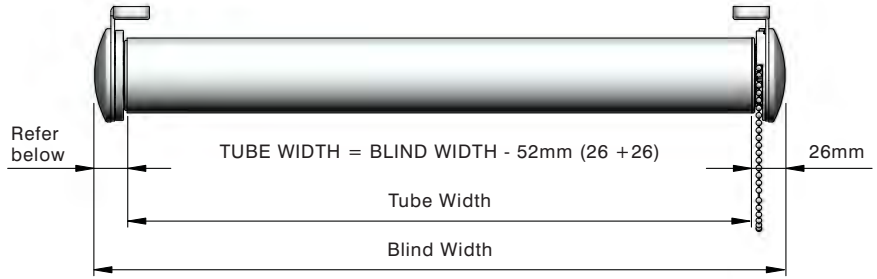
| Booster Capacity Chart | | | | | | Tube = ø80 | | | Fabric = 450 g/m2 x 0.5 mm thick | | | | | | Weight Bar = 0.58 kg/m | | | | | Light | | | | Standard | | | | Heavy | | | | Double Light | | | | Double Standard | | | | Double Heavy | | | | | |

RB10 HEAVY DUTY SYSTEM



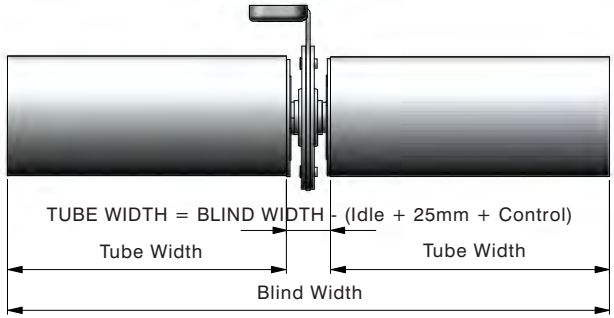
IDLER	DEDUCTION
RB10 Bearing Idler	15mm
RB10 Pre-Tension Idler	20mm

RB10 HEAVY DUTY SYTEM - WITH COVER CAPS

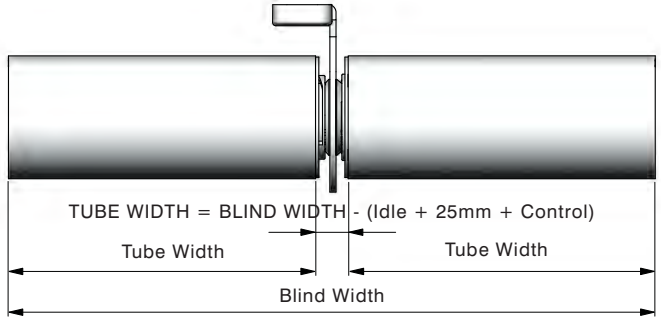


IDLER	DEDUCTION
RB10 Bearing Idler	26mm
RB10 Pre-Tension Idler	31mm

RB10 HEAVY DUTY SYSTEM - MULTI-LINK



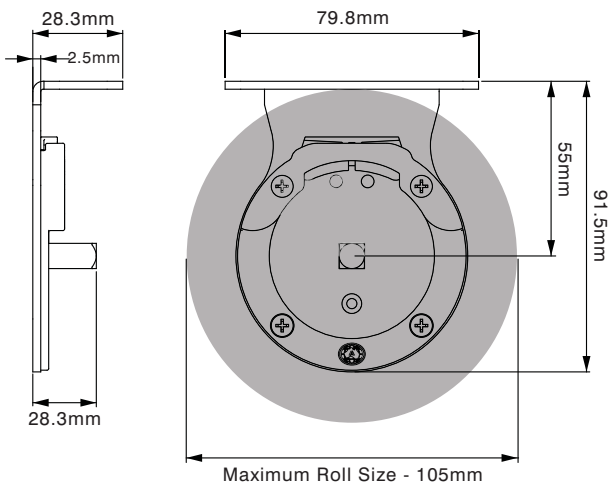
RB10 HEAVY DUTY SYSTEM + NON ADJ BRACKETS - MULTI-LINK



Acmeda

PART F - COMPONENT DIMENSIONS

RB10-6300-xxx001



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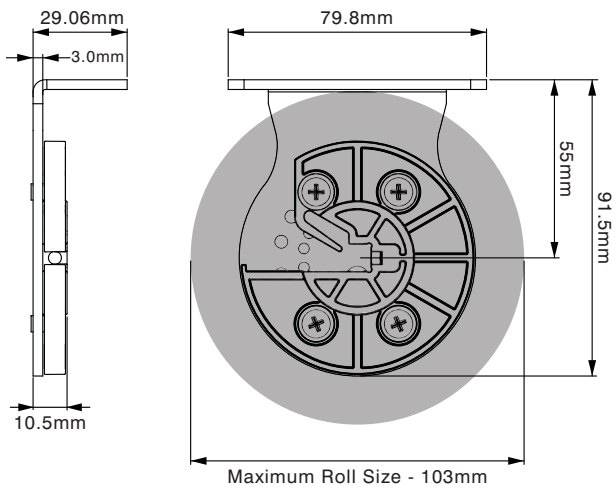

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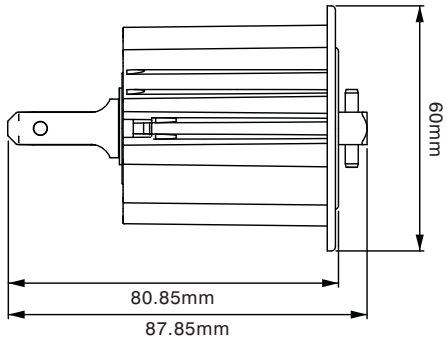

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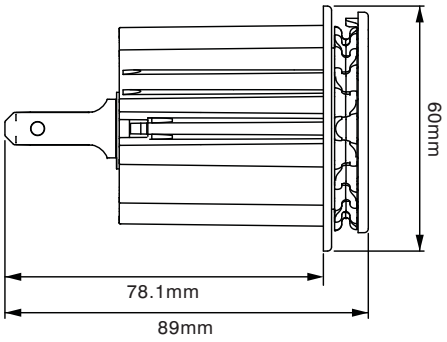

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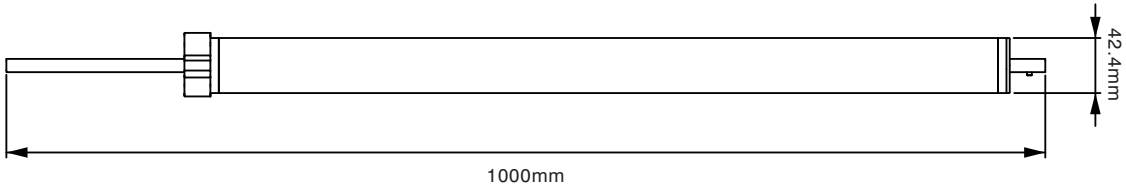

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