



PIVOT ARM

ASSEMBLY MANUAL

v3.3 | September 2023



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DISCLAIMER

INTRODUCTION

This Assembly manual for Pivot Arm Systems has been produced by Rollease Acmeda to supply the necessary information for the safe and correct assembly of a Pivot Arm System.

DISCLAIMER

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SECTION A | TOOLS AND ADDITIONAL ITEMS REQUIRED

PART A – TOOLS REQUIRED

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

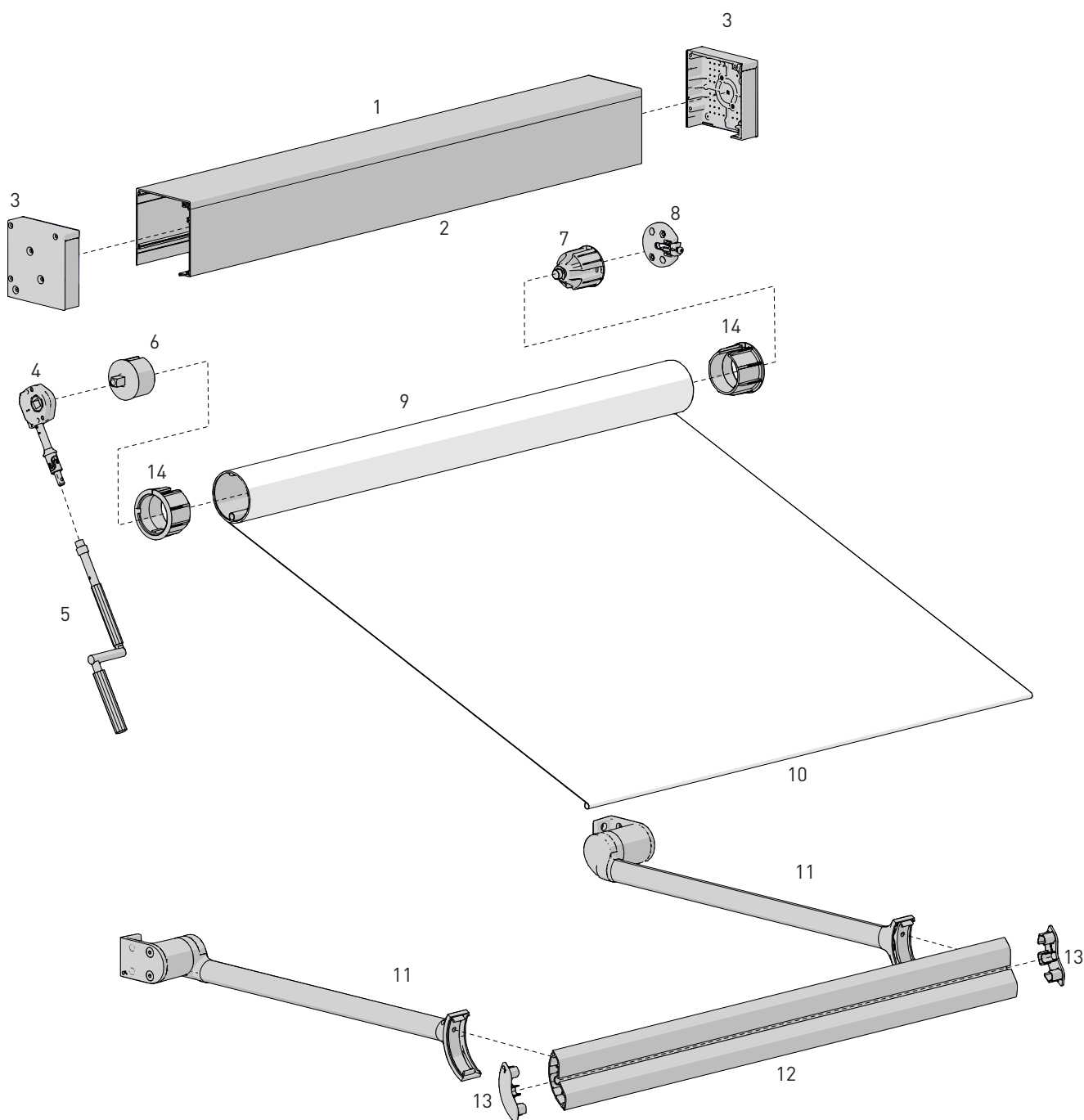
PART B – ADDITIONAL ITEMS REQUIRED (NOT SUPPLIED)

To assemble a Pivot Arm, the following non-stocked items are required:

- Fabric

PART A – OVERVIEW

PIVOT ARM, BOX 120, GEAR



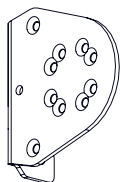
SYSTEM INDEX:

1.	Box 120 Back	10.	7mm Tail Spline
2.	Box 120 Cover	11.	Pivot Arms
3.	Box 120 End Plate Set + Screws	12.	Pivot Arm Terminal Bar
4.	Gear 8:1	13.	Pivot Arm Terminal Bar End Cap Set
5.	Crank Control Arm	14.	78mm Tube Adaptor
6.	Crank Adaptor		
7.	Idler		
8.	Idler/Spring Adaptor		
9.	Tube - 78mm AL & Steel, 78mm HD AL		

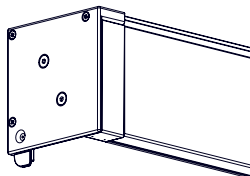
PART B – SYSTEM OPTIONS

BRACKET OPTIONS

OPEN BRACKETS

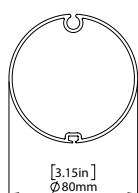


BOX 120
SEMI COVER

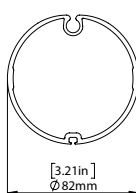


TUBE OPTIONS

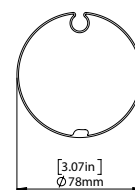
78mm STD ALUMINIUM



78mm HD ALUMINIUM



78mm STEEL



CONTROL OPTIONS

MOTOR



GEAR



PART C – BOM & DEDUCTIONS

		PART NUMBER	DESCRIPTION	U.O.M	QTY	PIVOT ARM	
						BOX 120	OPEN
INSTALL OPT.	BOX 120	RE01-0101-xxxLLL	Box 120 Back	mm (in)	1	W - 66 (2.60)	
		RE01-0103-xxxLLL	Box 120 Semi Cover	mm (in)	1		
		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				
PIVOT ARMS		AW05-0701-xxx160	Pivot Arms - 1.6m	Piece	1		
CONTROL OPTIONS	GEAR	RE01-0517-xxx002	Gear 8:1 [20Nm]	Set	1		
		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	RE29-0102-xxxLLL	Pivot Arm Terminal Bar	mm (in)	1	W - 70 (2.76)		
	AW05-0801-xxx000	Pivot Arm Cover Cap for Terminal Bar	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					
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					
	SH91-0135-050200	Zip No. 6 Gauge, Double Sided [For 78 AL Tube ONLY]	mm (in)	1	W - 70 (2.76)		
	SB91-0408-001015	7.2mm PVC Spline w/ 15mm Tail 100m roll					
	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)		

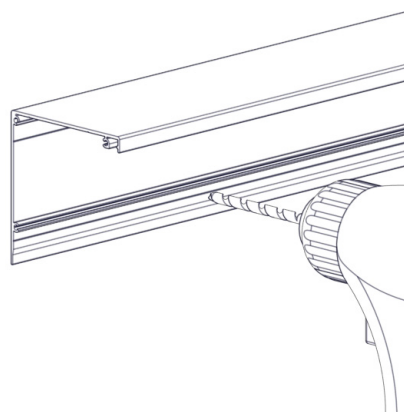
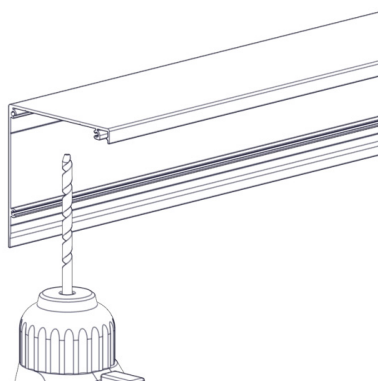
PART A – BOX 120 PREPARATION

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

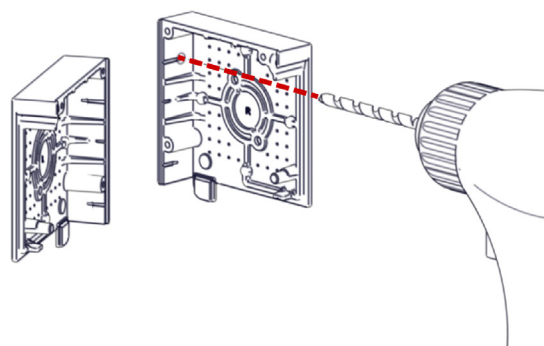
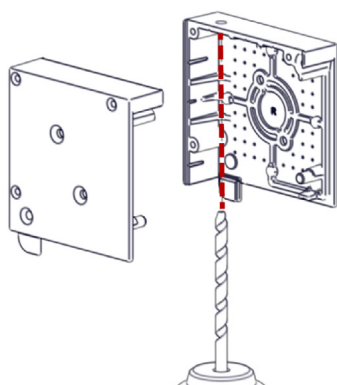
Drill hole for Motor Cable

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 : BACK BOX EXTRUSION

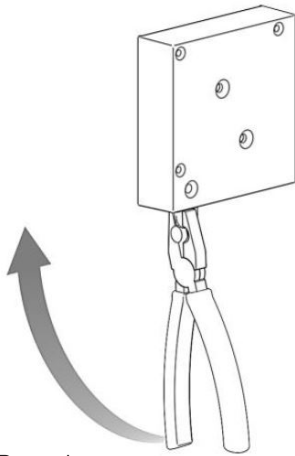


OPTION 2 : BACK BOX EXTRUSION



PART A – BOX 120 PREPARATION

REMOVE EARS FROM END PLATES



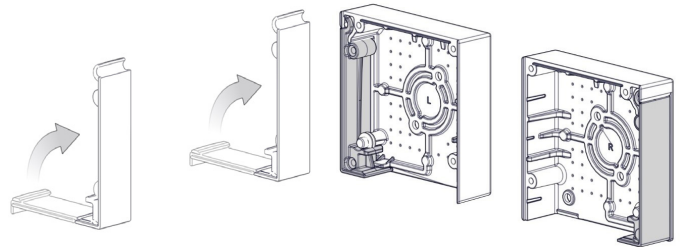
NOTE:

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.



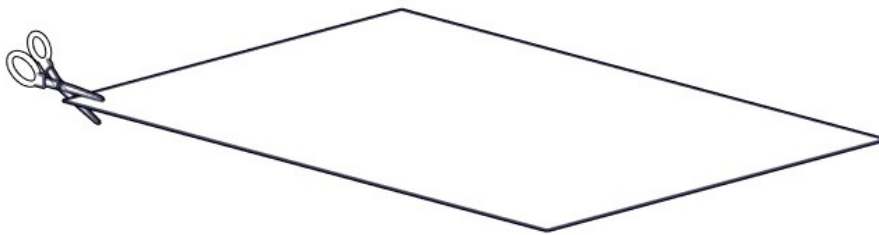
NOTE:

Recommended Procedure:

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

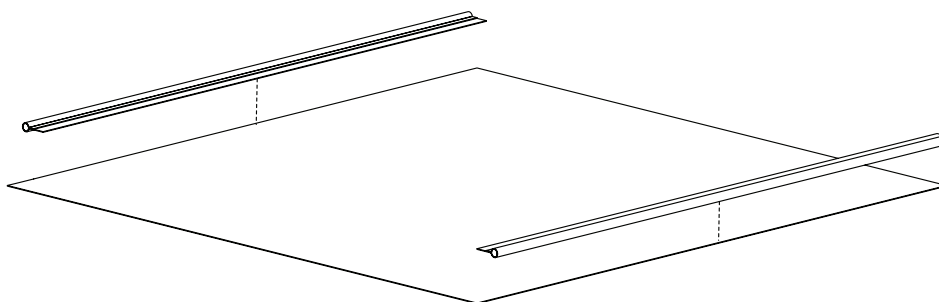
PART B – FABRIC PREPARATION

STEP 1 – CUT FABRIC TO SIZE

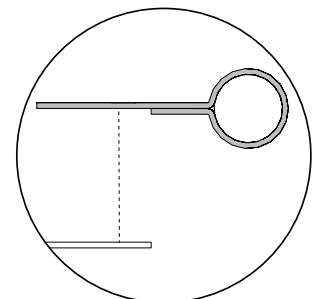


STEP 2 – WELD SPLINES

Ensure finished fabric is square.



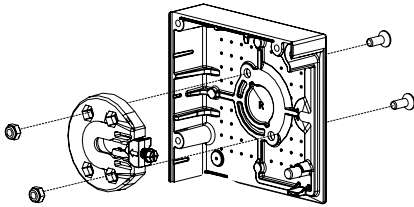
Fabric Tail Spline



PART A – BOX ASSEMBLY

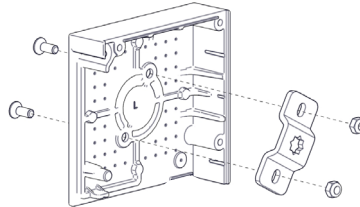
STEP 1 – ATTACH 'IDLER ADAPTOR' TO 'END PLATE'

IDLER

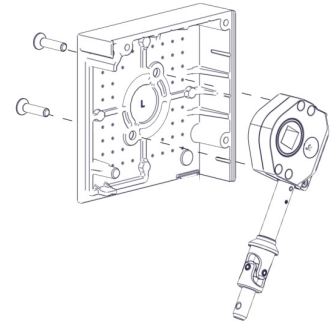


STEP 2 – ATTACH 'CONTROL ADAPTOR' TO 'END PLATE'

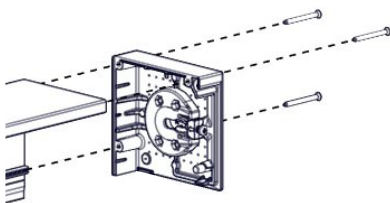
MOTOR OPTION



GEAR OPTION

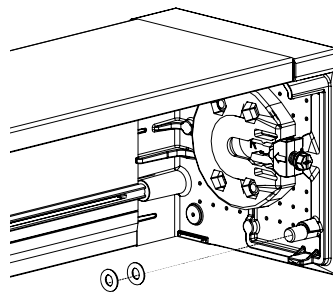


STEP 3 – ATTACH 'END PLATES' TO 'BOX BACK' X2



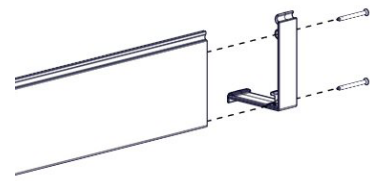
NOTE:
Attach each side

STEP 4 – SLIDE 'O-RINGS' ONTO EACH 'END PLATE' X2



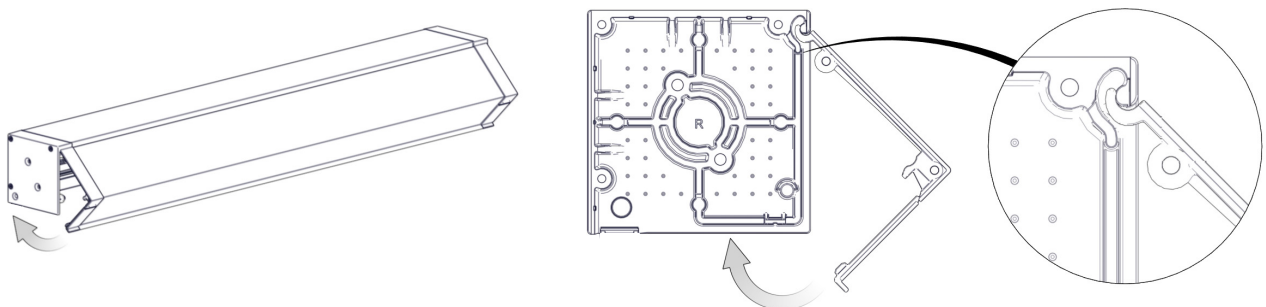
NOTE:
Attach each side

STEP 5 – ATTACH 'END PLATE COVERS' TO 'BOX COVER' X2



NOTE:
Attach each side

STEP 6 – PREPARE BOX FOR TRANSPORTATION: SWING 'BOX COVER' ONTO 'BOX BACK'



Align the 'Box Cover' ends into the End Plate of the 'Box Back' – Rotate and push to snap shut

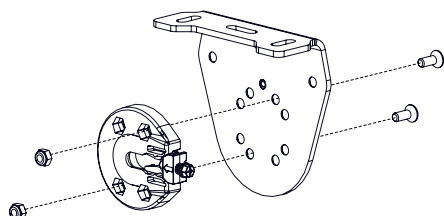
NOTE:

For longer blinds ACMEDA suggests supporting the middle of the extrusion when swinging into lock position.

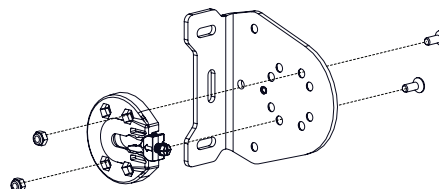
PART B – OPEN BRACKET ASSEMBLY

STEP 1 – ATTACH IDLER/SPRING ADAPTOR TO BRACKET

TOP FIX

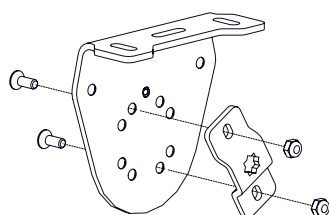


FACE FIX

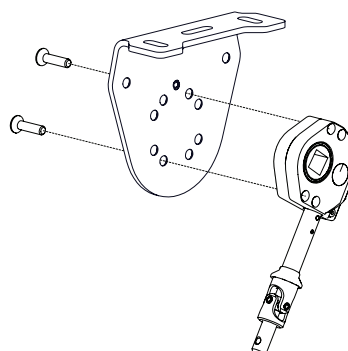


STEP 2 – ATTACH CONTROL / ADAPTOR TO BRACKET

MOTOR OPTION



GEAR OPTION

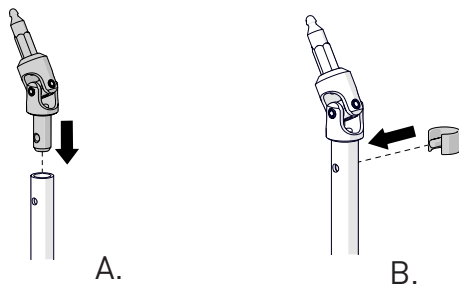


PART C – GEAR ASSEMBLY

STEP 1 – ATTACH UNI-JOINT TO GEAR ARM

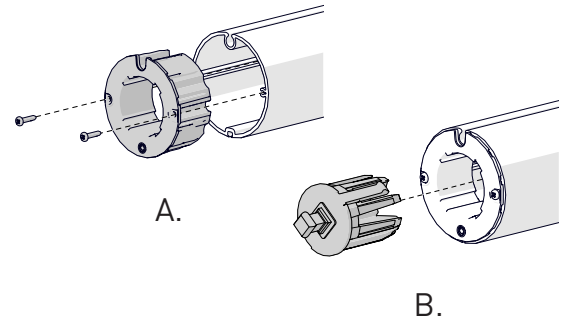
Remove Uni-Joint attachment
(if it has not already been previously assembled)

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



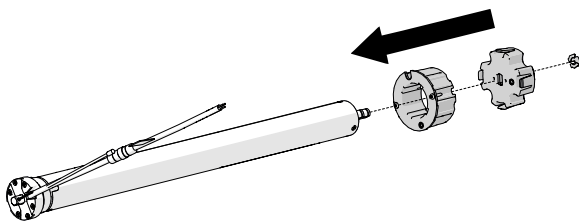
STEP 2 – ATTACH CROWN & ADAPTOR

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

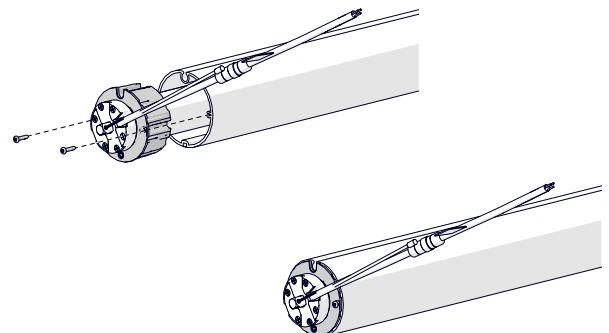


PART D – MOTOR ASSEMBLY

STEP 1 – ASSEMBLE CROWN, DRIVE AND CLIP

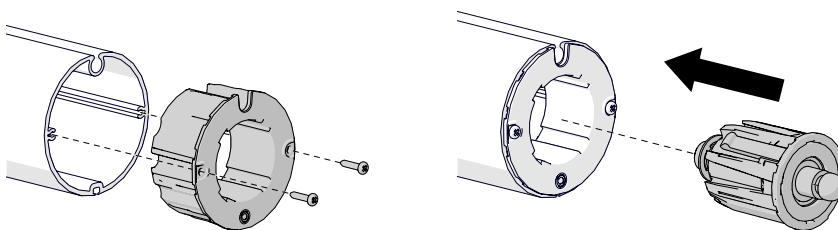


STEP 2 – INSERT MOTOR IN TUBE AND FASTEN CROWN IN PLACE

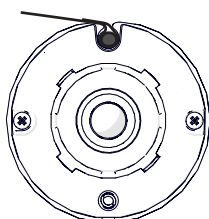


PART E – IDLER ASSEMBLY

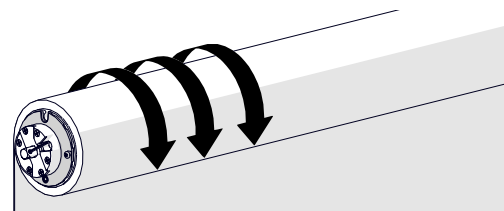
STEP 1 – INSERT IDLER INTO TUBE



STEP 2 – INSERT FABRIC INTO TUBE

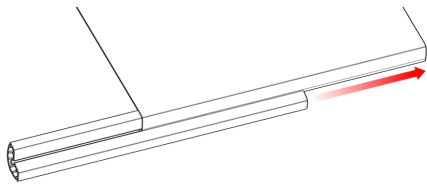


STEP 3 – ROLL FABRIC ONTO TUBE

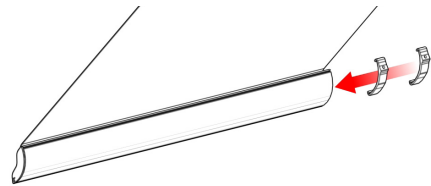


PART F – TERMINAL BAR ASSEMBLY

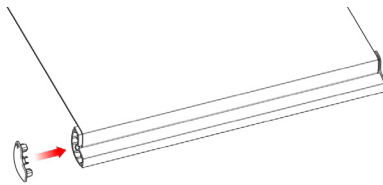
STEP 1 – SLIDE TERMINAL BAR ONTO FABRIC



STEP 2 – INSERT CLAMPS ONTO TERMINAL BAR

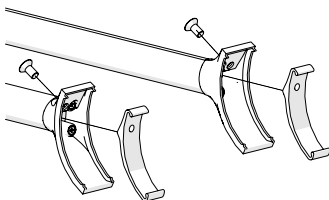


STEP 3 – INSERT END CAPS

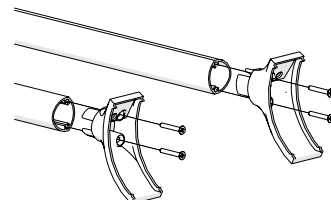


PART G – PIVOT ARM LENGTH

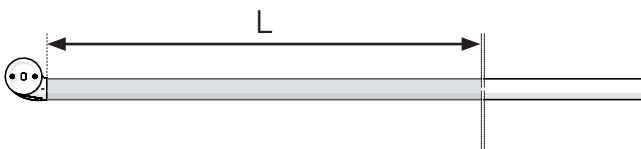
STEP 1 – REMOVE CLAMP PIECES FROM PIVOT ARMS



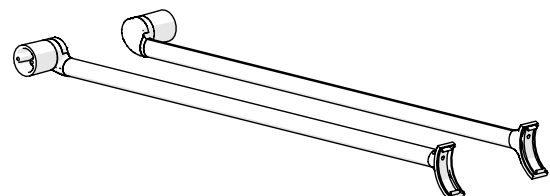
STEP 2 – REMOVE END PIECES FROM PIVOT ARMS



STEP 3 – CUT PIVOT ARM TO LENGTH



STEP 4 – RE-ASSEMBLE END PIECES

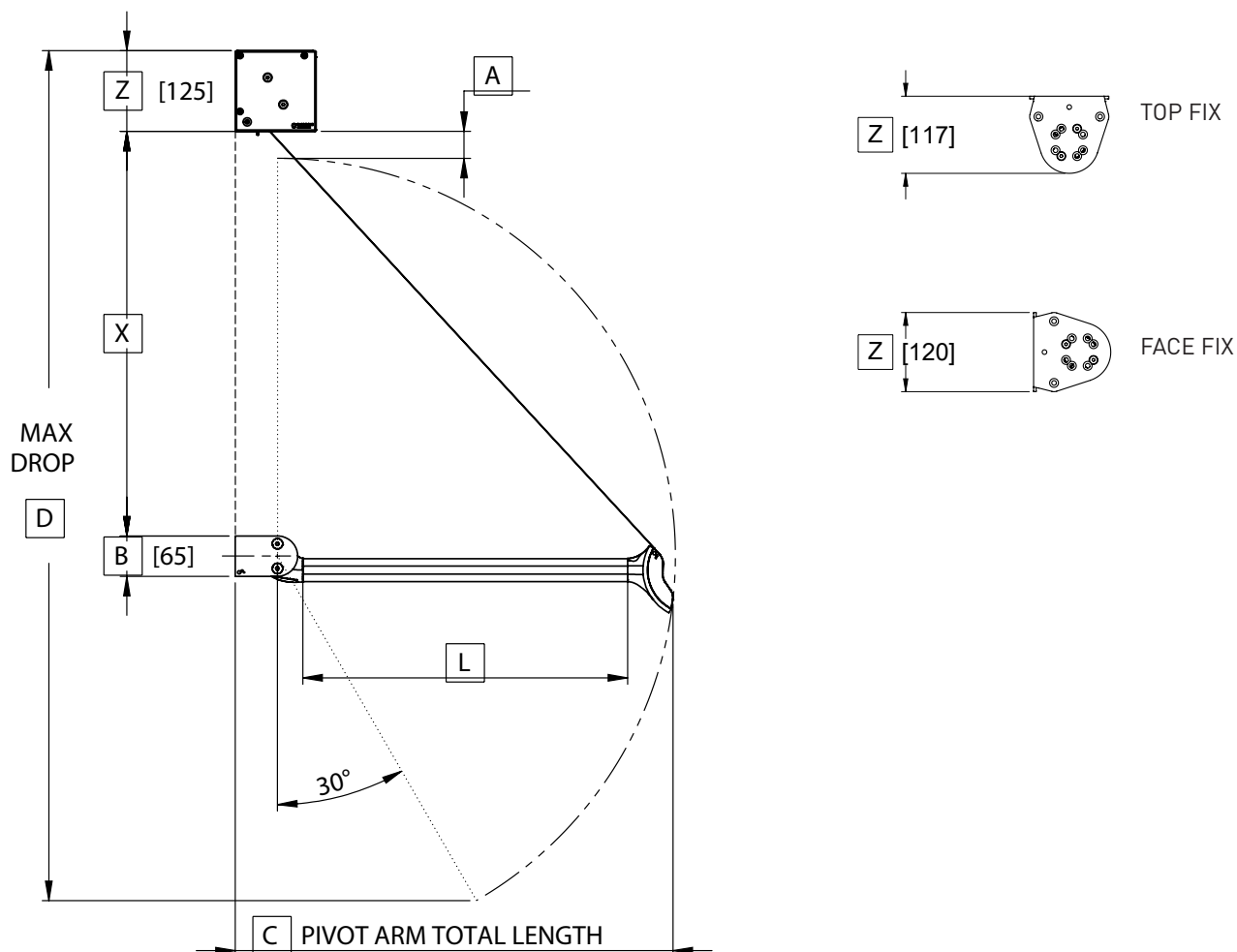


NOTE:

Refer to table on following page for cutting lengths.

PART H – PIVOT ARM LENGTH

STEP 1 – POSITION PIVOT ARMS



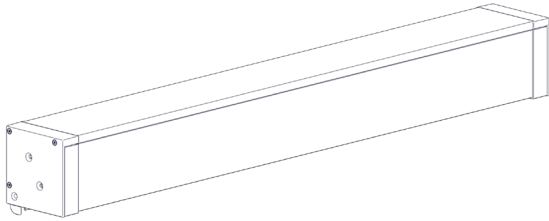
PIVOT ARM TOTAL LENGTH C	L	BOX 120		OPEN BRACKET FACE FIX	
		X	MAX DROP D	X	MAX DROP D
700	525	650	1352	600	1303
800	625	750	1539	700	1490
900	725	850	1725	800	1676
1000	825	950	1912	900	1863
1100	925	1050	2100	1000	2049
1200	1025	1150	2285	1100	2236
1300	1125	1250	2470	1200	2423
1400	1225	1350	2660	1300	2609
1500	1325	1450	2845	1400	2796
1600	1425	1550	3030	1500	2982
Z		125		FACE FIX = 120 TOP FIX = 117	
A		45		N/A	
B		65			

NOTE:

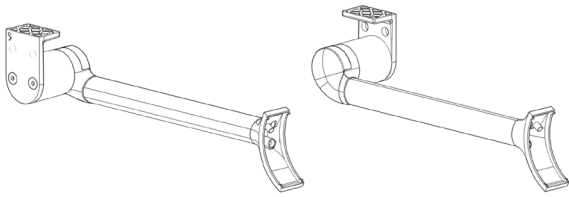
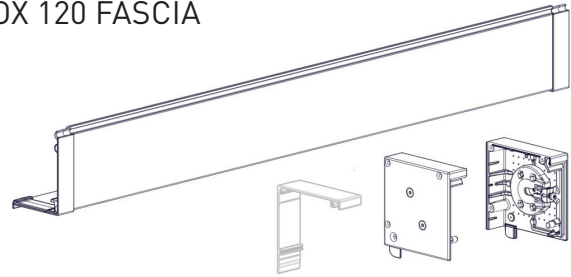
- ALL VALUES IN METRIC [mm]
- For Box 120 installations, [X] / [A] may be reduced but the fabric will likely rub on the Semi Cover.

PART I – PREPARE & PACK FOR TRANSPORTATION & INSTALLATION

BOX 120 - SEMI COVER

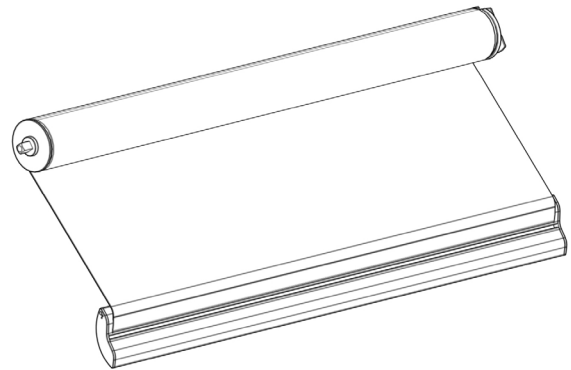


BOX 120 FASCIA

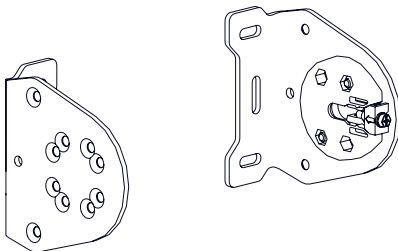


CHECK SHADE ITEMS:

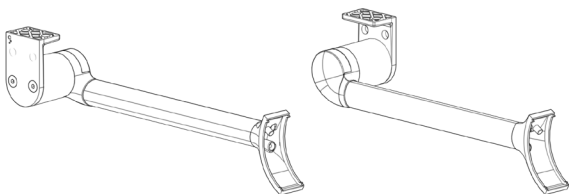
- Shade Tube Assembly
- Pivot Arms x2
- Box 120 Semi Cover Assembly OR
- Box 120 Fascia Cover & Brackets
- Box 120 Fascia Support Bracket (optional)



OPEN BRACKET

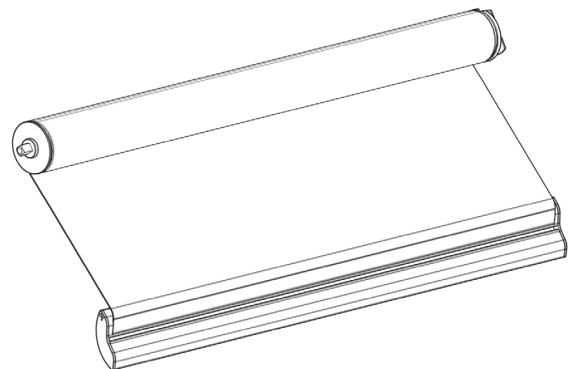


NOTE: Store Idler/Spring Adapter retaining clip until required (can be left in adaptor as shown)



CHECK SHADE ITEMS:

- Shade Tube Assembly
- Pivot Arms x2
- Open Bracket Assembly



DOCUMENT CHANGE NOTES

REVISION	CHANGES
v3.2 August 2022	Removed coating specifications (moved to separate document). Removed 63mm hardware. Removed Standard Idler.
v3.3 September 2023	Updated crank adaptor in images. Updated BoM & Deductions Tables.