



# Wire Guide

## **INSTALLATION MANUAL**

v5.1 | October 2024



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## DISCLAIMER

### INTRODUCTION

This installation manual for Wire Guide System has been produced by Rollease Acmeda to supply the necessary information for the safe and correct installation of Wire Guide System.

### DISCLAIMER

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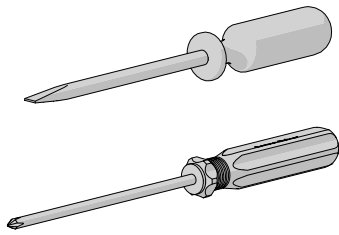
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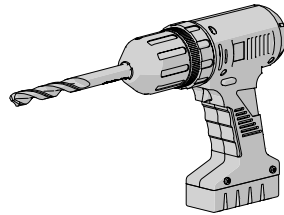


**TOOLS REQUIRED**

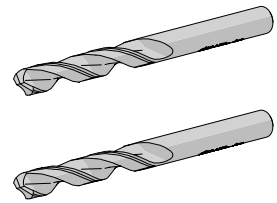
- 1** Philips Head / Flat Head Screwdriver



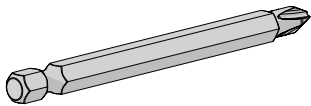
- 2** Drill



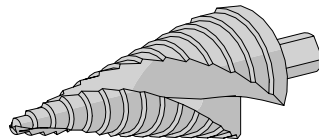
- 3** Drill Bits



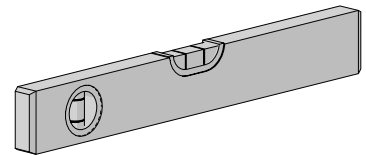
- 4** Hex Bit - 1/4"



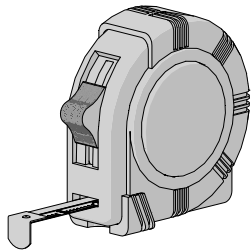
- 5** Step Drill



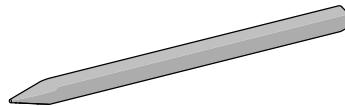
- 6** Spirit Level



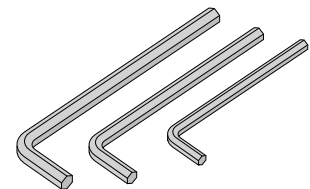
- 7** Measuring Tape



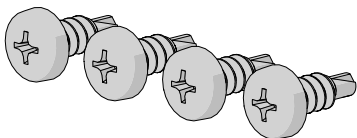
- 8** Pencil



- 9** Allen Key Set



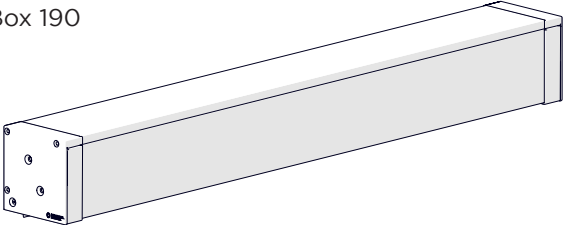
- 10** Suitable Fasteners



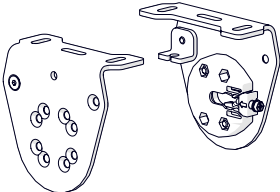
**PRE-ASSEMBLED SHADE COMPONENTS**

Note: Images shown below are indicative only and will vary with system requirements.

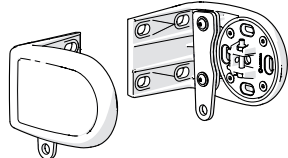
Box 120  
Box 160  
Box 190



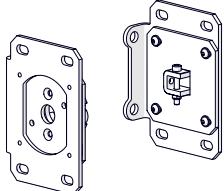
Open Brackets



OR



Face Fix



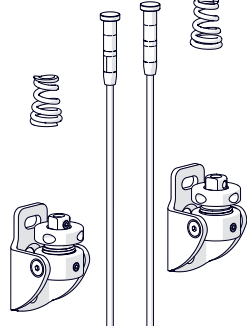
Recess Fix

**NOTE**

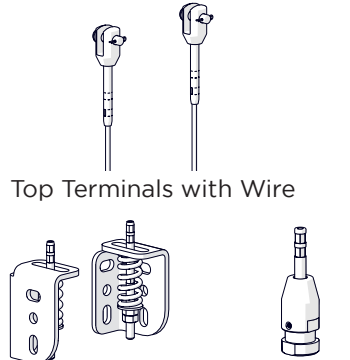
Store idler/spring adapter retaining clip until required (can be left in adaptor as shown)

Wire Guide and Fixing Hardware

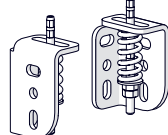
**3.2mm Hardware**




**4mm Hardware**



Top Terminals with Wire

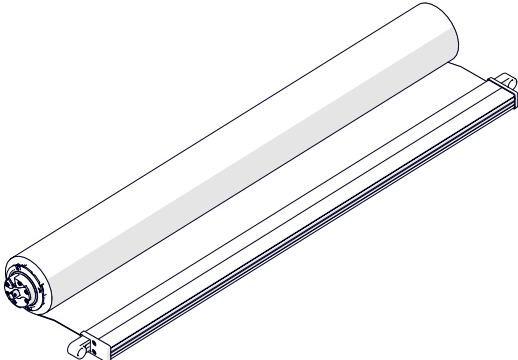


Side/Face Fix



Floor Fix

Blind

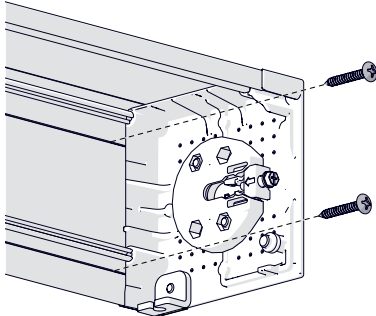
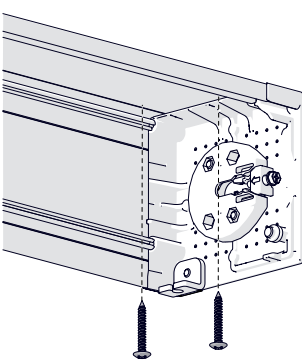
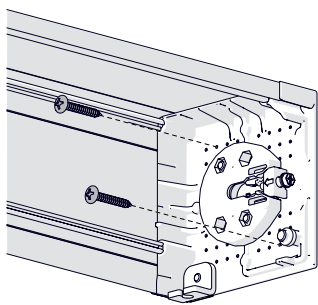
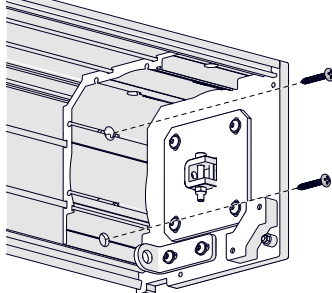
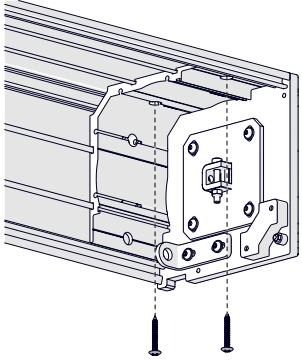
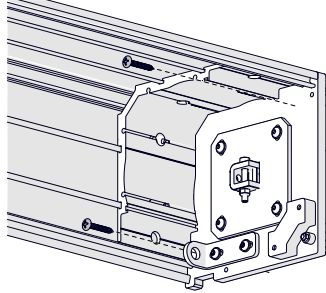
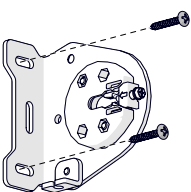
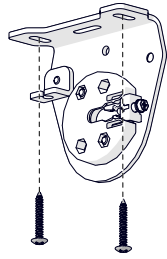
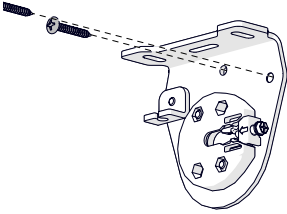
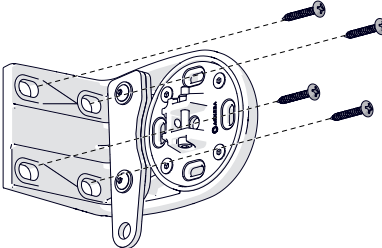
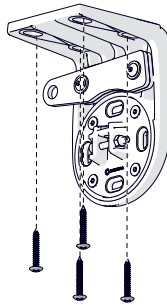
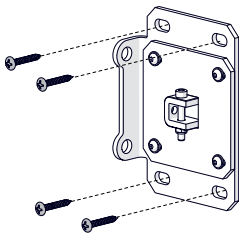


## MOUNTING ORIENTATION

Use appropriate fasteners to install box/open brackets. Fasteners below are indicative only.

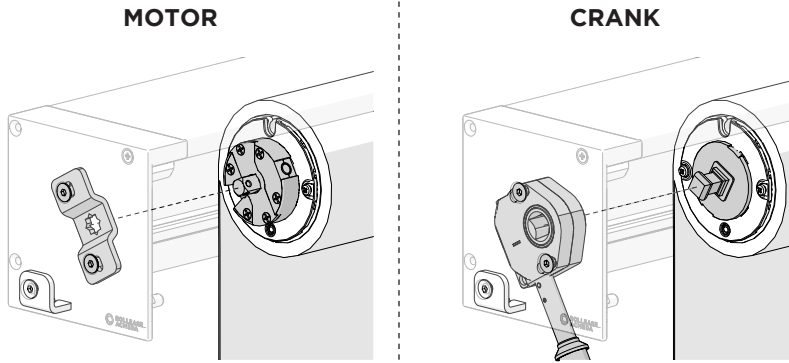
**NOTE**

- Ensure brackets are level.
- Recommend pre-drilling holes in cassette brackets prior to installation.
- Pre-drill Ø22mm access hole for motor cable.

	FACE	CEILING	RECESS
Box 120 / Box 160			
Box 190			
Open Brackets			
Extreme Open Brackets			

**BOX 120 / BOX 160 | 78MM TUBE**

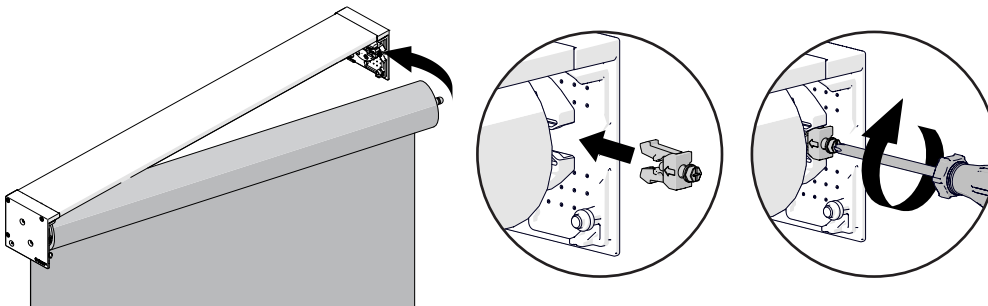
**1** Insert shade into box (control end first)



**NOTE**

Align control hardware with bracket and ensure tube assembly is engaged.

**2** Align idler end and secure idler in place

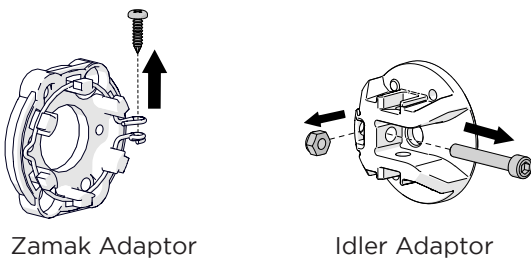


**NOTE**

User effort will be required to push the Idler pin into the adapter, a noticeable “click” will indicate that the component is correctly located.

**BOX 160 | 110MM TUBE**

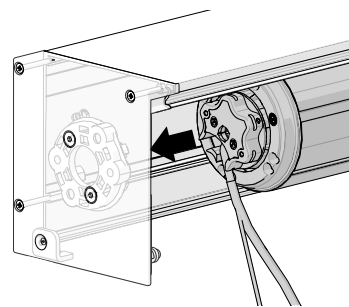
**1** Remove screw from zamak adaptor and bolt from idler adaptor (ring can stay in place during motor assembly).



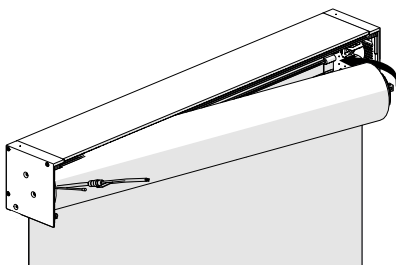
Zamak Adaptor

Idler Adaptor

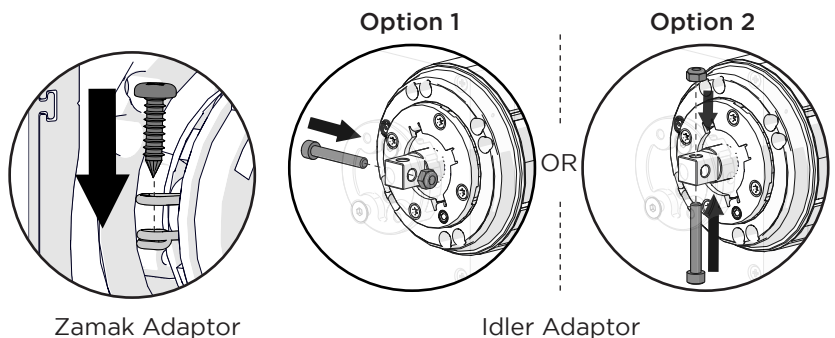
**2** Mount shade to brackets (motor end first)



**3** Align idler end and secure idler in place



**4** Fasten shade in place with fasteners removed in Step 1

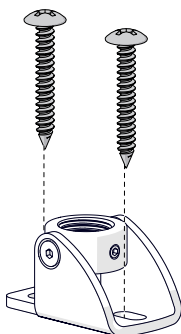
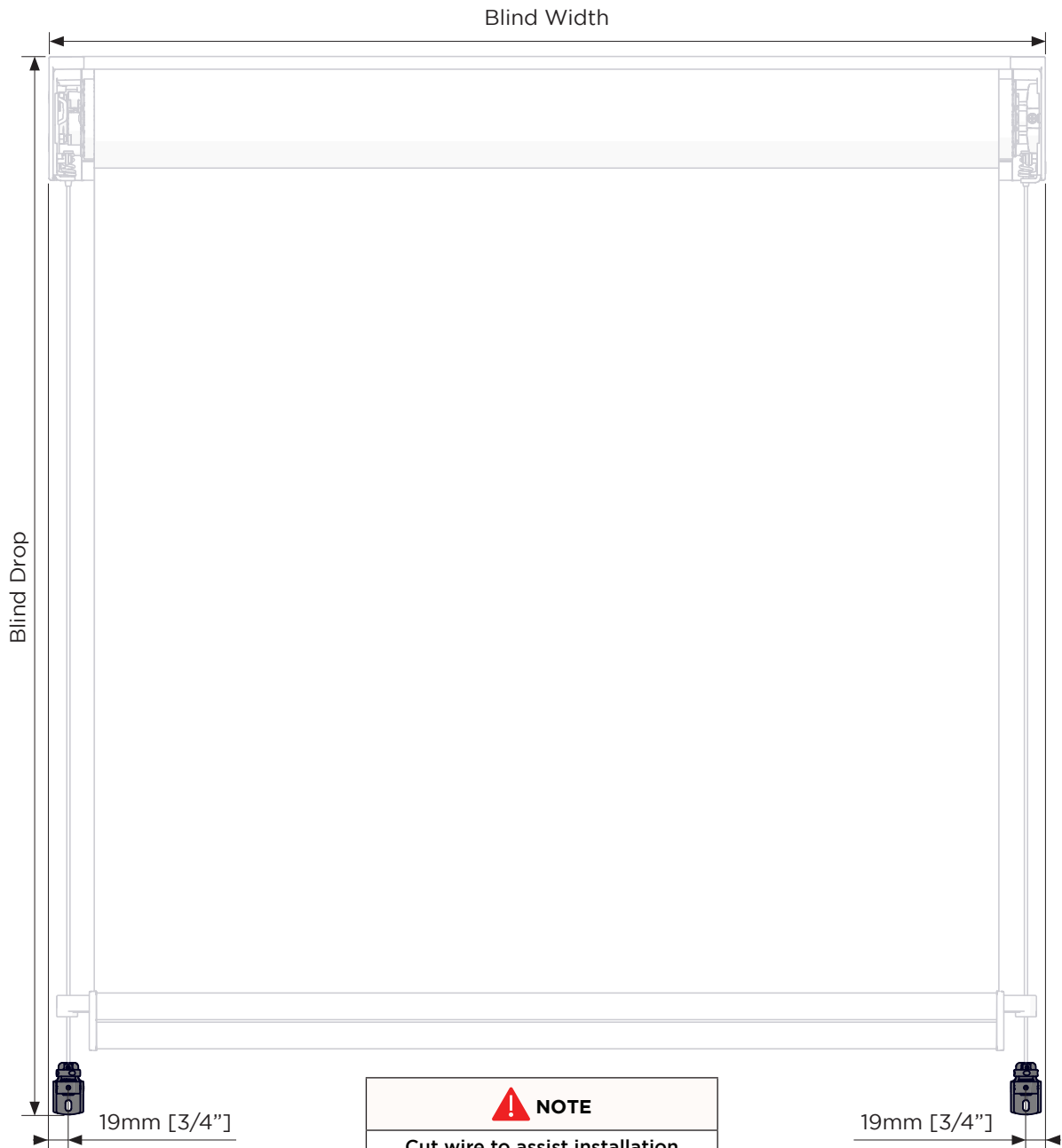


Zamak Adaptor

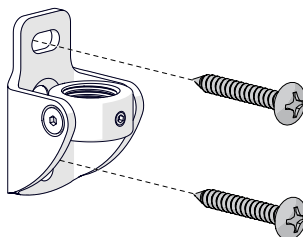
Idler Adaptor

## 3.2MM HARDWARE

- 1 Mark and secure wire guide fixings and trim wire as required



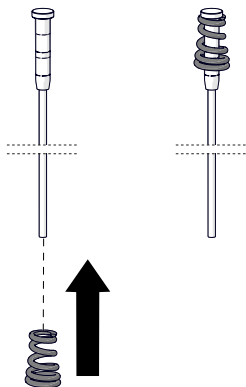
Floor Fix



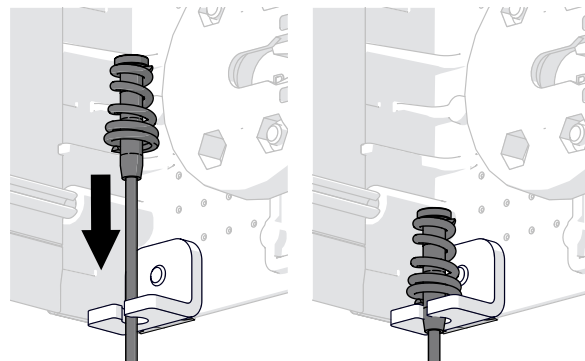
Face/Side Fix

## 3.2MM HARDWARE

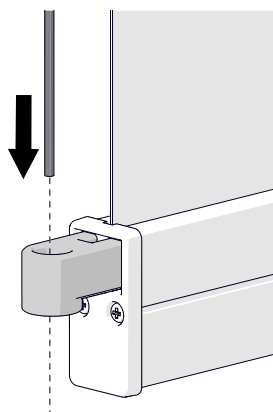
- 2** Insert spring onto wire



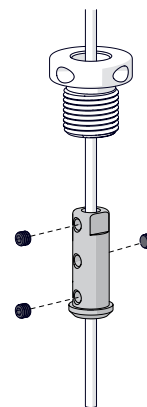
- 3** Attach wire and spring to bracket on each side



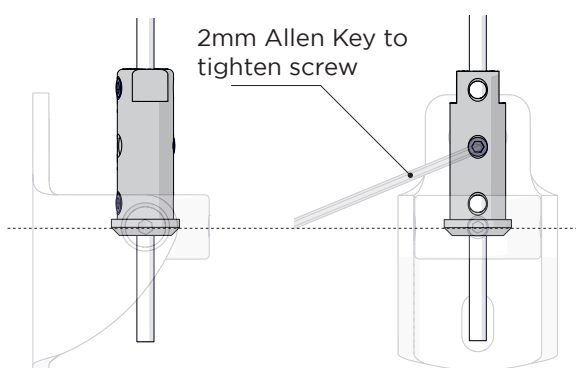
- 4** Insert wire through weight bar end caps on each end



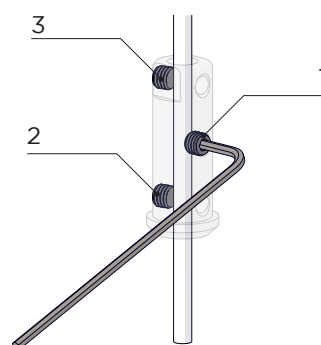
- 5** Lightly tighten the grub screws on each wire



- 6** Pull wire straight and align terminal flange with bracket centreline.



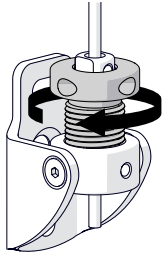
- 7** Tighten the 3x grub screws per wire. Over-tightening will strip the grub screws.



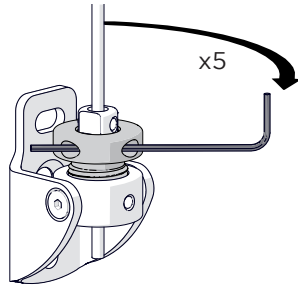


### 3.2MM HARDWARE

- 8 a. Rotate adjusting sleeve until finger-tight.  
b. Apply 5 turns using allen key.

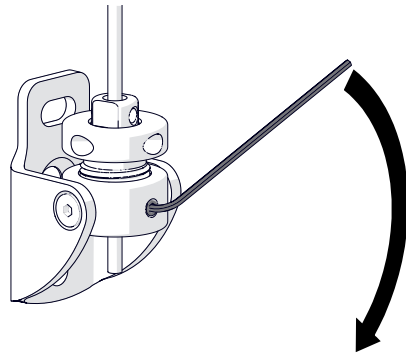


a.



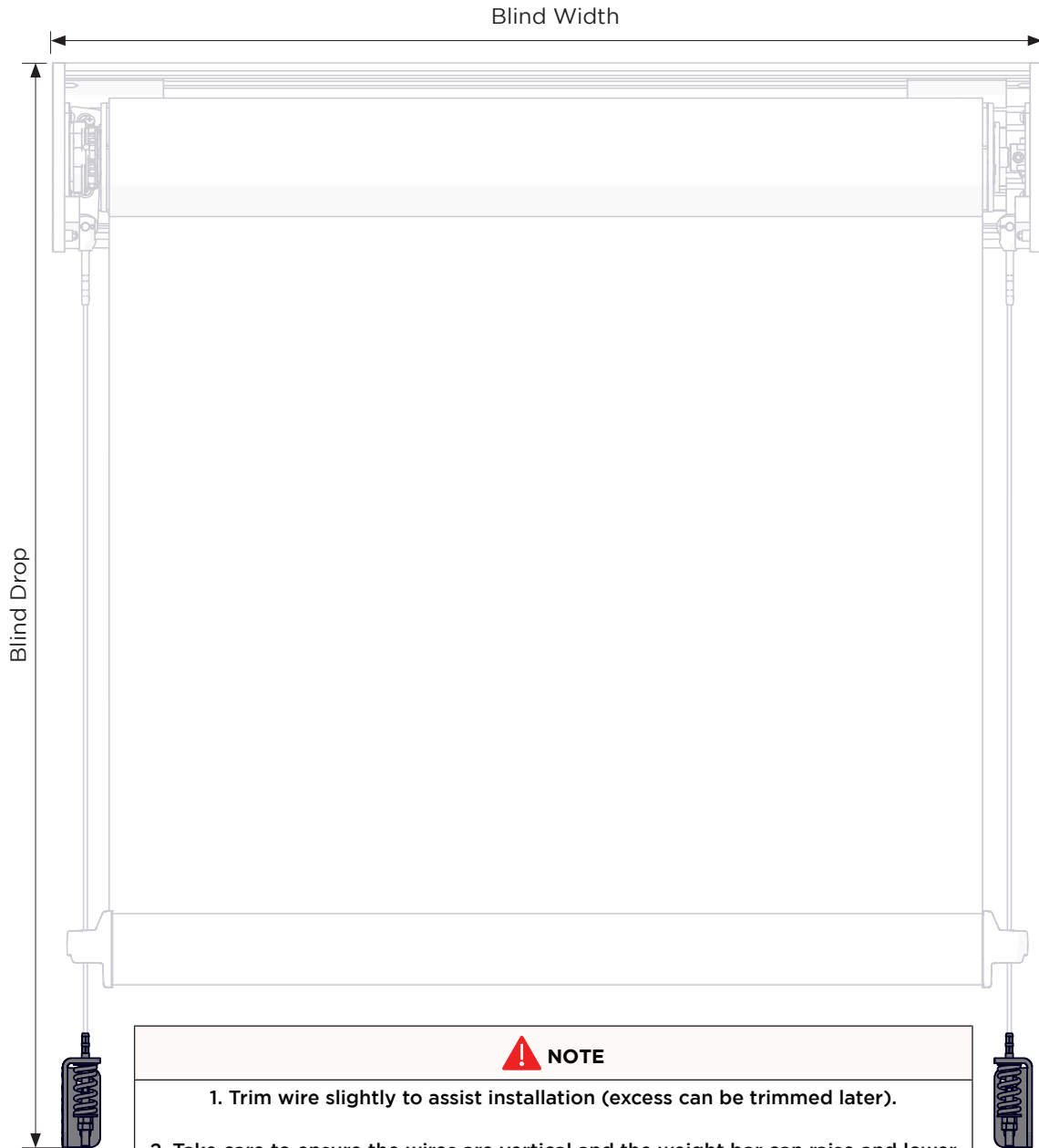
b.

- 9 Screw in grub screw to prevent losing tension. (2mm Allen Key)



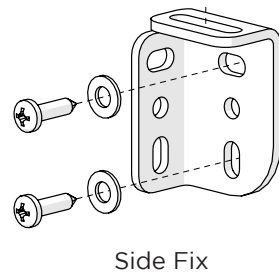
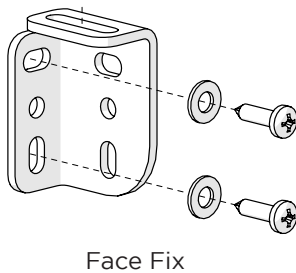
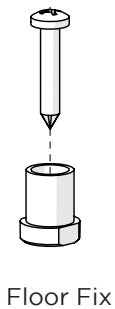
## 4MM HARDWARE

- 1 Mark and secure wire guide fixings and trim wire as required



**NOTE**

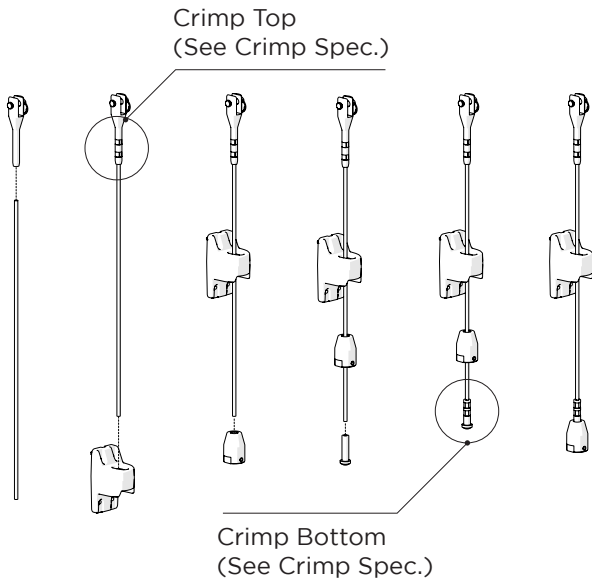
1. Trim wire slightly to assist installation (excess can be trimmed later).
2. Take care to ensure the wires are vertical and the weight bar can raise and lower smoothly prior to securing the brackets.



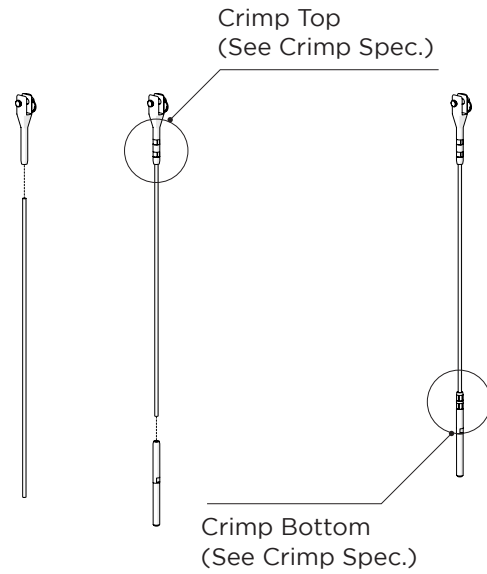
## 4MM HARDWARE

**2** Prepare wire assemblies

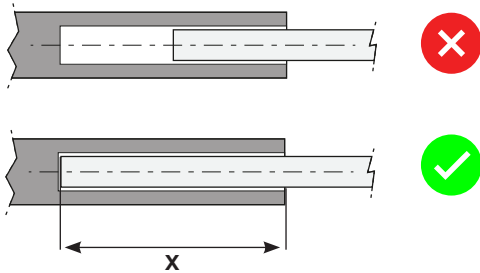
**Tensioning Bracket: Floor / Side / Face Fix**



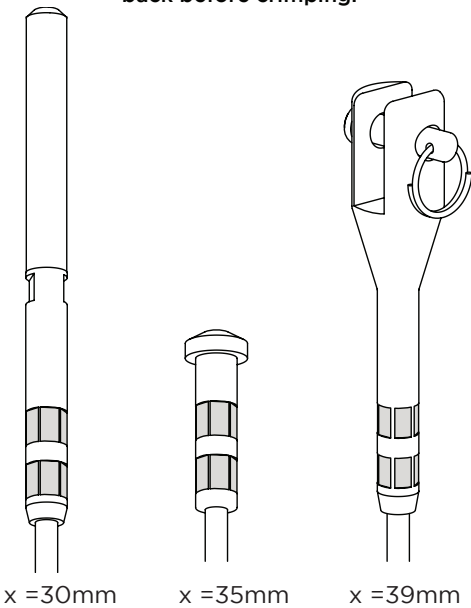
**Stud Terminal: Side / Face Fix**



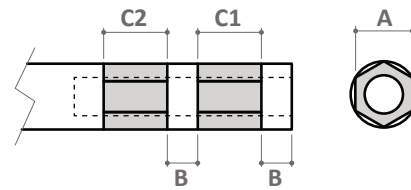
**NOTE**



Ensure cable is fully inserted into terminal.  
Cables with PVC coating will need to be stripped back before crimping.



**Crimp position and sizing for all terminals:**



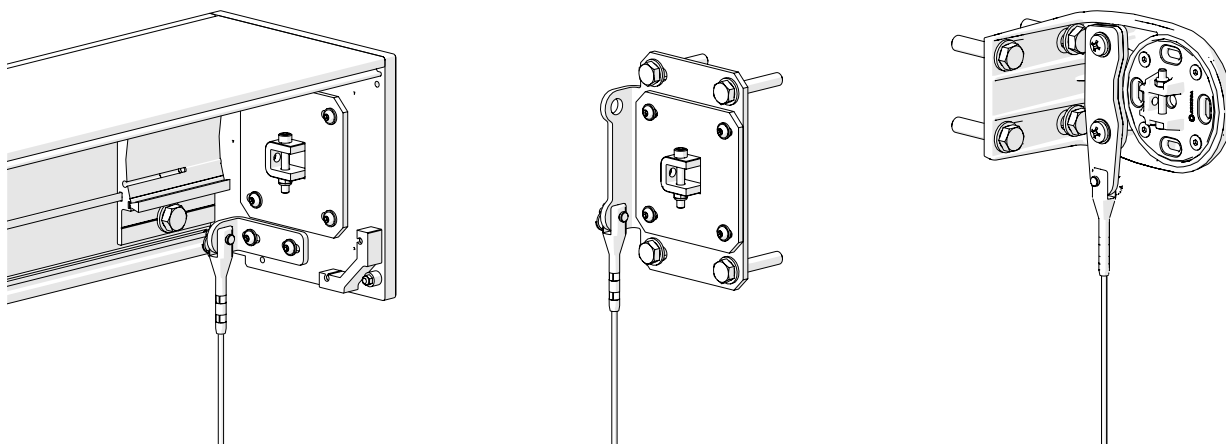
ITEM	Size (mm)	Size (in)
A (Crimp Hex AF)	6.5	0.26"
B (Crimp spacing)	3.0	0.12"
C1/C2 (Crimp Length)	7.5	0.30"

**NOTE**

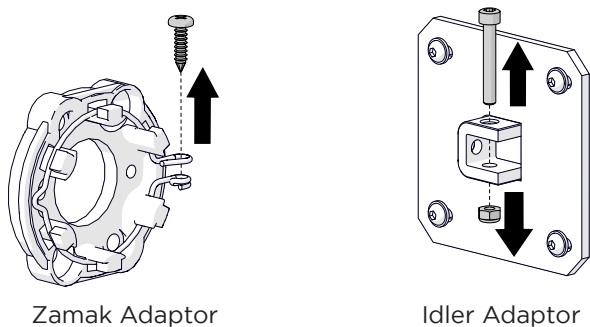
Ensure jaws of crimp tool close completely to achieve maximum possible crimp strength.

**4MM HARDWARE**

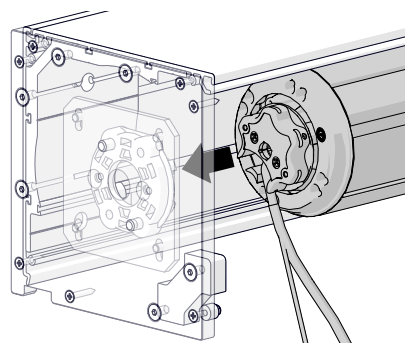
**3** Attach fork terminal (crimped) to wire guide adaptor



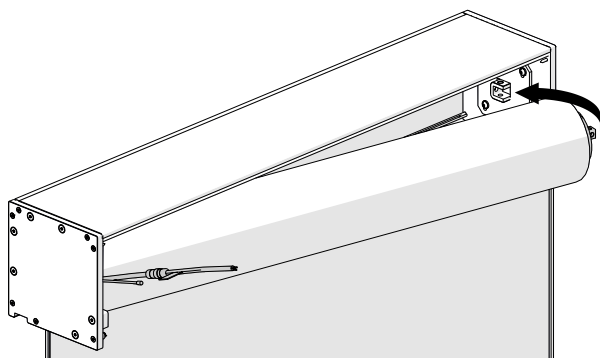
**4** Remove screw from zamak adaptor and bolt from idler adaptor



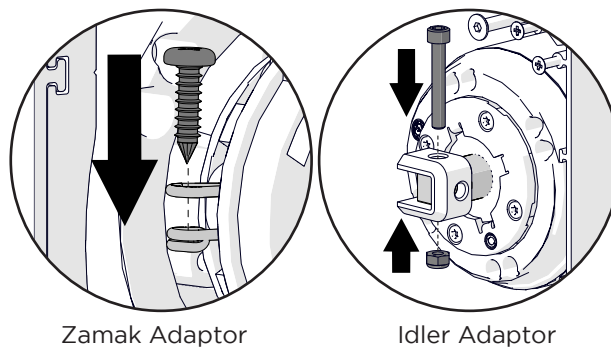
**5** Mount shade to brackets (motor end first)



**6** Align idler end and secure idler in place



**7** Fasten shade in place with fasteners removed in Step 4



**4MM HARDWARE**

**8** Tension the wire

Recommended tension force for Extreme 4mm wire guide system is 700 - 900N Maximum. (70 - 90Kgf)  
 In the absence of a suitable tension meter, refer to the tension charts for guide lines on the No. of fastener turns (or travel) required to achieve desired tension.

The number of fastener turns or amount of stretch is relative to the length of the wire guide.

OPTION 1: Tension Bracket		
Wire Length	No. of turns Tension Body (A) (min) - (max)	Travel (mm)

OPTION 2: Terminal Stud		
Wire Length	No. of turns M8 Nut (min) - (max)	Travel (mm)
2.5m (8.2')	1.0 - 1.5x	1.5 - 2.0mm (0.059" - 0.079")
5.0m (16.4')	2.5 - 3.0x	3.0 - 4.0mm (0.118" - 0.157")

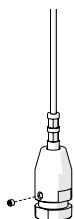
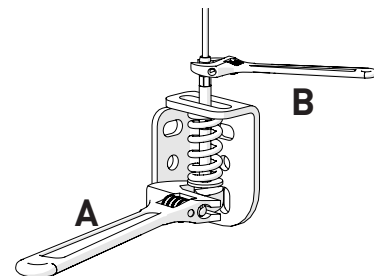
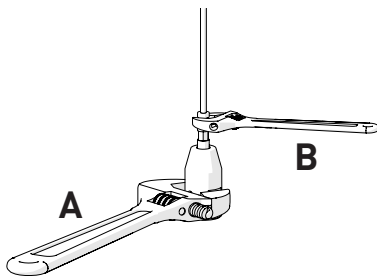
When using the tension spring, take note of the spring length prior to compressing the spring to apply tension in the wire system. Refer to the table for a guide on amount of spring compression and/or fastener turns required to achieve desired tension.

The wire length is not relevant for this tension method as the spring will apply the required tension once compressed to the nominated state.

OPTION 3: Terminal Stud with Spring		
Tension	Spring Compression mm	*No. of turns M8 Nut.
700 N min.	6.0mm (0.236")	5.0x
900 N max.	8.0mm (0.315")	6.5x

\* Note, count number of turns from point spring begins to compress.

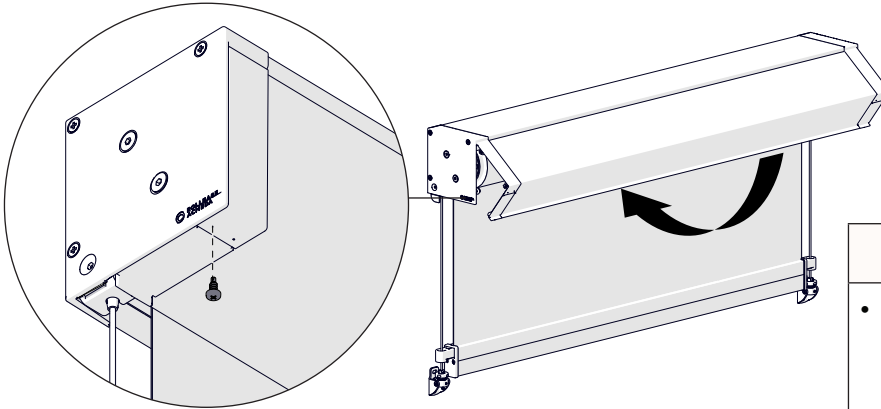
Using a spanner, HOLD B & rotate A to apply tension on the cable



When sufficiently tensioned, tighten the grub screw with an Allen key to lock the fitting and prevent loosening of the cable.

**BOX 120 / BOX 160 - INSTALL FRONT COVER**

- 1 Install front cover and fasten in place.  
Ensure front cover is secured correctly along the entire length.



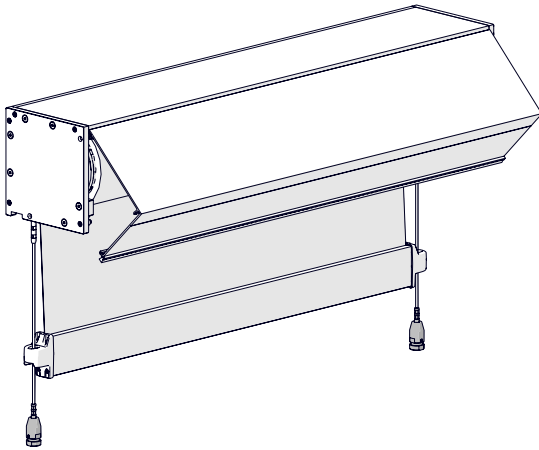
**NOTE**

- Always secure the front cover with a screw at each end. There is a dimple on the End Plate Cover to ensure correct position.
- Do not force cover closed, ensure End Plates are engaging correctly

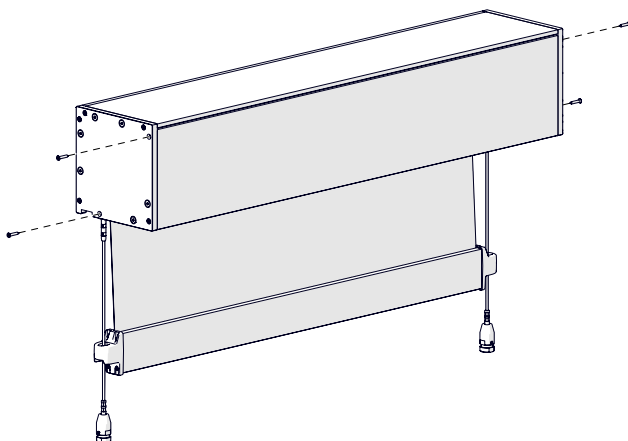
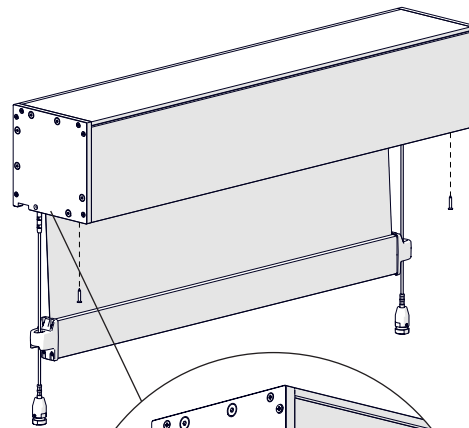
**BOX 190 - INSTALL FRONT COVER**

- 1 Attach & secure front cover with self tapping screws

Face Fix



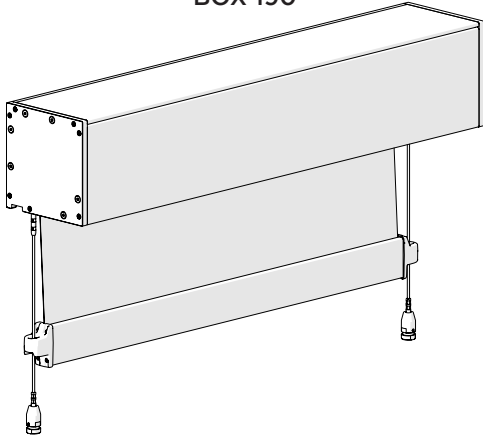
Side Fix



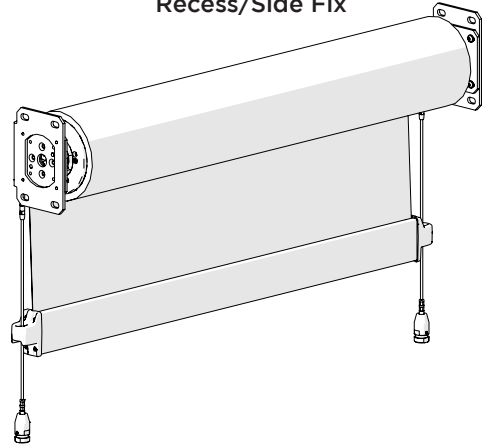
Position the screw 7-8mm from the end of the extrusion.  
Pre-drilling into the aluminium block may be required.

**TEST RUN INSTALLATION**

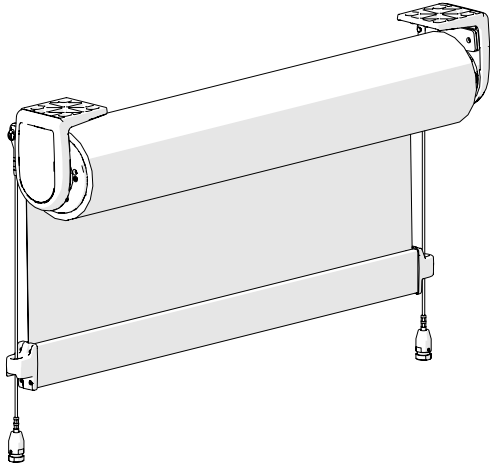
**BOX 190**



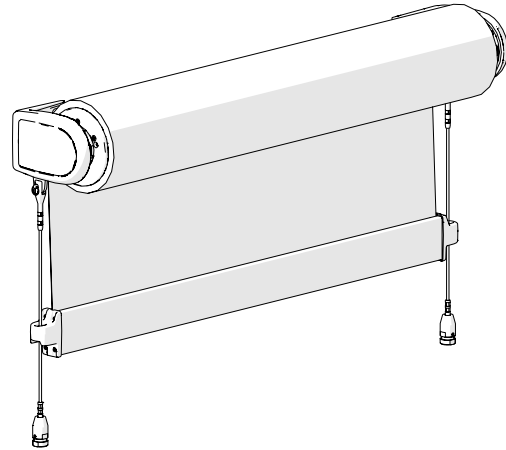
**Recess/Side Fix**



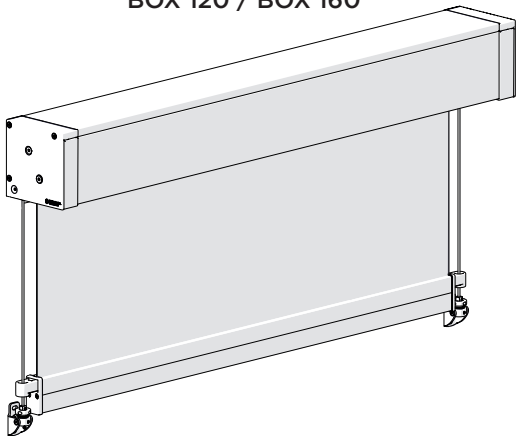
**Extreme Open Ceiling Fix**



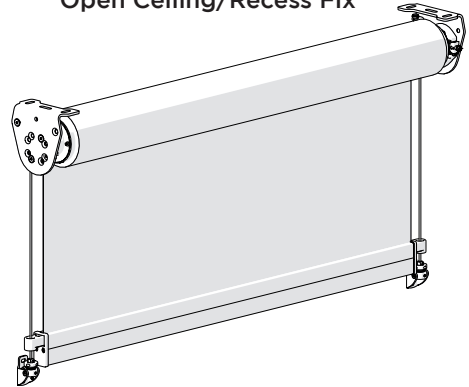
**Extreme Open Face Fix**



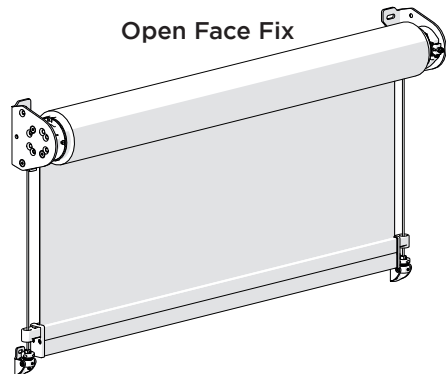
**BOX 120 / BOX 160**



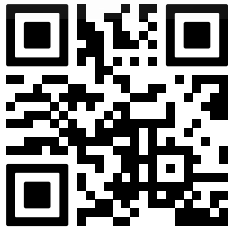
**Open Ceiling/Recess Fix**



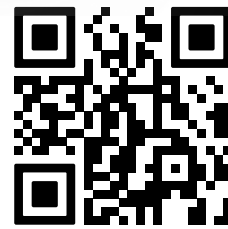
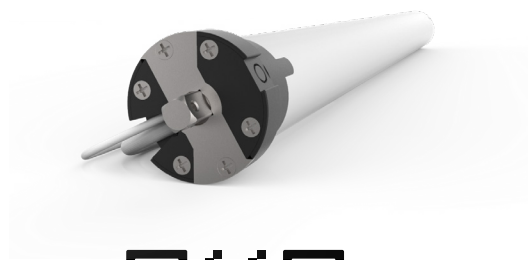
**Open Face Fix**



**PROGRAMMING INSTRUCTIONS**



Scan for AX Motor  
Programming Instructions



Scan for FT Motor  
Programming Instructions

**SECTION D | DOCUMENT CHANGE NOTES**

REVISION	CHANGES
v5.0   September 2023	Combined Wire Guide & Extreme Wire Guide Data.
v5.1   October 2024	Added Box 160 hardware.