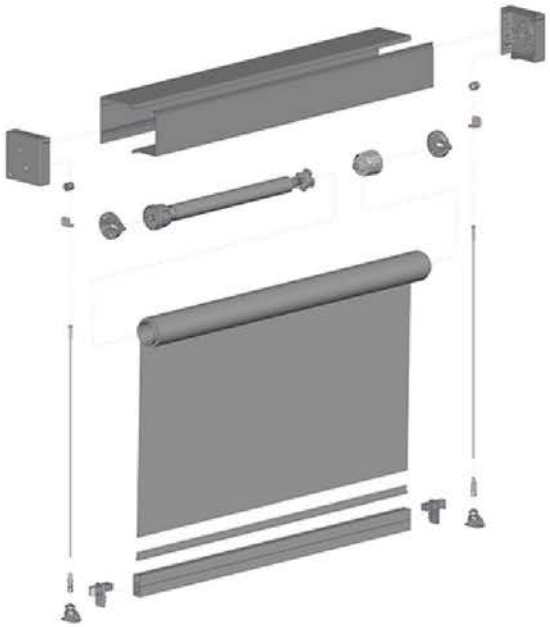
How to install Exterior Wire Guide Roller Blinds.



Tools Required.

- Saw
- Drill
- Screw Driver - Phillips Head and Flat Head
- Jaw Pillars
- Allen Key Set
- Mallet
- Scissors
- Measuring Tape
- Pencil

Check your installation surface in order to identify the most appropriate screws to use. See appendix at the end for a guide to fixing screws to different types of wall constructions.

Please note, we do not provide screws as we are unable to determine the installation surface.

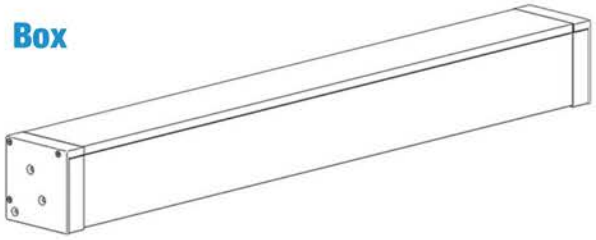
Important Notes.

- Please check that all parts have been supplied before you begin to assemble your new blind
- Do not operate the blind until it is fully installed
- Ensure that the blind is mounted level for correct operation

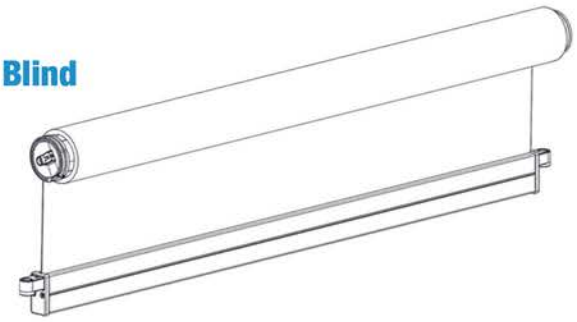
How to install Exterior Wire Guide Roller Blinds.

Parts Included

Box

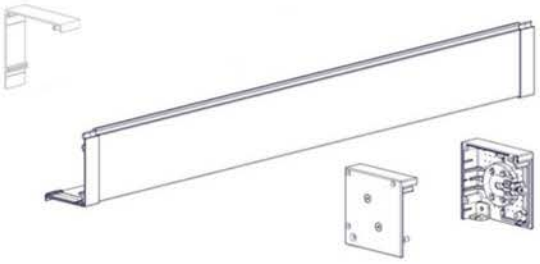


Blind

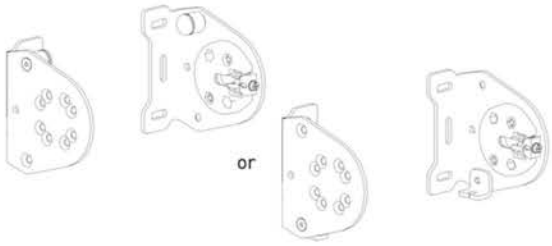


Semi Cover

A Box 120 off-cut may be required to support the front cover over wider spans



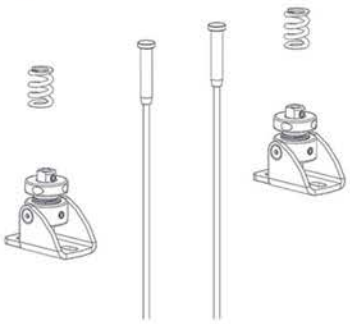
Open Brackets



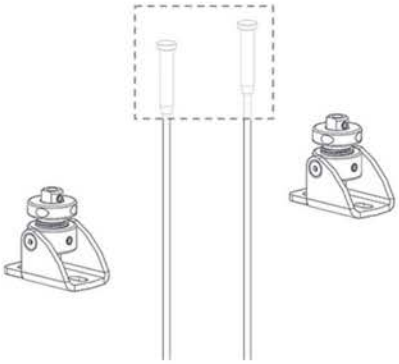
Note: Store clip until required (can be left in adapter as shown)

Wire Guide & Fixing Hardware

Option 1 - Hook Terminal

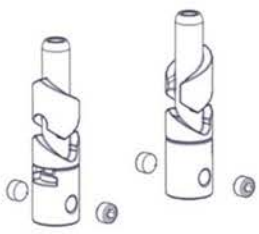


Option 2 - Clamp Terminal

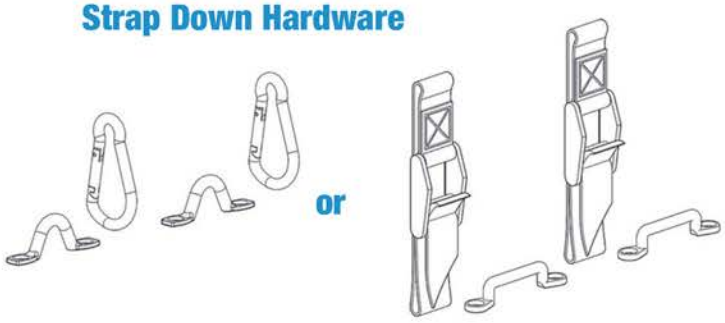


Note: Dome terminal must be cut/ removed for this option

Wire Guide Lock



Strap Down Hardware



How to install Exterior Wire Guide Roller Blinds.

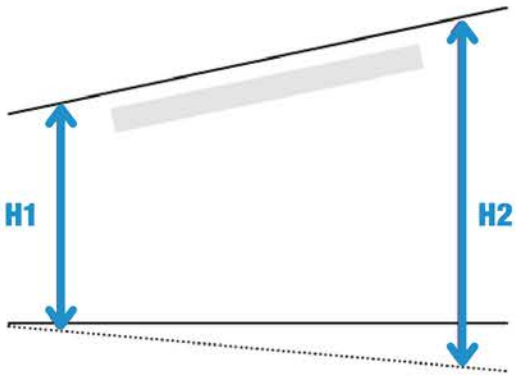
1. Preparing Installation Space

1.1 Check for Obstructions

Check for any obstructions that may interfere in installation.

1.2 Check for Vertical and Horizontal Dimensions

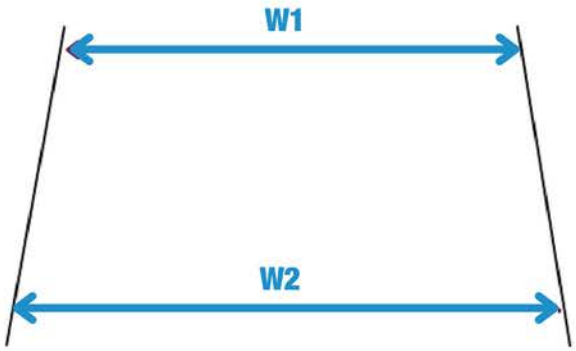
Vertical Dimensions



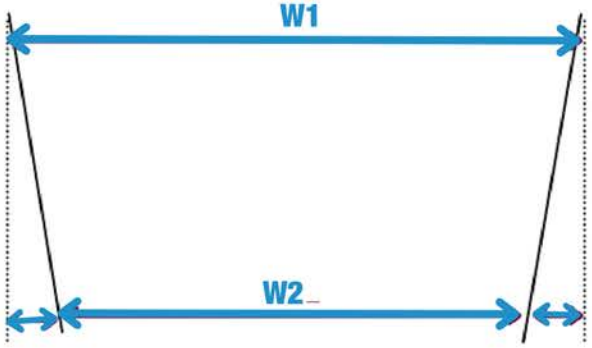
Check if top of installation space is level.

If H1 ≠ H2, corrective actions may need to be considered prior to installation.

Horizontal Dimensions



If ≥ W1, W1 = Blind Width (proceed to Part 2)



If W2 < W1, by a value of: 0-20mm, proceed to Part 2 (W1 = Blind Width) 20+, Consider corrective action to square installation space.

How to install Exterior Wire Guide Roller Blinds.

2. Spring Pre-Tentioning

2.1 Identify Number of Pre-Turns Required for Blind Size.

When inserting the Guide Arms into the Guide Poles, please be sure they are inserted the correct way up as shown in the following illustration.

63mm Tube (F56 Weight Bar)

DROP m	# TURNS	WIDTH 0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	
0.6	3			4	5	11	13	15	17	18	20	22	14	15	16	17	19							24
0.8	4			3	5	11	13	15	17	19	21	23	14	15	17	18	19							32
1.0	5			3	5	11	13	15	17	20	22	24	15	16	17	18	20							40
1.2	6			3	4	11	13	16	18	20	22	25	15	16	17	19	20							48
1.4	6			3	4	11	14	16	18	21	23	14	15	17	18	19								56
1.6	7			3	4	12	14	16	19	21	24	14	16	17	18	20								63
1.8	8			3	4	12	14	17	19	22	24	14	16	17	19	20								71
2.0	9			2	4	12	15	17	20	23	25	15	16	18	19	21								79
2.2	10			2	4	12	15	18	20	23	14	15	17	18	20	22								87
2.4	10			2	4	12	15	18	21	24	14	16	17	19	21									95
2.6	11			2	4	13	16	19	22	12	14	16	18	19	21									103
2.8	12			2	4	13	16	19	22	13	15	16	18	20	10									111
3.0	13			2	4	13	16	20	11	13	15	17	19	21	11									119
3.2	13			2	4	14	17	20	11	13	15	17	19	10	11									126
3.4	14			2	4	14	17	21	12	14	16	18	9	10	11									134
3.6	15			1	4	14	18	10	12	14	16	18	9	10	11									142
3.8	16			1	4	15	18	10	12	14	16	8	9	10										150
4.0	16			1	4	15	19	10	12	15	17	8	9											158
		20	28	32	40	48	56	63	71	79	87	95	103	111	119	126	134	142	150	158	166	174	182	in

Parameters

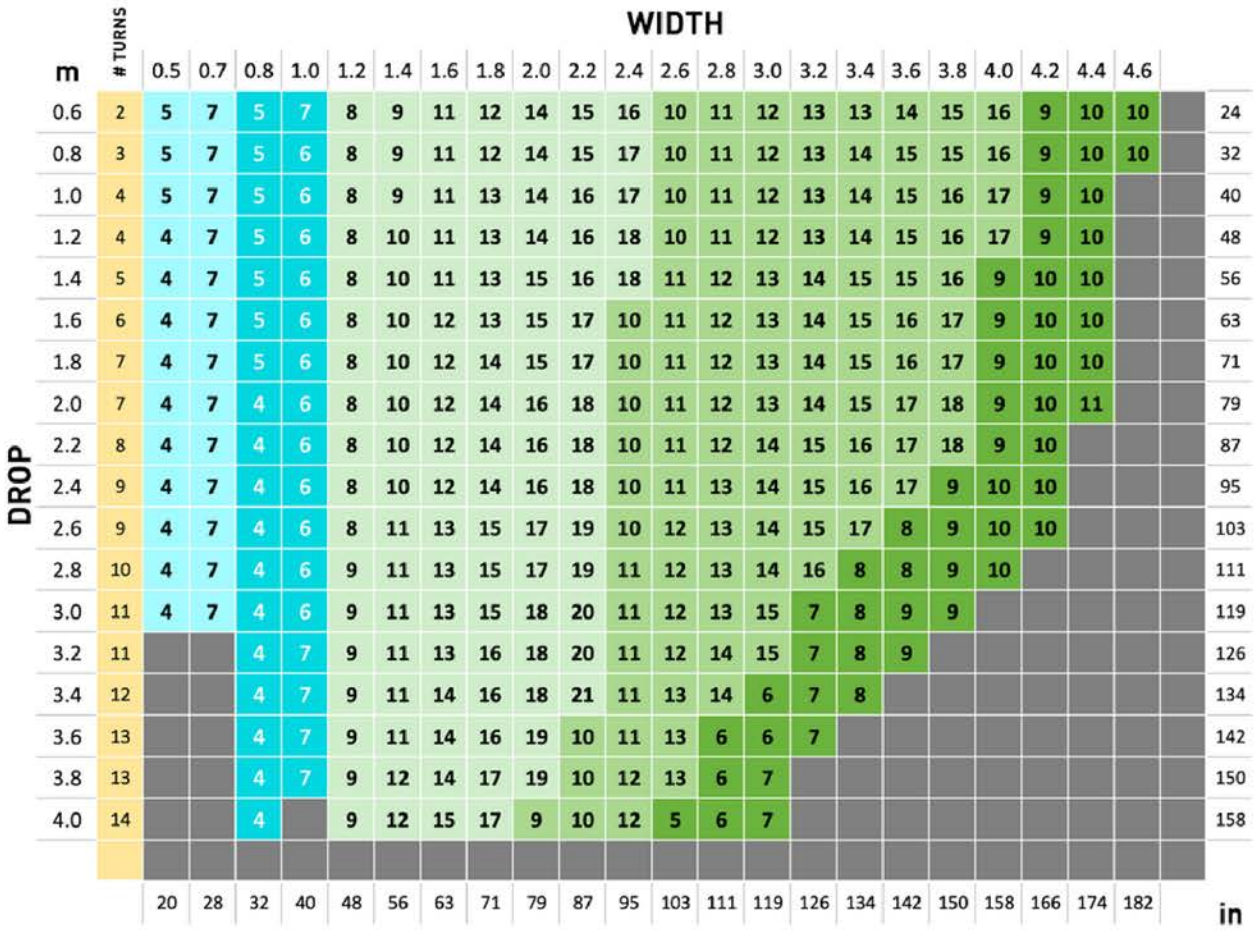
Tube: 63 STD Aluminium Tube
Fabric: 530 gsm (15.63 oz/yd²), 0.8mm Thick
Weight Bar: F56 HD External Weight Bar

Legend	Description	Max Spring Rotation
	Outside Product Specifications	-
	Short RE01 Spring	25
	Light RE01 Spring	40
	Standard RE01 Spring	38
	Heavy Duty RE01 Spring	31

The above charts are indicative only and indicate the minimum number of pre-turns required. Due to variances in fabric weights, additional ballast weight and installations the optimum number of pre-turns will vary. Pre-turns can be adjusted during installation.

How to install Exterior Wire Guide Roller Blinds.

78mm Tube (F56 Weight Bar)



DROP m	# TURNS	WIDTH 0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	
0.6	2	5	7	5	7	8	9	11	12	14	15	16	10	11	12	13	13	14	15	16	9	10	10	24
0.8	3	5	7	5	6	8	9	11	12	14	15	17	10	11	12	13	14	15	15	16	9	10	10	32
1.0	4	5	7	5	6	8	9	11	13	14	16	17	10	11	12	13	14	15	16	17	9	10		40
1.2	4	4	7	5	6	8	10	11	13	14	16	18	10	11	12	13	14	15	16	17	9	10		48
1.4	5	4	7	5	6	8	10	11	13	15	16	18	11	12	13	14	15	15	16	9	10	10		56
1.6	6	4	7	5	6	8	10	12	13	15	17	10	11	12	13	14	15	16	17	9	10	10		63
1.8	7	4	7	5	6	8	10	12	14	15	17	10	11	12	13	14	15	16	17	9	10	10		71
2.0	7	4	7	4	6	8	10	12	14	16	18	10	11	12	13	14	15	17	18	9	10	11		79
2.2	8	4	7	4	6	8	10	12	14	16	18	10	11	12	14	15	16	17	18	9	10			87
2.4	9	4	7	4	6	8	10	12	14	16	18	10	11	13	14	15	16	17	9	10	10			95
2.6	9	4	7	4	6	8	11	13	15	17	19	10	12	13	14	15	17	8	9	10	10			103
2.8	10	4	7	4	6	9	11	13	15	17	19	11	12	13	14	16	8	8	9	10				111
3.0	11	4	7	4	6	9	11	13	15	18	20	11	12	13	15	7	8	9	9					119
3.2	11			4	7	9	11	13	16	18	20	11	12	14	15	7	8	9						126
3.4	12			4	7	9	11	14	16	18	21	11	13	14	6	7	8							134
3.6	13			4	7	9	11	14	16	19	10	11	13	6	6	7								142
3.8	13			4	7	9	12	14	17	19	10	12	13	6	7									150
4.0	14			4		9	12	15	17	9	10	12	5	6	7									158
		20	28	32	40	48	56	63	71	79	87	95	103	111	119	126	134	142	150	158	166	174	182	in

Parameters

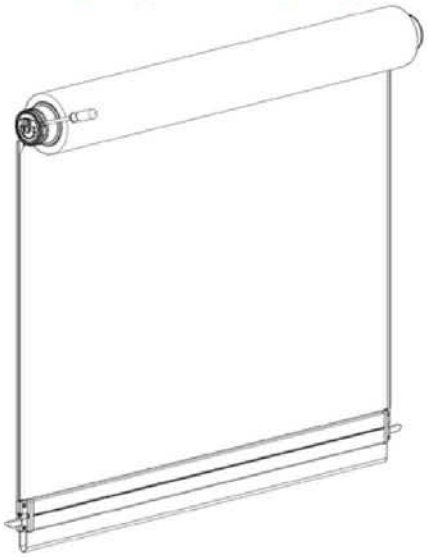
Tube: 78 HD Aluminium Tube (includes 78 AL STD &
Fabric: 78 STEEL)
Weight Bar: 530 gsm (15.63 oz/yd^2), 0.8mm Thick
F56 HD External Weight Bar

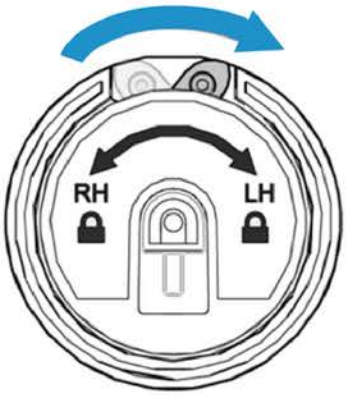
Legend	Description	Max Spring Rotation
	Outside Product Specifications	-
	COMPACT RE01 Spring	25
	Short RE01 Spring	25
	Standard RE01 Spring	38
	Heavy Duty RE01 Spring	31
	X-Heavy RE01 Spring	25

The above charts are indicative only and indicate the minimum number of pre-turns required. Due to variances in fabric weights, additional ballast weight and installations the optimum number of pre-turns will vary. Pre-turns can be adjusted during installation.

How to install Exterior Wire Guide Roller Blinds.

2.2 Lock Spring Head at Spring End

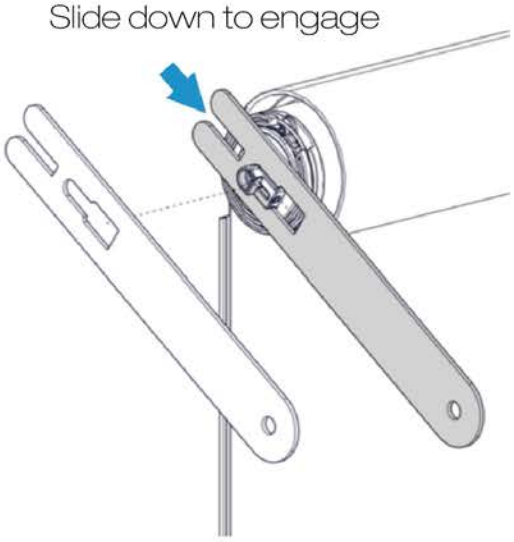


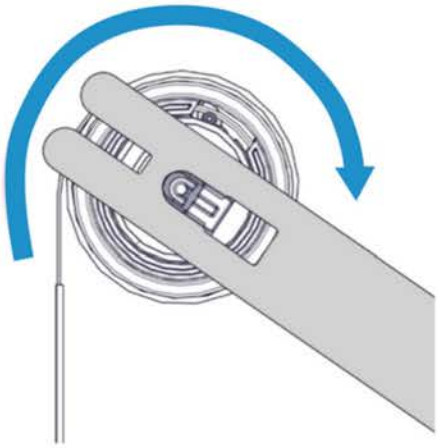


Left Hand Locked

2.3 Engage Spanner onto Pre-Tension Spindle

Slide down to engage



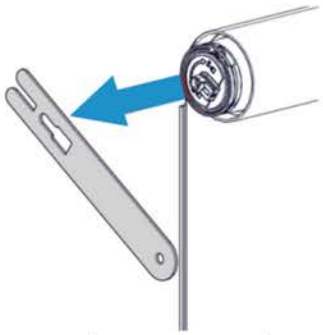


2.4 Rotate Spindle as per direction on label

Left hand pre-tension clockwise

#Wraps + pre-turns must be less than max spring rotations.
Do not exceed max spring rotations.

Remove Spanner



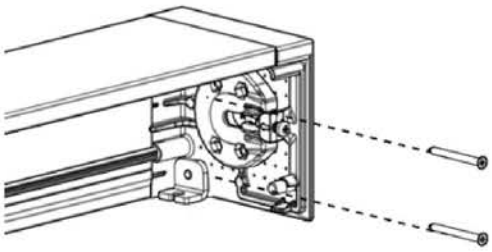
Note: Gradually increase the number of pre-turns required. Only remove the pre-tension spanner when the spring tension is held by the internal mechanism, immediately after a 'click' is heard. Pre-turn spring for number of times indicated in Spring tensioning charts. A click will be heard for each turn.

How to install Exterior Wire Guide Roller Blinds.

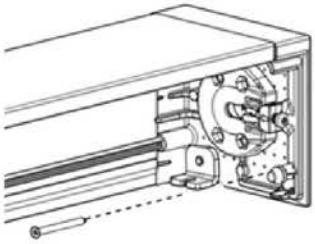
3. Box Installation

3.1 Install Box to Wall / Ceiling.

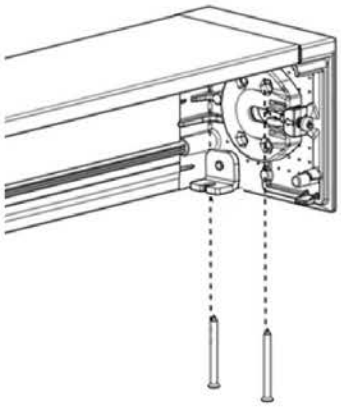
Face Fix



Side Fix



Top Fix

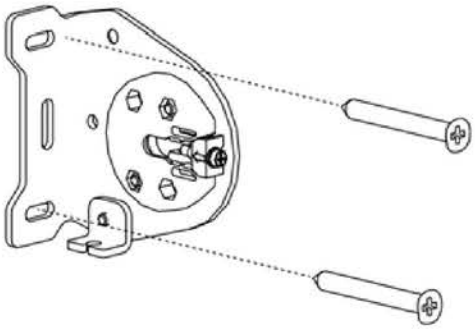


Note: Use appropriate fixings to suit application. Ensure Box is Aligned and Level. Ensure 2 fasteners are used per side.

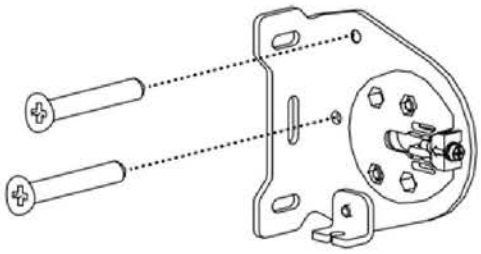
4. Open Bracket Installation

4.1 Install Brackets to Wall / Ceiling.

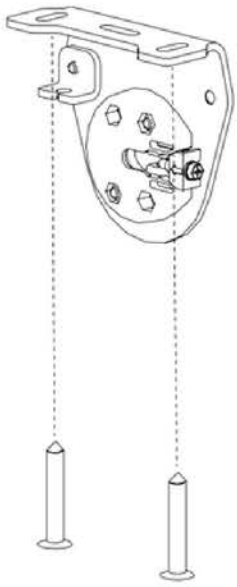
Face Fix



Side Fix



Top Fix

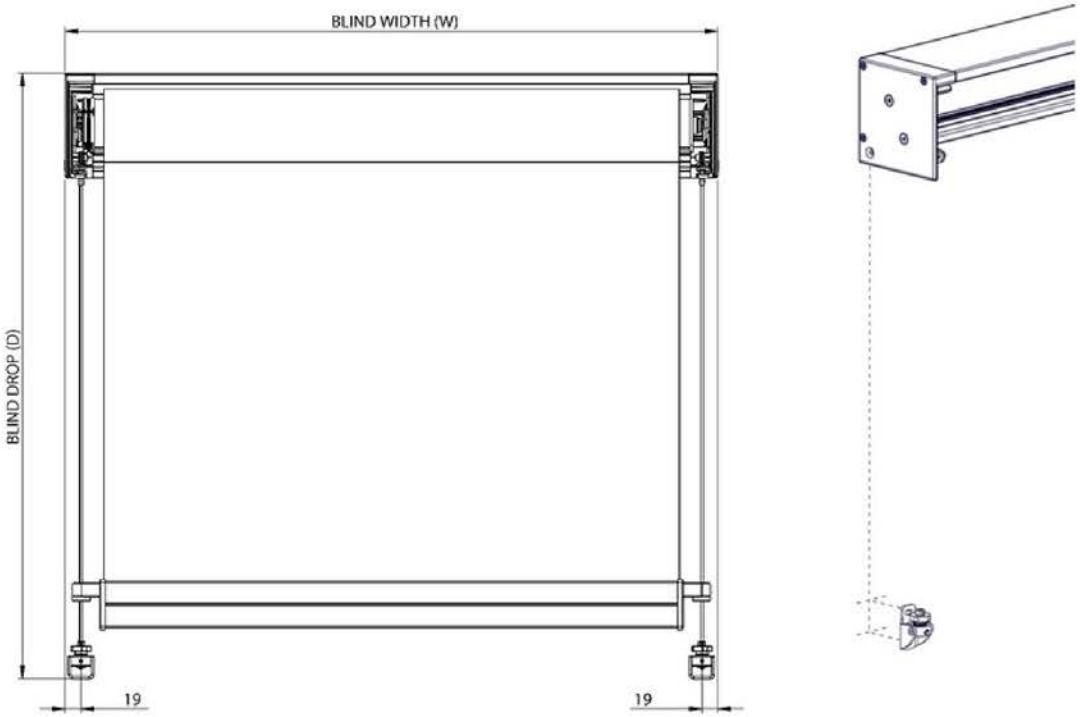


Note: Use appropriate fixings to suit application. Ensure 2 fasteners are used per side. Ensure brackets are aligned and level. Measure brackets end to end to confirm measurement is correct.

How to install Exterior Wire Guide Roller Blinds.

5. Blind Installation

5.1 Mark and secure Wire Guide fixings and Trim Wire to suit.



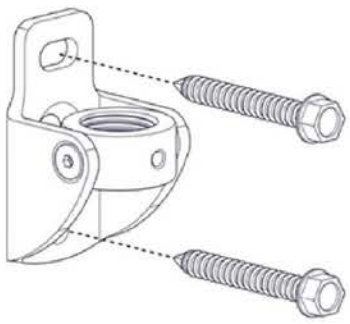
Wire Centres

Box	19mm
Open	18mm

Note: Cut wire to assist (ensure wire is not cut too short, excess can be trimmed later).

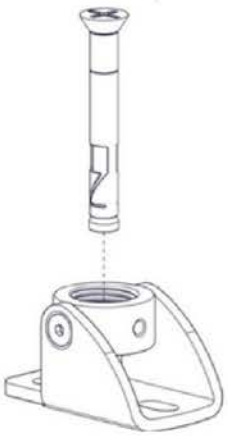
Floor Fix

Face / Side Fix



Floor Fix

(Option for securing masonry)



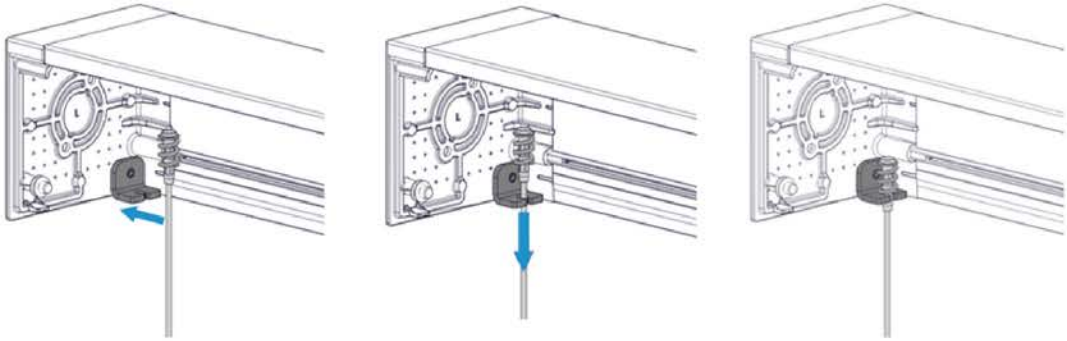
Note: Ensure fasteners suit substrate application. Max fastener size #10, Max Dynabolt size: M6

How to install Exterior Wire Guide Roller Blinds.

5.2 Insert Spring onto Wire (option 1).

5.3 Attach Wire and Spring to Bracket.

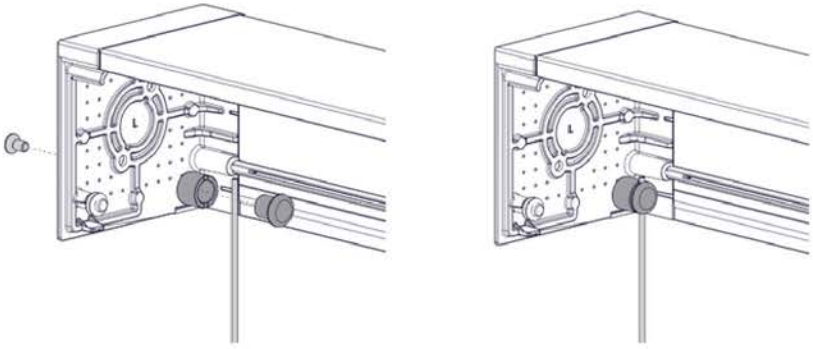
Option 1 - Hook Terminal.



Note: Tube hardware not shown for clarity of wire installation.

Option 12- Clamp Terminal.

Insert wire between two terminal pieces and tighten screw to fix wire.

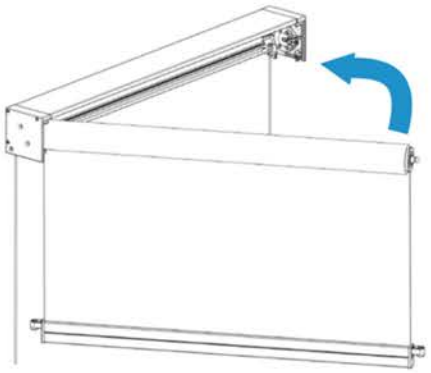


Note:

- Dome Stud Terminal must be removed prior to installation
- Compression spring above cannot be used with Clamp Terminal

How to install Exterior Wire Guide Roller Blinds.

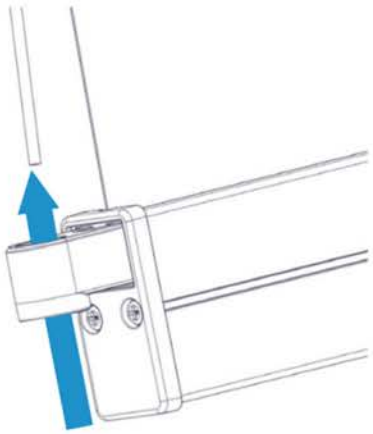
5.4 Insert Blind into Box.



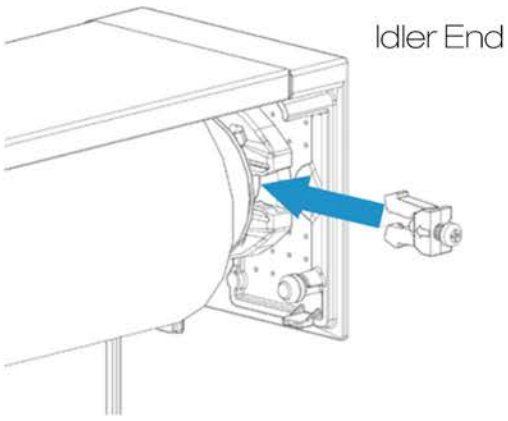
Note:

- Insert control end first
- Ensure blind is secure

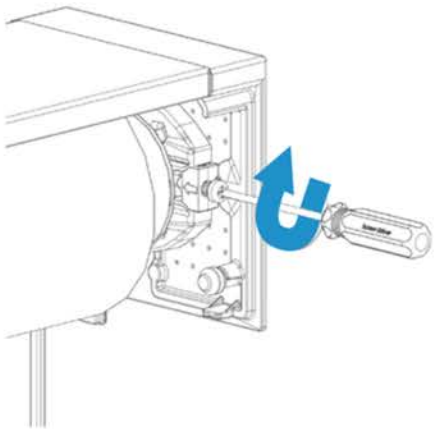
5.5 Insert Wire through Weight Bar End Cap Floats.



5.6 Insert Cup into Idler Adapter.



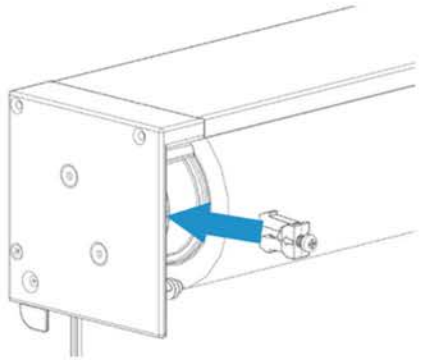
Ensure pin is clipped in securely.



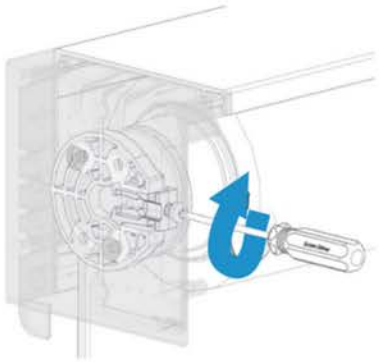
Tighten the screw.

How to install Exterior Wire Guide Roller Blinds.

Control End

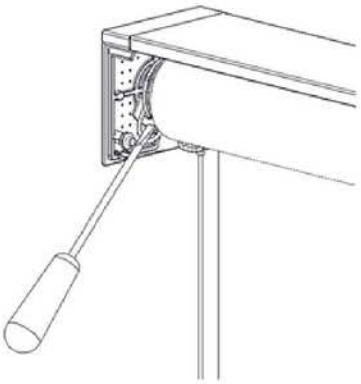


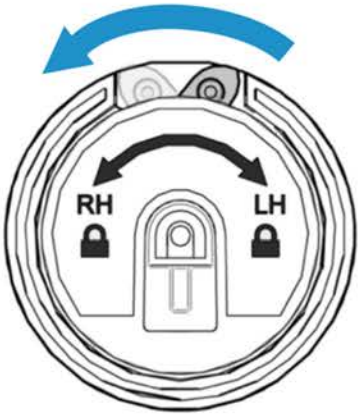
Spring Only: Insert Retainer Clip MKII at spring end.



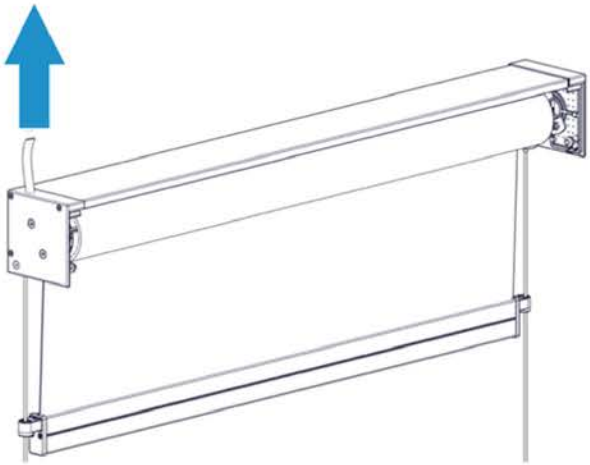
Spring Only: Tighten the screw to secure.

5.7 Unlock Pre-Tension Head at Spring End (For Spring only).



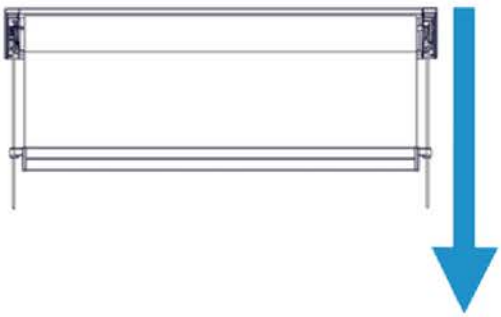


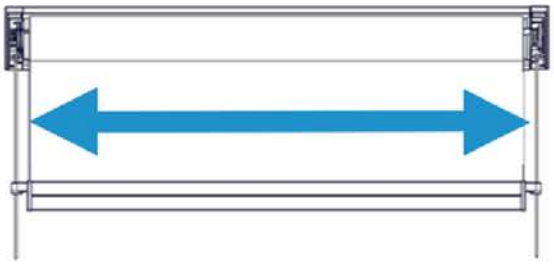
5.8 Feed through Motor Cable (For Motor only).



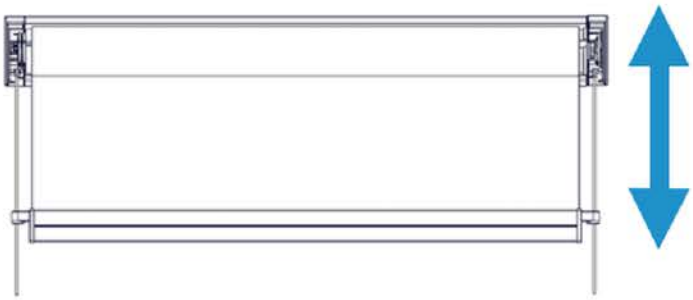
How to install Exterior Wire Guide Roller Blinds.

5.9 Run Blind down + centre.



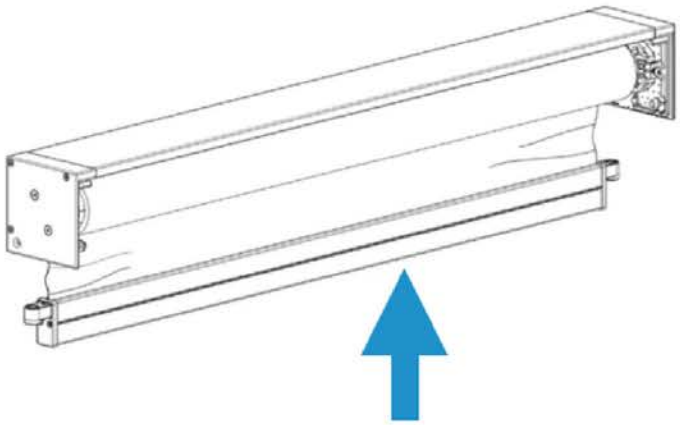


5.10 Test Blind Operation.



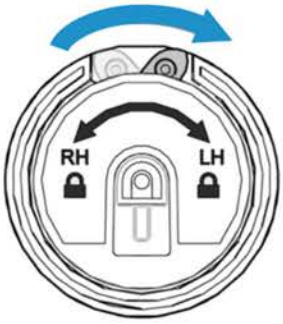
For spring operation, blind should creep up slowly when pulled down.
If blind does not creep up, add more pre-turns. Refer to steps 5.12-5.15.
For motor operation, ensure wiring is correct and motor is operating correctly. For gear operation, ensure operation is smooth.
Once blind is operating correctly, proceed to next steps.

5.11 Ensure Spring is locked by lifting Weight Bar until fabric bunches up.

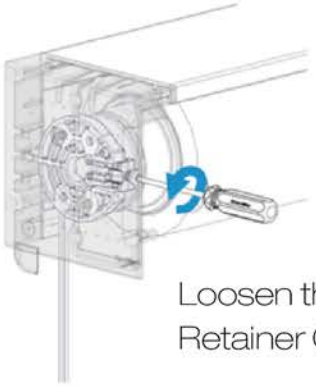


How to install Exterior Wire Guide Roller Blinds.

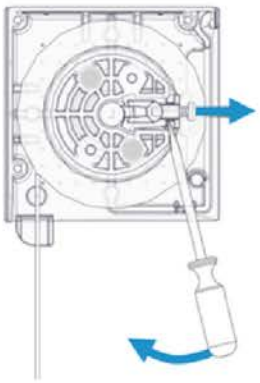
5.12 To adjust Pre-Turns, Lock Pre-Tension Head at Spring End (For Spring only).



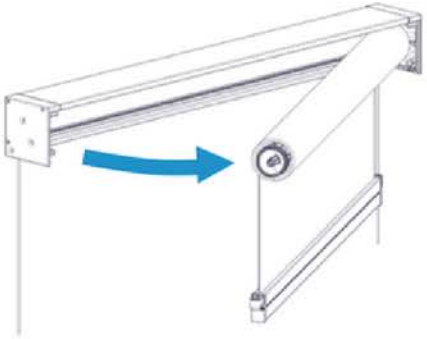
5.13 Disengage the Spring Head from Adapter.



Loosen the screw then lever the Retainer Clip MKII outwards.

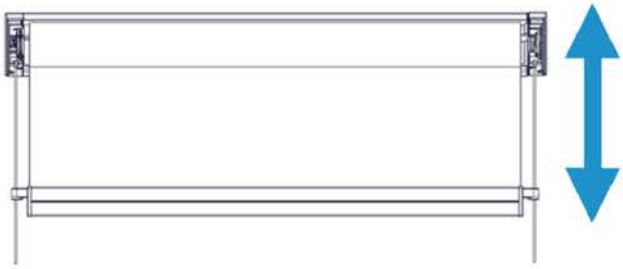


5.14 Add additional Pre-Turns required (For Spring only).



Add extra number of pre-tensions required.
Note: Gradually increase the number of pre-turns required.

5.15 Re-install and test Blind (For Spring only).

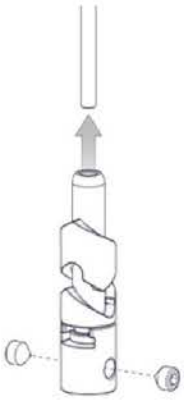


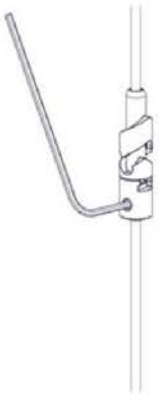
If too many pre-turns are added, the blind will automatically raise when installed. Repeat steps 5.12-5.14 until blind is operating as required.

How to install Exterior Wire Guide Roller Blinds.

6.Tension Guidelines.

6.1 Slide lock onto bottom of Wire, position high to keep out of the way and temporarily clamp in place.





Note:

- Use 2.5mm Allen Key
- Ensure locks are below Weight Bar

6.2 Slide Adjusting Sleeve then wire terminal onto Wire and tighten up out of the way.

Note: Use 2mm Allen key

6.3 Feed wire through Swivel Bracket Collar

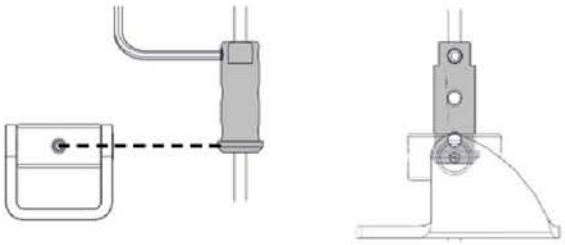
Floor Fix

Face / Side Fix

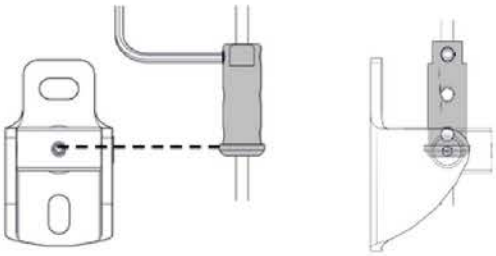
How to install Exterior Wire Guide Roller Blinds.

6.4 Pull Wire straight and align Terminal Flange with M4 Grub Screw, Clamp to Wire.

Floor Fix

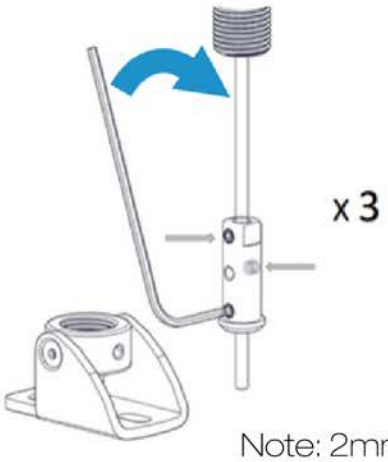


Face / Side Fix



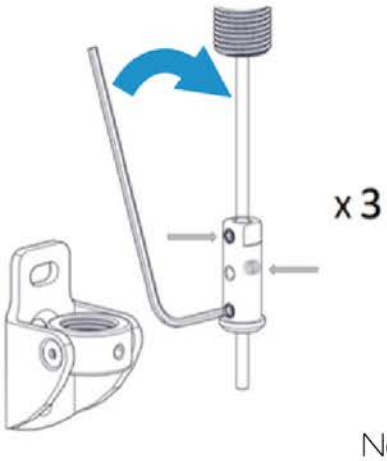
6.5 Tighten remaining Grub Screws on Wire (Tighten 3 x Grub Screws per Wire).

Floor Fix



Note: 2mm Allen Key

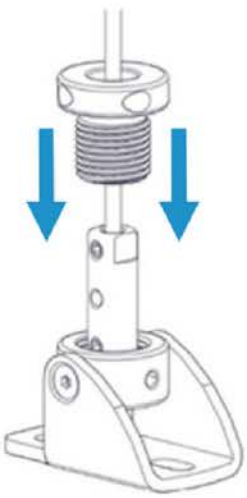
Face / Side Fix



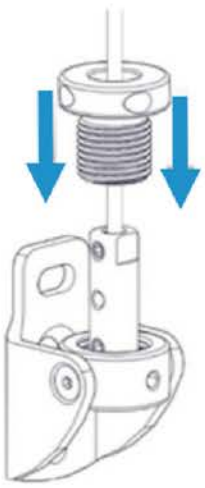
Note: 2mm Allen Key

6.6 Tighten remaining Grub Screws on Wire (Tighten 3 x Grub Screws per Wire).

Floor Fix



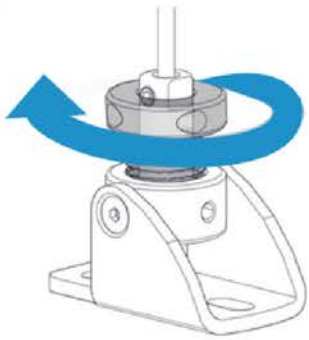
Face / Side Fix



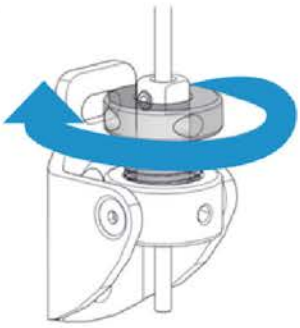
How to install Exterior Wire Guide Roller Blinds.

6.7 Screw in Adjusting Sleeve until Wire begins to tension.

Floor Fix

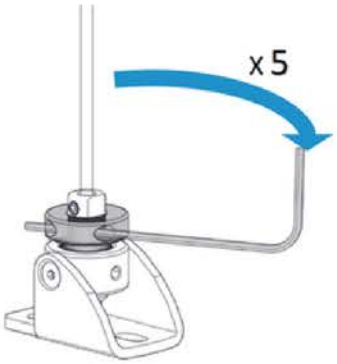


Face / Side Fix

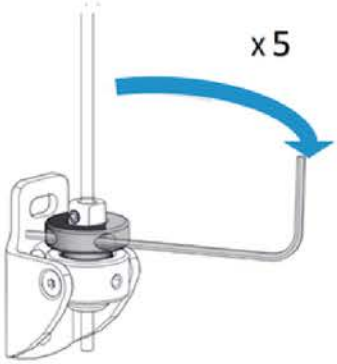


6.8 To apply minimum required tension, tighten with 5x turns using Allen Key.

Floor Fix

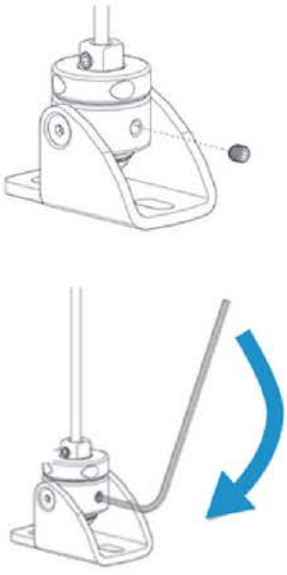


Face / Side Fix

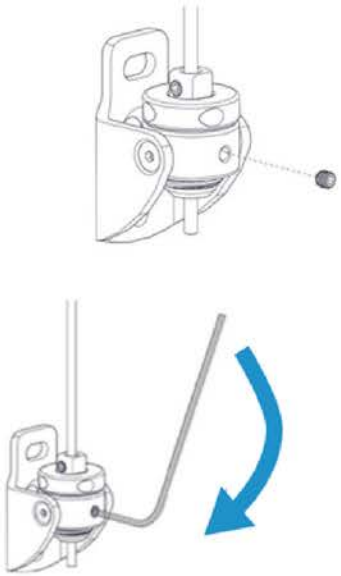


6.9 Once Tensioned Screw in Grub Screw to prevent Losing tension.

Floor Fix



Face / Side Fix



Note: Use 2 mm Allen Key

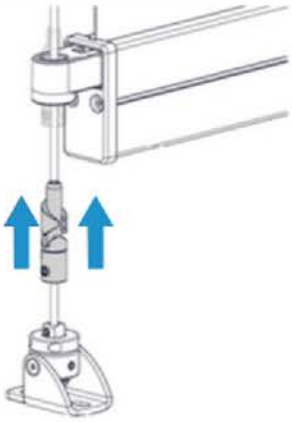
How to install Exterior Wire Guide Roller Blinds.

6.10 Release lock and slide up into Weight Bar End Cap (Latch).

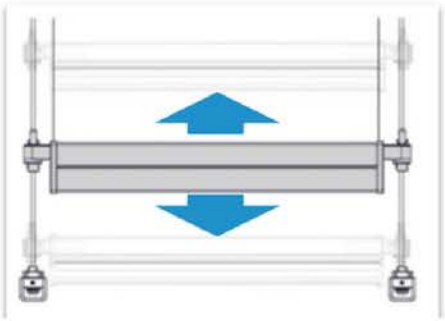
Floor Fix

Note: Use 2 mm Allen Key

Face / Side Fix



6.11 Locks should now move with Weight Bar.

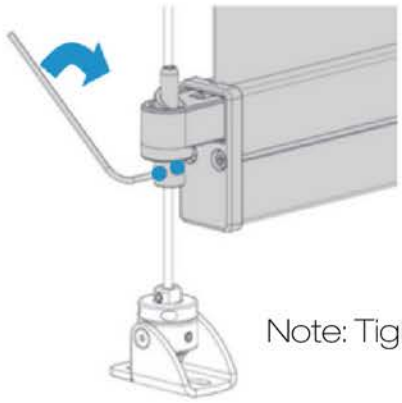


6.12 Move Weight Bar / Lock to lowest desired level.

Choose lowest position for Weight Bar.
Minimum Ground Distance = 19mm approx.

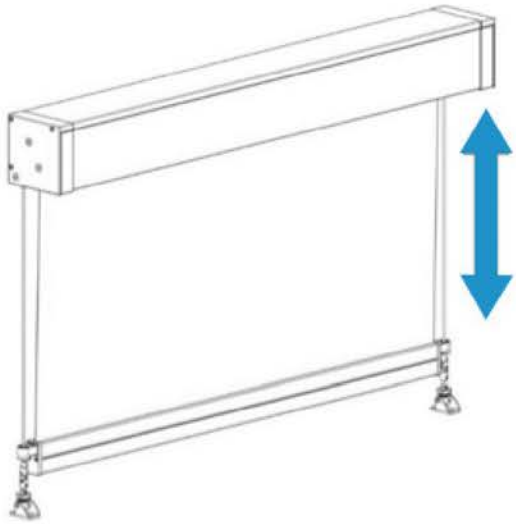
How to install Exterior Wire Guide Roller Blinds.

6.13 Fix Lock in place with Grub Screws (2 each side).



Note: Tighten set of 2 Grub Screws per Wire.

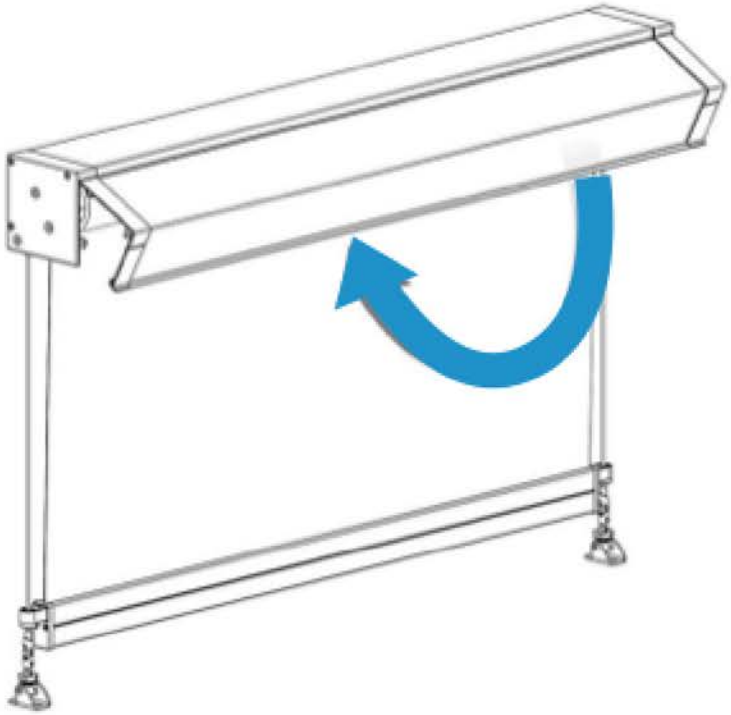
6.14 Test Blinds with Locks.



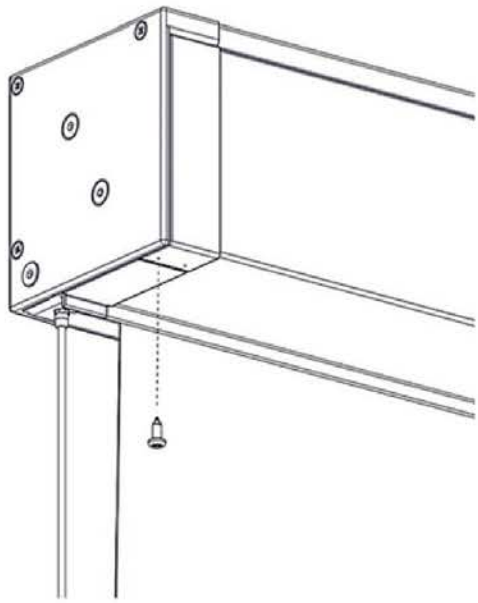
Note: Adjust Lock height if required.

How to install Exterior Wire Guide Roller Blinds.

6.15 Swing Box Cover into Box Top and clip into place.



6.16 Secure Cover at both ends.

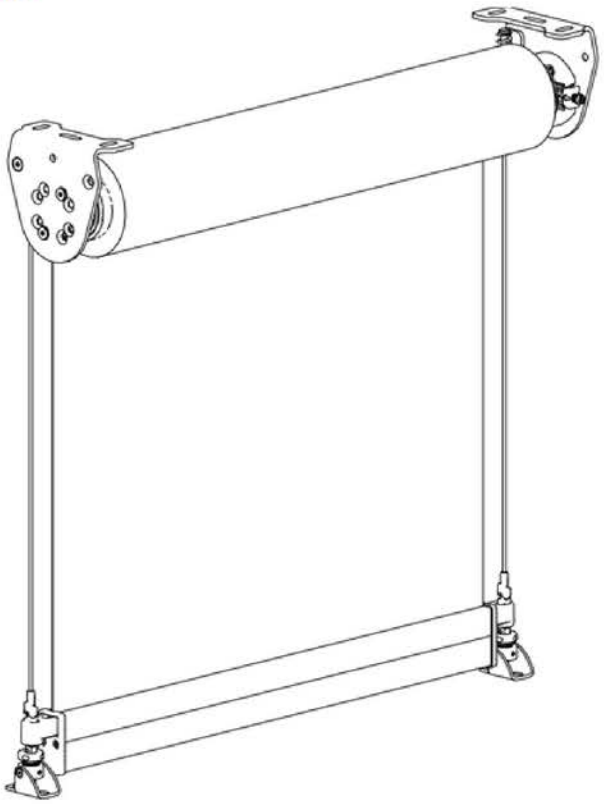


Note: It is recommended that the Box Cover be fixed to ensure it is not accidentally dislodged.

How to install Exterior Wire Guide Roller Blinds.

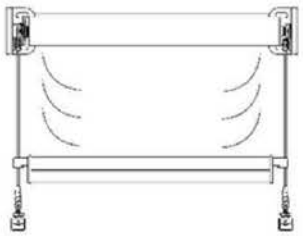
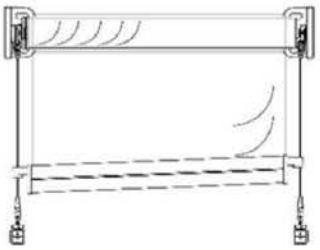
Box

Open



How to install Exterior Wire Guide Roller Blinds.

7. Troubleshooting.

No	Problem	Cause	Solution
1	Ripples along sides of fabric. 	Blind rolled up for an extended period of time.	This occurrence is inherent to roller systems and is more prevalent in some fabrics. Leave blind down for 1 – 4 hours; most ripples should disappear.
		Not enough weight in weight bar.	Refer to Product Specs. Add ballast.
		Installation is not square.	Check blind roll is installed level.
		Fabric permanently damaged due to inadequate handling during assembly, transportation, installation or use.	Replace fabric and ensure it is handled with care.
2	Blind does not fully open / jams.	Position of wire guides at base is incorrect.	Check if wire guide fixing at floor/base are positioned in line with the Top Terminal. If fixing is too far inwards of the terminal then reposition. Refer to Part C, Step 1 of this document for wire guide positioning details.
		Incorrect motor stop limits used.	Refer to motor instructions to reset stop limits.
3	Ripples along sides of fabric. 	Blind roll is not level, thus weight bar appears uneven.	Ensure blind is installed level.
		Blind has been operated in excessive wind conditions.	Check blind roll when the blind is fully raised. If ripples are evident on roll, open blind fully (without the presence of wind) to allow the blind to track down evenly. Raise and lower blind a number of times to check operation.
		Fabric is not installed straight.	Ensure fabric is assembled straight onto tube and weight bar.
4	Locks go out of sync.	Locks are not level.	Lower blind until fabric is slack then lift one side so that the lock disengages.
		Uneven Weight Bar (see above).	
		Obstruction preventing weight bar lowering through lock.	Remove obstruction to allow weight bar to reach its lowest point.

How to install Exterior Wire Guide Roller Blinds.

Appendix.

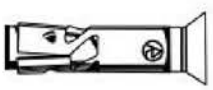
1. External Blinds & Awnings Fixing Screws and Bolts Guide

Below is a guide to the types of screws and fixings suitable for the secure fit of heavier Outdoor Blinds and Awnings.

Each situation is different and you will need to make your selection based on the type of Blind, the overall size, the surface you are installing to and it's exposure to weather. Its always best to oversecure. it's better to be safe than sorry!

Auto awning: up to 5000 wide, main head box brackets 60mm x 10g, 4 off with washer for timber install - 75mm x 8mm Dyna bolt for brick or concrete. Use 50mm x 10g, 8 off for securing the metal side runners and U brackets , include green raw plugs if installing into brick or concrete.

Ext Wire Guide Roller: up to 5000 wide, main head box brackets 60mm x 10g, 6 off with washer for timber install - 75mm x 8mm Dyna bolt for brick or concrete. For bottom of wire guide 40mm x 10g, 2 off - Use a green raw plug for brick or concrete. Alternatively use a 40mm x 6mm Dyna bolt.

	**Countersunk (Zenith)** 10g x 50mm Available in Metal or Timber thread Stainless	Used to side fix channels or wire guide bottom bracket.
	**Wafer / Button Head (Buildex)** 8g x 50mm Available in Metal or Timber thread	Used to face fix channels.
	**Roofing & Cadding Hex Head (Buildex)** 12g x 50mm Available in Metal or Timber thread	Used to fix universal brackets.
	**Ramplug / Green Plug (Ramset)** 50mm Length	Used to fit brick or concrete.
	**Dyna Bolt (Ramset)** 6mm x 30mm	Used to face fix channels.
	Dyna Bolt (Ramset) 8mm x 50mm	Used to fix universal brackets.
	**Countersunk (Ramset)** 4.5mm x 30mm Stainless	Used to side fix wire guide bottom brackets.