

PREMIER LOFT LADDERS

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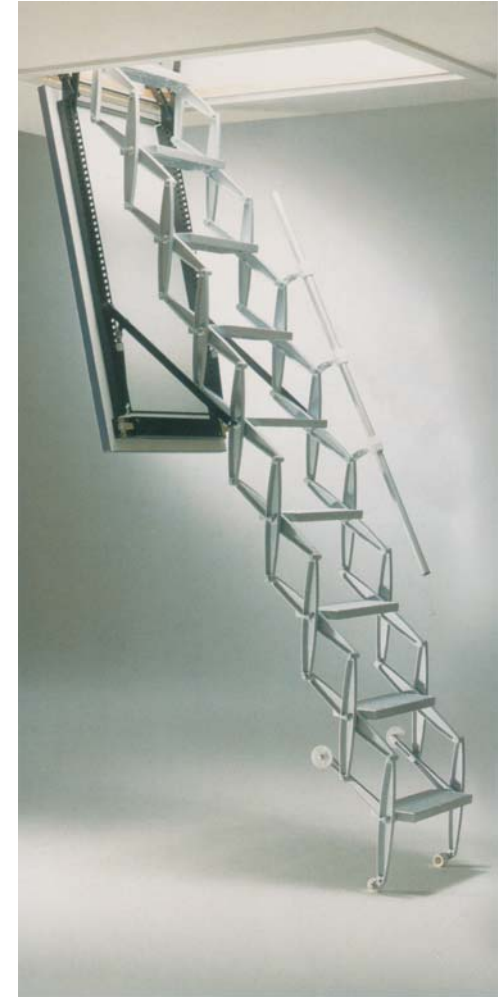
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Consequently, we advise users to review their continuing validity annually.

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Installation Instructions: Fire Resistant



Premier Loft Ladders Ltd Registered Office: 2 Dawson Drive, Trimley St Mary, Felixstowe, Suffolk. IP11 0YW
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Fire Resistant Hatch Box

Sheet steel casings and trap doors are available for the stairways which provide 30 or 90 minute fire resistance. The trapdoors are filled with mineral wool which is 40mm thick for 30 minute resistance and 70mm thick for 90 minute resistance.

The minimum aperture width which is required for a fire resistant casing is 600mm. The 30 minute resistant casing requires a depth of 200mm and 240mm for 90 minute fire resistant models. For ceilings more than 390mm thick, a 240mm deep steel casing is fitted with an additional wooden casing to make up the extra depth. This helps keep the weight of the unit to a minimum, but such a casing cannot be used on suspended ceilings where fire can penetrate the lower ceiling level.

Flanges on the steel trap door and the casing interlock to prevent the passage of flames. A minimum 5mm overlap is required to maintain fire protection standards.

Check the existing dimensions.

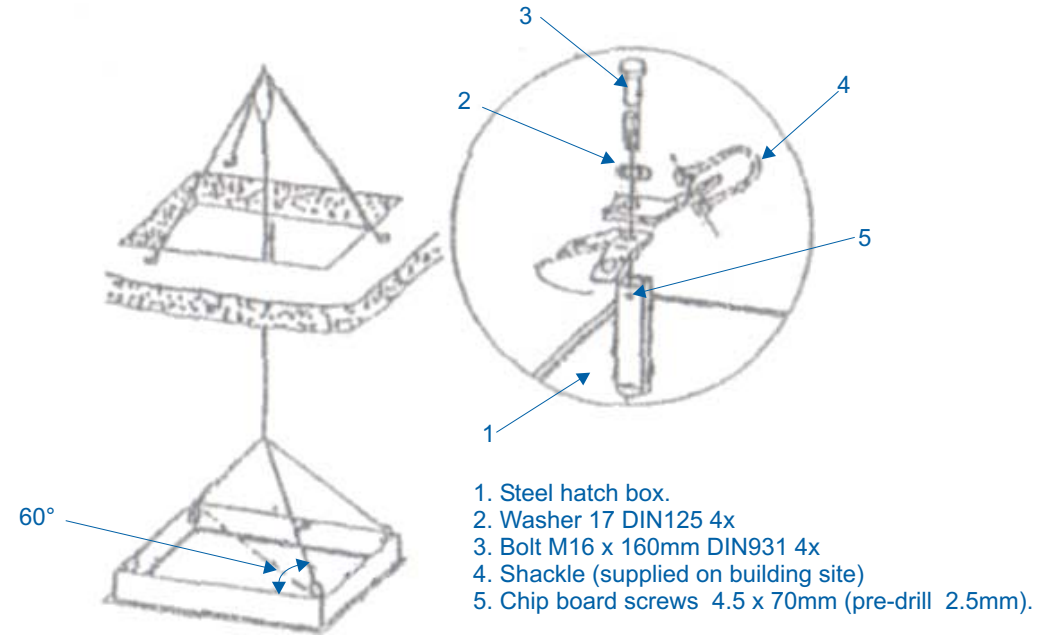
- Length and width of the ceiling aperture
- Thickness of ceiling
- Length and width of the steel box (Outside dimensions)
- Height of box

Position the steel box (6) under the ceiling aperture and in the installation position.

Attach parts 1, 2, 3 and 4, as illustrated and at all four corners screw in M16 x 160 bolts (3) in the tubes provided (with the lower edge of the nuts flush).

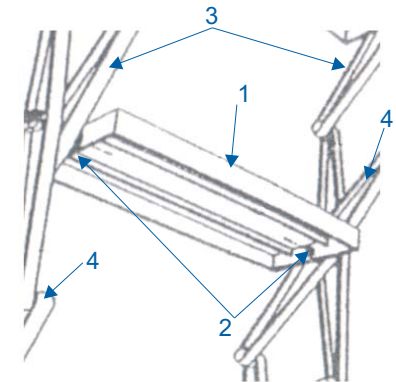
- Caution:** Do not screw the bolts (3) in too deeply. It must be possible to swing the lower retainer over the edge of the steel box and the floor when the steel box has been lifted up.
- Attach load-carrying cable to all four upper retainers by means of the shackle (4) similar to DIN 82101 (supplied on building side) and lift the steel box into the aperture.
- Caution:** The steel box must be lifted horizontally into the aperture. Otherwise there is a danger of the cables being overloaded.
- To aid safety, provide suitable supports for the Z frames as an additional measure to prevent falling. The lid of the box must be left open for alignment of the steps.
- Swivel out the lower retainer at all four corners. If necessary, use a protective underlay. Align the box using the bolts (3) and a spirit level.
- Caution:** Do not fully unscrew the bolts out of the nuts **Danger of the steel box falling!** Align the box laterally. Check the function of the steps by opening the lid (the lid must not be canted).
- Securely fix the steel box to the building structure using suitable bolts (At least 6 x 70) and using at least 8 bolts.
- After complete installation the gap between the box and the aperture is to be filled with mortar **in order to guarantee the fire resistance time** (Fire regulations).

After installing the steel box remove items 2, 3, 4 and 5. The square tubes in the corners are for fixing the guard rail.



Adjusting the steps:

- Open the scissor steps and set them to the end position.
- Loosen the hexagon nuts (2) on the inside of the steps until all the steps can be rotated (**The steps must not be stood on in this condition**).
- Set the steps (1) in a horizontal position and re-tighten the nut (2).



Maintenance:

- At regular intervals, check all screws, nuts, and locking parts for proper seating.
- Regularly oil/grease all moving parts.