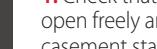
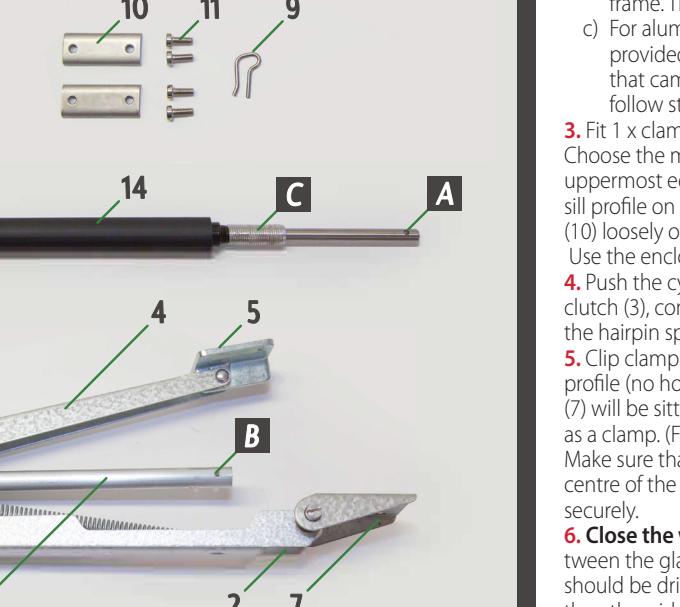


# WINDOW OPENER



WINDOW  
OPENER



BY ORBESEN TEKNIK

Watch our video on  
 YouTube  
By Orbesen Teknik

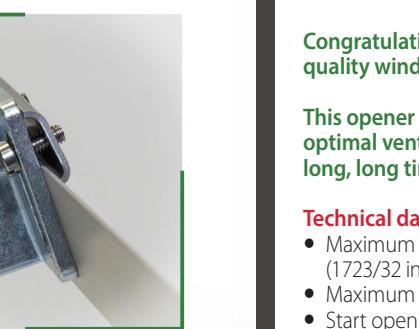


Fig. 1



Fig. 2



Fig. 3

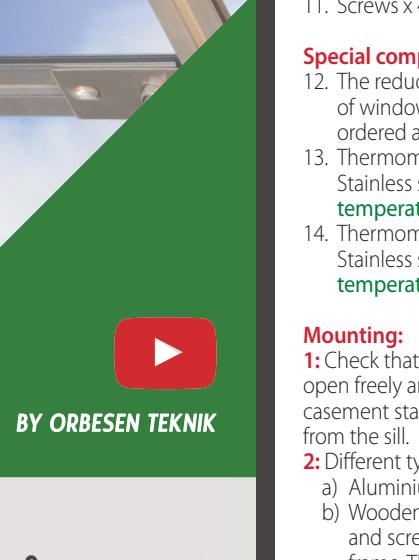


Fig. 2

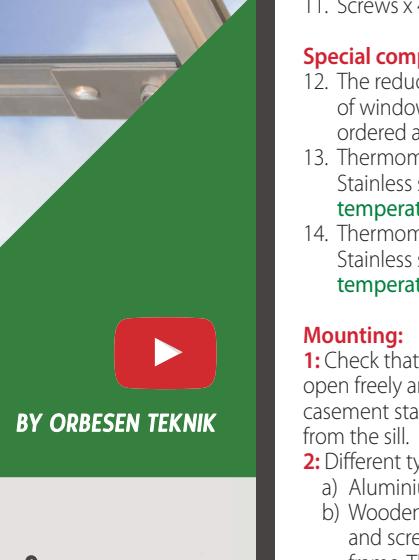


Fig. 3

GB

Congratulations on the purchase of your new quality window opener.

This opener will guarantee 100% automatic and optimal ventilation of your greenhouse for a long, long time to come.

**Technical data:**

- Maximum window opening, approx. 45cm (1723/32 in) – depending on adjustment and load
- Maximum opening at 30 °C (86°F)
- Start opening temperature 17 °C-25°C (62,60°F-77°F)
- Can lift up to 7 kg = a window weighing 15 kg (33lb)

**Warranty:**

The window opener comes with a 2 year warranty when it has been fitted and used correctly. In the event that a correctly fitted and used window opener becomes defective and needs to be repaired (despite our meticulous testing and controls), please send us a email to info@orbesenteknik.com with pictures.

**Components:**

1. Threaded cylinder (C)
2. Cylinder housing
3. Push-rod
4. Arm K
5. Window bracket
6. Arm L
7. Sill bracket
8. Pullback spring
9. Hairpin split; see screw bag
10. Clamps x 2, see screw bag
11. Screws x 4, see screw bag

**Special components:**

12. The reduction cylinder for limiting the opening of window a maximum of 32 cm, can be ordered at www.orbesenteknik.com
13. Thermometer – only with the opener in Stainless steel \*see adjustment of opening temperature
14. Thermometer cover- only with the opener in Stainless steel \*see adjustment of opening temperature

**Mounting:**

**1:** Check that the greenhouse window is able to open freely and is not obstructed. Remove existing casement stays and arms from the window and from the sill.

**2:** Different types of greenhouse

- a) Aluminium greenhouse: follow steps 4-5-6-7-8
- b) Wooden greenhouse: Use your own screws and screw the opener securely into the wood frame. Then follow steps 5-8.
- c) For aluminum greenhouses where the clamps provided do **not** fit: follow the instructions that came with the greenhouse and then follow steps 5-8.

**3:** Fit 1x clamp (10) loosely onto the sill bracket (7). Choose the most suitable set of holes, so that the uppermost edge of the sill bracket is flush with the sill profile on the greenhouse. Then, fix 1x clamp (10) loosely on the window bracket (5) (Fig. 1). Use the enclosed screws (11) in the bag.

**4:** Push the cylinder with hole A into hole B on the clutch (3), connect hole A and hole B by means of the hairpin split (9). (Fig.3)

**5:** Clip clamp (10) in between the glass and the sill profile (no holes should be drilled). The sill bracket (7) will be sitting on the other side of profile, acting as a clamp. (Fig.3)

Make sure that the sill bracket is placed in the centre of the window. Then tighten the sill bracket securely.

**6:** Close the window, clip the clamp (10) in between the glass and the window profile (no holes should be drilled) the window bracket (5) will sit on the other side like a clamp. The window bracket (5) is placed in the centre of the window profile. Then tighten the window bracket (5).

**Concluding remark:**

- this window opener is not suitable for use in places where the temperature exceeds 50 °C (122°F)

**In the spring:**

1. Remove the strip.
2. Lubricate all moveable parts with light oil. Also, lubricate the thread (C) with grease or petroleum jelly (This will extend the life of the opener).
3. Screw the cylinder (1) into place in the cylinder housing (2).

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