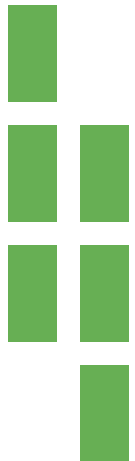


Saffold

Foldout Ladder

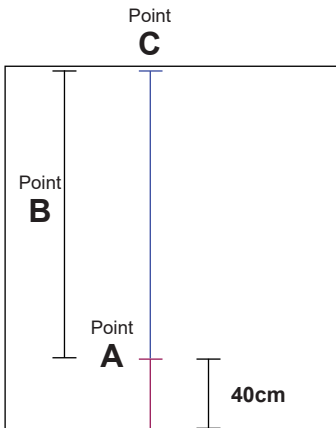
Installation and Testing Instructions for Saffold Access Ladders



Joining sections

1. After removing all outer packaging from the ladder, place two sections across two chairs or similar with the wall brackets facing downwards.
2. Open the ladder sections and keep them open with wooden blocks. On the lower section remove the 'L' shaped aluminium cover (if applicable).
3. To join the two sections of the ladder first screw a connecting plate (with through holes) to the inside of the back of the ladder (the side with the wall brackets) by threading the screws from the outside to the inside of the ladder and securing them with nuts.
4. Now connect the other legs of the ladder sections using the threaded plate and chamfered screws.
5. Fit the additional rung that is provided by fitting bolts from the relevant side and carefully tighten the nut from the other side. Do NOT overtighten! For correct orientation of the rung, please see the rungs either side.

Fitting ladder to the wall



A: 40cm measured from the ground

B: Length of ladder measured from the bottom of the ladder to the highest hole in its back

1. Once you have decided in which location the ladder needs to be installed mark the wall with a short vertical line
2. From the ground, measure 40cm and make a mark on the wall (point A). This is where the bottom of the ladder will need to end. This ensures that when the ladder is deployed, there is enough space for the outer leg of the ladder to fully open.
3. Measure the ladder from the highest hole in the back of the ladder to the bottom of the ladder (length B)
4. From the mark on the wall (point A) measure upward and make a second mark on the wall (point C) where the highest hole on the back of the ladder will be (length B). At C a hole should be drilled and a pilot screw fitted. This is to enable the ladder to be hung in position during the marking of the bracket positions and also to check the correct positioning of the ladder before full installation takes place.

5. To drill the hole for the pilot screw start by drilling a hole using the 8mm drill bit at point C (depth approx. 60mm).
6. Change to the 12mm drill bit and finish off the bore up to a depth of approximately 60mm.
7. Fit a plug into the whole and then the screw. Leave approximately 10mm of the screw standing proud from the wall to allow for the ladder to be loosely hung from this pilot screw in the next stage.
8. Hang the ladder on the pilot screw, ensuring that it hangs straight. Check that the highest rung offers sufficient access for your application. Do not climb onto the ladder at this stage!
9. If you are happy with the position of the ladder start to mark the screw positions for the wall brackets. Do this by using a centre punch. **WARNING:** Ensure that the ladder does not move during this process.
10. After marking all the holes, lift the ladder from the pilot screw and place it in a safe place.
11. Using the 8mm drill bit, drill each marked position to an approximate depth of 80mm.
12. Change to the 12mm drill bit and drill each hole again. Then fit plugs to each hole.
13. Hang the ladder on to the pilot screw again.
14. Place a washer over each screw and push the screws through the bracket holes into the plugs; only finger tighten them at this stage. This ensures that all holes are in the correct position before they are fully tightened.
15. Fully tighten the screws one bracket at a time. After the screws on each bracket have been tightened, open the ladder to ensure that it opens smoothly before going on to the next bracket. If the ladder becomes stiff to open this is probably due to the wall not being straight. Slide some of the provided distance plates behind the wall bracket where there are gaps.
16. Once the ladder is installed the lock pin will need to be fitted to the relevant locking hole on the ladder.
17. To avoid accidental loss of this pin secure it to the ladder with the chain and screw provided.



You are now ready to test your ladder

Testing the ladder for the first time

- Remove the locking pin
- Open up the ladder, ensuring that nobody is in the way.
- Ensure the ladder has opened fully and rungs are horizontal.
- To familiarise yourself with the ladder and to test its strength stand on the bottom rung and bounce on the rung. Do not use the ladder if it does not feel solid. Climb up a few rungs starting from the bottom (For extra security a harness can be purchased to secure the user to the ladder).
- Once you feel confident you can start using your access ladder in the intended way.

Testing the ladder from above

- Remove the pin and deploy the ladder
- Holding on to the outer leg of the ladder, step onto the rungs. Extension handles are available where the handhold is uncomfortably low.
- Climb slowly down the ladder.
 - For extra security a harness can be purchased to secure the user to the ladder

Tools required

- Electric drill (drill inserts provided)
- Centre punch
- Hammer
- Allen keys
- Ratchet set with sockets
- Spanners
- 2 wooden blocks or similar
- 2 chairs or wooden boxes



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