KATTCLIMB®
Modular Aluminum Fixed Ladders

Product Focus & Technical Information
Maximum safety. Minimum fuss.

### KATTCLIMB® modular fixed ladders are an extremely versatile range of permanent access ladders.

<table>
<thead>
<tr>
<th>Modular system</th>
<th>KATTCLIMB® modular access components are fabricated in modular sections. This allows for construction of endless ladder and access configurations to suit specific site requirements. Components are robotically welded for a precision perfect finish.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum lead time</td>
<td>KATTCLIMB® modular components are kept in stock, ready to ship. The components for your specific ladder configuration are packaged together, and can typically be despatched within 24 hours or as required.</td>
</tr>
<tr>
<td>Easy delivery</td>
<td>The lightweight components are delivered as a flatpack kit, which ensures easier handling and significant savings on freight costs. The components can be simply man handled to the required location or crane lifted once at destination.</td>
</tr>
<tr>
<td>On site assembly</td>
<td>Each ladder is provided with all necessary hardware. Wall attachment hardware is also available on request. By cutting the ladder at the base, to the required length, the system can be built to suit exact site requirements.</td>
</tr>
<tr>
<td>Safe and easy to use</td>
<td>The wider ladder body and unique, profiled, non slip rung design ensures increased user confidence and safety.</td>
</tr>
<tr>
<td>OSHA complaint</td>
<td>KATTCLIMB® products and systems are designed and manufactured to meet and exceed OSHA and ANSI regulations as applicable.</td>
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</tbody>
</table>

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### KATT ladder series

- **RL20** Mini fixed ladders
- **RL30** Standard fixed ladders
- **RL40** Caged fixed ladders
- **RL50** Fall arrest fixed ladders

Toll free: 888 637 7872 Email: info@fixfastusa.com
The KATTCLIMB® principle

1. Ladder head module
   Easy and safe step through. Ladder head with 24" wide walkthrough available as required to meet ANSI regulations

2. Ladder attachment bracket
   Various sizes to suit different applications

3. Precision welded rung assembly
   High-strength, neat appearance

4. Splice join
   For easy joining of modules

5. Profiled rung
   Anti-slip, comfortable to climb

6. Ladder body module
   Add or cut to achieve required height

7. Ladder base support
   For roof/floor mounted ladder applications
   Non-penetrating options available

Top rung level with walking/working surface

Cut on site to achieve required height
### KATTCLIMB® Selector Chart

<table>
<thead>
<tr>
<th></th>
<th>1 = Grabrails</th>
<th>2 = Parapet platform</th>
<th>3 = Lead on walkway</th>
<th>4 = Retractable stiles</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RL20 Series</strong>&lt;br&gt;Mini</td>
<td><img src="image1.png" alt="RL21" /></td>
<td><img src="image2.png" alt="RL22" /></td>
<td><img src="image3.png" alt="RL23" /></td>
<td></td>
</tr>
<tr>
<td><strong>RL30 Series</strong>&lt;br&gt;Standard</td>
<td><img src="image4.png" alt="RL31" /></td>
<td><img src="image5.png" alt="RL32" /></td>
<td><img src="image6.png" alt="RL33" /></td>
<td><img src="image7.png" alt="RL34" /></td>
</tr>
<tr>
<td><strong>RL40 Series</strong>&lt;br&gt;Caged</td>
<td><img src="image8.png" alt="RL41" /></td>
<td><img src="image9.png" alt="RL42" /></td>
<td><img src="image10.png" alt="RL43" /></td>
<td><img src="image11.png" alt="RL44" /></td>
</tr>
<tr>
<td><strong>RL50 Series</strong>&lt;br&gt;Fall arrest</td>
<td><img src="image12.png" alt="RL52" /></td>
<td><img src="image13.png" alt="RL53" /></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### KATTCLIMB® ladder mounting options

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
<th>Option 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1LD419F</td>
<td>1LD440</td>
<td>1LD419S</td>
<td>1LD421280S</td>
</tr>
<tr>
<td>Non-penetrating aluminum base plate for built up and membrane roofs - 24&quot; x 12&quot;</td>
<td>Non-penetrating rubber support feet for built-up and membrane roofs</td>
<td>Floor mount bracket set</td>
<td>Large wall fixing bracket for off-floor mounted ladders</td>
</tr>
</tbody>
</table>

**Toll free:** 888 637 7872  
**Email:** info@fixfastusa.com
KATTCLIMB® Specification

SPECIFICATION SUMMARY
Supply and install the proprietary KATTCLIMB fixed ladder system as per manufacturer, FIXFAST USA, recommendations. (Refer to instruction manual).

TECHNICAL DATA
MATERIALS
All componentry and accessories manufactured from high grade structural aluminum with options for powder coating.

DIMENSIONS
Overall ladder width – 23-3/4" (605mm)
Distance between stiles – 20-5/8" (525mm)
Ladder stile - Aluminum extruded stile grade 6106-T6 - 2-1/4" x 1-1/2" x 1/8"
Rung diameter – 1-1/4" SQ. 6061-T6 Extruded Serrated Rung
Rung spacing – 12" (300mm)
Stile extension above landing surface – 42" (1070mm)
Minimum clearance behind ladder – 7" (200mm) (vertical position)
Maximum clearance behind ladder before platform required - 12" (305mm)
Maximum distance between rest platforms – 30’ (9.1m)

WEIGHT
Ladder body sections – 6.4lb/40" (excludes fixing brackets and fixings)
Cage sections – 18lb/40"

FIXINGS
Metal wall fixing - 3/8" bolt set minimum
Concrete/masonry wall fixing - 3/8" mechanical concrete anchor minimum
(for chemical fix, use HILTI HIT-HY-200, HIT-HY-70 or EPCON A7 and stainless hardware)
Metal purlin fixing - 3/8” toggle bolt (refer to instruction manual)

WORKING LOAD LIMIT
Recommended for single person use – 330lb rated.
Industrial rated, suited to high frequency usage.
Support structure integrity, suitability and fixing method to be assessed and determined by a engineer unless it is clear to a competent person prior to installation. Arresta Vertical Line Fall Arrest System must be only used with the approved fall arrest device and harness system incorporating front chest attachment and energy absorber as per OSHA & ANSI regulations.

COMPLIANCE
KATTCLIMB ladder systems are designed and manufactured to meet and exceed requirements of OSHA standard 1910.27 and ANSI A14.3 as applicable.

WARRANTY
10 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer’s specifications and recommendations.

IMPORTANT NOTE
Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.
Fixed Ladder Compliance Checklist

OSHA 1910.27 Compliance Checklist

Rung Diameter
All rungs shall have a minimum diameter of ¾ inch for metal ladders.

Gripping Surfaces Free of Sharp Edges
Side rails that might be used as climbing aids shall be of such cross sections as to afford adequate gripping surface without sharp edges, splinters, or burrs.

Distance Between Rungs
The distance between rungs, cleats, and steps shall not exceed 12 inches and shall be uniform throughout the length of the ladder.

Distance Between Ladder Rails
The minimum clear length of rungs or cleats shall be 16 inches.

Clear Width to the Vertical Center Line of the Fixed Ladder
A clear width of at least 15 inches shall be provided each way from the centerline of the ladder in the climbing space, except when cages or wells are necessary.

Cages For Fixed Ladders
Cages shall be provided on ladders of more than 20 feet to a maximum unbroken length of 30 feet. Ladder safety device may also be used in lieu of a cage.
What's a Fixed Ladder?
A fixed ladder is permanently attached to a structure, building, or equipment.

As expected, OSHA has extensive guidelines for all types of ladders, encompassing how they are built, positioned, and used. Below we focus on standards pertaining to fixed ladders — a very common form of permanent access for many types of buildings. KATTCLIMB ladders are designed and manufactured to meet and exceed OSHA standards.

Please contact FIXFAST USA for ANSI A14.3 standards and how they compare with OSHA 1910.27.
ANSI provides dimensions, ratings, terminology and symbols, test methods, and performance and safety requirements for personnel, products, systems and services in hundreds of industries, especially construction. Although it is not a government agency and doesn’t have any regulatory authority to address complaints about consumer products or services, it serves as a voluntary standardization system for construction products/procedures – and has for more than 90 years. These standards are typically developed by a committee of industry professionals experienced in the particular field that the standard relates too. OSHA typically accepts ANSI standards, however we would advise that you always research the OSHA website for clarification.

All KATTCLIMB fixed ladders can be supplied to be compliant with ANSI A14.3-2008 regulations. Please specify when ordering so the correct components can be selected to maintain compliance.

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**Ladder safety systems for ladders exceeding 50’**

Ladder safety systems shall be used when the length of climb of a ladder or multiple section ladders exceeds 50 feet.

**Fall protection for Fixed Ladders**

A cage, or ladder safety system shall be provided where the length of climb is less than 24 feet but the top of the ladder is at a distance greater than 24 feet above ground level, floor, or roof.
**Clearance on climbing side**
Ladders without cages or wells shall have a minimum perpendicular distance of 30 inches from the centerline of the steps and rungs to the nearest permanent object on the climbing side.

**Clearance Behind the Fixed Ladder**
The distance from the centerline of rungs, cleats, or steps to the nearest permanent object in back of the ladder shall be not less than 7 inches.

**Step-Across Distance**
The step-across distance from the centerline of the steps or rungs to the nearest edge of structure, building or equipment shall not be less than 7 inches or more than 12 inches. A landing platform shall be provided to reduce the distance between 7 and 12 inches.

**Side clearances**
A clear width of at least 15 inches shall be provided each way from the centerline of the ladder in the climbing space, except when cages or wells are necessary.

**Design loads**
The minimum design live load shall be two loads of 250 pounds each concentrated between any two consecutive attachments. Each step or rung shall be designed for a single concentrated live load of 250 pounds minimum.

**Top Rung of Ladder**
The top of a step or rung of a ladder shall be level with the top of the access/egress level or landing platform served by the ladder except where access is through a roof hatch.

**Ladder Extension Rails**
The side rails of the through ladder extensions shall extend 3.5 feet above the parapets and landings. For through ladder extensions, the steps or rungs shall be omitted and the side rails shall be flared to provide not less than 24", or more than 30" clearance.

**Preferred Pitch of Fixed Ladders**
The preferred pitch of fixed ladders shall be considered to come in the range of 75 and 90 degrees with the horizontal.
Please contact us on the toll free number below to discuss your KATTCLIMB® ladder requirements.

You can also visit our website to...
• view further information
• view and download brochures
• request a quote for the ladder you require

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or visit our website
www.fixfastusa.com