

INSTALLATION MANUAL

CAGED FIXED LADDER

RL40 SERIES



⚠ 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

Improper selection, installation, maintenance, or use of this product presents a risk of serious injury or death. To reduce these risks, follow the instructions in this document, as well as the following precautions:

Qualifications

1. A competent person or structural engineer must evaluate the integrity and suitability of the fixing and support structure to which this system will be attached and ensure that the structure will sustain the necessary design loads. Remove decorative coatings and coverings to ensure correct evaluation of structure.
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. Ensure that the product is used and maintained by authorized, competent, trained personnel only.
4. Any re-routing of electrical or other services must be carried out by qualified and authorized personnel.

Preparing for a Safe Installation

1. The Installer is responsible for following all applicable requirements for occupational safety and health during installation, including:
 - a. Conducting an initial work/risk assessment
 - b. Completing all necessary safety documentation, such as a job safety analysis or work method statement
 - c. Taking appropriate precautions during the installation of this product, and
 - d. Obtaining consent from a responsible person at the workplace prior to work
 - e. Any re-routing of electrical and/or other services must be carried out by qualified or authorized personnel
2. Use appropriate temporary access and safety equipment during installation, such as platform ladders or scaffolding and fall protection anchorage points.
3. At least two installers must be present during installation, in case of emergency.

Installation Requirements

Ensure support structure to which system is attached or installed on, 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).

Modification

Do not modify or remove any element of the support structure without prior authorization by the manufacturer or a qualified engineer. There should be no item or system mounted, connected, or supported by these guardrail systems.

Do not tamper with, modify, alter or remove any part of this product unless authorized by Kattsafe.

Product Use

Do not use when working alone, in case of an emergency that requires help. If the ladder is subjected to abnormal loading, do not use until replaced or re-certified by a competent person.

Must Read Prior to Use

In order to maintain the product warranty, Kattsafe labels must be placed at points of access or in highly visible areas. There are (2) labels provided with every installation kit.

Tools Required

Power drill
5/16in drill bit
5/16in nut setter
2ft level
Circular saw with aluminum cutting blade (not a diamond blade)
1/2in wrench/socket
9/16in wrench
15mm wrench/socket
Crescent wrench
Tape measure
Chalk line
Speed square

Kattsafe Fixing Kit

Please note that a 'Kattsafe Fixing Kit' is supplied with every Kattsafe ladder. This kit includes a 1/2in wrench, file, 5/16in nut setter, and a 5/16in drill bit.

⚠ WARNING

Top rung must be level with the landing (walking/working surface). For RL41, 42, 43, 44, and 45 ladders, please ensure sufficient height is added so top rung is level with parapet platform/walkway.

Warranty

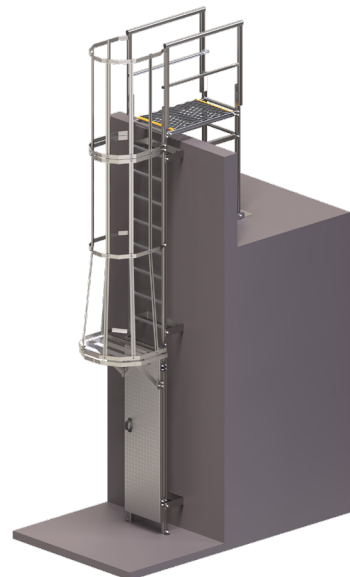


Scan to view the warranty on
our website

RL40 SERIES LADDER CONFIGURATIONS



RL41
Caged Ladder with
Grab Rails



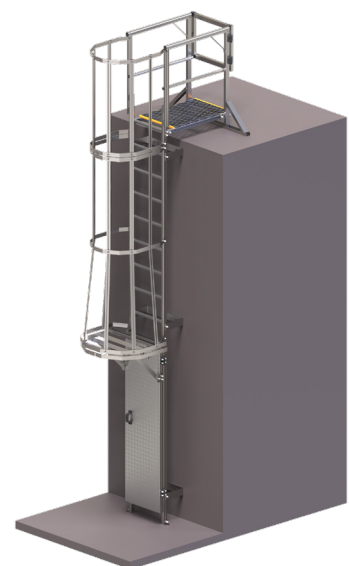
RL42
Caged Ladder with Parapet
Platform



RL43
Caged Ladder with 8ft
Landing Platform



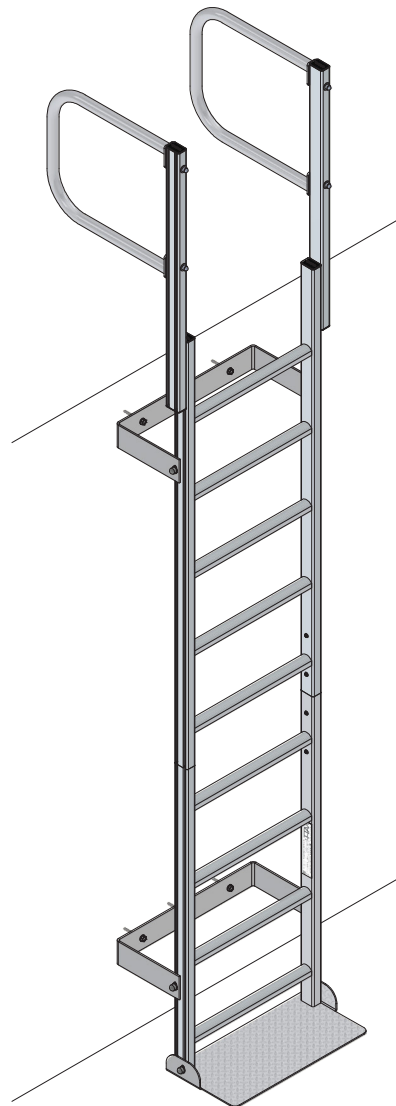
RL44
Caged Ladder with
Retractable Stiles



RL45
Caged Ladder with 3ft
Landing Platform

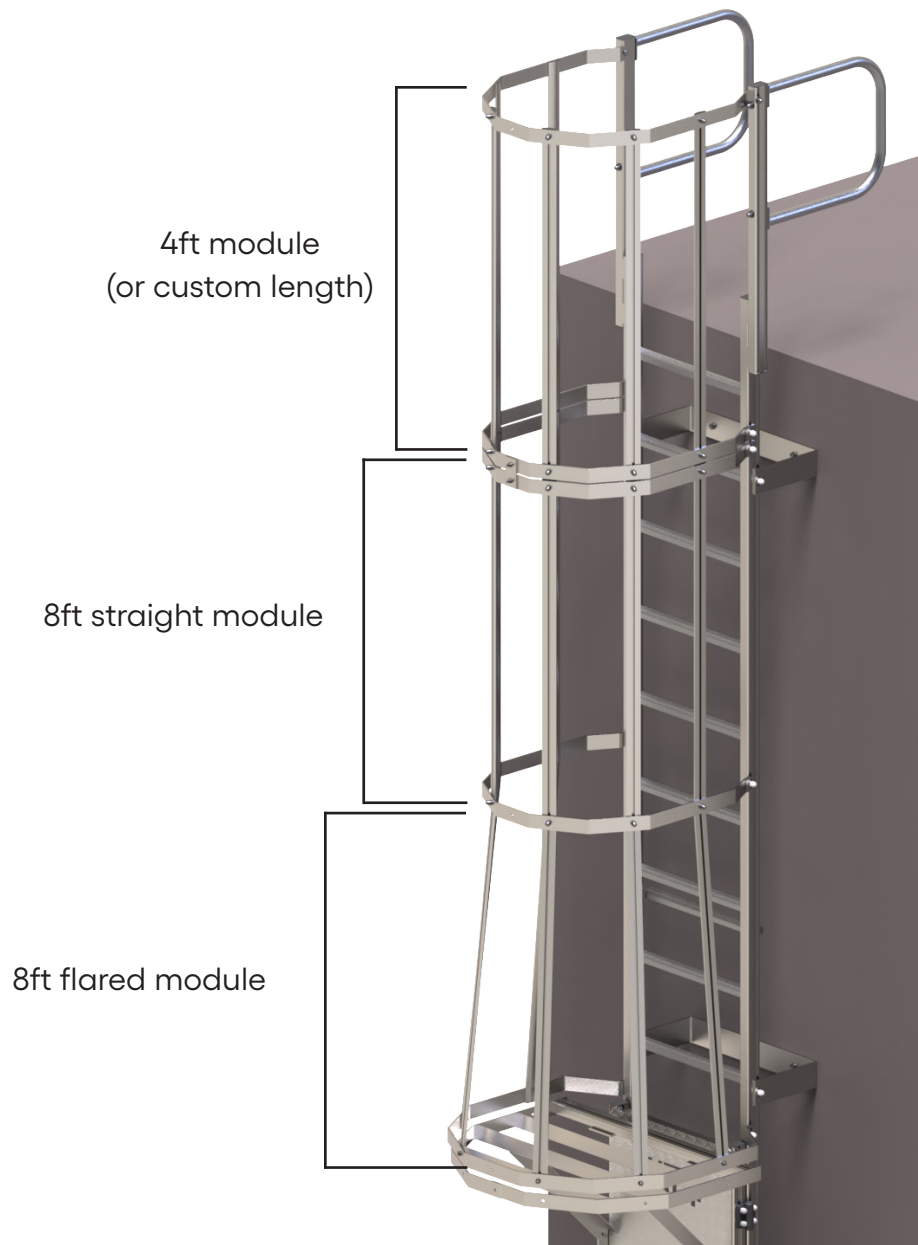
INSTALLATION MANUAL

CAGED MODULE



IMPORTANT NOTE BEFORE INSTALLING

There are (3) cage module types. Assembly of the flared 8ft module for the ladder base, the 8ft straight module and the 4ft module (or custom length) can be achieved by following the basics of this install guide.





- 1 Locate the hoops. To form the 'U' shape cage hoops, join (2) hoops together by overlapping the middle holes and fastening with a 5/16in x 1-1/4in S/S bolt and nut. Repeat this for the remaining hoops.



IMPORTANT NOTES:

- Each caged ladder will have one larger hoop at the base (flared module). Standards require the flared opening at the base of a caged ladder.
- Distance between cage hoops must NOT exceed 4ft.



- 2** Once all the hoops have been joined together, lay (1) hoop on the ground and insert a 5/16in x 3/4in bolt/nut through the (2) holes nearest each end of the hoop. Locate a cage stringer and slide the stringer slot over the head of the bolt on the inside of the hoop and ensure it is flush with the bottom of the hoop. Tighten the nut on the outside and repeat this for the remaining holes. There is no cage stringer mounted in the center. There must be a minimum of (6) cage stringers per cage module.



IMPORTANT NOTE:

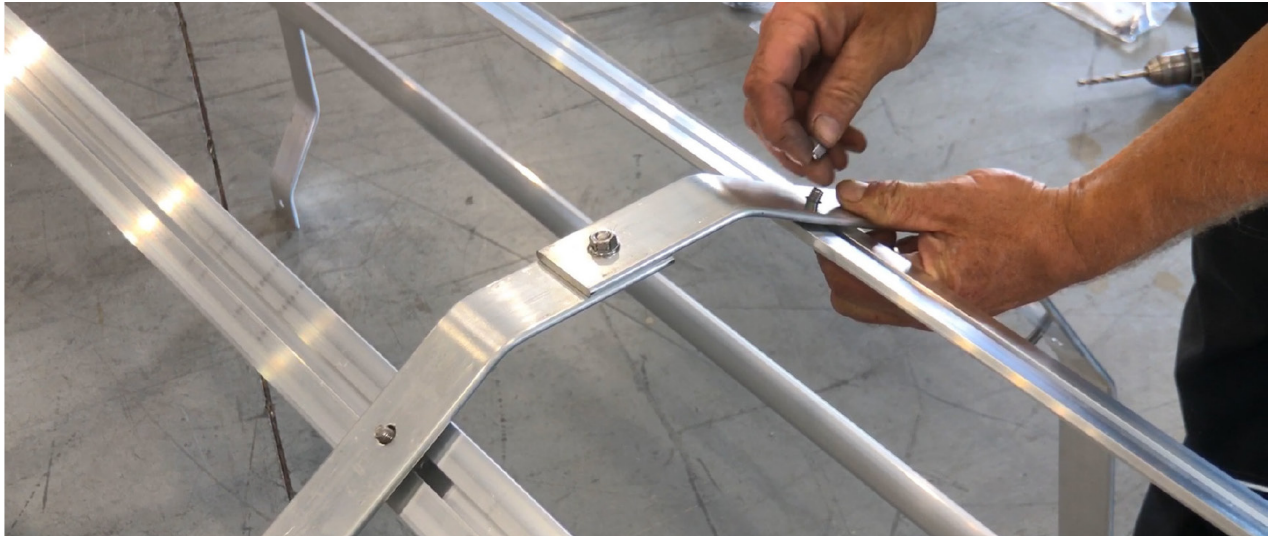
For the flared cage module, start with the flared hoop first and ensure the flared stringers are on the lower side.



- 3** Turn the cage on its side. Insert (2) 5/16in S/S bolts into the channel of each cage stringer. Slide (1) bolt on each stringer to the middle and leave the other on the top end.



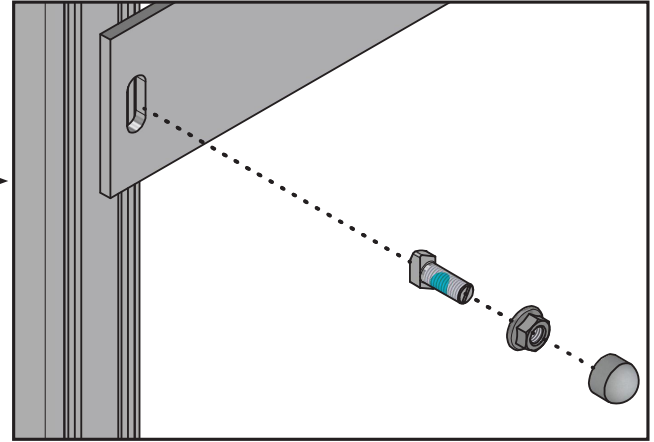
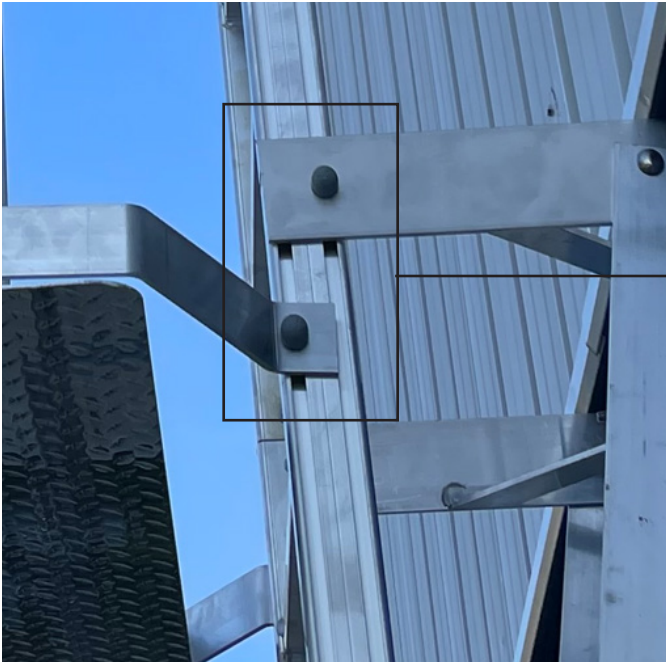
- 4** Place one hoop at the top end over the bolts. Fasten with nuts as previously shown.



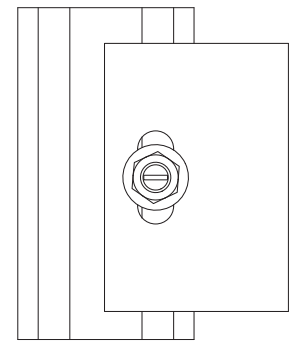
- 5** For cage modules longer than 4ft, the third hoop must be placed in the middle of the cage module. Ensure the bolts each are positioned correctly and then tighten the nuts as previously shown.



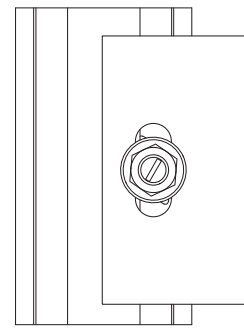
- 6** Once the cage modules are completed, set them over the ladder system. We recommend installing the cage on the ladder prior to lifting it into position. Install the cage module at the top first and ensure the top hoop is mounted to the inside of the ladder stiles. Ensure that the flared cage module is at the ladder base. Prior to drilling, ensure the cage length is correct. See the next step.



Graphic A



T-BOLT CORRECTLY FASTENED



INCORRECT

- 7 The remaining hoops will mount to the outside of the ladder stiles using the S/S T-bolt slots. See graphic (A) for proper T-bolt locking method.



IMPORTANT NOTE:

The bottom of the cage must be between 7ft and 8ft off the lower level/ground. Optimum is 7.5ft (90in). Cut the stringers on the top module to length if required. Typically the cage is supplied already cut to the recommended length for the project.



- 8** When there are multiple cage modules, we recommend connecting these together. This can be achieved using the **Cage Module Joiner Bar**. Assemble the cage per previous steps. Once you are ready to join the modules together, remove the nut from the center overlapped hoop and place the Joiner Bar over the bolt thread. Then thread the nut and tighten accordingly.

FINISHED CAGED LADDER



MAINTENANCE, CLEANING AND STORAGE

Maintenance with aluminum fixed ladder systems is relatively minimal. Any repairs to the ladder systems can only be performed by Kattsafe or an entity approved by Kattsafe. Contact Kattsafe, for all maintenance and repair needs at 888-637-7872.

Cleaning after use is important for maintaining the safety and longevity of the ladder systems. Remove all dirt, corrosives and contaminants from the ladder systems before and after each use. If the system cannot be cleaned with plain water, use mild soap and water and rinse and wipe dry.

There are no lifetime limitations for the ladder systems as long as they pass the pre-use and annual inspection requirements specified by these instructions.

If ladder system is being stored prior to installation, ensure it is stored in a dry environment where it will not be affected by excessive moisture, chemicals, excessive building vibration or other degrading elements.

INSPECTION

Refer to these instructions for proper inspection procedure.

Prior to each use, inspect the ladder systems for any deficiencies including, but not limited to deformation, pits, burring, corrosion, sharp edges, cracking, rust, loose screws, weld damage, rough surfaces, expansion of splice joints, excessive heating, alteration, damaged parts, instability, movement and missing or unreadable labels. IMMEDIATELY remove from service if defects or damage are identified. Any missing labels require the system to be removed from service.

Kattsafe requires the ladder systems to be checked at least every 12 months by a competent inspector in accordance with relevant OSHA regulations and manufacturers guidelines. If this inspection is not performed, the warranty is void and all/increased liability will be the responsibility of the customer/end user. Inspections must be recorded in this manual and initials input in the inspection grid below:

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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