



STRAIGHT DROP

ASSEMBLY MANUAL

v2.4 | September 2023

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DISCLAIMER

INTRODUCTION
This Assembly manual for Straight Drop has been produced by Rollease Acmeda to supply the necessary information for the safe and correct assembly of Straight Drop.

DISCLAIMER
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SECTION A | TOOLS AND ADDITIONAL ITEMS REQUIRED

TOOLS REQUIRED

- Saw
- Drill
- Screw Driver – Philips Head & Flat Head
- Jaw Pliers
- Allen Key Set
- Mallet
- Scissors
- Measuring Tape
- Pencil

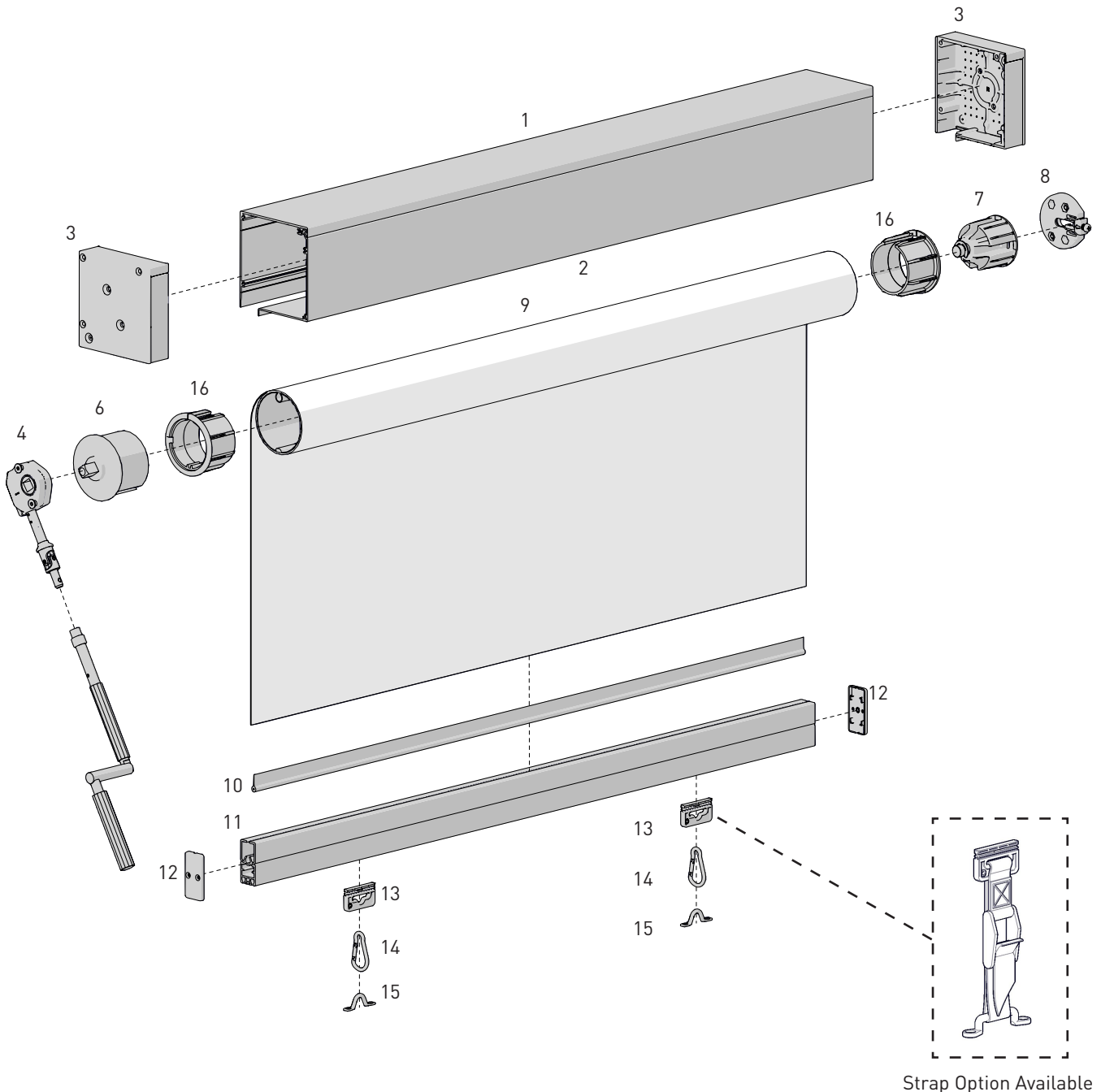
ADDITIONAL ITEMS REQUIRED (NOT SUPPLIED)

To assemble a Straight Drop, the following non-stocked items are required:

- Fabric

PART A – OVERVIEW

STRAIGHT DROP, BOX 120, GEAR, F56 WEIGHT BAR



Strap Option Available

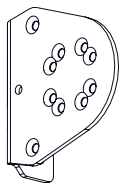
SYSTEM INDEX:

1.	Box 120 Back	10.	7.2mm Tail Spline
2.	Box 120 Cover	11.	Weight Bar
3.	Box 120 End Plate Set + Screws	12.	Weight Bar Plain End Cap
4.	Gear 5:1	13.	25mm Strap Down Loop
5.	Crank Control Arm	14.	Strap Down Spring Clip – 50mm
6.	Crank Adaptor – 63mm & 78mm Tube	15.	Strap Down Pad Eye Saddle – 30mm
7.	Idler	16.	78mm Tube Adaptor
8.	Idler/Spring Adaptor		
9.	Tube - 78mm AL & STEEL, 78mm HD AL		

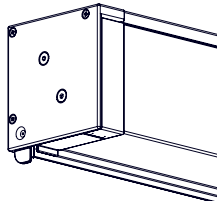
PART B – SYSTEM OPTIONS

BRACKET OPTIONS

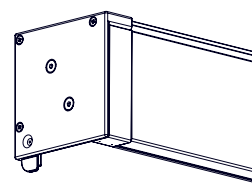
OPEN BRACKETS



BOX 120
FULL COVER

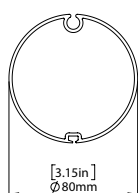


BOX 120
SEMI COVER

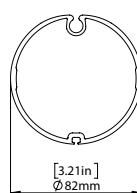


TUBE OPTIONS

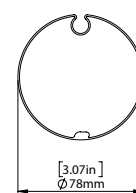
78mm STD ALUMINIUM



78mm HD ALUMINIUM



78mm STEEL



CONTROL OPTIONS

MOTOR

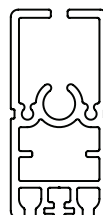


GEAR

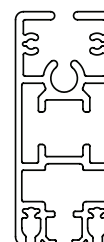


WEIGHT BAR OPTIONS

F56

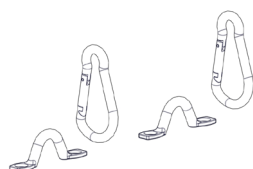


F72

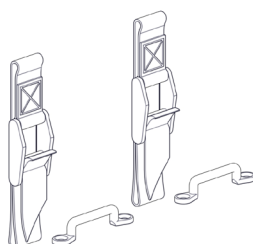


LOCK OPTIONS

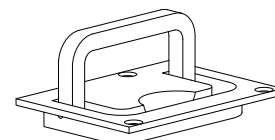
STRAP DOWN - CLIP



STRAP DOWN - STRAP



FLUSH MOUNT STRAP DOWN LOOP



PART C – BOM & DEDUCTIONS

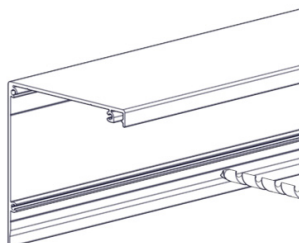
		PART NUMBER	DESCRIPTION	U.O.M	QTY	STRAIGHT DROP	
						BOX 120	OPEN
INSTALL OPTIONS	BOX 120	RE01-0101-xxxLLL	Box 120 Back	mm (in)	1	W - 66 (2.60)	
		RE01-0102-xxxLLL	Box 120 Front Cover	mm (in)	1		
		RE01-0103-xxxLLL	Box 120 Semi Cover				
		RE01-1101-xxx120	Box 120 End Plates	Set	1		
	OPEN	RE01-3020-xxx000	Open Brackets ROUND Mild Steel	Set	1		
		RE01-3021-xxx000	Open Brackets ROUND Stainless Steel				
STRAIGHT DROP		RE91-1102-xxx025	25mm Strap Down Loop - Plastic	Piece	2		
		RE91-1104-xxx030	Strap Down Pad Eye Saddle – 30mm	Piece	2		
		RE91-1103-xxx050	Strap Down Spring Clip – 50mm	Piece	2		
		RE91-1101-013025	25mm Footman Loop - S/S	Piece	2		
		RE91-1111-013025	25mm Footman Loop - S/S w/ Screws F72	Set	2		
		RE91-1105-009000	Flush Mount Strap Down Loop	Set	2		
		RE91-0100-025025	25mm Cam Buckle & Strap Assembly	Set	2		
CONTROL OPTIONS	GEAR	RE01-0513-xxx002	Gear 5:1 [7.5Nm]	Set	1		
		RE01-0517-xxx002	Gear 8:1 [20Nm]				
		RE01-0502-050045	Crank Adaptor 45mm	Piece	1		
		RB05-9102-xxx000	Gear/Crank Operation Arm Support	Piece	1		
		RB05-9101-xxxLLL	Gear/Crank Operation Control Arm - 100 / 150 / 200 cm	Piece	1		
	MOTOR	MT01-1145-050001	AUTOMATE ARC FT Motor [Ø45/15Nm/15rpm] (AU)	Unit	1		
		MT01-1145-050012	AUTOMATE ARC FT Motor Long Conn. [Ø45/15Nm/15rpm] (AU)				
		MT01-1145-069003	AUTOMATE ARC FT SLIM Motor [Ø45/15Nm/32rpm] (US)				
		Refer Catalogue.	AUTOMATE Remotes & Sensors or Accessories	-	-		
		RE01-0603-025000	AUTOMATE Veue 45mm SLIM MOTOR 10mm Sq. Shaft (US)	Set	1		
		RE01-0601-025000	AUTOMATE Veue 45mm Motor Bracket Adaptor + Screws (US)	Set	1		
		MT03-0106-050006	AUTOMATE 78mm Drive Wheel - Single Piece	Piece	1		
		MT03-0106-050005	AUTOMATE Crown 45mm to 78mm Tube w/ Screws	Piece	1		
		MTCLIP-35-45	Motor Drive Clip for 35/45mm Motors (US)	Piece	1		
IDLER		RE01-0214-050000	Idler/Spring Adaptor MKII + Screws	Set	1		
		RE01-0213-050045	Bearing Idler 45mm	Piece	1		
WEIGHT BAR OPTIONS		RE15-0101-xxxLLL	F56 HD Weight Bar	mm (in)	1	W - 70 (2.76)	
		RE15-0112-xxxLLL	F72 Multi-Bar				
		RE15-0501-xxx000	F56 Plain End Cap w/ screws	Set	1		
		RE15-0540-050000	F72 Plain End Cap Set w/ screws	Set	1		
		SB91-0408-001015	7.2mm PVC Spline with 15mm tail 100m roll	mm (in)	1	W - 70 (2.76)	
		SB91-0409-050015	7mm Fabric Spline with 15mm tail 100m roll				
		SB91-1015-050200	F56 Ballast - 20 x 5mm Ballast x 2m (0.8kg/m) Wrapped	mm (in)	0 - 4	W - 70 (2.76)	
TUBE PARTS		RE01-0377-000LLL	78mm STD Tube w/ screw features	mm (in)	1	W - 68 (2.68)	
		RE01-0380-000LLL	78mm HD Tube w/ screw features				
		AW92-0901-000LLL	78mm Steel Tube				
		SB91-0408-001015	7.2mm PVC Spline w/ 15mm Tail 100m roll	mm (in)	1	W - 70 (2.76)	
		SB91-0409-050015	7mm Fabric Spline w/ 15mm Tail 100m roll				
FABRIC	NOT SUPPLIED		Fabric Width	mm (in)	1	W - 70 (2.76)	
			Fabric Drop			78 Tube: D + 250 (9.84)	

PART A – BOX 120 PREPARATION

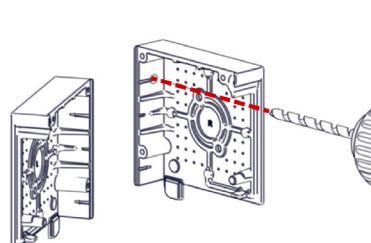
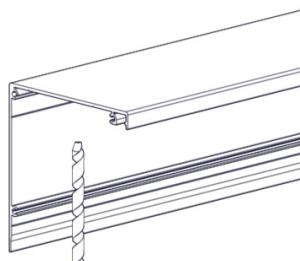
PREPARE BOX 120 BACK (REQUIRED FOR BOX INSTALLATIONS WITH MOTOR ONLY)

Drill hole for Motor Cable

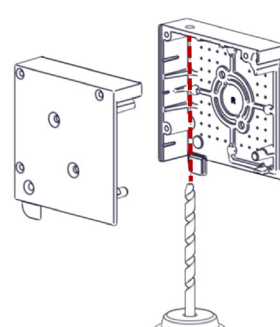
Note: Two options have been detailed, due to space restrictions, some applications may require a Motor Cable hole at an alternative location (E.g. End Plate). This must be determined at the 'Measure & Quote' stage.



OPTION 1 : DRILL IN BOX

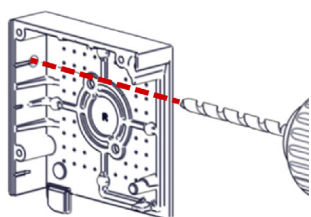


OPTION 2 : DRILL IN BRACKET

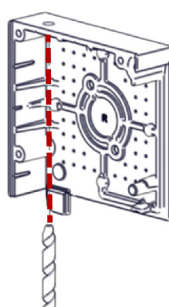


DRILL CLEARANCE HOLES IN 'END PLATE' TO FACILITATE INSTALLATION FIXINGS

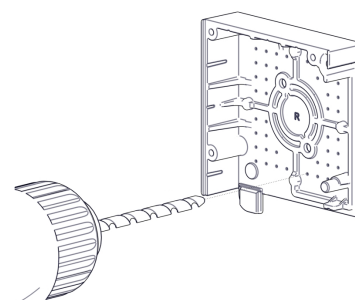
FACE FIX



TOP FIX

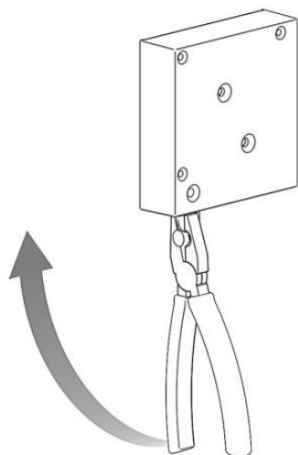


RECESS FIX



PART A – BOX 120 PREPARATION

REMOVE EARS FROM END PLATES



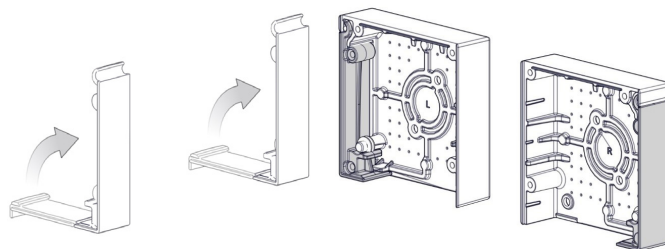
NOTE:

Recommended Procedure:

- Pliers are to be used to remove break-off ears
- Clean the break with a file as required

REMOVE END PLATE COVER LEG

Only required when SEMI COVER is used, or on the Crank Control side.



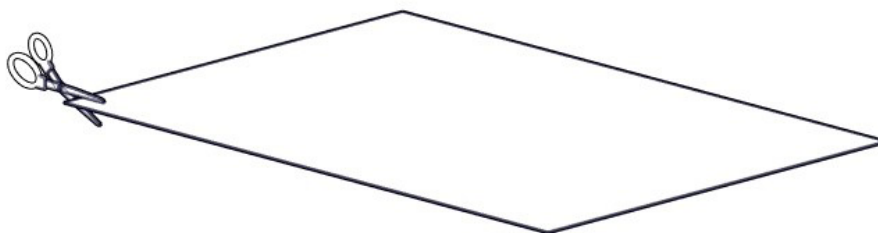
NOTE:

Recommended Procedure:

- Pliers are to be used to remove break-off leg
- Clean the break with a file as required

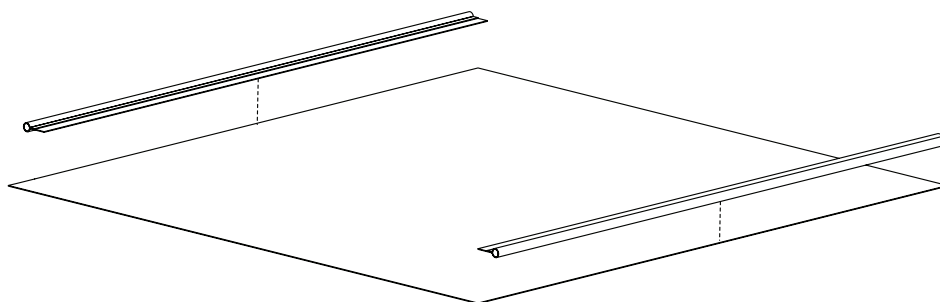
PART B – FABRIC PREPARATION

STEP 1 – CUT FABRIC TO SIZE

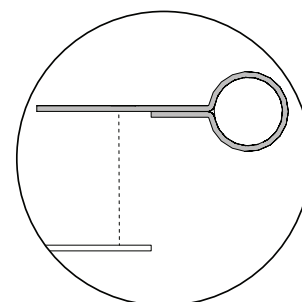


STEP 2 – WELD SPLINES

Ensure finished fabric is square.

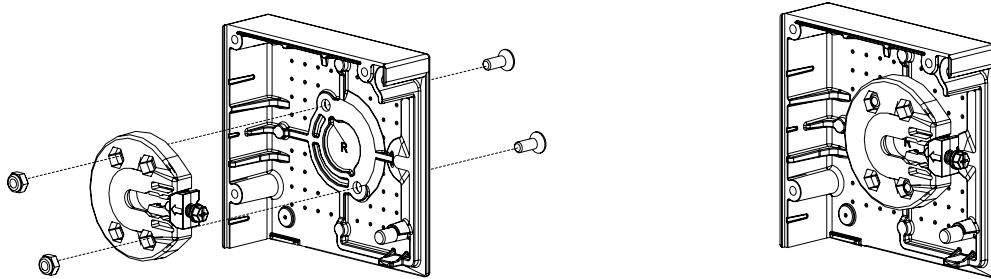


Fabric Tail Spline



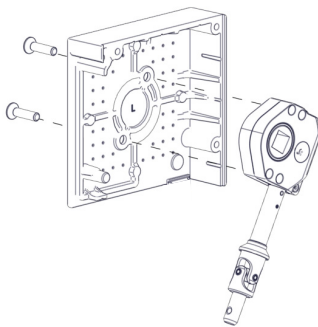
PART A – BOX ASSEMBLY

STEP 1 – ATTACH IDLER/SPRING ADAPTOR TO END PLATE

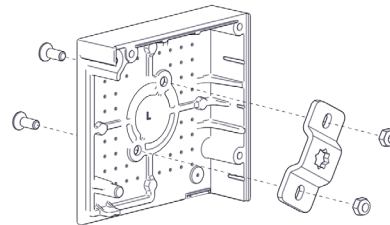


STEP 2 – ATTACH CONTROL / ADAPTOR TO END PLATE

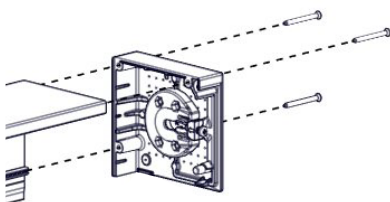
GEAR OPTION



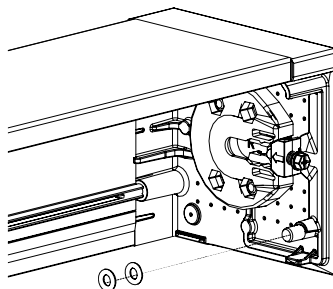
MOTOR OPTION



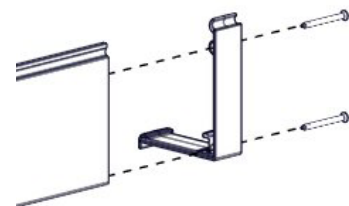
STEP 4 – ATTACH END PLATES TO BOX BACK (X2)



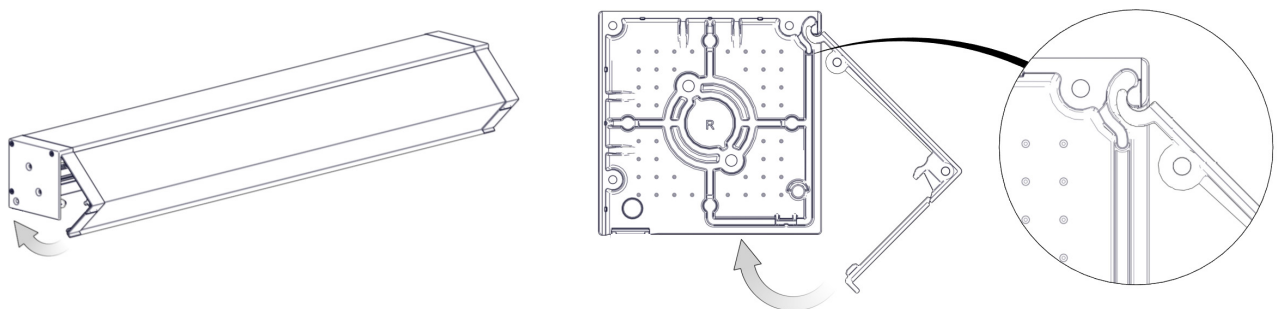
STEP 5 – SLIDE O-RINGS ONTO EACH END PLATE (X2)



STEP 6 – ATTACH END PLATE COVERS TO BOX COVER (X2)



STEP 7 – PREPARE BOX FOR TRANSPORTATION: SWING BOX COVER INTO BOX BACK



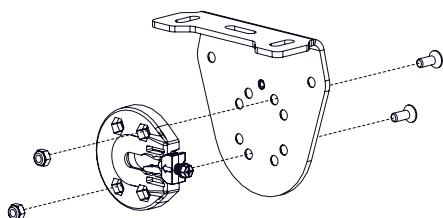
Align the Box Cover ends into the End Plates – Rotate and push to snap shut.

NOTE: For longer blinds it is recommended to support the middle of the extrusion when swinging into lock position.

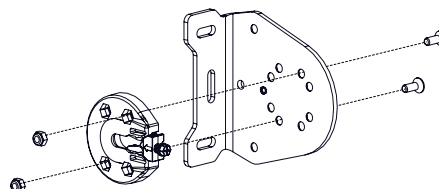
PART B – OPEN BRACKET ASSEMBLY

STEP 1 – ATTACH IDLER/SPRING ADAPTOR TO BRACKET

TOP FIX

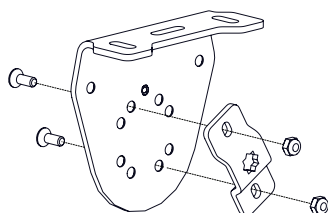


FACE FIX

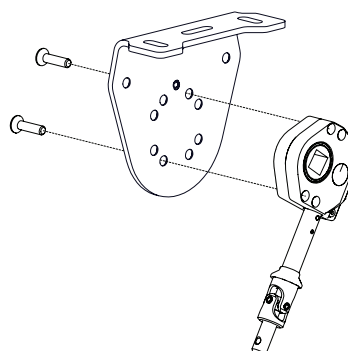


STEP 2 – ATTACH CONTROL / ADAPTOR TO BRACKET

MOTOR OPTION



GEAR OPTION

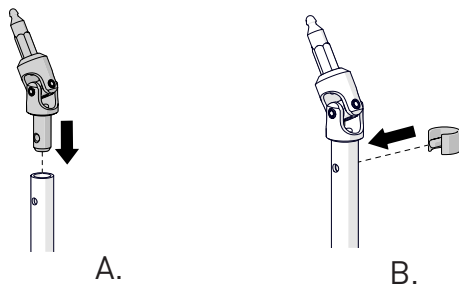


PART C – GEAR ASSEMBLY

STEP 1 – ATTACH UNI-JOINT TO GEAR ARM

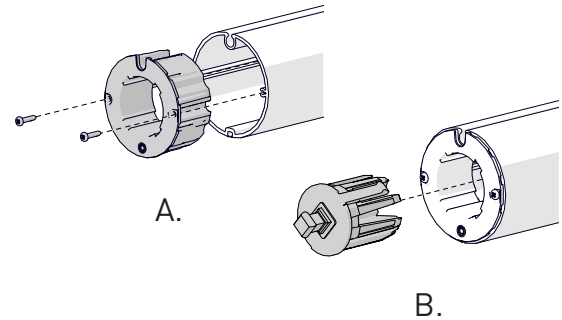
Remove Uni-Joint attachment
(if it has not already been previously assembled)

- Insert uni-joint into crank handle.
- Insert c-clip pin through shaft hole to secure uni-joint.



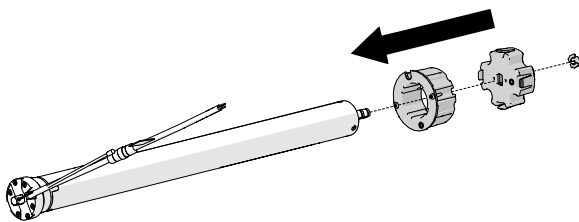
STEP 2 – ATTACH CROWN & ADAPTOR

- Insert crown into tube and fasten into place.
- Insert crank adaptor into crown until it locks into place.

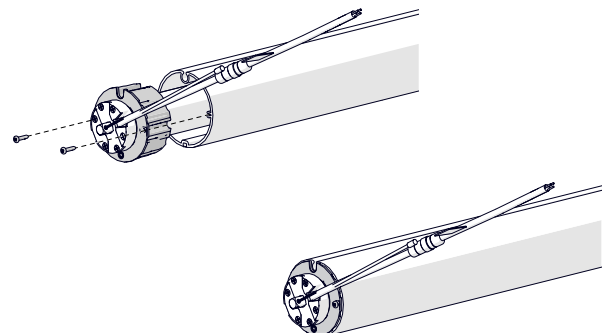


PART D – MOTOR ASSEMBLY

STEP 1 – ASSEMBLE CROWN, DRIVE AND CLIP

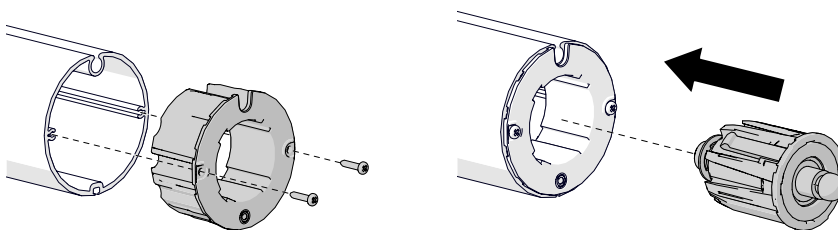


STEP 2 – INSERT MOTOR IN TUBE AND FASTEN CROWN IN PLACE

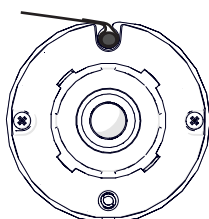


PART E – IDLER ASSEMBLY

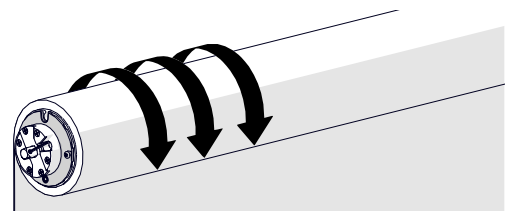
STEP 1 – INSERT IDLER INTO TUBE



STEP 2 – INSERT FABRIC INTO TUBE

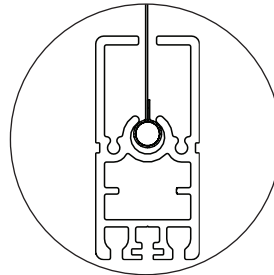
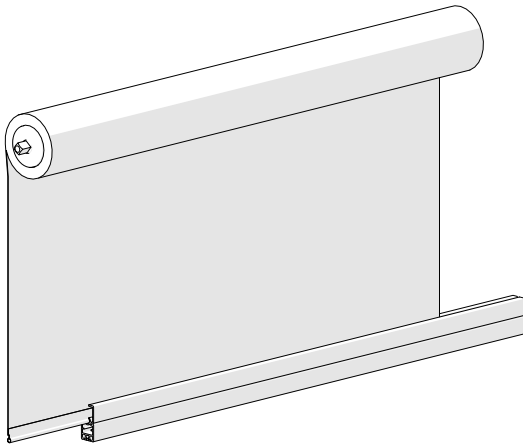


STEP 3 – ROLL FABRIC ONTO TUBE

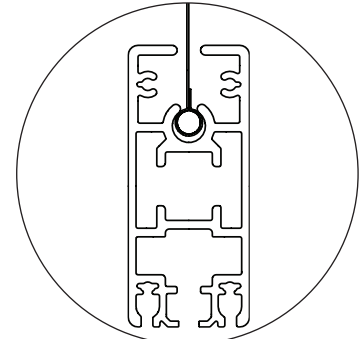


PART F – WEIGHT BAR ASSEMBLY

STEP 1 – SLIDE WEIGHT BAR ONTO FABRIC

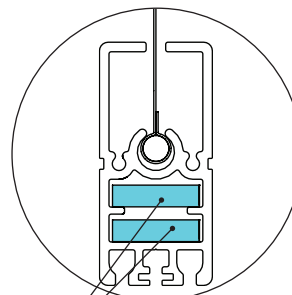
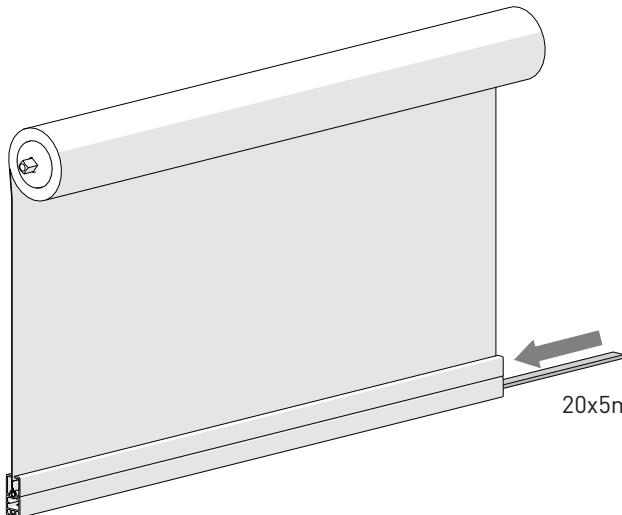


F56



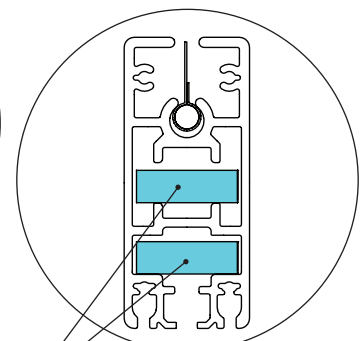
F72

STEP 2 – IF REQUIRED, INSERT BALLAST



F56

20x5mm (0.79"x0.20") Flat Bar Ballast
(x1 or x2, Optional)

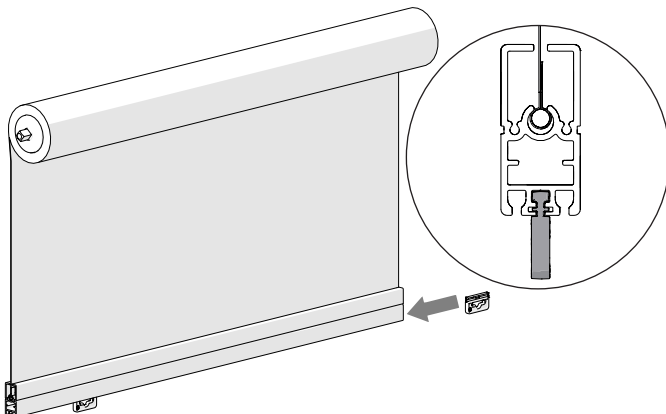


F72

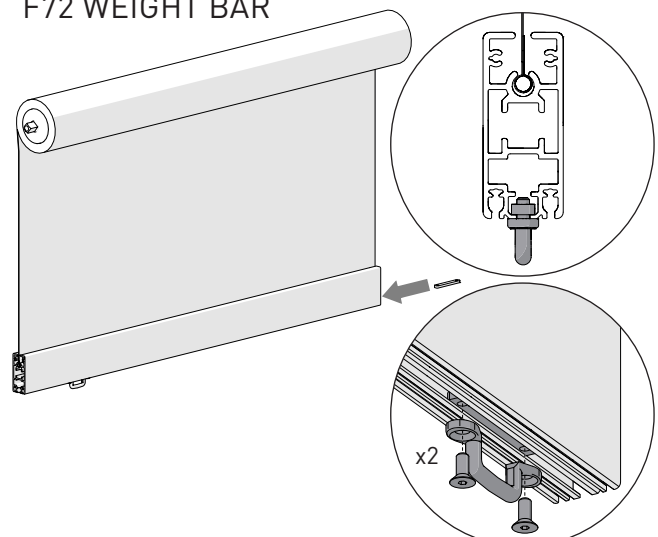
25x8mm (0.99"x0.32") Flat Bar Ballast
(x1 or x2, Optional)

STEP 3 – INSERT STRAP DOWN LOOP

F56 WEIGHT BAR



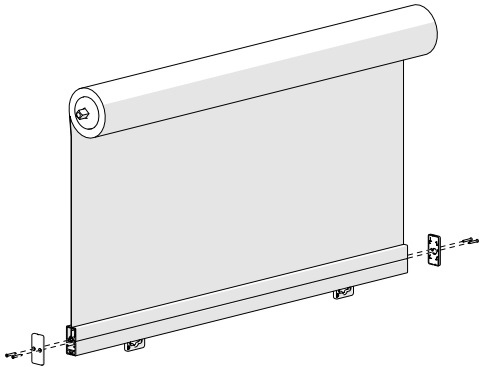
F72 WEIGHT BAR



PART F – WEIGHT BAR ASSEMBLY

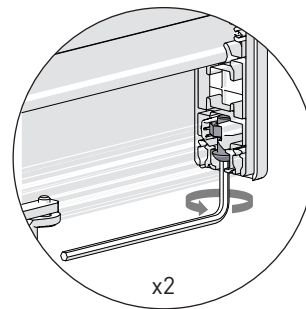
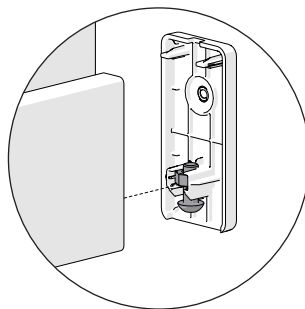
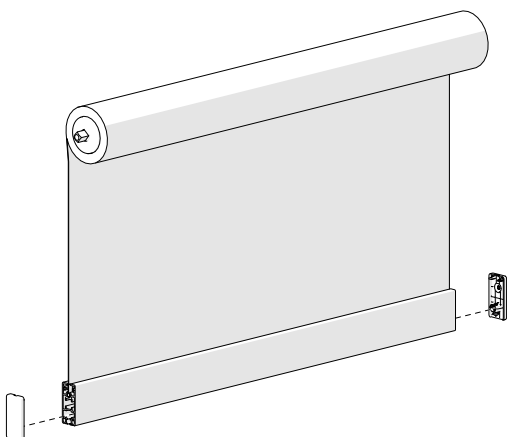
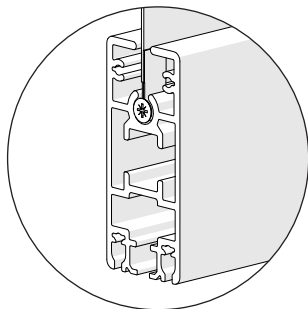
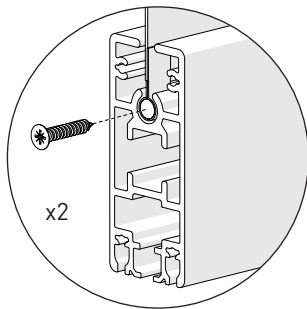
STEP 4 – INSERT AND SECURE ENDCAPS

F56 WEIGHT BAR



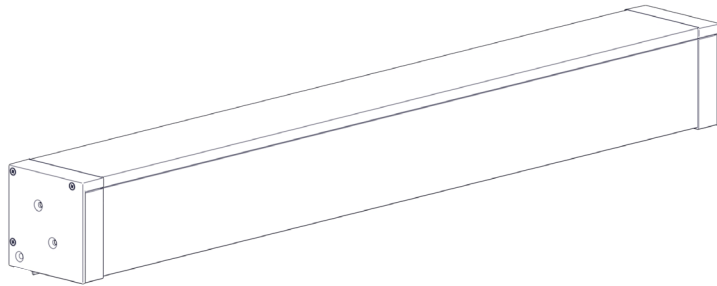
F72 WEIGHT BAR

A Countersunk Screw may be used to pin the spline into the weight bar fabric slot.



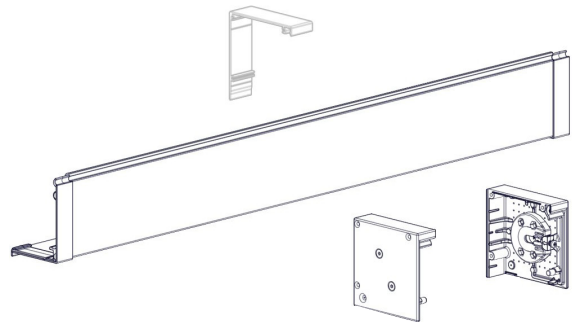
PART G – PREPARE & PACK ASSEMBLIES READY FOR TRANSPORTATION & INSTALLATION

BOX 120 (FULL OR SEMI COVER)



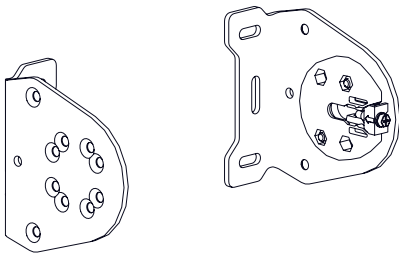
BOX 120 FASCIA

A 40mm offcut of the Box 120 Back is recommended every 1200mm to support the Cover.



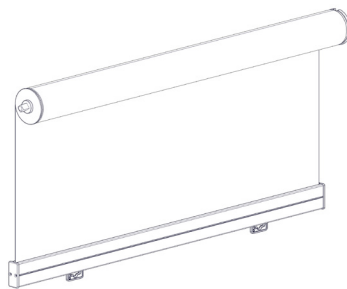
NOTE: Ensure to pre-drill holes before fixing

OPEN BRACKETS

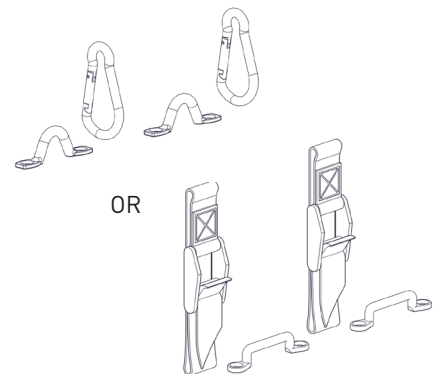


NOTE: Store Idler/Spring Adapter retaining clip until required (can be left in adaptor as shown)

BLIND



STRAP DOWN HARDWARE



DOCUMENT CHANGE NOTES

REVISION	CHANGES
v2.3 August 2022	Removed coating specifications (moved to separate document). Removed 63mm hardware. Removed Standard Idler. Updated Weight Bar & Fabric deductions to minimise light gap and reduce exposed tube. (see page 6, 7)
v2.4 September 2023	Updated crank adaptor in images. Updated BoM & Deductions Tables.