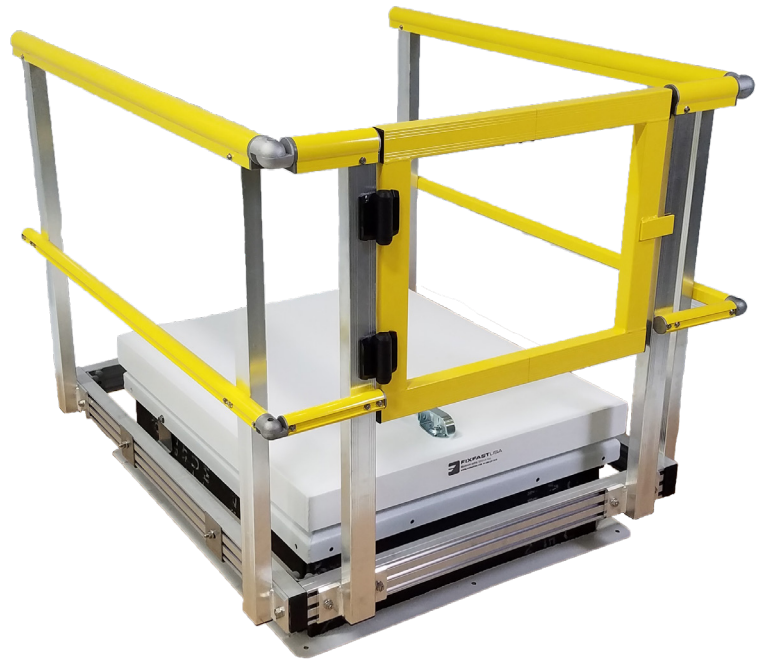


INSTALLATION MANUAL

ROOF HATCH GUARDRAIL

KG



⚠ WARNING

Read this manual before installing, maintaining or allowing personnel to use the product. If it is necessary to deviate from the instructions in this manual, contact Kattsafe to ensure that it does not compromise the safety and integrity of the installation.

This manual contains important use and maintenance information. Leave this manual with the facility manager/owner.

Improper selection, installation, maintenance, or use of this product presents a risk of serious injury or death.

IMPORTANT SAFETY INFORMATION

Must read prior to use

1. Read installation and operation instructions carefully before commencing any work.
2. Installers must be competent persons trained (including OSHA 10 or 30 hour courses) in the selection, installation, use and maintenance of access and fall protection systems. This includes possessing valid industry licenses and having comprehensive knowledge of the relevant standards, codes, and guidelines (including relevant OSHA standards).
3. Conduct an initial work/risk assessment and take all reasonable precautions to eliminate or reduce potential hazards and risks during installation of this product.
4. Installers must possess valid industry licenses, be appropriately trained and comply with all relevant OSHA legislation during installation of this product.
5. Ensure support structure to which unit is attached, will sustain necessary design loads. (Prior approval may be required from a qualified engineer unless it is clear to a competent person that the structure is adequate.)
6. Do not modify or remove any existing structural component or product without prior authorization by manufacturer or qualified engineer.
7. Any re-routing of electrical and/or other services must be carried out by qualified or authorized personnel.
8. Appropriate temporary access and safety equipment must be used during installation, such as platform ladders or scaffolding and fall protection anchorage points.

Tools required

9/16" socket wrench

15mm socket

Included in kit

Allen wrench

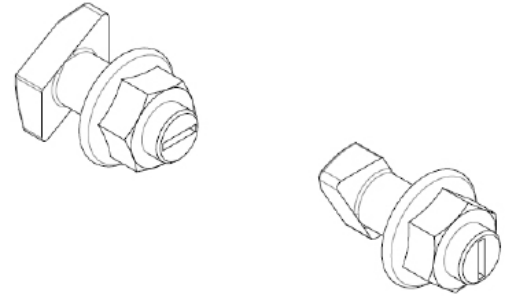
Kattsafe instructions and recommendations, drawings and diagrams, and all other documentation are copyright, errors and omissions excepted, and must be carefully read and implemented. Any assistance or guidance given is without prejudice, and Kattsafe cannot be held responsible for any inaccuracy or misinterpretation whatever. Failure to follow site installation requirements and warnings, may result in serious injury or death. Kattsafe accepts no direct or indirect responsibility and/or consequential liability whatever, for any products and systems incorrectly installed or certified. Kattsafe cannot warrant the integrity or suitability of the structure to which the products may be attached. Prior assessment must be made by a qualified structural engineer, unless the structure is authorized or approved by a competent person.

T-BOLT ASSEMBLY

Kattsafe T-Bolt

The T-Bolt is an M10, 316 S/S assembly designed for the Modular Access System.

A slot at the end of the bolt is a visual aid to ensure correct lock position once inserted into the extrusion slot.



Installation requirements

It is recommended that an impact wrench gun be used to tighten fixings.

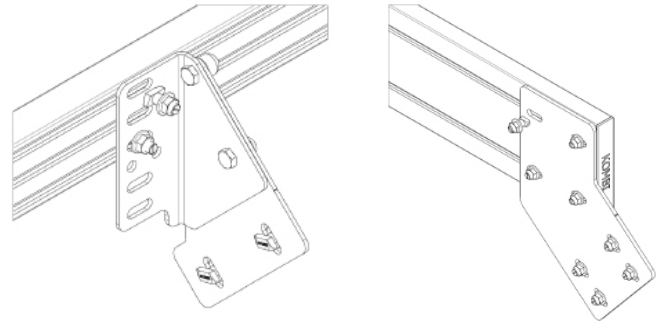
T-Nut tightening torque: 60 Nm.

T-Bolt insertion

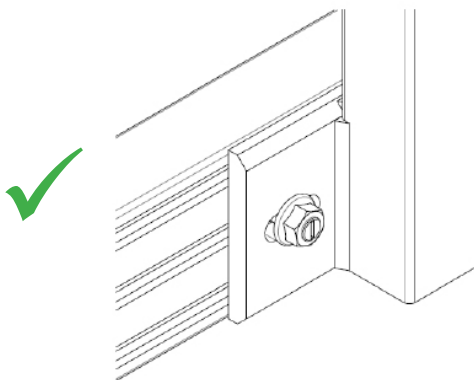
Undo the nut to the extent of the bolt.

Install T-Bolt and tighten.

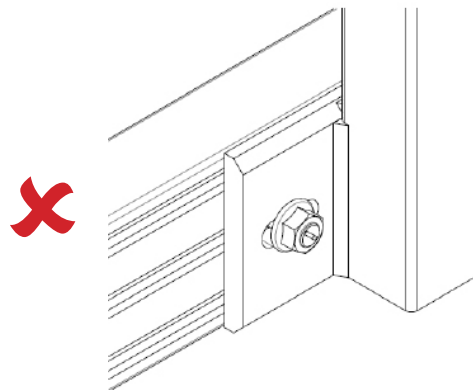
Ensure correct T-Bolt lock position by checking the slot on the end of the bolt is perpendicular to the extrusion slot.



Correct T-Bolt position



Slot perpendicular to extrusion slot



Slot NOT perpendicular to extrusion slot

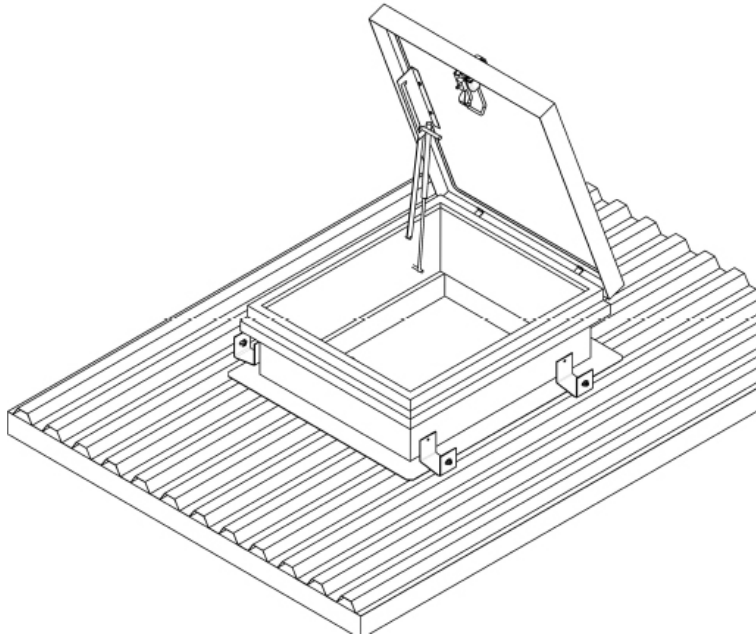
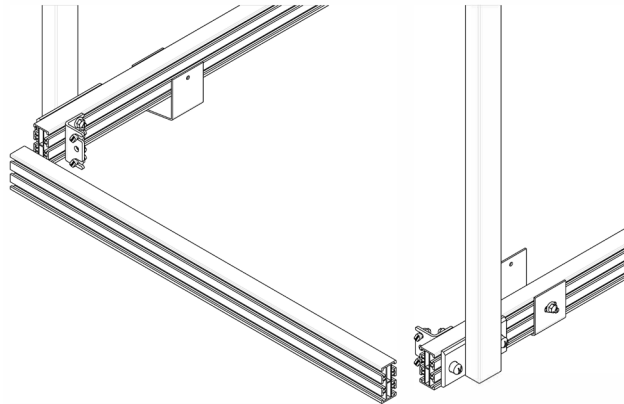


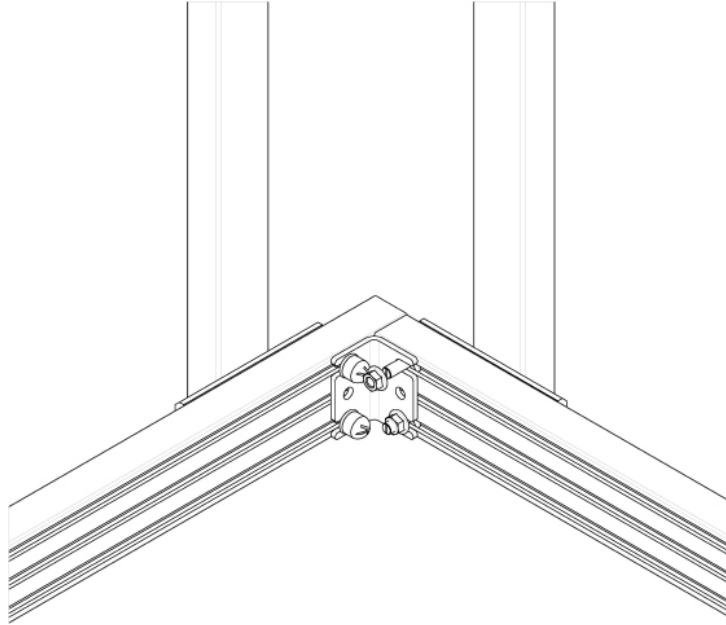
Fig. A



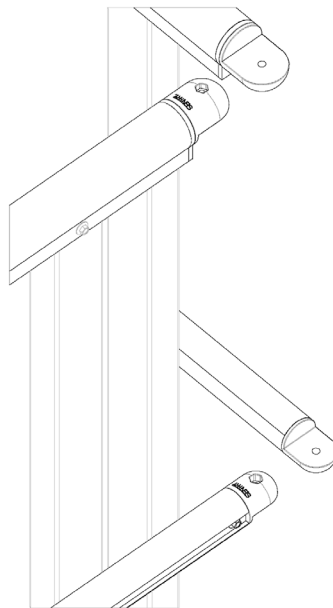
- 1 Locate pre-drilled holes on the skirt of the roof hatch. If pre-drilled holes are not present, drill a 1/2" diameter hole a minimum of 2" on center from the corner of the roof hatch. (Fig A.)
Position brackets with a welded nut on the underside of the skirt. Mount the bracket to the skirt with the s/s hardware provided.



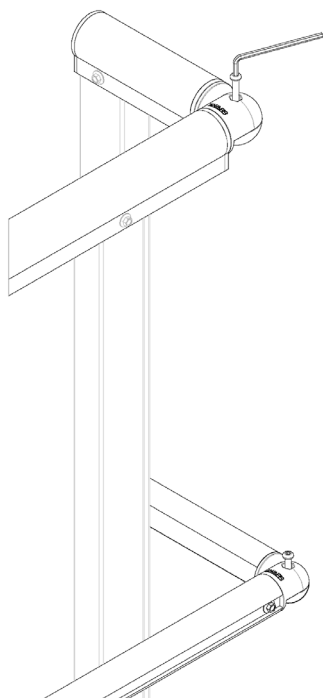
- 2 Begin assembly of the guardrail next to the roof hatch. Align extrusions to connect both sides of the guardrail.



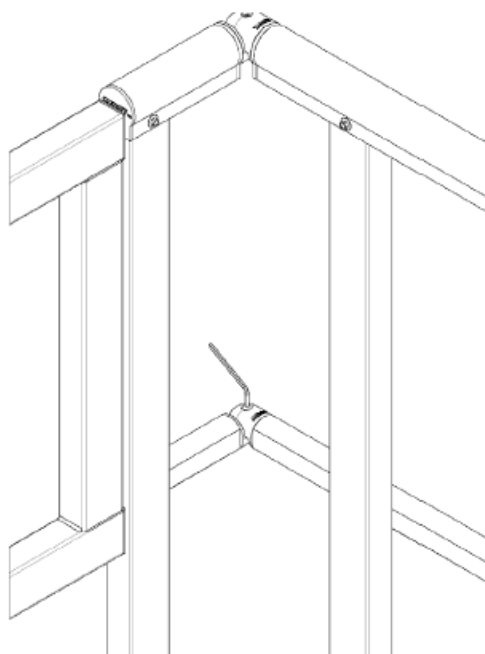
3 Fasten inside corners using T-bolts.



4 Align the top rail and mid rail corners together.



5 Fasten top rail elbow using the Allen wrench.



6 Fasten midrail elbow using an Allen wrench.



- 7** Fit the frame of the roof hatch guardrail into the brackets installed on the roof hatch. Fasten the brackets on the outside of the K-extrusion using the t-bolts.



- 8** If required: The self-closing gate hinge can be tightened to increase tension using a flathead screwdriver.

Date of first use:						Installed by:						
Competent person to inspect product and initial on the grid below.												
Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
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