

Secure Econoblind



Installation Instructions

Please read these instructions before starting installation. Also view the 'how to fit' video on our website www.securecovers.com.

Secure Econoblind Installation Instructions

The Secure Econoblind Access System enables a Secure Windbreak to be converted into a simple retractable windbreak. The system is available either in 2m, 3m, 4m and 4.5m pack sizes. The 2m system converts windbreaks which are 1.5 and 2m high, the 3m system converts 2.5 and 3m high windbreaks.

Contents :

	2.0m	3.0m	4.0m	4.5m
Track sections (1m)	4	6	8	10
Combined joiners/fixing plates	6	8	10	12
Double axle trolleys	10	14	18	20
Paired hooks	5	7	9	10
Stops	6	6	6	6
Fixed pulleys	3	3	3	3
Cleats	1	1	1	1
Rope	22m	22m	22m	22m
Cable ties	15	21	27	30



Joiner/Fixing Plate



Stop



Paired Hooks



Trolley



Pulley



Assembled track

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Installation

1. Fix tracks together using joiner/fixing plates (Fig 1). Do not over tighten joining bolts as this will distort the rail. If necessary cut the top track section to fit height of the opening. Ensure cut edges are smooth.



Fig 1 Assembling track

2. Fit joiner/fixing plates 12cm from each end (Fig 2).



Fig 2 Joiner/fixing plate 12cm from top

3. Fix a trolley at the top of each track using a stop above and below (Fig 3). Decide on which side you want to operate the Econoblind and make sure that the rope guide on the trolley is facing in that direction.



Fig 3 Top trolley fixed in place

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4. Ensuring the track is vertical, bolt into position. If preferred weld in place or use self drilling screws (TEK screws).
5. Feed the remaining trolleys in the track, ensuring that the rope guides are on the correct side, and fit a stop at the bottom (Fig 4).



Fig 4 Trolleys in place

6. Fit pulleys into place above each track (Fig 5), either in the RSJ or on the lintel above. Fit an additional pulley in the middle to prevent the rope sagging.



Fig 5 Pulley above track

7. Refer to Diagram 1. From the operating side, thread one end of the rope up through pulley A, across through pulley B then through pulley C and down through the trolley rope guides. Attach the rope to the rope guide on the bottom trolley with a knot (Fig 6).



Fig 6 Rope fixed on bottom trolley



Diagram 1

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8. Pass the other end of the rope up through pulley A at the top of the operating side and then immediately, thread down through the rope guides of the trolleys on this side. At this point the rope length can be adjusted for ease of use and again finished with a knot. You will now see a loop of rope on the operating side (Diagram 1).
9. Fix the cleat in a convenient and safe location out of the reach of children and livestock.
10. Fit the paired hooks from the Econoblind Kit to the loops on the Secure Windbreak and onto the ratchets. Retain larger hooks supplied with the windbreak to allow for future use as a static windbreak if required.
11. Attach the windbreak to the trolleys leaving the top strap unattached (Fig 7).



Fig 7 Attaching the windbreak to the trolleys

12. If necessary adjust the windbreak to the required width. Do this by marking the width on the exterior right hand side of the windbreak material (Fig 8). Then make a vertical incision in the sleeve, being careful not to cut through the tensioning strap and pull webbing strap through the incision (Fig 9). Repeat for all straps. Thread the webbing strap into the ratchet and tighten up (apart from the top one).



Fig 8 Making small vertical slit

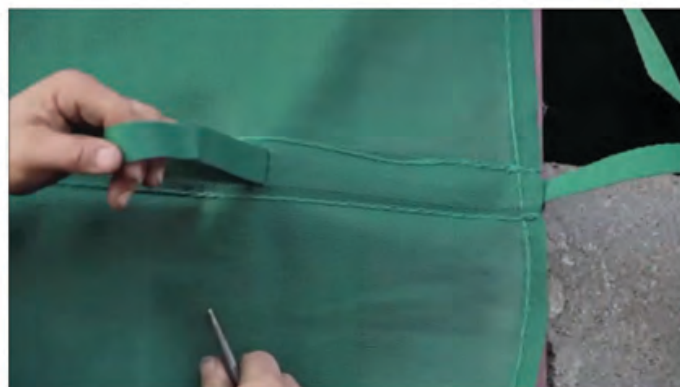


Fig 9 Strap pulled through material

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13. Pull the windbreak up to the top of the rail and attach the remaining hooks to the fixed trolley (Fig 9).



Fig 9 Attaching Econoblind to top fixed trolleys

14. Tighten the top ratchet to hold the windbreak in place then tighten all the remaining ratchets to secure the webbing straps. Do not over tighten.

15. Excess material may now be folded behind and secured with cable ties around the sleeve (Figs 10 - 15). Excess webbing should be rolled up and secured.



Fig 10 Excess width



Fig 11 Folded behind



Fig 12 Cable tie pushed through

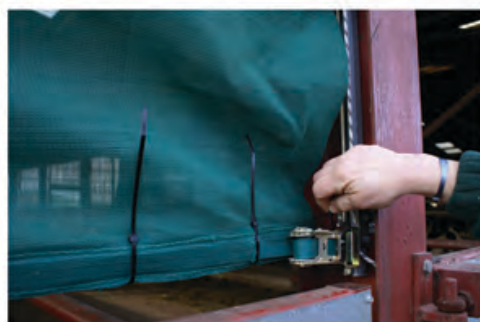


Fig 13 Cable ties in place



Fig 14 Trimmed cable ties

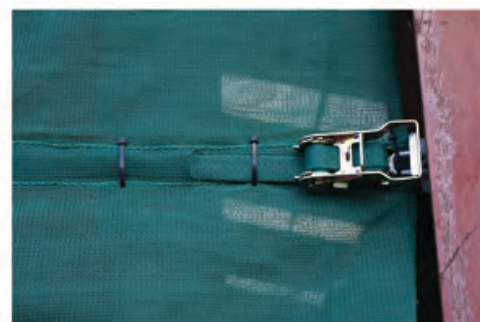


Fig 15 Excess secured

16. The Econoblind can be raised and lowered by pulling on the rope loop. When the Econoblind is in the required position the rope is tied off on the cleat. Make sure all rope is kept away from children and stock.

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CAUTION

1. When working at height use best practice and appropriate equipment.
2. Fitting the Econoblind in excessive wind speeds is not recommended as it could cause injury to the installer.
3. When trimming the windbreak material at the ratchet strap end do not cut through the webbing fixing strap.
4. When tensioning do not let windbreak material run into the ratchet.
5. Do not overtension the ratchets as this will stop the free movement of the trolleys.
6. We recommend that the windbreaks and moving parts are kept out of the reach of livestock in case of damage by chewing or entanglement in the mechanism.

Maintenance

1. Check the hooks, ratchets, trolleys and pulleys annually for corrosion. Replace if necessary.
2. Maintain tension on ratchets. Check a few weeks after installing and then annually.
3. Lubricate the ratchet tensioners, trolleys and pulleys prior to installation and then annually to ensure their free operation.
4. Secure Windbreak material will not fray or unravel if damaged and can quite simply be repaired using a repair kit available from Thomas & Fontaine Ltd.

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