

# Agridoor Pro Manual



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## Installation and Operating Instructions



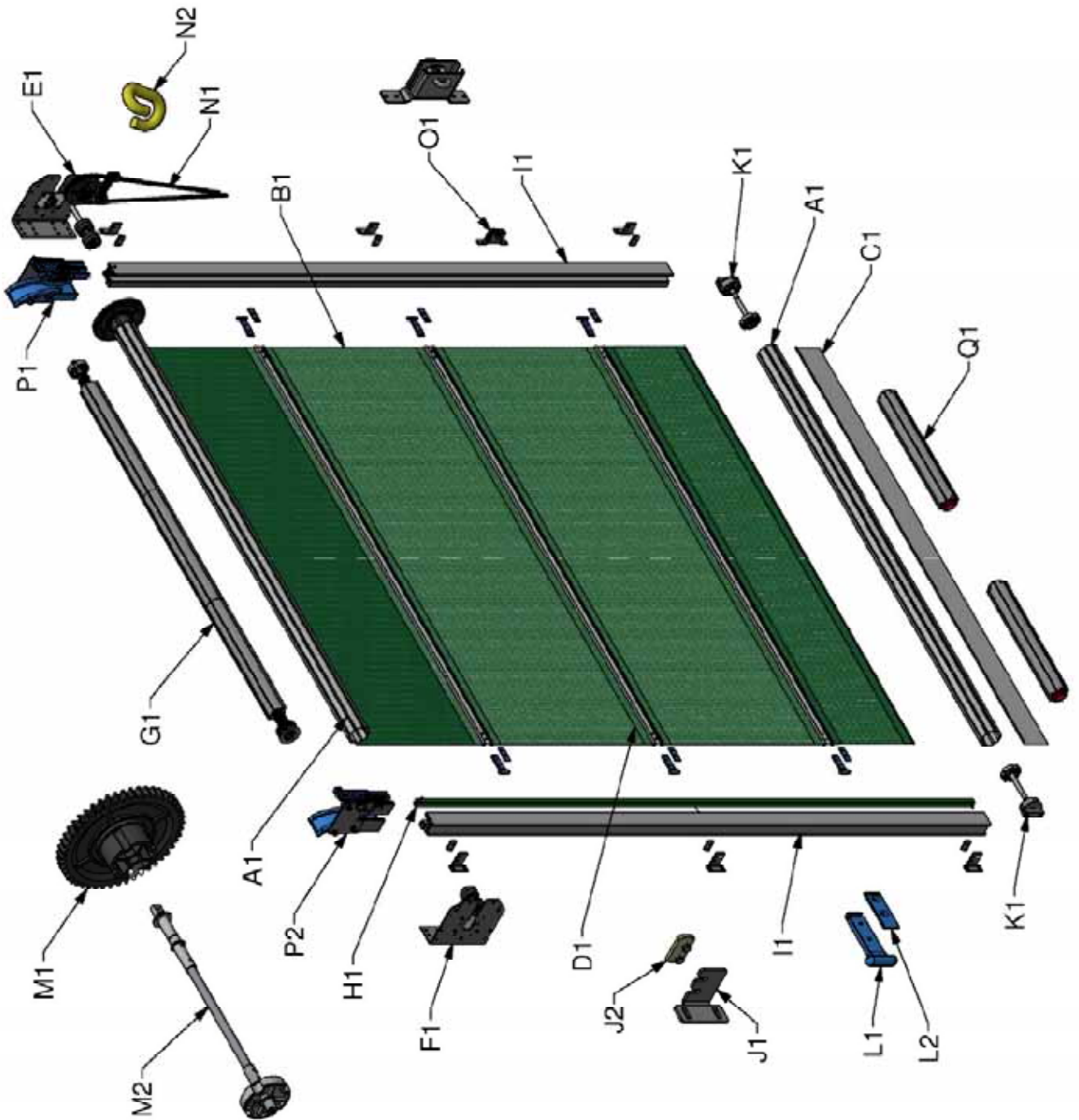


Figure 1, System Overview and Individual Components

**INTRODUCTION**

**Parts List**

REFERENCE:	QTY	PRODUCT DESCRIPTION
A1	2	Top and Bottom Tubes
B1	*	Fabric Panels
C1	1	Lower Flap
D1	*	Tension Bars
E1	1	Drive Bracket
F1	1	Free End Bracket
G1	1	Spring Assembly (Left-Hand Insertion Shown)
H1	*	Track Slide Insert
I1	2	Aluminium Tracking
J1	2	Track Mount Bracket
J2	2	Track Clamp Plate
K1	2	Bottom Tube Insert
L1	*	Wind Lock
L2	*	Wind Lock Plate
M1	1	25cm Gear
M2	1	Gear Drive Shaft
N1	1	Operating Chain
N2	1	Joining Link
O1	1	Chain Keep and Bracket Assembly
P1	1	Funnel Assembly RH
P2	1	Funnel Assembly LH
Q1	4	Bottom Tube Weights
R1	*	M8 x 16 Hex bolts for Track Clamp Plates
T1	*	M8 x 30 Hex Bolts for Fixing Tracking to Building
U1	8	M10 x 30 Hex Bolts for Fixing Brackets to a Steel Building
V1	*	M8 Nylocs for Fixing Tracking to Building
W1	20	M8 Washers
X1	8	M10 Washers
Y1	8	M10 Nylocs
Z1	2	75mm Split Pin to Secure Top Tube to Brackets
AA1	*	M6 x 16 Countersunk Screw and Nyloc Nuts
AB1	*	M4 x 25 Self-Drilling Screws for Fixing Fabric Panels, Inserts and Flap.
AC1	8	M5.5 x 19 Hex Self Drilling Screws

\* Quantities according to size of door

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**Your Safety**

The larger doors will require a mechanical lift to mount the roller assembly onto the top brackets. The respective weights are given in the table below based on M75 material. Add 5% to this figure for doors supplied with M90 fabric, and 15% for doors supplied with solid fabrics.

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WIDTH	HEIGHT			
	3.1m	4.1m	5.1m	6.1m
3.0m	29kg	32kg	34kg	36kg
3.5m	32kg	35kg	38kg	41kg
4.0m	35kg	38kg	42kg	45kg
4.5m	38kg	42kg	46kg	50kg
5.0m	41kg	45kg	50kg	54kg
5.5m	44kg	49kg	53kg	58kg
6.0m	47kg	52kg	57kg	63kg
6.5m	50kg	56kg	61kg	67kg

*Table 1, Roller Assembly Weights*

**Pre-Installation Check**

Figure 2 indicates space required to install your door, with additional information for mounting multiple doors in series.

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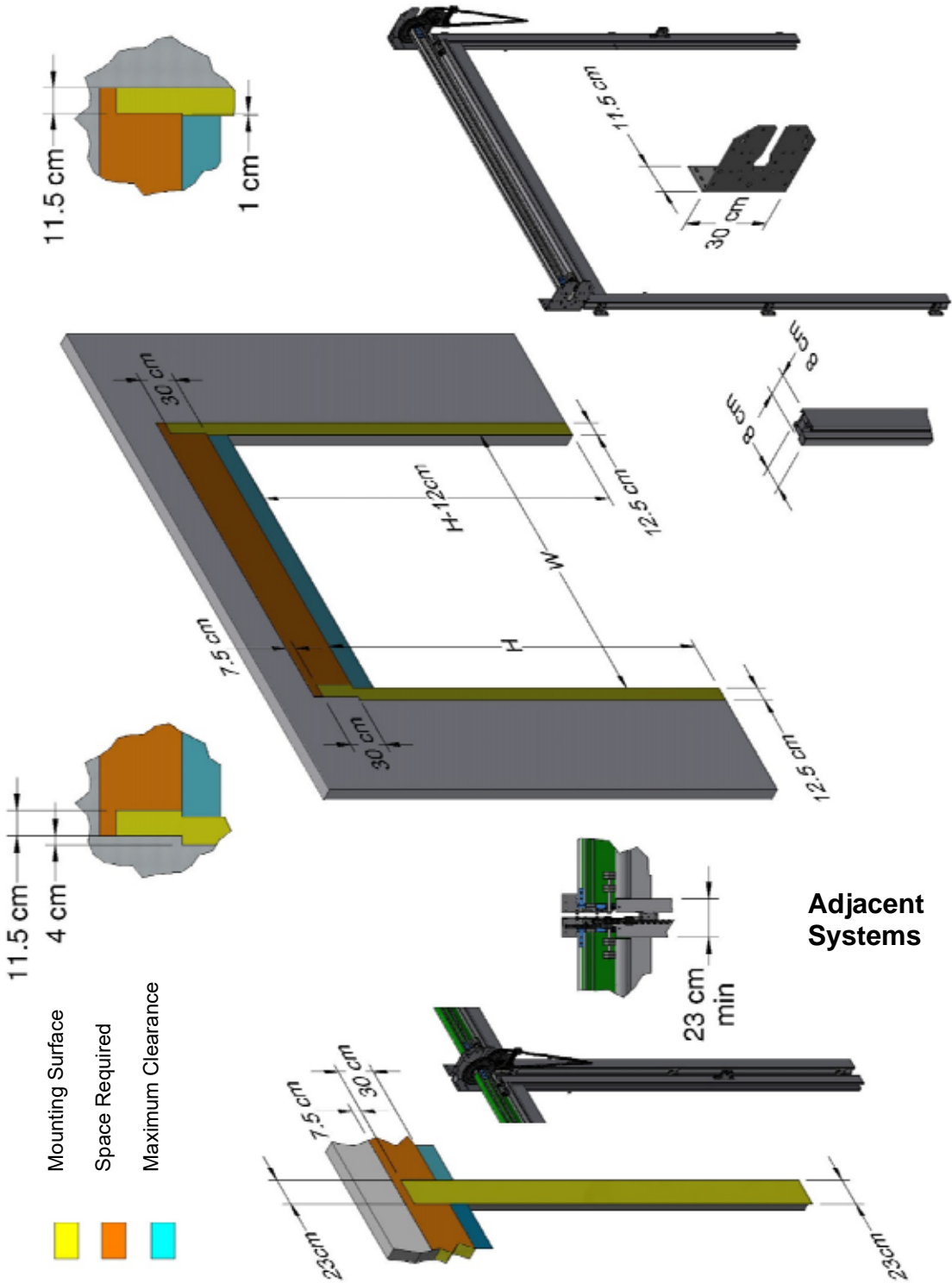


Figure 2, Fitting Requirements

Order Width (m)	Max Width W (m)
3.0	3.0
3.5	3.5
4.0	4.0
4.5	4.5
5.0	5.0
5.5	5.5
6.0	6.0
6.5	6.5

Order Height (m)	Max Opening Height H (m)	Max Height, H-120cm (m)
3.1	3.145	3.03
4.1	4.145	4.03
5.1	5.145	5.03
6.1	6.145	6.03



**CAUTION:** To safeguard against any danger points, the minimum height 'H' of any door is 2.5m. In the event of door failure, the door must not form the only means of exit from the building to which it is fitted.

**Wind Loadings**

The structure to which the door is fitted needs to be of adequate strength to resist the following wind loads.

Wind Speed (km/hr)	Wind Pressure N/m <sup>2</sup>	Wind Load (N)*	Wind Load (Kg)*
70 km/hr	233	= W x H x 233	= W x H x 24
100 km/hr	481	= W x H x 481	= W x H x 49
140km/hr	933	= W x H x 933	= W x H x 95

*\*No allowance made for safety margins*

**Right or Left Hand Drive**

Your door will be supplied in accordance with the drive orientation specified when ordered. The images and text in these Instructions are based on a door with a right-hand drive, if you have ordered a left-hand drive then reverse the references. To change the orientation of your product :

- Top Brackets: The mounting plate is non-handed with a pair of holes for left or right orientation. To change orientation remove the chain wheel shaft from the plate and secure on the opposite hand.
- Spring: See Appendix I for details of spring conversion.

### ***Installer Competence***

The installer should be able to demonstrate the required level of competence via evidence of installing similar products or formal training. If competence cannot be proven then they should not be allowed to install the product.

### ***Product Description***

The Agridoor Pro is a manually operated vertically moving rolling door comprising of a series of linked flexible curtains capable of being rolled and for which the main intended uses are giving safe access for goods and vehicles accompanied or driven by persons.

### ***Items required by the Installer***

Standard tool kit including:

- Electric drill
- Angle grinder
- Sharp pair of scissors or knife
- Spirit level
- Bolts for fixing the brackets to steel up to 12mm thick are supplied, if fixing to a wooden or concrete building you will require eight M10 fixings to fasten top brackets and M8 fixing for guide rails at 1m centres.

### ***Key Instructions***



**CAUTION: Potentially hazardous situation: must be avoided otherwise injuries may result.**



**ATTENTION: Observe the given instructions otherwise the product or adjacent items may be damaged**

**NOTE: Helpful comments and information to assist in installation or use of your product**

**NOTE:** Before starting the installation it is advisable to read these instructions completely to understand the procedure. Keep the instructions supplied for reference purposes.

**NOTE:** Colour versions of the installation instructions can be downloaded from our website:

[www.galebreaker.com](http://www.galebreaker.com)

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For Instructions and video scan QR code with camera phone

**INSTALLATION**

1. Check the contents of your door against the parts list using Figure 1. Do not let the screen material come into contact with any sharp objects or edges.

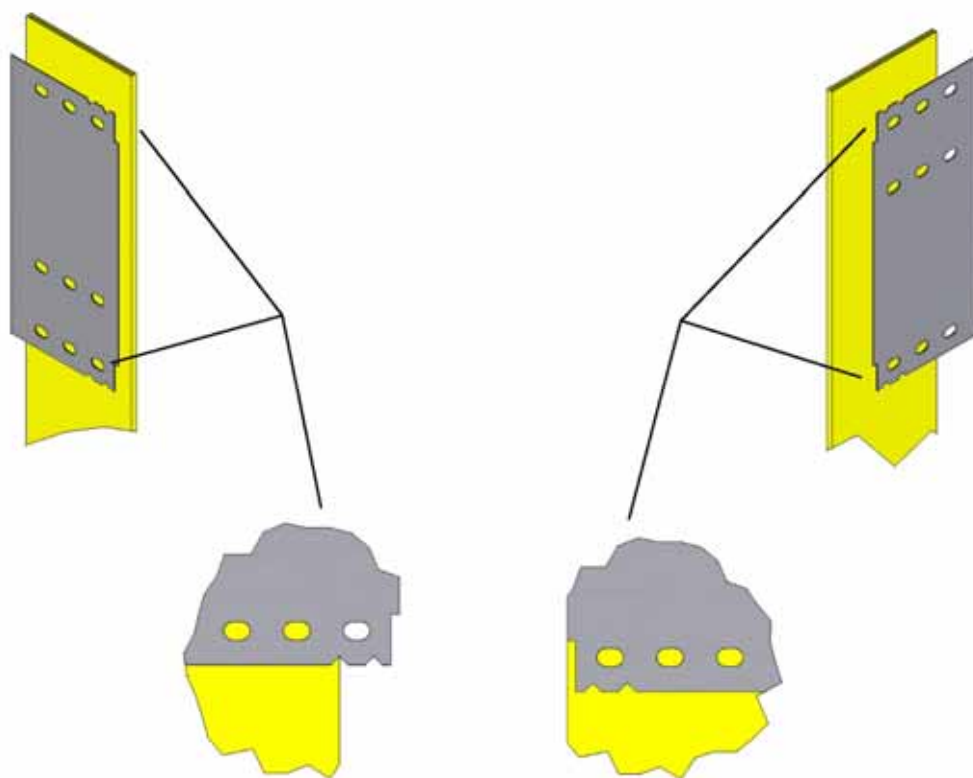
***Fitting the Top Brackets***

2. Position the template on the building as shown in figure 3a, mark and drill fixing holes for the Top Brackets. Use the upper row of holes and the lower row of holes (the second row of holes can be used if necessary).

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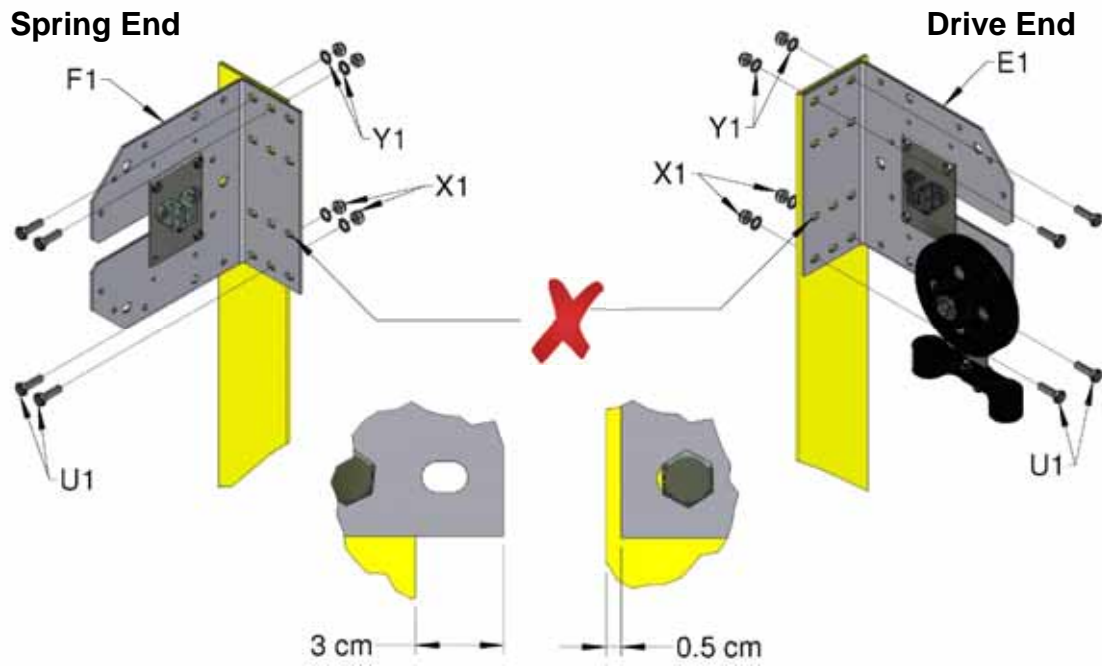
**Spring End**

**Drive End**



*Figure 3a, Top Bracket Positioning*

Fit the free end bracket (F1) and drive end bracket (E1) with M10 fixings (S1), it is essential that they are **level and upright and square to the building**.



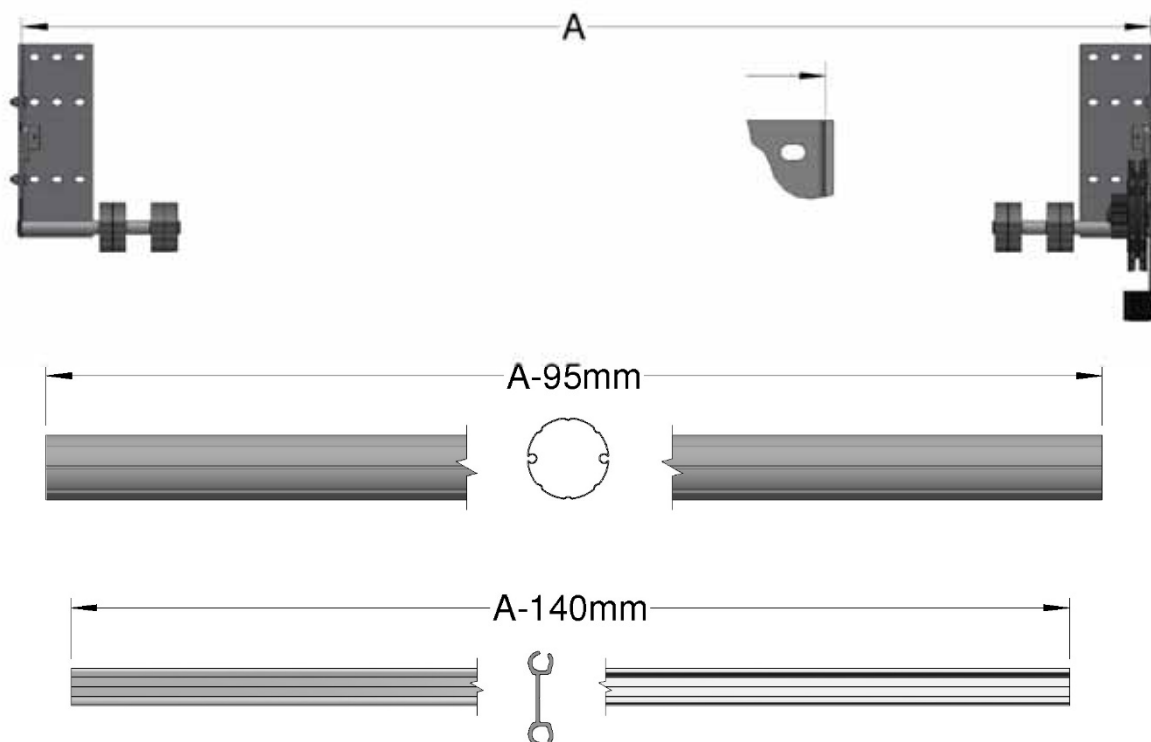
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Figure 3b, Top Bracket Positioning

**CAUTION:** Referring to Table 1 on page 4, ensure the building is of sound construction and that the most suitable type of fastener is used. Use only M10 bolts or greater to fit these items and ensure they are securely fastened to the building. Failure of these fixings will result in your door falling off the building, potentially injuring operators and bystanders.

**Cutting the Top tube and Windbars**

3a If it is required to cut your door, measure the daylight gap between the inside face of the top brackets (A) and cut to the following rules (Figure 4a), do not cut the lower flap and bottom tube at this point.



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*Figure 4a, Standard Cutting Lengths when Cutting Tube*

- Top Tube = Distance between inside faces -95mm
- Tension bars = Distance between inside faces -140mm

- 3b If your door can be mounted without cutting the top tube, follow the dimensions shown in Figure 4b, note the tension bars, fabric, bottom tube and flap will always have to be cut.

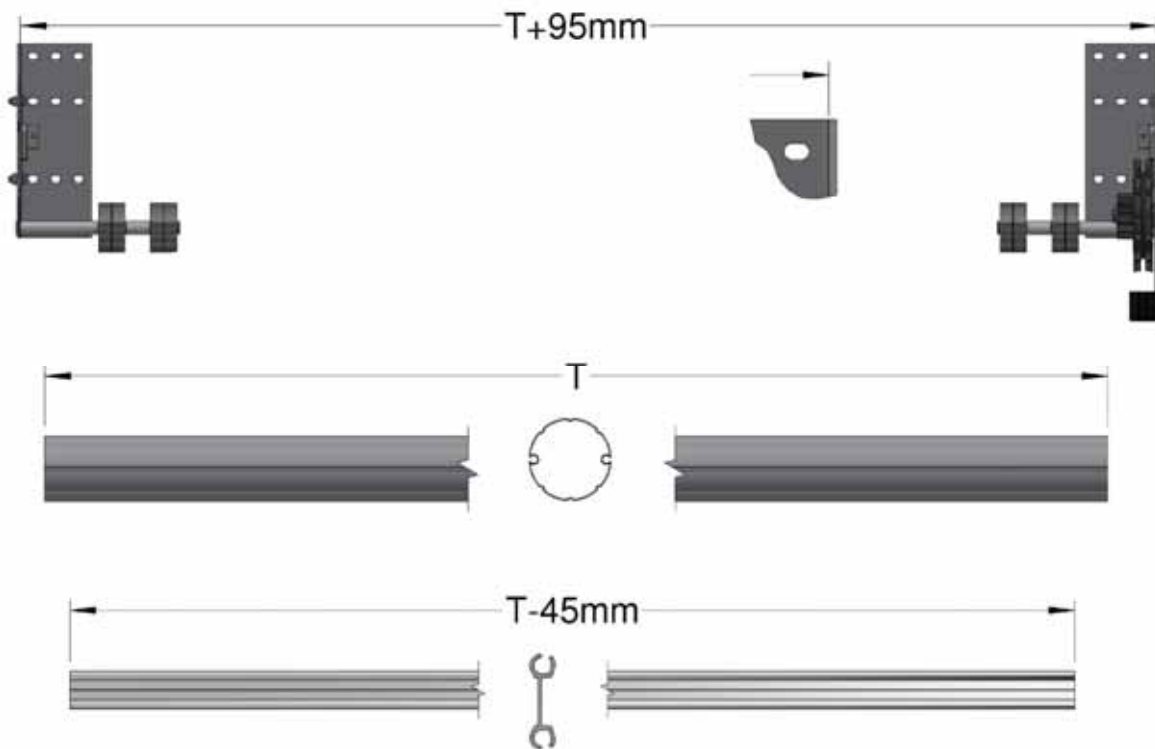


Figure 4b, Top Bracket Spacing When Not Cutting Tube

- 4 Fit the Drilling Template into the recess with the groove and fully up against the end stop. Use the template to drill two holes in the ends of the Tension Bar D1 with a 6mm drill (Figure 5a).

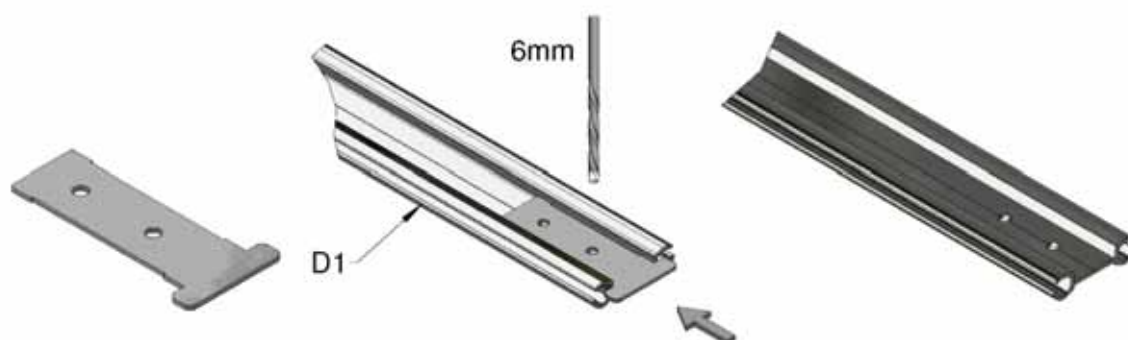
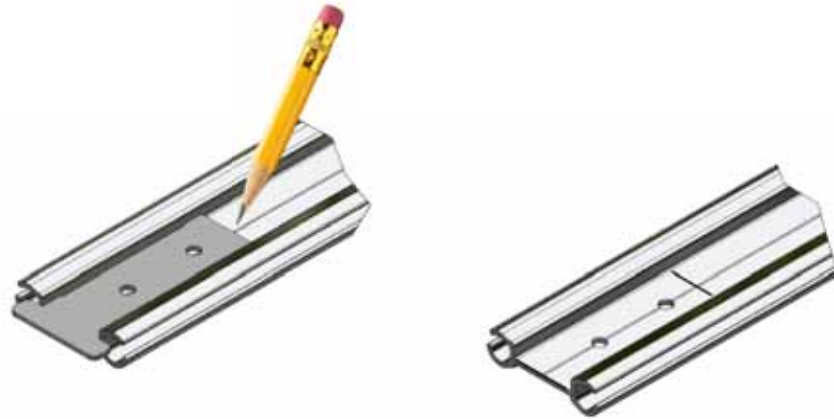


Figure 5a, Drilling Tension Bars

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*Figure 5b, Mark Tension Bars*

Place a mark with a pencil on the tension bar at the end of the drill jig as shown for the position of the fixing screws

Slide the 6mm nylon insert into both pockets of the first fabric panel and cut to length. Push the Flute Guide Insert over the end of the flute in the tube to protect the fabric sheet as it is being fitted. When the fabric is inserted remove the Flute Guide Insert from the end of the flute.

- 5 Slide the fabric panel into the flute on the top tube and then slide the tension bar onto the fabric panel. Note the correct orientation of the tension bar relative to the door arrangement (Figure 6a)

**NOTE: To ease the insertion of the fabric panels into the windbars ensure all metal burrs are removed, and use a lubricant such as light oil or washing-up liquid.**

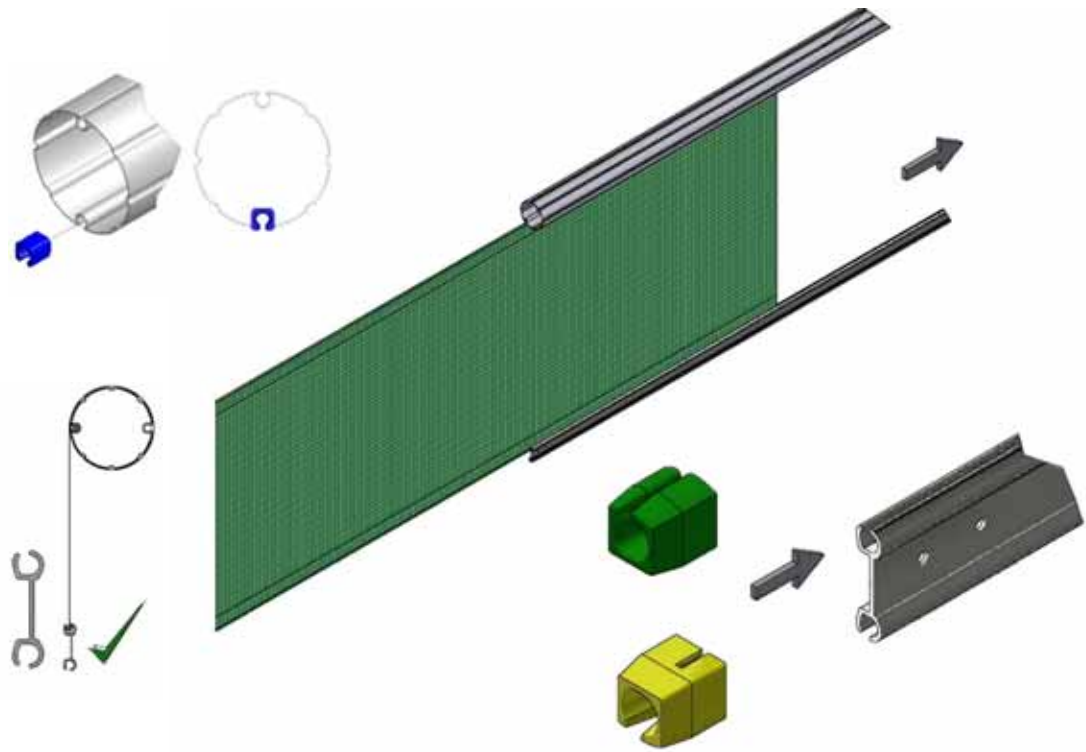


Figure 6a, Panel Assembly

Secure the one end of the panel to the top tube and tension bar using the 25mm self-drilling screws supplied (Z1) in the position shown in Figure 6c.

When securing the fabric to the tension bar, insert a 4mm Hex Key into the end of the tension bar as shown in Figure 6b to constrain the movement of the 6mm nylon insert. (remove the hex key after fixing)

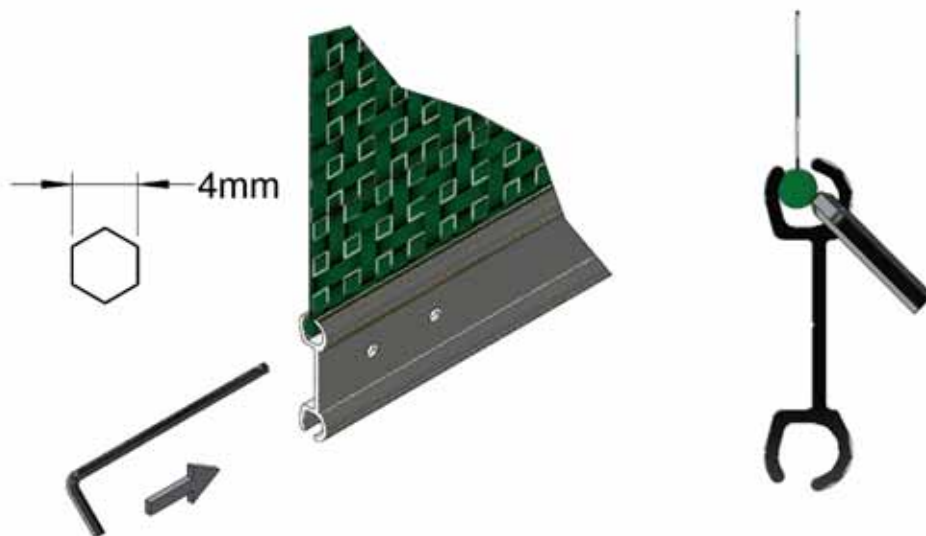
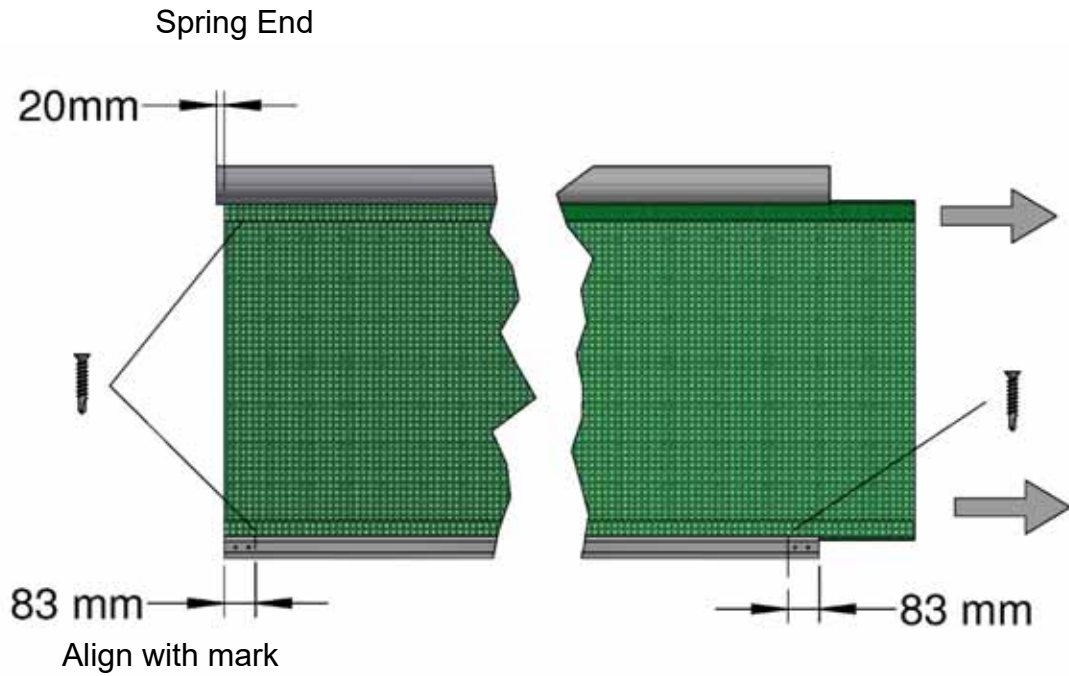


Figure 6b, Constrain nylon insert

At the other end of the panel, tension the fabric panel to remove any creases and secure with the 25mm self-drilling screw.



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Figure 6c, Panel Assembly

Break the tip of the screw off inside the tube using a hammer and punch

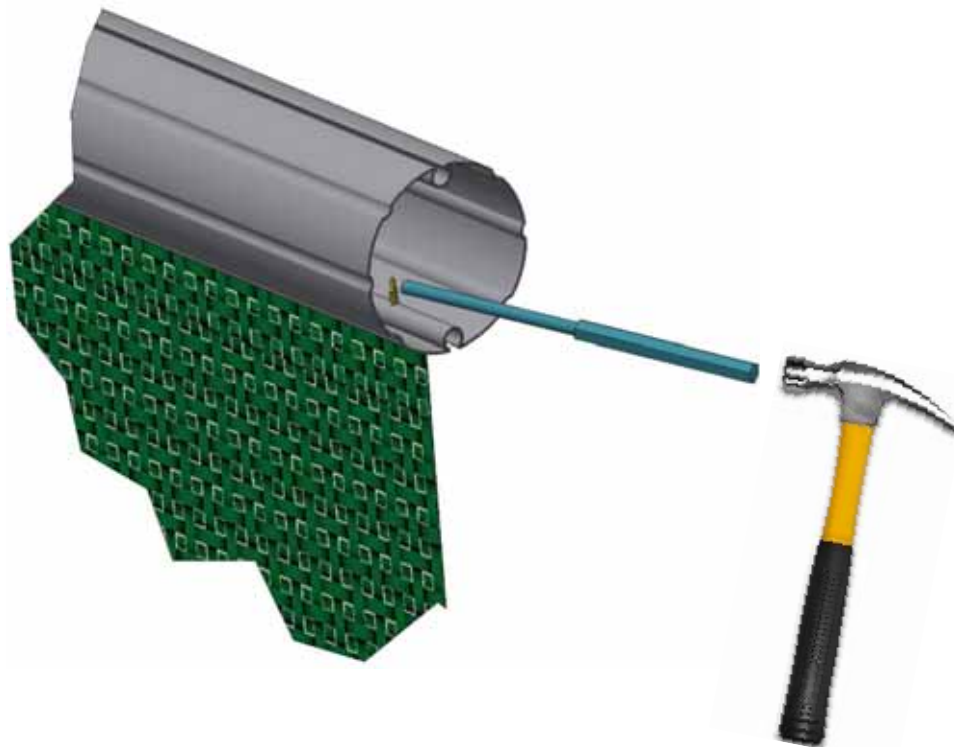
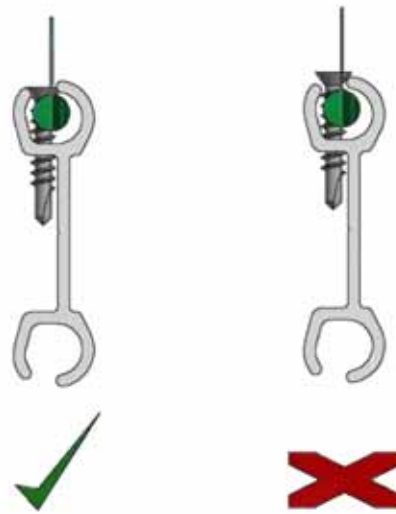


Figure 6d, Break off Screw Tip

Ensure the head of the screw is sunk down into the tension bar to protect the sheet.



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Trim the end of the panel to length and repeat with the next panel.

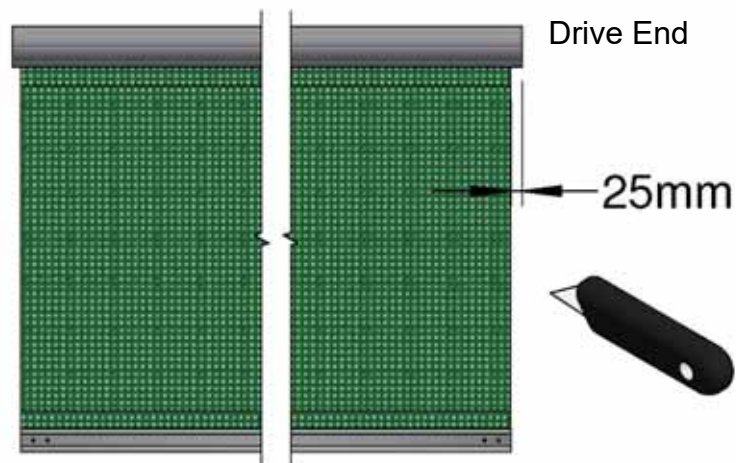


Figure 6e, Panel Trimming

Ensure that the panels go in the correct position, as the panels are different heights, refer to Figure 7.

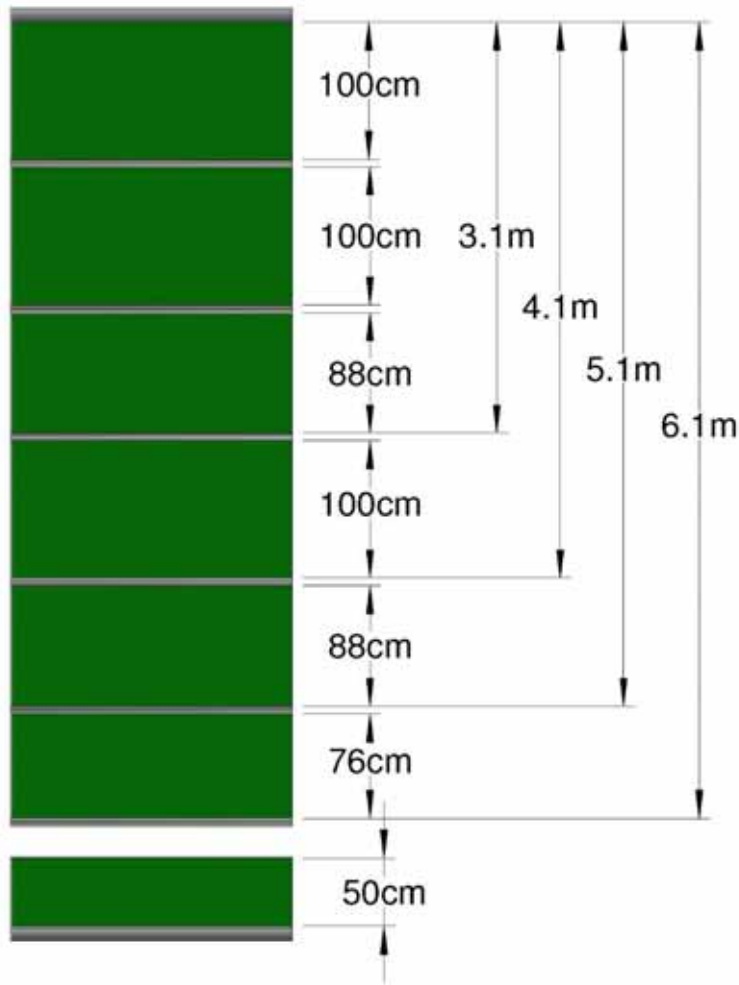


Figure 7, Fabric Panel Layout

- 6 Press the M6 nyloc nuts into the Wind Lock moulding. Fix the Wind Lock and Wind Lock Plate to the ends of the tension bar and secure with the M6x16mm countersunk screws and nuts.

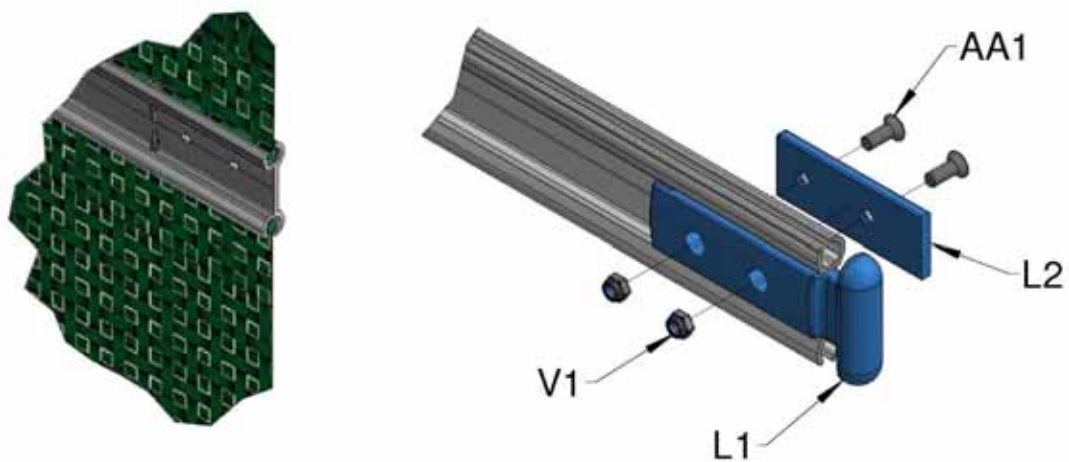
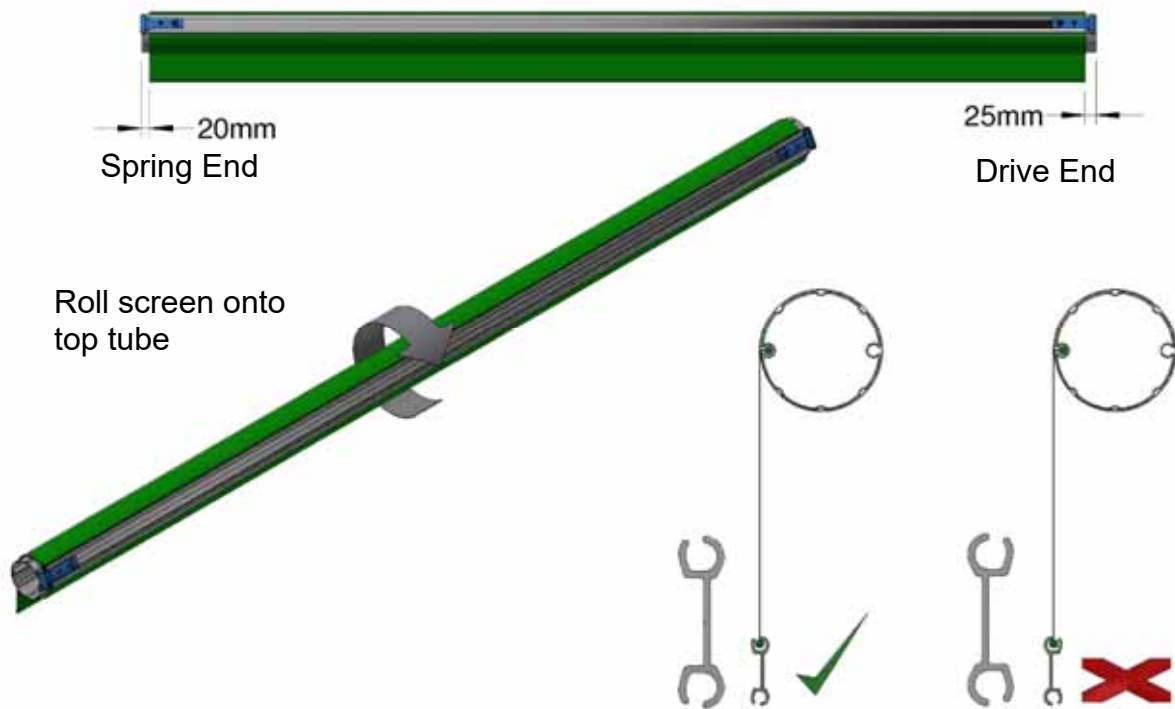


Figure 8, Wind Lock

- 7 Roll the tension bars and fabric panels onto the top tube. It is important that when the door is hung the fabric should come off the back of the top tube, between the tube and the building face.



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Figure 9, Fabric Attached to Top Tube and Rolled Up

Assemble the drive shaft by sliding the 25cm gear (M1) on to the drive shaft (M2). The 25cm gear is located using the circlips and washer supplied, Figure 6b.

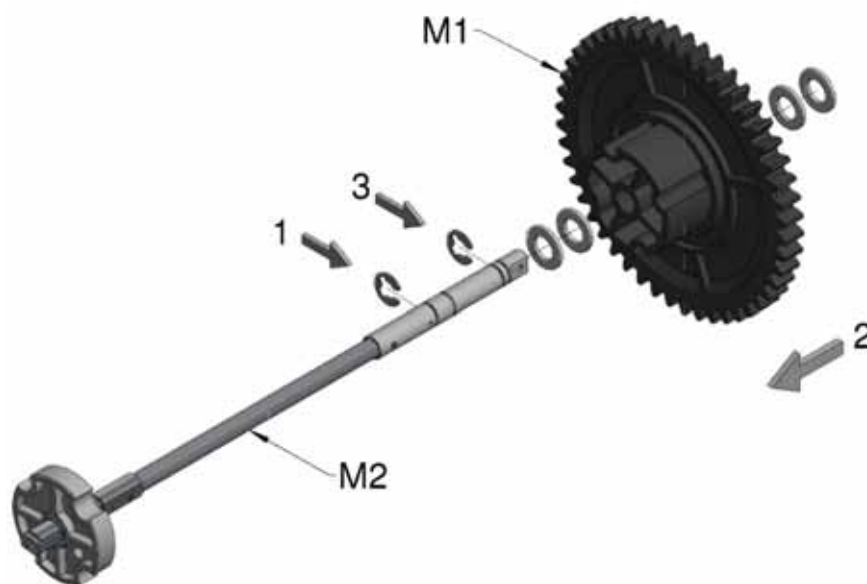
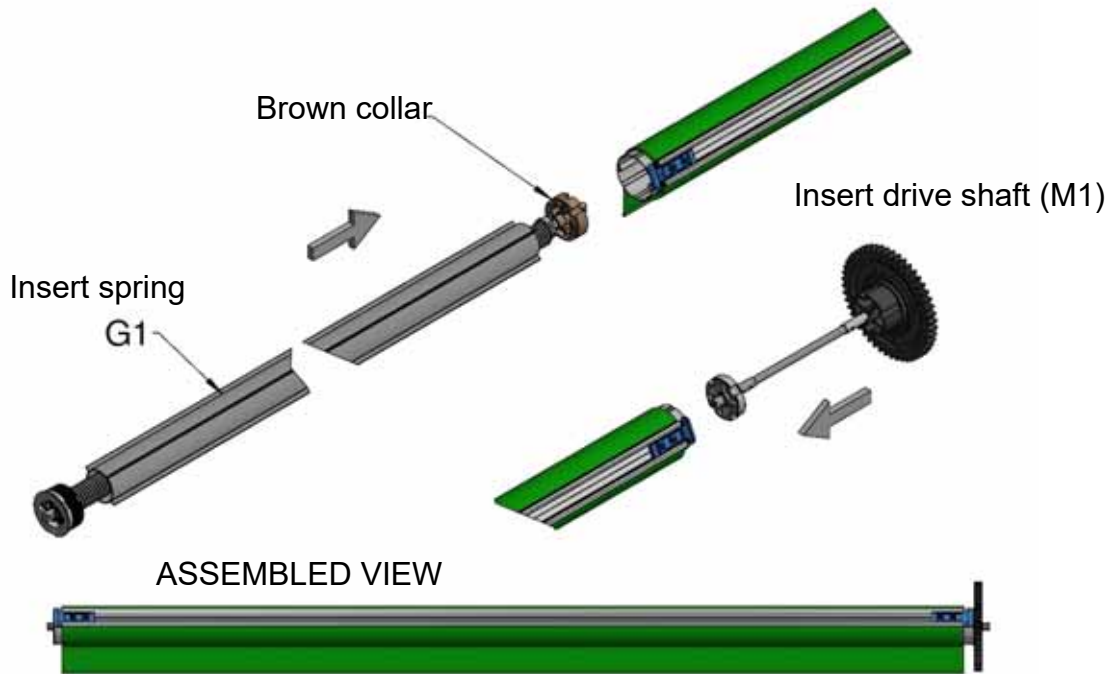


Figure 10, Assembly of Gear Drive Shaft

Insert drive shaft (M1) into the drive end of the top tube and insert the spring assembly (G1) into the opposite end. Refer to Figure 11a for right hand drive and Figure 11b for left hand drive.



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Figure 11a, Top Tube Assembly (Right Hand Drive)

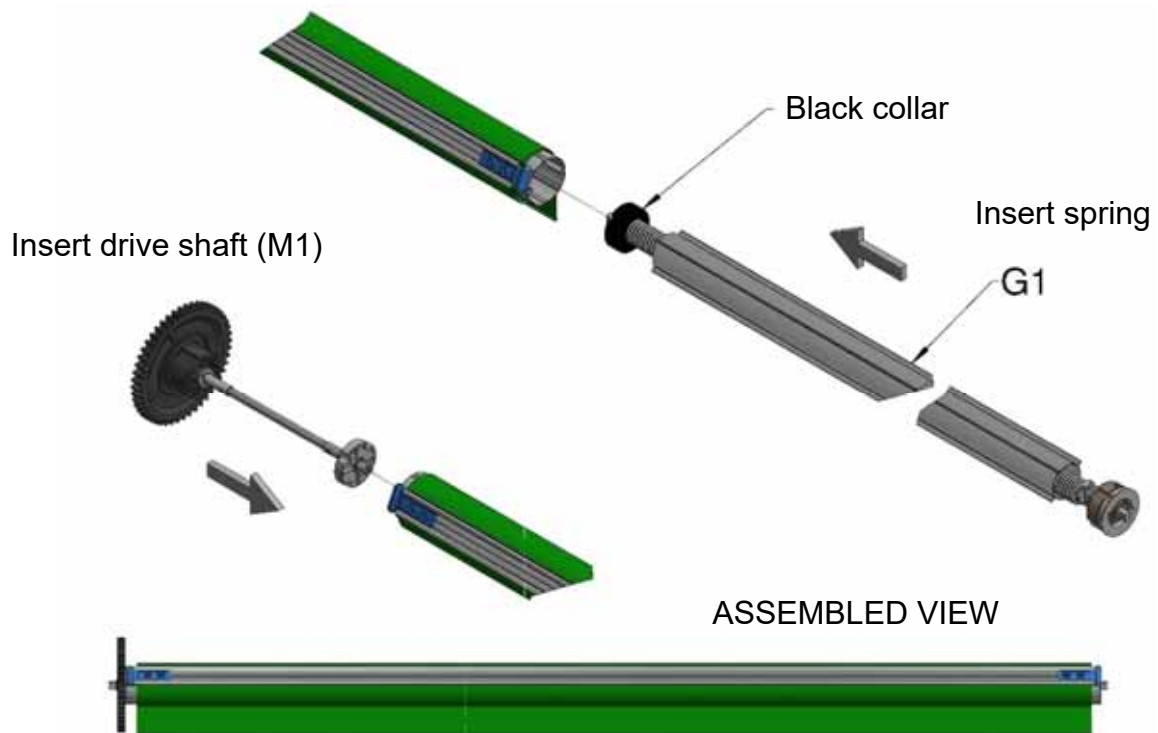


Figure 11b, Top Tube Assembly (Left Hand Drive)



**ATTENTION:** It is vital that the spring assembly is fitted correctly, as shown in Figure 11a or 11b, otherwise the spring will suffer terminal damage, for which Galebreaker is not liable, i.e. if you have a right hand operated door as shown in Figure 11a the Brown collar should be inserted first.

**NOTE:** If you wish to fit the spring to the opposite side to that ordered, refer to instructions in Appendix I.

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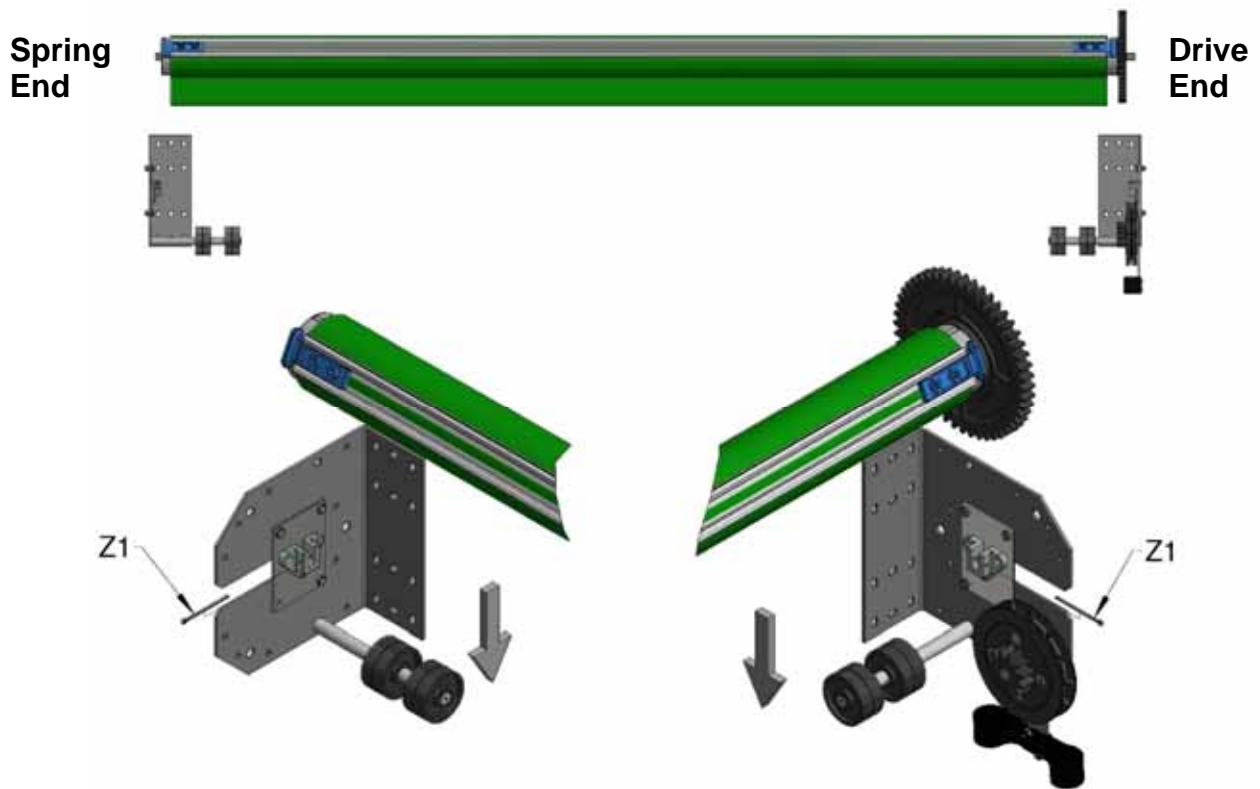
Tie up the top tube assembly (Figure 11c).



*Figure 11c, Tie Up Top Tube Assembly*

***Hanging the door***

- 8 When lifting the top tube assembly onto the top brackets, ensure that the shafts slide completely into the base of the cup brackets (Figure 12). Lock the shafts in place with the M4 x 75 split pins supplied (Z1).



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*Figure 12, Locating Top Tube In Brackets (RH Drive Shown)*

**CAUTION:** It is important to insert the split pins, this will prevent your door falling if the end brackets are struck, thereby potentially injuring operators and bystanders.

- 9 Feed the operating chain (N1) around the chain wheel, through the chain guide and trim to length if required (Figure 13). Make chain into a continuous loop by joining the two ends with the Joining Link (N2). After closing, file away any sharp edges to ensure the chain does not injure operators; it is unnecessary to weld the link shut.

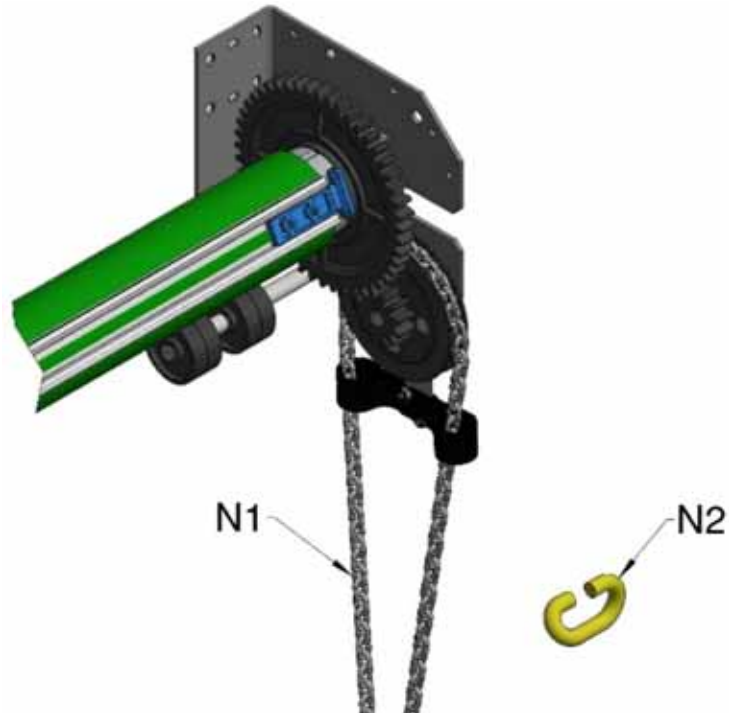
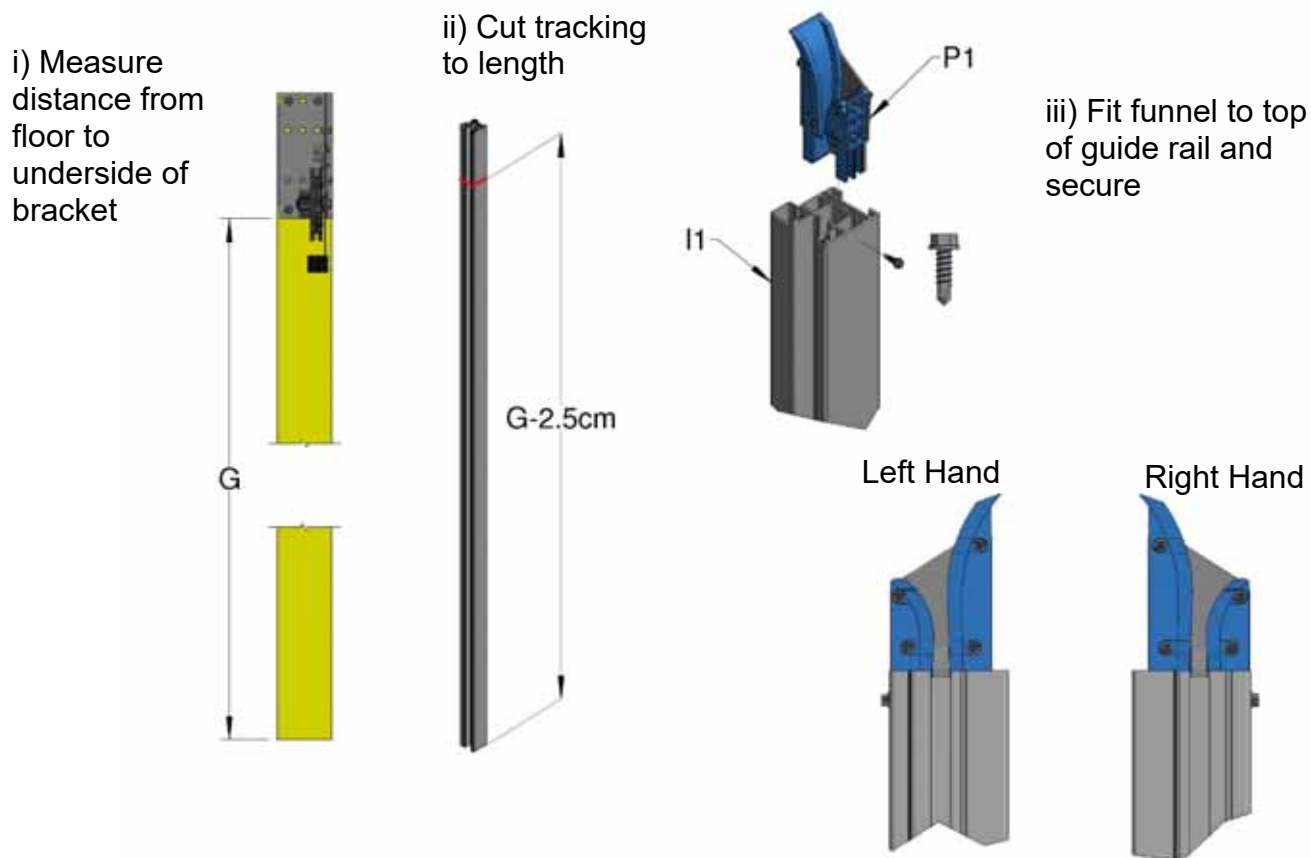


Figure 13, Installing Operating Chain

**Fitting the Tracking**

- 10 Measure the distance from the underside of the top bracket to the ground (G) and deduct 2.5cm (G-2.5cm). Equally cut the aluminium tracks (I1) to this dimension and remove all sharp edges. Fit the pair of funnels P1 and P2 into the top of the tracks and secure with the M5x19 self drill screw in the front face, Figure 14.



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Figure 14, Tracking and Funnel Assembly

Slide the Track Slide Insert H1 into the Tracking pushing it fully up to the funnel and trim to length, secure in place with the M4x16 self drill screw at the bottom end

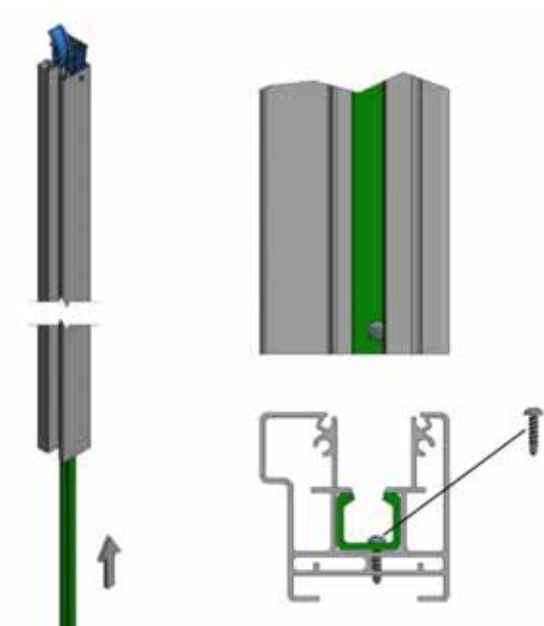



Figure 15, Tracking and Funnel Assembly

- 11 Fit the upper and lower Track Mount Brackets J1 to the building as shown in Figure 16 using the M8x30mm Bolts and Nuts. Position the mounting holes at the centre of the slots in the brackets.

Fit the intermediate brackets at a maximum of 150cm apart. All brackets must be vertically aligned with each other.

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**CAUTION: Use only M8 bolts or greater to fit these items and ensure they are securely fastened to the building.**

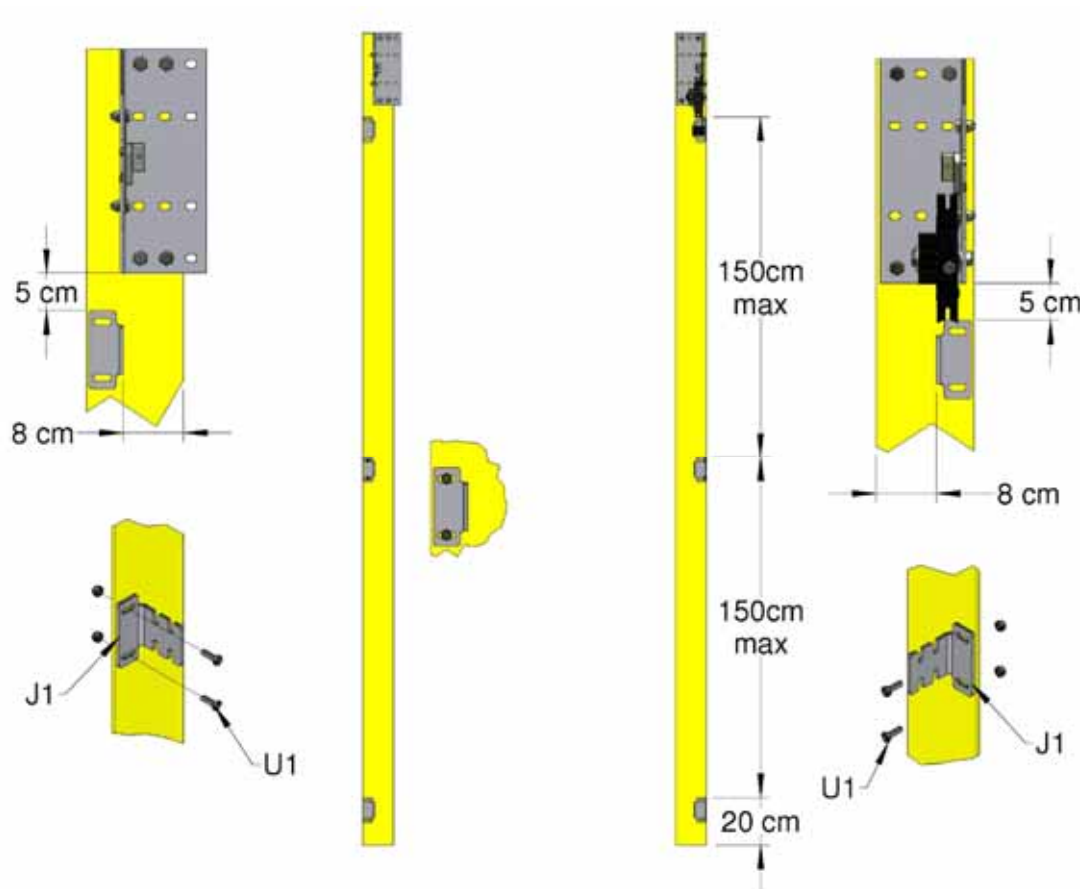


Figure 16, Track Mounting Brackets

(If fitting adjacent doors it may be necessary to stagger the brackets vertically.)

Lift the Track and Funnel Assembly against the track brackets so that the top of the track is 2.5cm from the bottom edge of the Top Bracket.

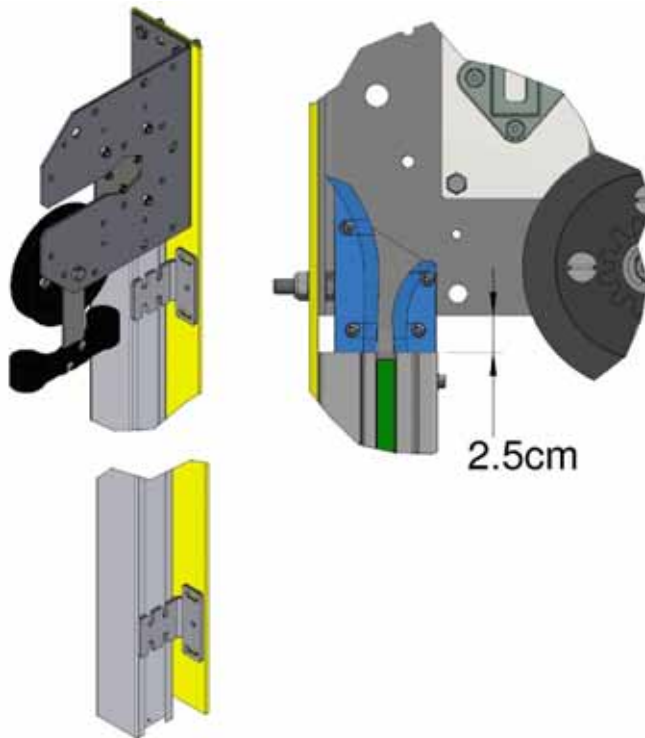


Figure 17a, Track Mounting

Assemble the Track Clamp Plate J2 with the M8x16 flanged bolts R1. Insert the Clamp plate into the Aluminium Tracking, turn the plate and engage with the Track Mount Bracket. Repeat for all Mount Brackets and tighten the bolts.

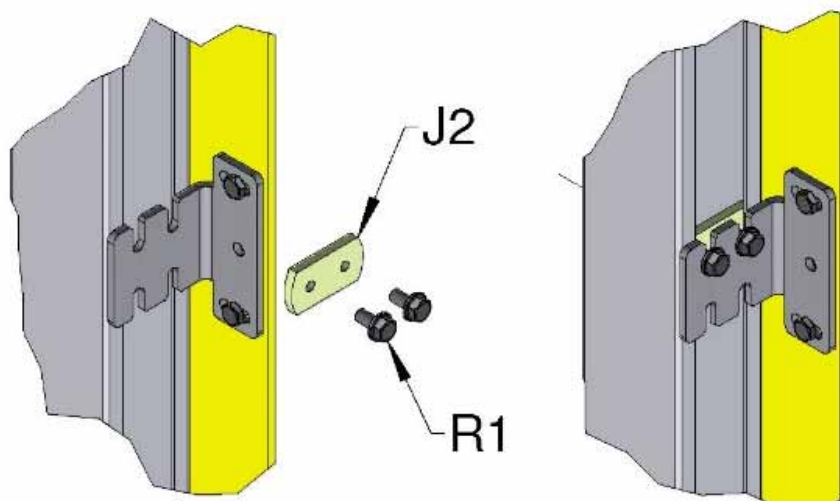
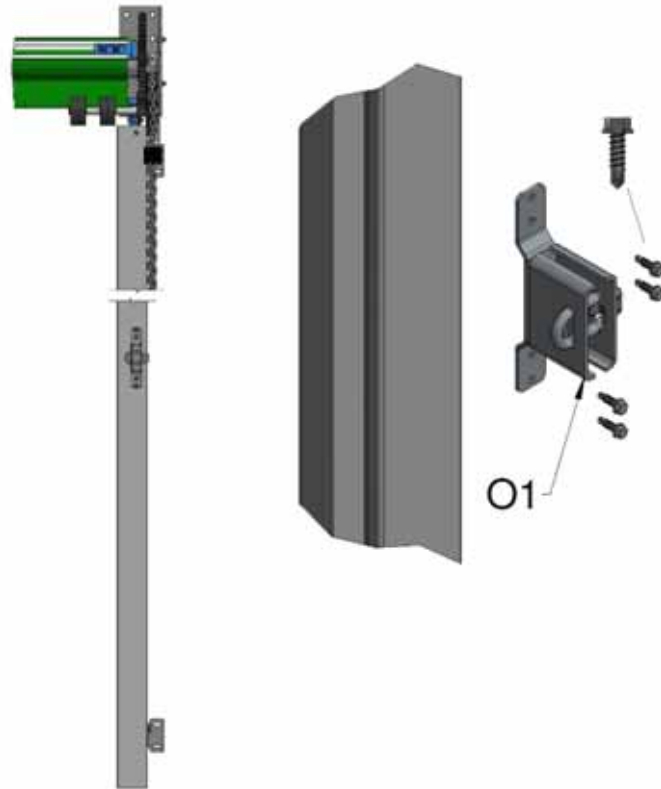


Figure 17b, Track Fixing

- 12 Fix the chain keep and mounting bracket (O1) to the tracking using the M5.5x19 self drill screws. The height of the chain keep depends upon your installation (Figure 18) but is typically around 1.5m from the ground.



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Figure 18, Attaching the Chain Keep

**Tensioning the Spring Mechanism**

- 13 Pre-tension the spring mechanism by rotating the top tube assembly in the direction shown in Figure 19, this is done by pulling down on the outer chain. The number of pre-tension turns is given in the table below. When the required number of turns has been reached, lock the operating chain into the chain keep (O1).

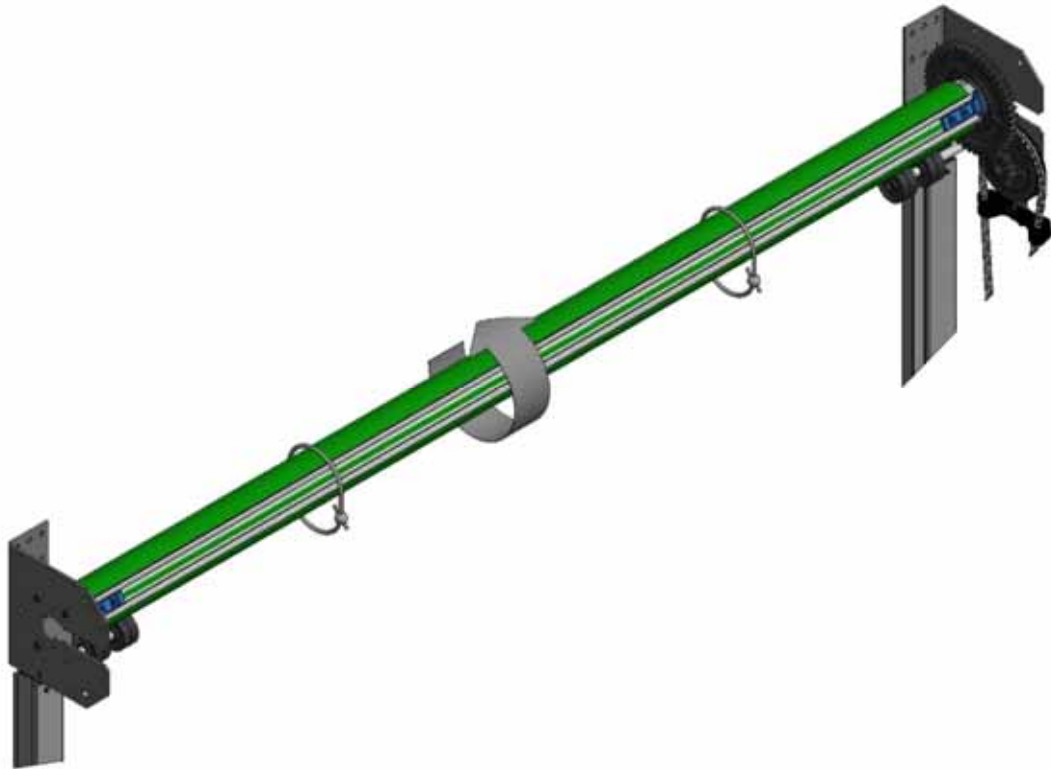


Figure 19, Tensioning of Spring

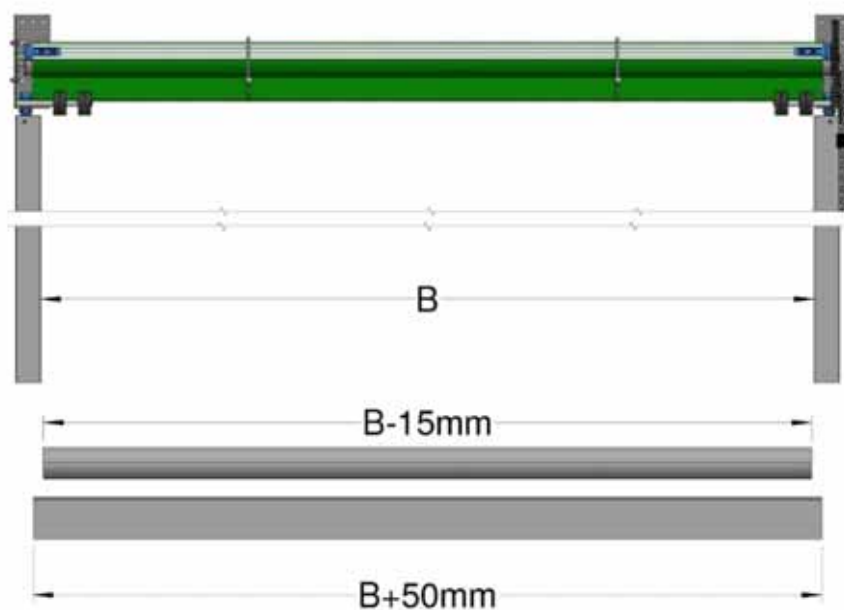
WIDTH	HEIGHT & No. OF TURNS			
	3.1m	4.1m	5.1m	6.1m
3.0m	8	9	9	7
3.5m	10	11	8	9
	<i>(1.7m long Spring)</i>			
4.0m	9	10	11	11
4.5m	11	12	13	13
	<i>(3.0m long Spring)</i>			
5.0m	11	12	13	14
5.5m	12	13	14	14
6.0m	13	14	15	15
6.5m	14	15	16	16
	<i>(3.7m long Spring)</i>			



**ATTENTION:** To prevent spring damage, do not over-tension.

**Installing the Bottom Tube and Flap**

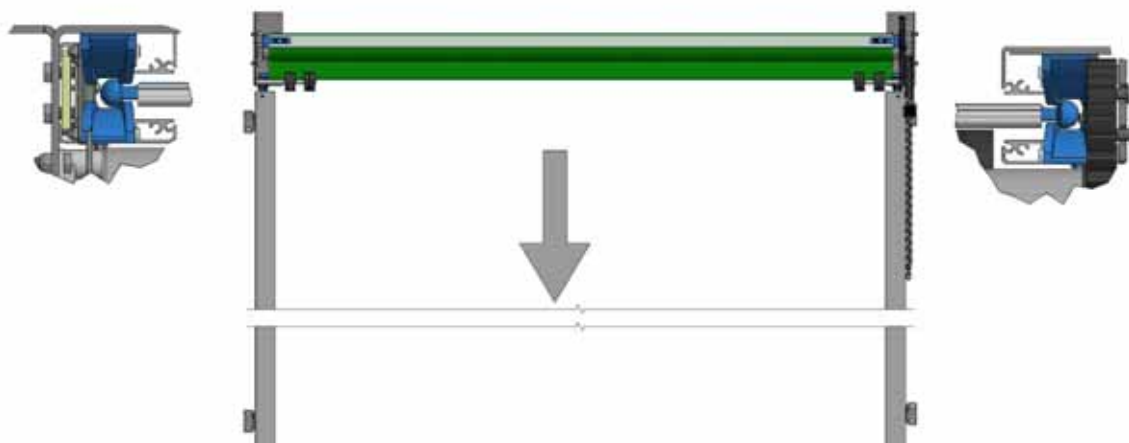
14 Cutting bottom tube and flap (Figure 20):



*Figure 20, Cutting Length of Bottom Tube and Bottom Flap*

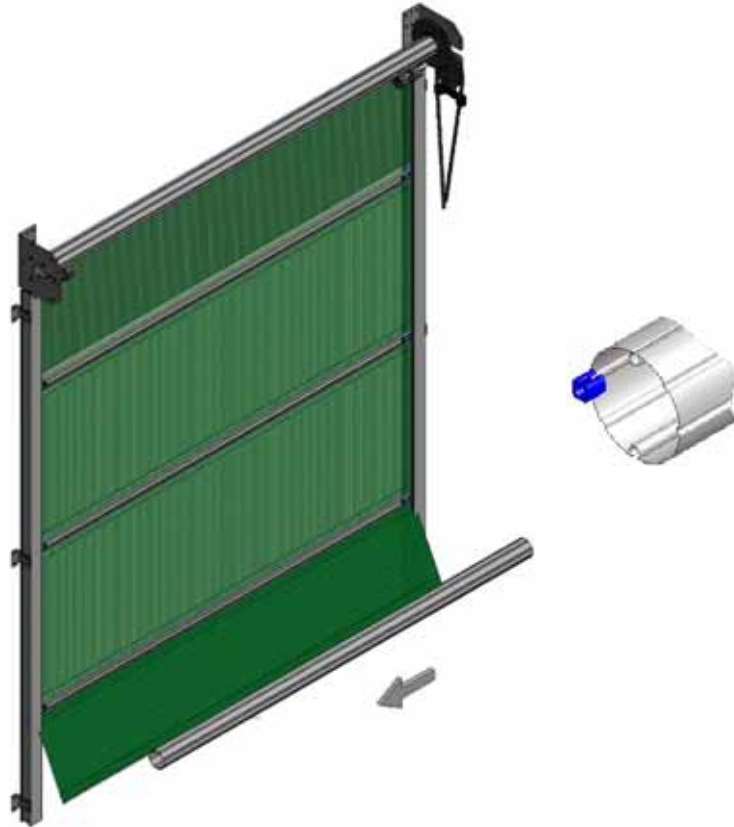
- Bottom Tube = Gap between inside face of Guide Rails -15mm
- Insert = Gap between inside face of Guide Rails +50mm
- Bottom Flap = Gap between inside face of Guide Rails +50mm

15 Untie the top tube assembly and lower the door and ensure the Wind Locks engage in the tracks each side. The tension bar may need to be adjusted sideways to align with the track initially. Engage the Hand Chain in the Chain Keep to hold the door in the lower position.



*Figure 21, Lower Door*

Push the Flute Guide Insert over the end of the flute in the bottom tube to protect the fabric sheet as it is being fitted. Pull the bottom fabric panel outside the tracks and slide on the bottom tube (Figure 22).



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Figure 22, Attaching Bottom Tube

- 16 Insert two M4x25 self drill screws into the bottom tube in the positions shown in Figure 23.  
Slide two Tube Weights (Q1) into each end of the bottom tube and push up to the screw position.

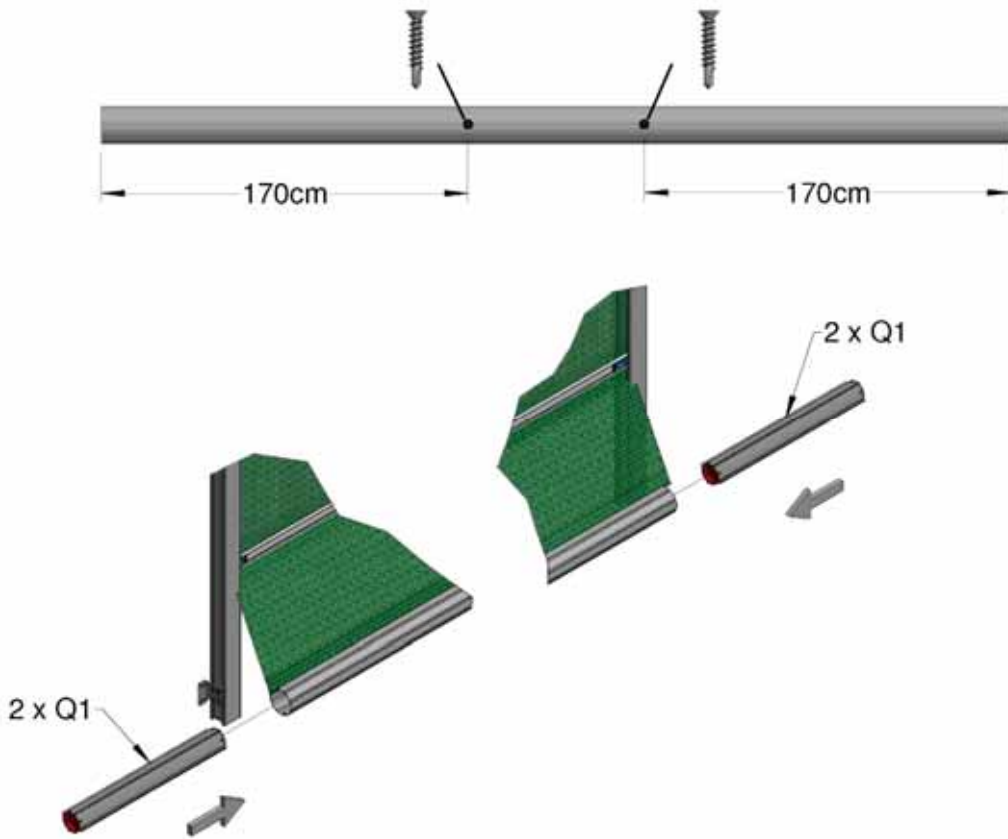


Figure 23, Bottom Tube Weights

Slide nylon insert into the pocket of the flap (C1) and slide flap onto the bottom flute.

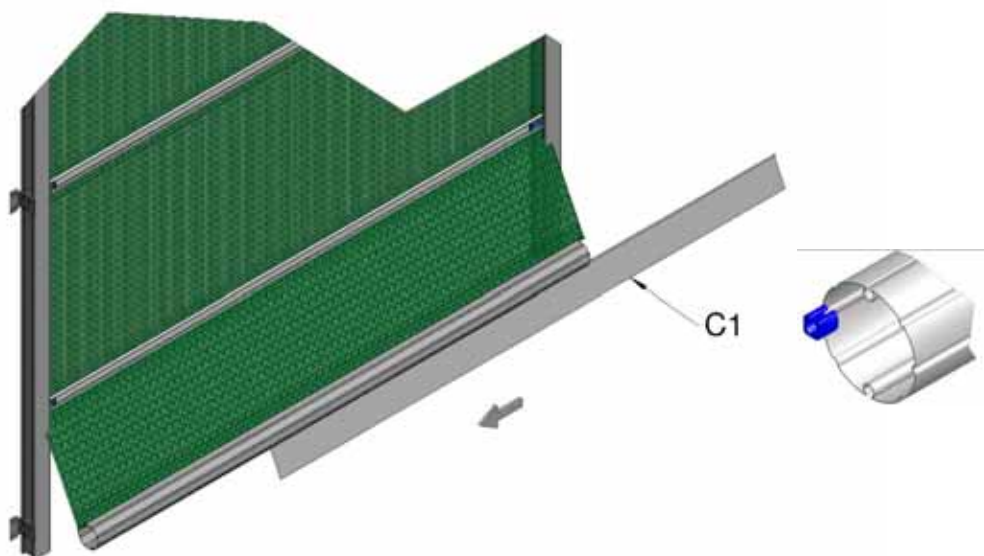
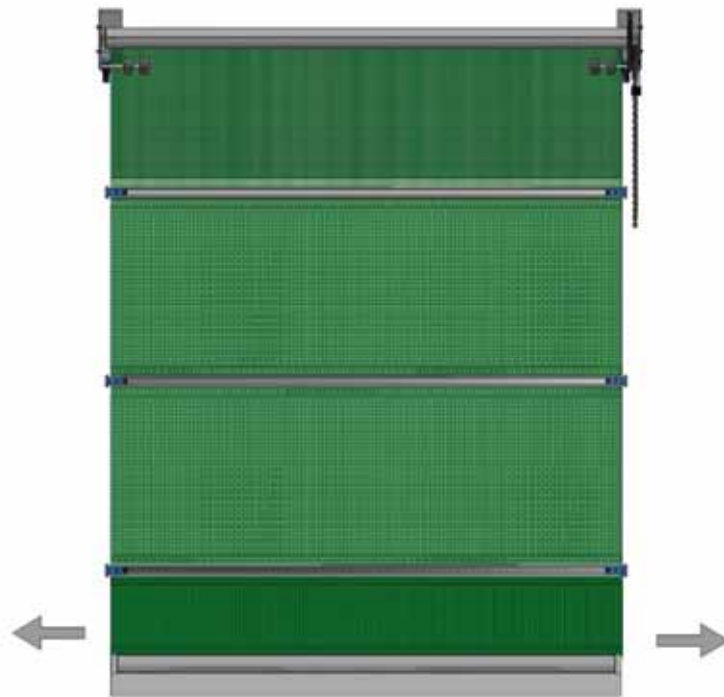
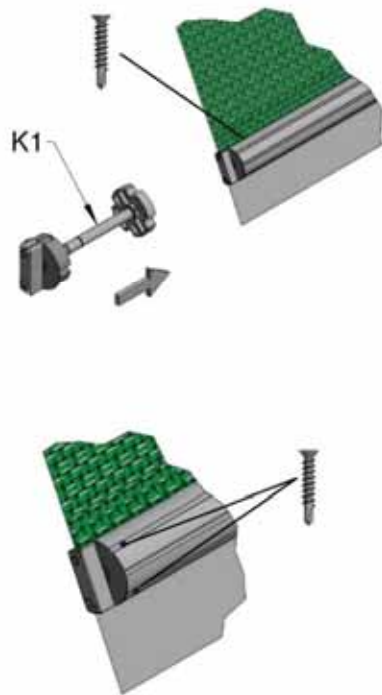


Figure 24, Bottom Flap

- 17 Insert the Bottom Tube Inserts (K1) into each end of the tube. and with the self-drilling screws (AB1). Secure the fabric panel and flap to the bottom tube It is important to tension sheet sideways before fixing to remove creases (Figure 25).

Fit bottom tube inserts



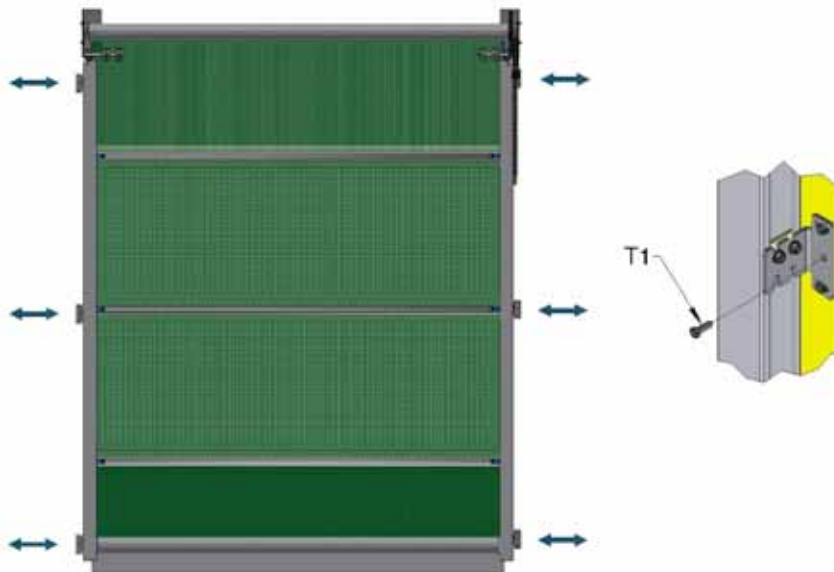
Tension fabric and secure corners of fabric panel

Figure 25, Centralising Screen

Insert one end of the bottom tube into the tracking, lift and insert the other end into the opposite tracking.

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- 18 Raise and lower the door and adjust the track mounting brackets if required to ensure the door travels smoothly



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Figure 26, Secure Track Brackets

Secure the brackets using a M8 fixing T1 in the central hole

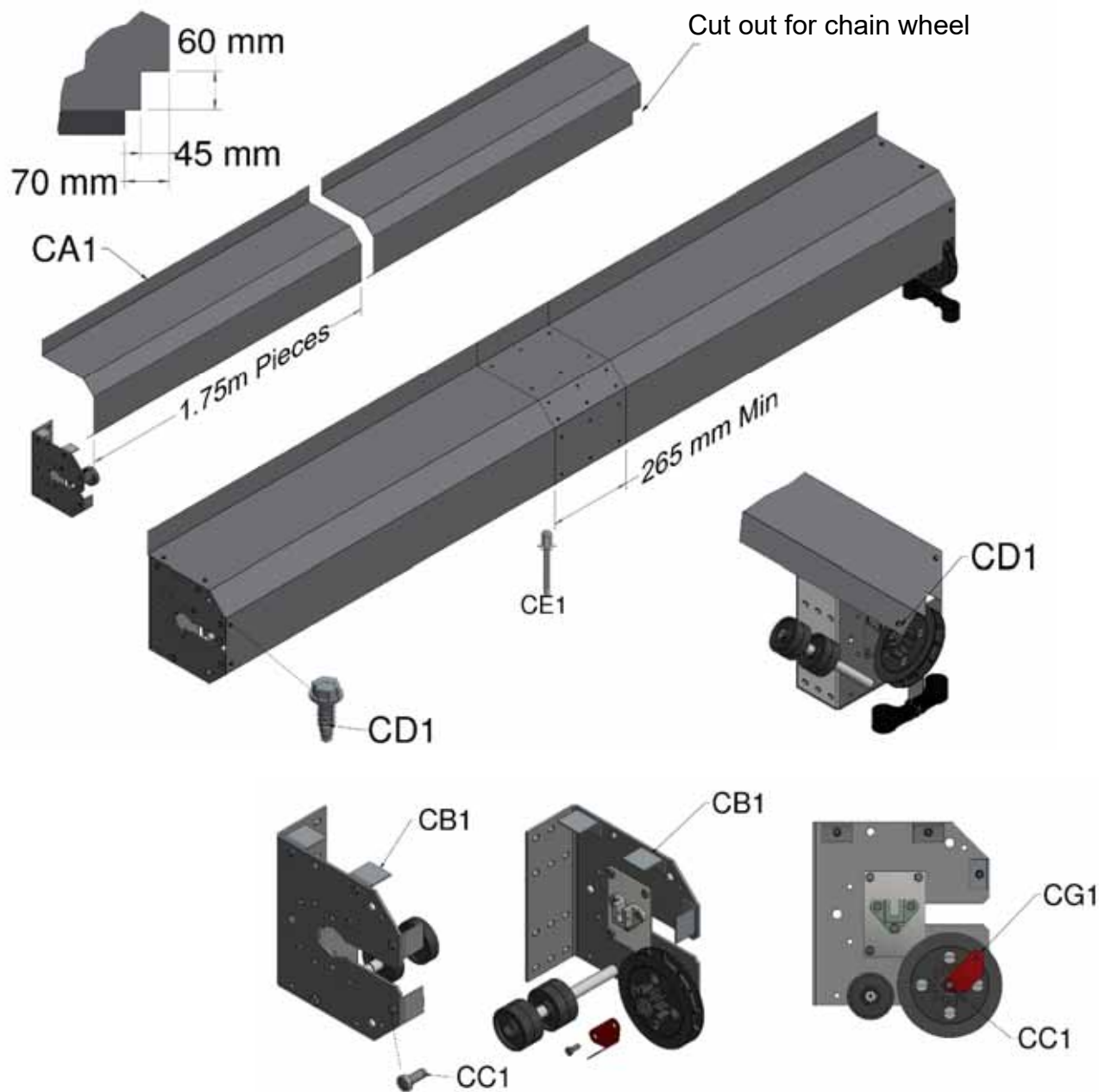
- 19 Attach the company detail label centrally to the front of the bottom tube.



Figure 27, Company Label

**Installing Door Cowling (Optional)**

20 Door Cowling (Optional at extra cost)



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REF:	QTY	PART DESCRIPTION
CA1	*	1.75M Lengths of Cowling
CB1	8	Cowling Brackets
CC1	8	M8 x 20 Hex Bolts & Nuts
CD1	8	M5.5 x 19 Self Drilling Screws
CE1	*	M4.8 x 8 St Steel Rivets / per join
CF1	1	5mm Drill for rivets (not shown)
CG1	1	Cowling Bracket – Chainwheel

Figure 28, Door Cowling Assembly

- 
- C1. Fit cowling brackets, noting only three are on the drive bracket. Cut 40mm wide x 220mm high notch in one end of cowling to accept the chain-wheel.
- C2. Join cowling with a minimum overlap of 265mm (Figure 28). Secure with 30no. rivets, 6 in each of the five faces. Offer cowling to brackets and secure with M5.5 x 19 self-drilling screws supplied. Fix rear upstand to building, sealing to prevent water ingress if necessary.

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**NOTE: The Cowling is self-supporting and does not require intermediate brackets.**

21 CE Marking Products under Construction Products Regulation

**It is the responsibility of the installer to check that the installation conforms to the specific safety features detailed in the Manufacturer’s Installation Instructions, to issue the CE Declaration of Conformity and mark a product under the Construction Products Regulation 305/2011.**

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To do this you will require the following which should be delivered with the product:

- 1) This set of Installation Instructions (*operating and maintenance instructions*)
- 2) Maintenance Log Book, (*including Installation Checklist and Customer Declaration of Conformity*)
- 3) 1 x Declaration of Conformity (Installer Copy) – *to be completed*
- 4) A CE Label

**When CE marking a Galebreaker product, it is vital to follow the steps outlined below:**

- a) Install the product as per instructions, with no adaptations or modifications and complete of the *Health and Safety Checklist* in the Maintenance Log Book.
- b) Complete the two ‘Declarations of Conformity’ using the following:
  - **Model Type:** As shown on CE Label
  - **Serial Number:** As shown on CE Label
  - **Installation Company:** Your company name
  - **Date Installed:** Date Installed
  - **Declaration made by:** Responsible Person
  - **Declaration and Instructions received by:** Customer’s Signature
- c) Fix the supplied CE label to the bottom tube. The label should be accessible / visible. Where the serial number does not incorporate the door size, add the Product width and Product height to the end of serial number using a permanent marker pen. i.e. the full serial number should read

Serial Number:     1234 /     AD-PBM             W    X    H

[W] Product Width (m)

[H] Product Height (m)

- d) Your customer must be given a copy of the completed 'Maintenance Log Book' along with the 'Installation Instructions' supplied by Galebreaker. These should be stored adjacent to the door controls for reference purposes.
- e) Finally, ask your customer to sign the 'Declaration of Conformity' (Installer Copy). This important document must be filed back at the office of the installer for future reference

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Figure 29, CE Label Location

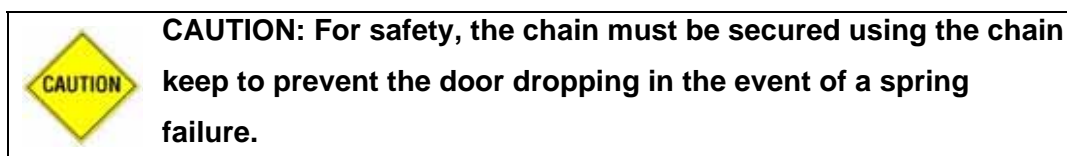
**YOUR DOOR IS READY FOR USE**

## OPERATION AND MAINTENANCE

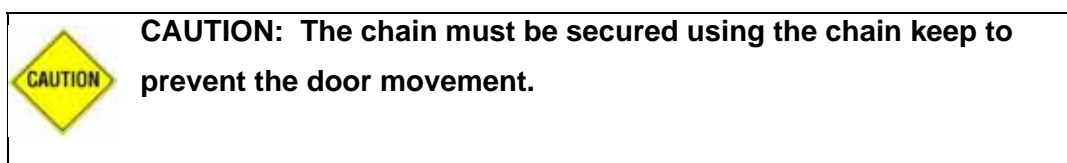
### *How to use your door*

To Open the door unfasten the operating chain from the chain keep and pull the inner chain to raise your door, insert both chains into the chain keep to hold the door at any level.

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To Close the door unfasten the operating chain from the chain keep and pull the outer chain to lower your door, insert both chains into the chain keep to hold the door at any level.



### *Important Safety Information*

- This door must only be operated by users familiar with its operation.
- When operating the door do not place fingers near the guide rails or other moving parts at any time.
- Do not permit children to play with the door.
- Do not modify or attach any objects to the door as this may cause damage and/or injury.
- Operate the door only when properly adjusted and free from obstructions.
- Should the door become difficult to operate or inoperable, consult your local dealer. Repairs should only be carried out by competent personnel.

***Maintenance of your door***

- Regularly check the Tracking for debris and damage and clean/repair as necessary.
- Check annually for corrosion of the supporting bolts fixing the product to the building, the bolt holding the shaft into the top brackets and the blind in general. Replace suspect items to ensure it is safe for operators and bystanders alike
- The spring has a design life of 10,000 operations, which equates to using the door approximately 3 times a day for 10 years. After 10 years we recommend a replacement spring be fitted, or following the dismantling instructions given below remove the spring annually to ensure it has not broken.
- Should Screen material be damaged, repair with special repair kit (code SPS-99) available from your Galebreaker dealer, importer or head office.

***How to dismantle your door***

Follow the installation instructions in reverse order. In particular ensure all spring tension is removed before unbolting the top brackets to remove the roller assembly and recoil spring.



**CAUTION:** To prevent injury ensure spring has no residual tension before removal.

**NOTE:** This product has been tested to European Standard EN 12424. Tried and tested in the harshest weather conditions, a summary of our guarantee is as follows, see our website for full details:

- **Mechanical components: 100% guarantee for two years, followed by an eight year graduated guarantee.**

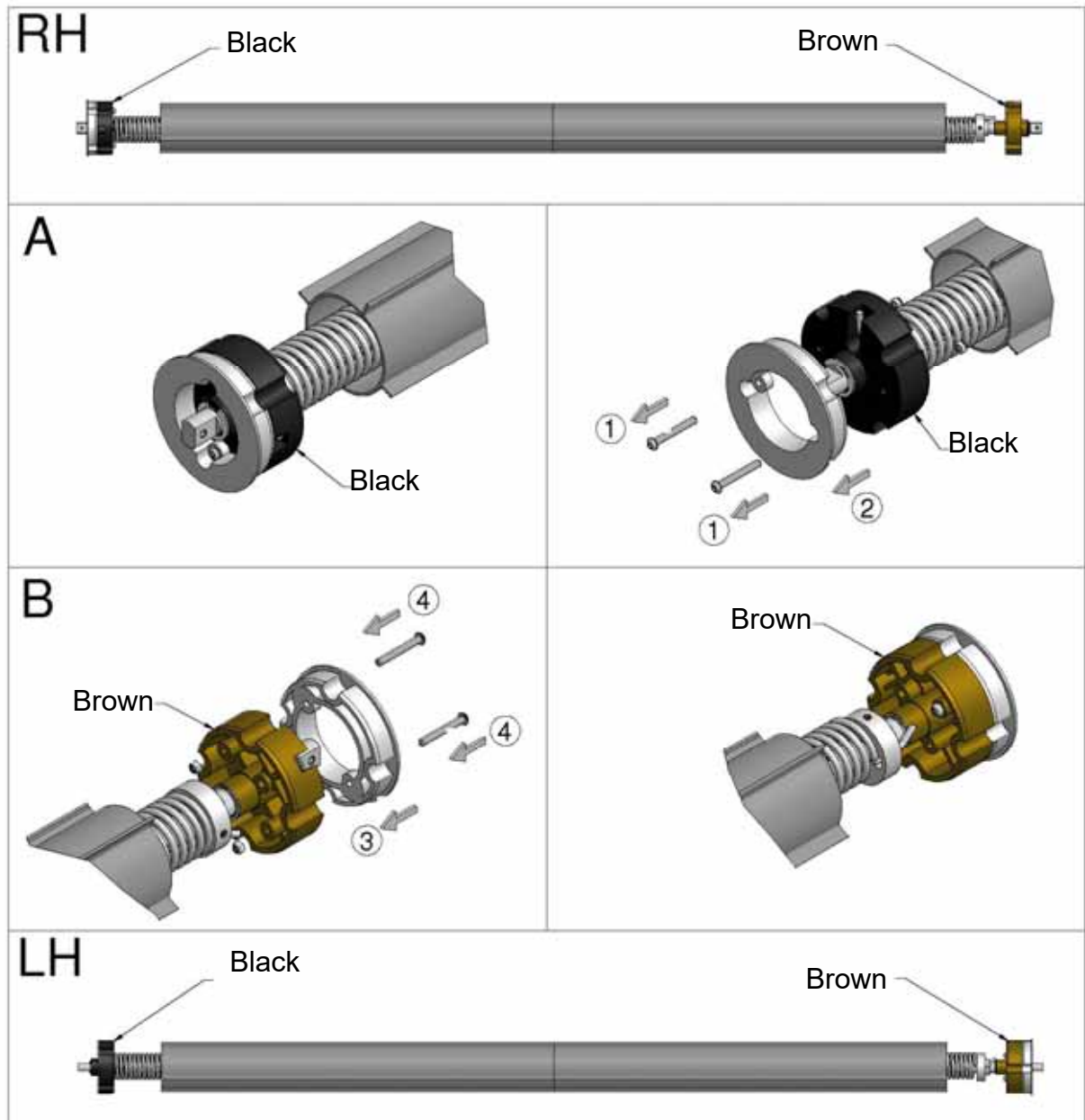
**RAIN INGRESS:** Please note that in extreme weather conditions some moisture will penetrate a mesh material.

**RIGHTHAND TO LEFTHAND SPRING CONVERSION**

RH = Drive bracket on the right with spring bracket on left

For LH to RH conversion, follow instructions in reverse order

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Designed and Manufactured in the UK by Galebreaker Ltd.,

Original Instructions

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**Model No: AD-PBM/Mk1/24/07**

**Instruction Ver: 2025/06/ENG**

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