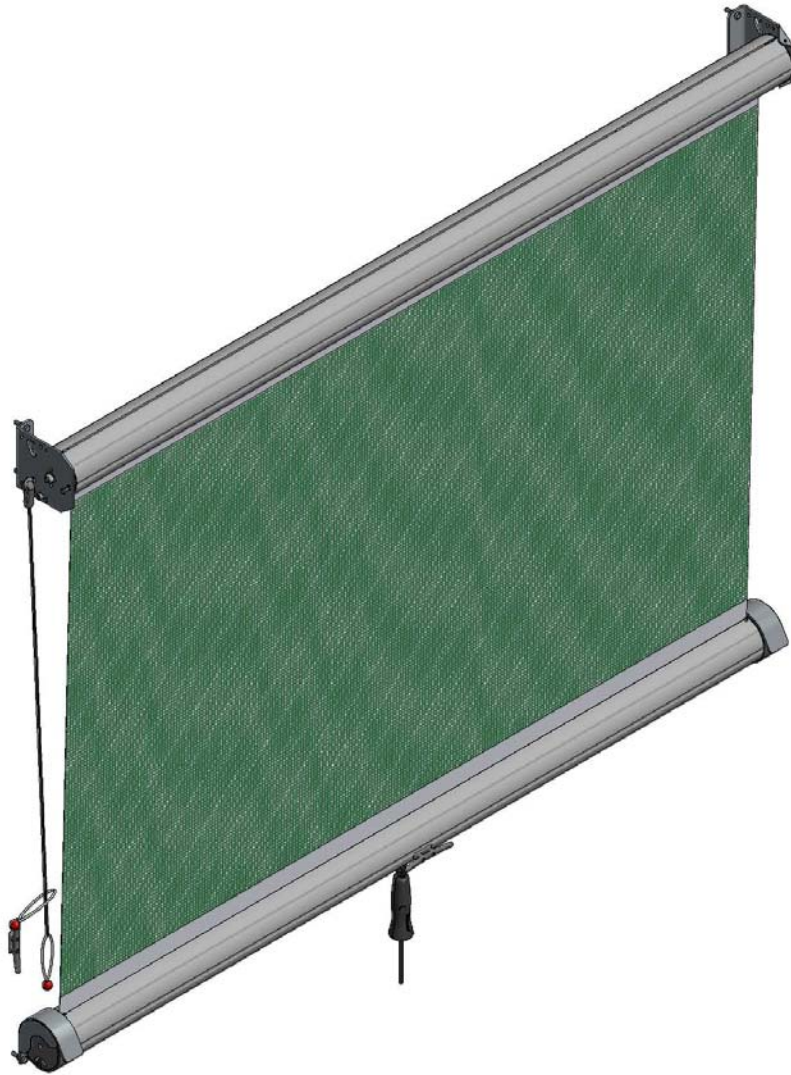


Rollerscreen/ Rollerdoor



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Replacement Procedure



1.0 REPLACEMENT SCREEN PROCEDURE

Your Safety

The larger screens will require a mechanical lift to remove/re-mount the roller assembly onto the top brackets. The respective weights are given in the table below based on standard material. Add 5% to this figure for doors supplied with 'HP' fabric, and 15% for doors supplied with black Stockscreen and solid fabrics.

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WIDTH	HEIGHT		
	2.1m	3.1m	4.1m
2.5m	39kg	39kg	40kg
3.0m	43kg	43kg	44kg
3.5m	47kg	47kg	48kg
4.0m	51kg	51kg	59kg
4.5m	61kg	62kg	64kg
5.0m	65kg	67kg	68kg
5.5m	69kg	71kg	72kg
6.0m	74kg	75kg	76kg

1.1 Rollerscreen

Release the lower tube from the 'J' Brackets and allow the screen to recoil.

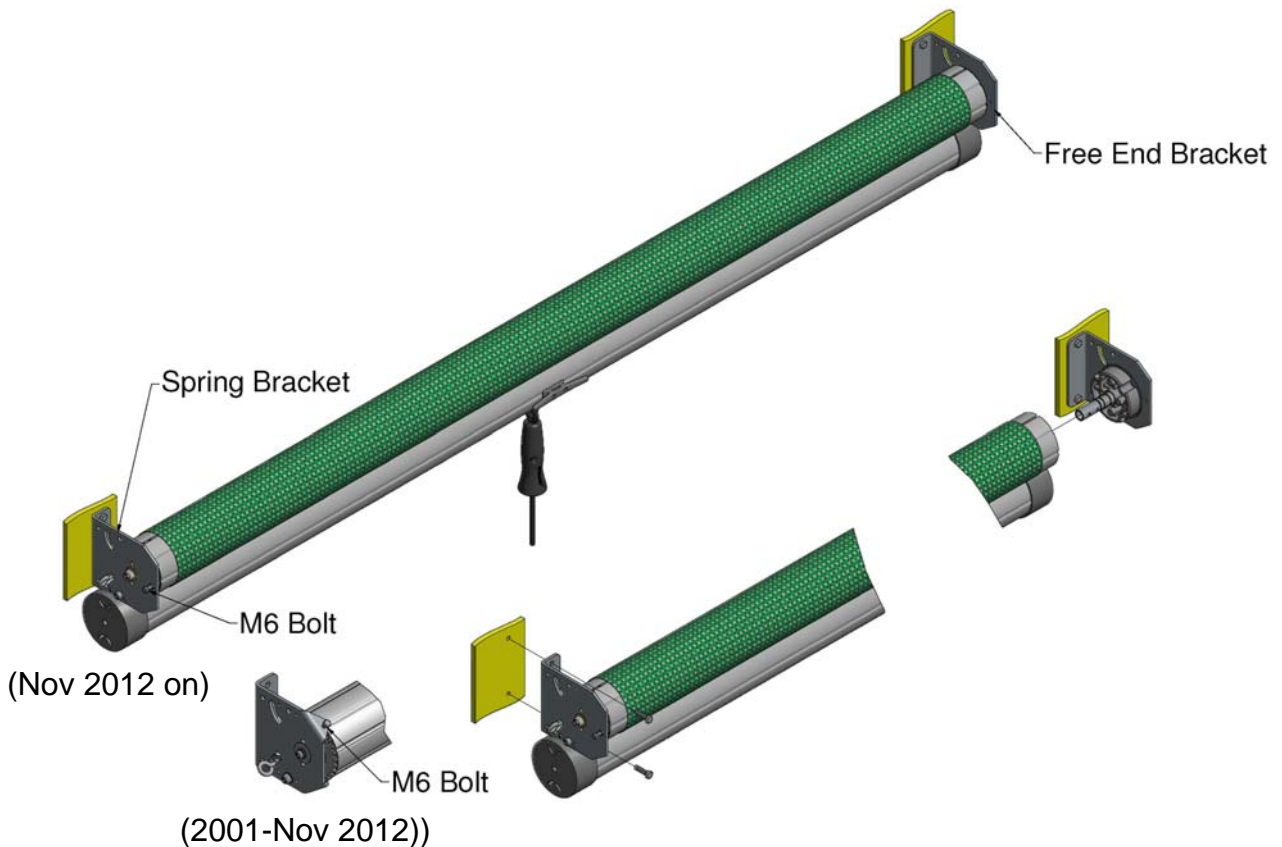


Figure 1, Rollerscreen Removal

Engage the M6 bolt on the spring bracket onto the cog to prevent the spring from unwinding (Figure 1).

	<p>CAUTION: To prevent injury ensure cog is securely fixed before proceeding.</p>
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Remove the bolts securing the spring bracket and remove the Rollerscreen from the building. It is not necessary to remove the Free End Bracket.

Un-roll the sheet from the tube and remove the sheet retaining screws from each corner (if corroded cut off with a small grinder). Clean the flutes in the tube to assist removal and replacement. Remove the old sheet by sliding sideways out of the tube.

Trim the new sheet as required (nominally 8cm shorter than the length of top tube), excessive building overlap may cause premature wear.

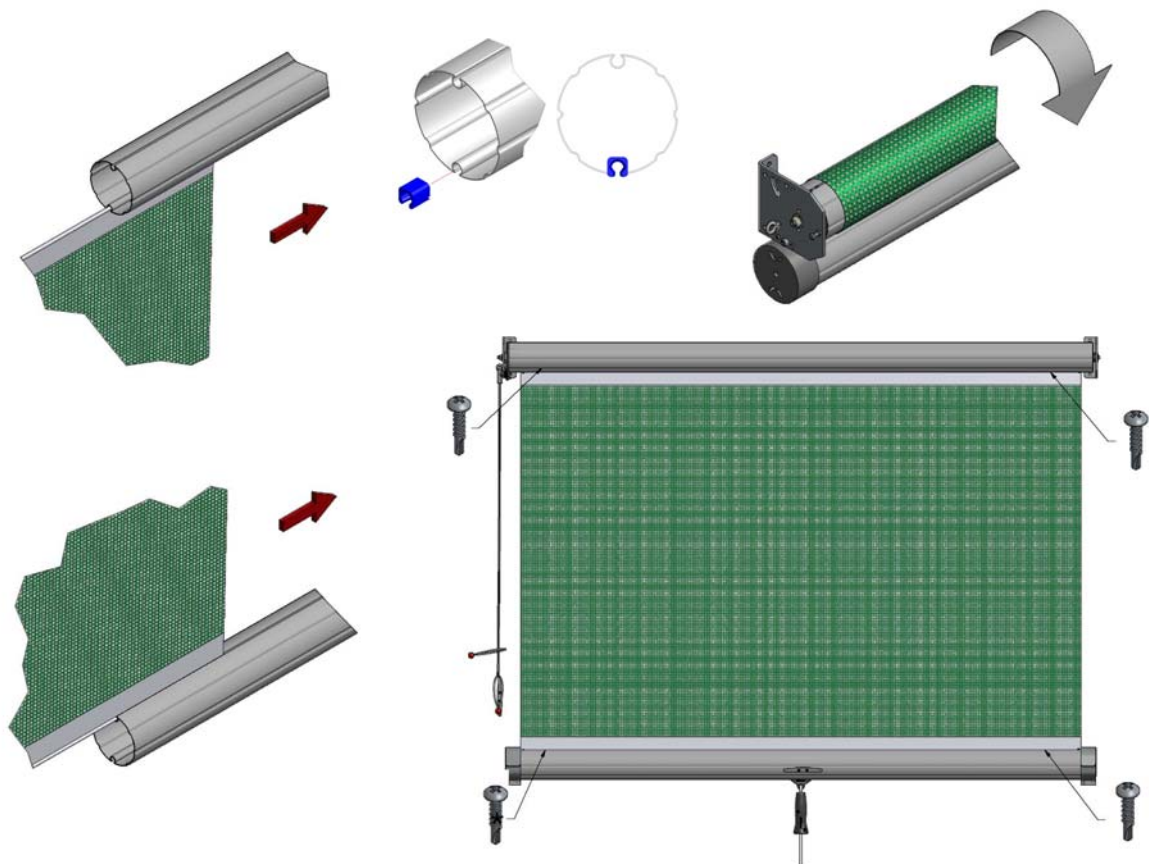


Figure 2, Screen Replacement

Push the Blue Flute Guide Insert over the end of the flute in the tube to protect the fabric sheet as it is being fitted (Figure 2).

Slide the new sheet into the tubes, centralise and fully roll the fabric around the top tube. When the fabric is inserted remove the Flute Guide Insert from the end of the flute. Re-install the Rollerscreen on the building ensuring that the screen rolls off the back of the top tube.

With the bottom tube fully up disengage the M6 bolt to release the spring, pull the screen fully down and re-engage the M6 bolt.

Tension the screen to remove creases, secure each corner of the screen with self-drilling screw supplied and disengage the M6 bolt.

1.2 Rollerdoor

Proceed as for the Rollerscreen, ignoring the details relating to the spring assembly. The Rollerdoor can be removed by removing either of the top brackets.

2.0 ROLLERSCREEN SPRING REPLACEMENT

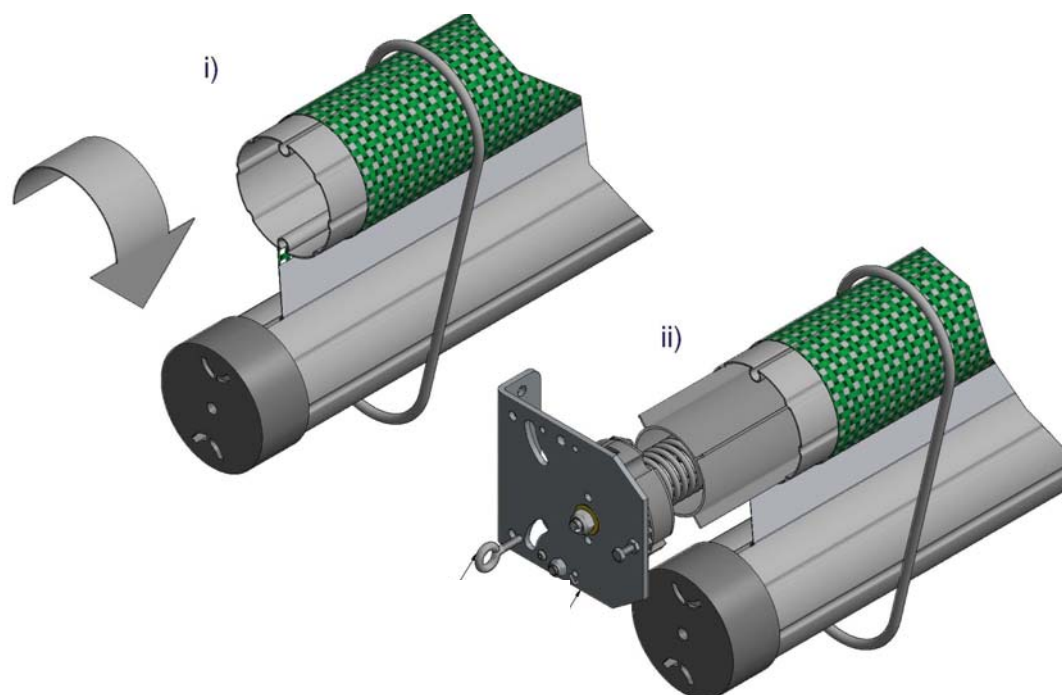
Release the lower tube from the 'J' Brackets allowing the screen to recoil and tie the two tubes together (Figure 3). If it does not fully recoil then wind the screen up by hand.

Engage the M6 bolt on the spring bracket onto the cog to prevent the spring from unwinding (Figure 1).



Remove the bolts securing the spring bracket and remove the Rollerscreen from the building. It is not necessary to remove the Free End Bracket.

Slide the complete old spring assembly from the tube and replace with new spring assembly.

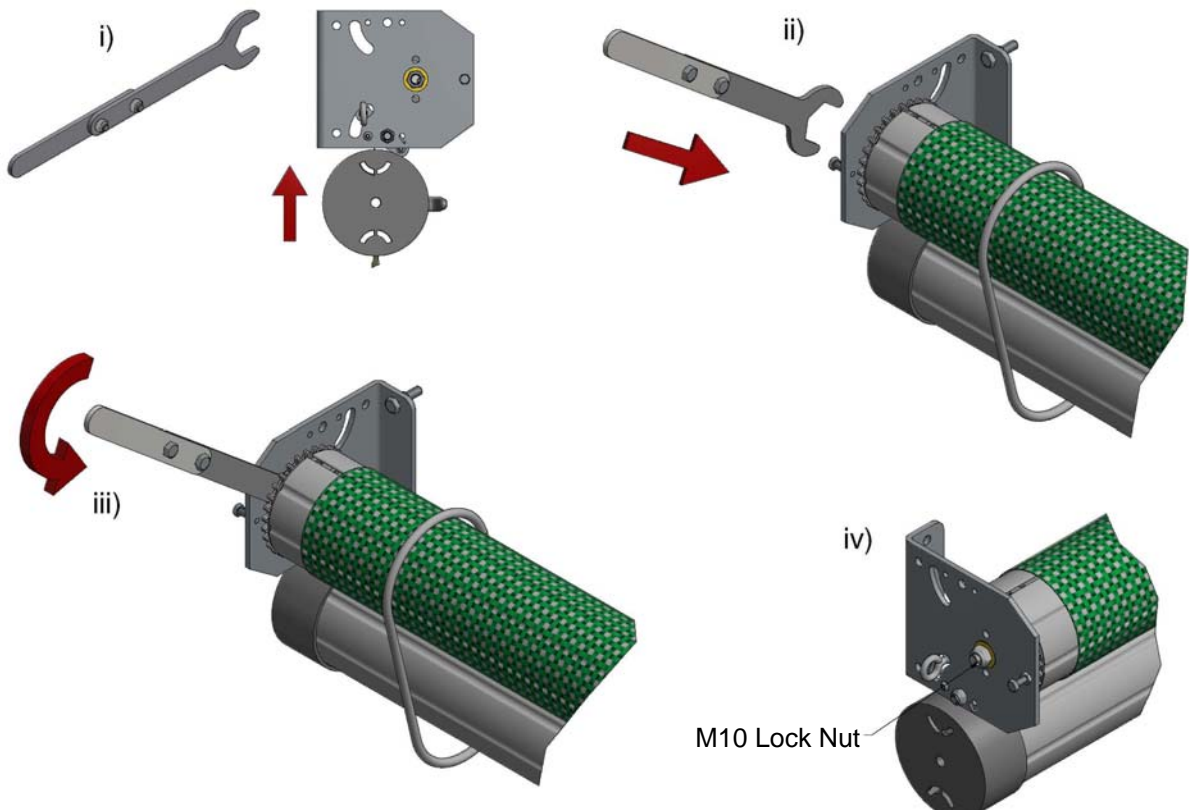


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Figure 3, Recoil Screen and Secure

Re-install the Rollerscreen on the building ensuring that the screen rolls off the back of the top tube.

Assemble the spanner provided in the extended arrangement, Figure 4i and engage on the hexagonal nut located between the cog and the top bracket, Figure 4ii. Rotate the spanner in the direction shown to wind the bottom tube up to the underside of the top brackets.



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Figure 4, Tensioning the Spring

As the spring is tensioned the mechanism will ‘click’ to prevent it unwinding. There are 6 clicks for a full turn. Tension the spring to the minimum requirement given in Table 1.

Width	2.5		3.0		3.5		4.0		4.5		5.0		5.5		6.0	
Height	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
2.1	15	20	16	20	17.5	20	18.5	20	11.5	16	12	16	13	16	13.5	16
3.1	15	20	16	20	17.5	20	18.5	20	11.5	16	12	16	13	16	14	16
4.1	15	20	16	20	17.5	20	11	16	11.5	16	12.5	16	13	16	14	16

Table 1, Min – Max Spring Turns

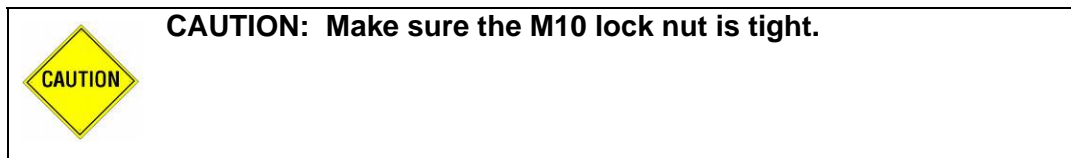
When the spring is set to the required tension make sure the M10 lock nut on the outside of the mounting bracket is tight.

3.0 ROLLERSCREEN SPRING TENSION ADJUSTMENT

Increase tension - Nov 2012 on

- a) Using the spanner supplied increase the spring tension (Figure 4) a few 'clicks' at a time up to the maximum shown in Table 1.
- b) Make sure the M10 lock nut on the outside of the mounting bracket is tight.

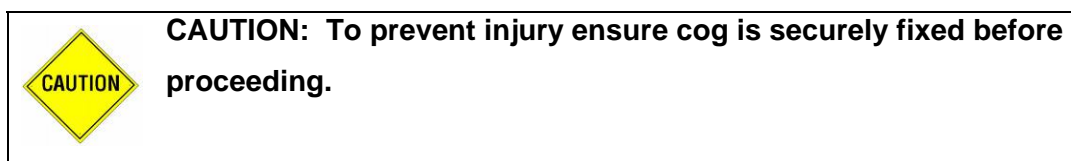
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Increase tension – 2001 - Nov 2012

Release the lower tube from the 'J' Brackets and allow the screen to recoil 2/3rd of its height.

Engage the M6 bolt on the spring bracket onto the cog to prevent the spring from unwinding (Figure 1).



Remove the bolts securing the spring bracket and remove the Rollerscreen from the building. It is not necessary to remove the Free End Bracket.

Wind the surplus screen material onto the top tube (we recommend winding one revolution of material at a time). Re-install the Rollerscreen on the building ensuring that the screen rolls off the back of the top tube.

Disengage the M6 bolt to release the spring, pull the screen fully down and check the tension. If more tension is required repeat the above procedure.

Decrease tension

Release the lower tube from the 'J' Brackets and allow the screen to recoil fully.

Engage the M6 bolt on the spring bracket onto the cog to prevent the spring from unwinding (Figure 1).

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Remove the bolts securing the spring bracket and remove the Rollerscreen from the building. It is not necessary to remove the Free End Bracket.

Unwind the screen material from the top tube (we recommend winding one revolution of material at a time). Re-install the Rollerscreen on the building ensuring that the screen rolls off the back of the top tube.

Disengage the M6 bolt to release the spring, pull the screen fully down and check the tension. If less tension is required repeat the above procedure.

4.0 ROLLERSCREEN SPRING RE-TENSION – following complete loss of tension***Nov 2012 on***

Follow the Instructions in Section 2.0 for the tensioning of the spring.

2001 – Nov 2012

Release the lower tube from the 'J' Brackets allow the screen to recoil fully.

Engage the M6 bolt on the spring bracket onto the cog to prevent the spring from unwinding (Figure 1).



CAUTION: To prevent injury ensure cog is securely fixed before proceeding.

Remove the retaining screws each end of the bottom tube and one end cap. Remove the bottom tube by sliding it sideways.

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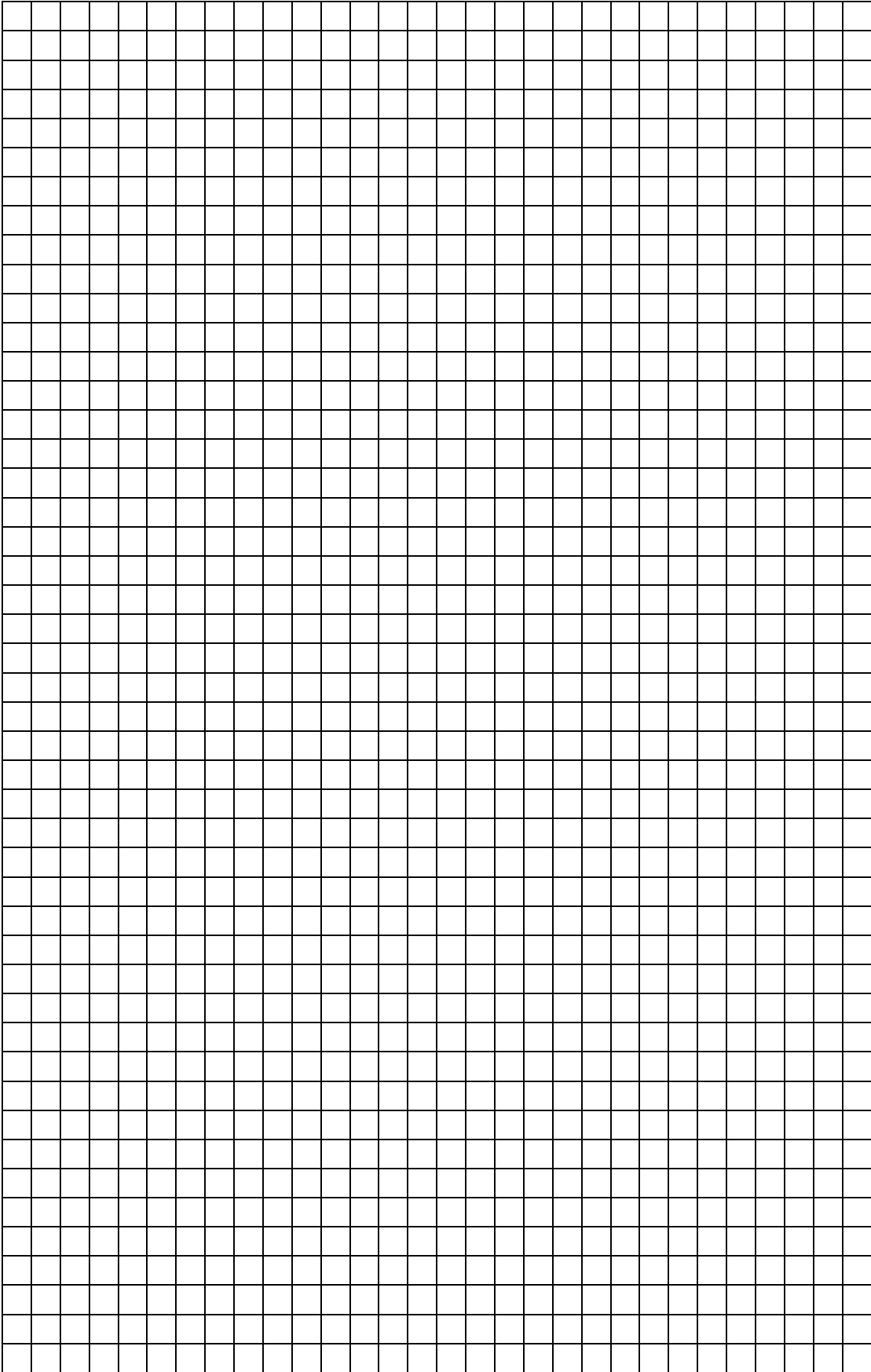
Disengage the M6 bolt to allow the spring to fully unwind.

Pull the screen down around 1.5m and engage the M6 bolt. Wind the screen around the top tube by hand. Hold the screen, disengage the M6 bolt, pull the screen down again and engage the M6 bolt. Repeat until the screen has been wound around the top tube to the number of turns given below. When the correct number of turns has been applied the bottom of the screen must be at the top.

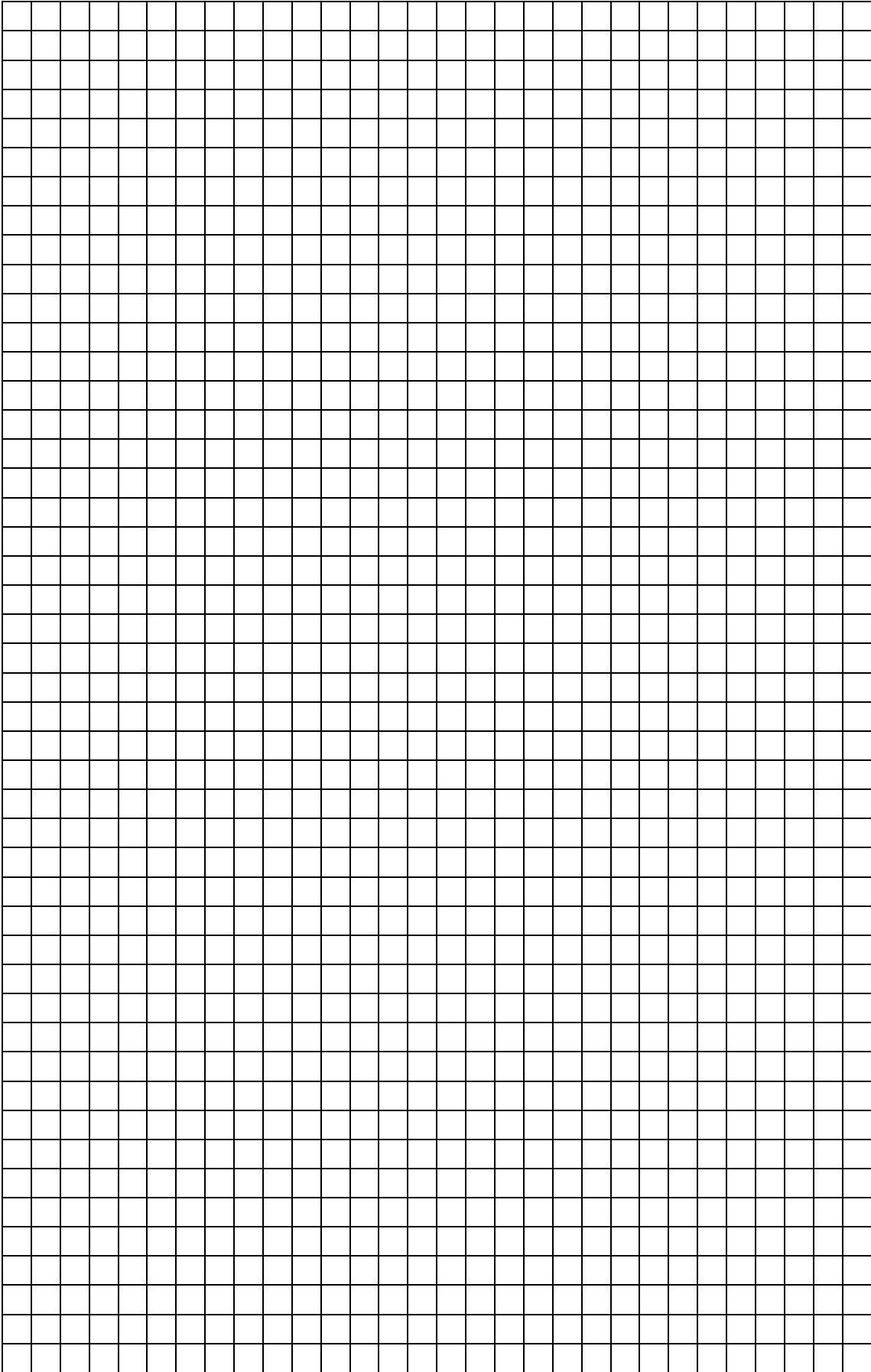
For the larger screens (over 5.5m wide) with the safety spring fitted, each time the screen is wound up the tension in the safety spring needs to be released. Ensure the M6 bolt is engaged, undo the safety spring bracket and turn the safety spring bracket to release the tension. It is recommended that the weight of the screen is supported.

Refit the bottom tube and secure the screen. Refit the end cap.

Tube Dia.	Spring Length	No. Pre-load turns
75mm	1.0m	7
	1.5m	8
	1.9m / 2.0m / 2.3m	10
100mm	1.9m / 2.3m	20
	2.9m	16



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Original Instructions

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