

# FOLD DOWN LADDERS

LD460



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The Kattsafe fold down ladder is designed for ultimate user safety with a pneumatic soft close design for access to ceiling spaces and areas requiring maintenance to plant and equipment.



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**Product brochure**  
Fold down ladder



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**Installation manual**  
Fold down ladder



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**Operation manual**  
Fold down ladder

Find all related products and resources on our website  
[kattsafe.com.au](https://kattsafe.com.au)

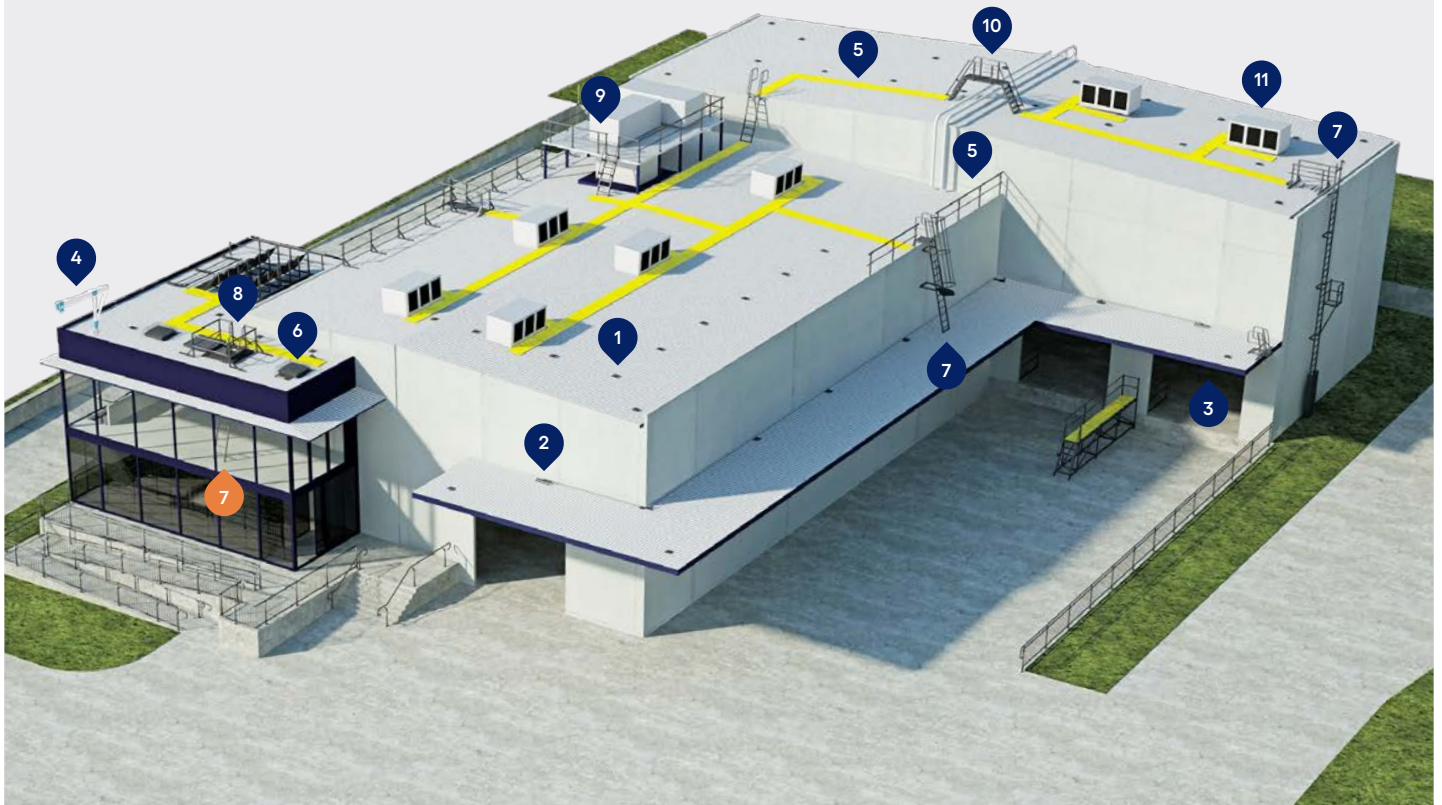
## Commercial building height access and fall protection requirements

Kattsafe leads the industry in the design, installation and management of access and fall protection safety systems.

The in-action model demonstrates access and fall protection requirements for a commercial building design. Kattsafe recommendations fulfill current workplace requirements for the safety of building maintenance subcontractors, employees and the general public.

For more information please contact Kattsafe.  
[kattsafe.com.au](http://kattsafe.com.au)

- 1 Anchor points
- 2 Static lines
- 3 Rigid rail
- 4 Davits and needles
- 5 Guardrail and walkway
- 6 Skylight protectors
- 7 Rung ladders
- 8 Access hatches
- 9 Platforms and stairs
- 10 Step ladders
- 11 HVAC platforms



# FOLD DOWN LADDERS

Easy access for maintenance personnel minimising risk of injury and encouraging quality preventative maintenance.



**Aluminium support frame**

Heavy duty pre-finished aluminum frame.



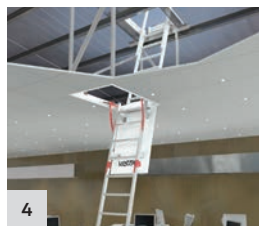
**Soft close door**

Soft close gas strut assisted mechanism.



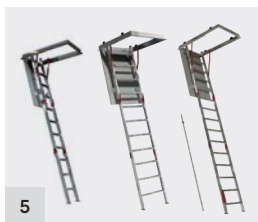
**Melamine laminate door**

Pre-finished white door with heavy duty hinges.



**Industrial rated**

150kg rated design with non-slip profiled rung for a high strength and sturdy access solution.



**Multiple sizes**

Supplied in either 3.2m or 4.3m heights to suit varying roof and ceiling spaces.



**Adjustable feet**

Adjustable feet inserts to suit final floor level.



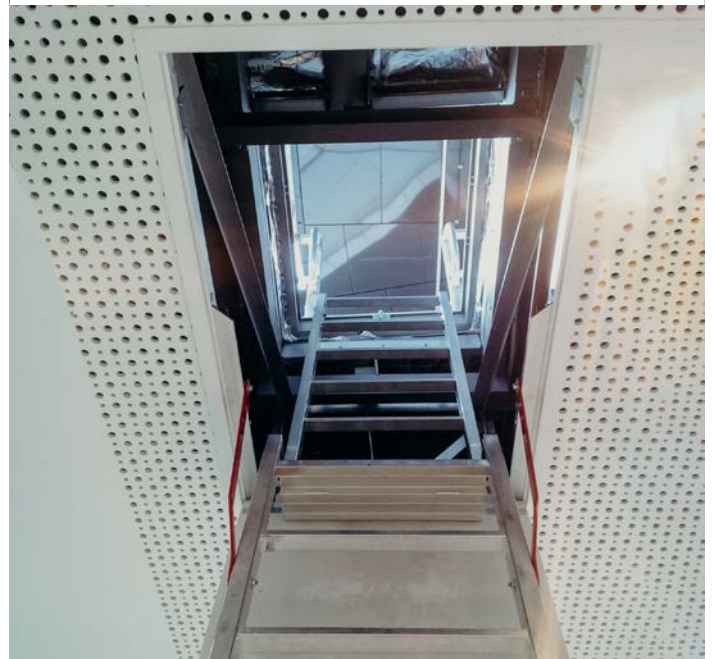


Multiple configurations to suit different ceiling heights and silent, easy to use operation for the ultimate user experience.

Subtle, silent and smart. Kattsafe fold down ladders are designed for easy internal access for personnel into roof structures.

Available in three configurations, the fold down ladder is built to suit any roof type, including standard, timber truss, and lightweight suspension ceilings with our additional suspension kit. Plus the adjustable feet and large height range ensures an easy fit every time.

The adjustable, easy to install fold down ladder suspension kit attaches to the roof support structure which provides structural and lateral stability to the ladder system. Support flanges around the ladder frame provide an easy and neat finish to suspended or solid ceiling systems.



# FOLD DOWN LADDER CONFIGURATIONS

## LD462 Compact fold down ladder

- Suitable for access of ceiling levels up to 3.2m
- 312mm rung width, 1230 x 570mm ceiling opening size



## LD461 Commercial fold down ladder - 3200mm

- Suitable for access of ceiling levels up to 3.2m
- 525mm rung width, 1230 x 785mm ceiling opening size



## LD463 Commercial fold down ladder - 4300mm

- Suitable for access of ceiling levels up to 4.3m
- 525mm rung width, 1630 x 785mm ceiling opening size

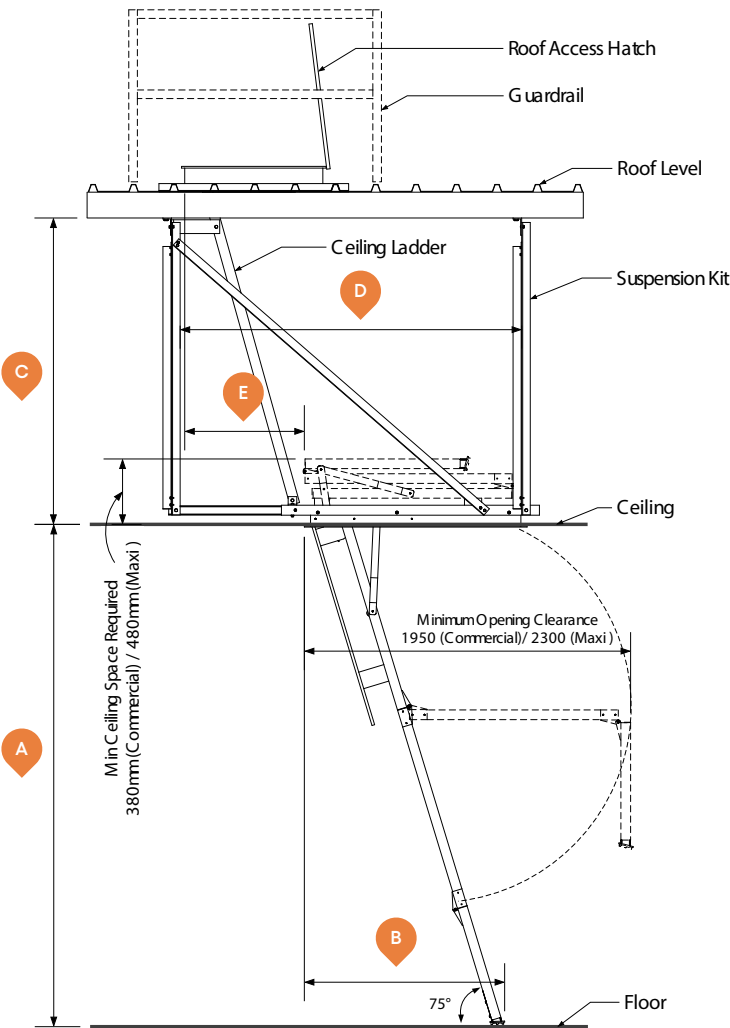


# DIMENSIONS & LAYOUT

### Key

- A: Ceiling height
- B: Distance from back of fold down ladder to front of ladder (folded out)
- C: Internal ceiling height
- D: Distance between purlin hangers
- E: Distance from purlin hanger to back of ladder frame

\* All measurements are in millimetres (mm) and approximate only.



### Note:

- On ceiling ladder, additional ladder cage recommended (in ceiling space) where total height of ladder system exceeds 3.5m.
- It is critical that the offset between the fold down ladder and roof hatch (see dimensions) is complied with to maintain continuous/correct ladder angle.
- Measurements C, D and E are not affected by A and B.

### LD461 & LD462

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
2400	900	400	1500	280
2500	930	800	1610	390
2600	960	1200	1720	500
2700	990	1600	1830	600
2800	1010	2000	1940	710
2900	1040	2400	2050	820
3000	1070	2800	2160	940
3100	1100	3000	2210	970
3200	1130			

### LD463

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
3300	1180	400	1500	280
3400	1210	800	1610	390
3500	1240	1200	1720	500
3600	1270	1600	1830	600
3700	1300	2000	1940	710
3800	1330	2400	2050	820
3900	1360	2800	2160	940
4000	1290	3000	2210	970
4100	1420			
4200	1450			
4300	1480			

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# TECHNICAL SPECIFICATION

## Fold down ladders

### LD460

Kattsafe fold down ladders with gas strut soft-close function, typically installed into suspended ceiling spaces designed for internal access for maintenance to plant and equipment. System design, supply, layout, installation and certification by a Kattsafe approved installer, as per the manufacturer's installation instructions and current standards.

### Materials

All components and accessories manufactured from high grade structural aluminium with options for powder coating.

### Dimensions

#### LD461

- Standard or suspended ceiling type
- Floor to ceiling height: 2200mm to 3200mm
- Ceiling opening required: 1230mm x 785mm
- Minimum ceiling space required: 380mm

#### LD462

- Timber truss with plaster ceilings
- Floor to ceiling height: 2200mm x 3200mm
- Ceiling opening required: 1230mm x 570mm
- Minimum ceiling space required: 380mm

#### LD463

- Standard or suspended ceiling type
- Floor to ceiling height: 2200mm to 4300mm
- Ceiling opening required: 1630mm x 785mm
- Minimum ceiling space required: 480mm

### Weight (excludes accessory items)

- LD461: 40kg
- LD462: 32kg
- LD463: 50kg

### Fixings (refer to installation manual)

- Metal fixing: M8 bolt set into support structure
- Concrete fixing: M10 mechanical concrete anchor
- Metal purlin fixing: M8 bolt

### Rating

- Recommended for single person use – 150kg 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.

### Compliance

- Kattsafe fold down ladders are designed to comply with requirements of Australian Standard AS1657:2018 and relevant statutory OHS Codes of Practice/Guidelines.
- Fold down ladders are not specifically detailed in the AS1657:2018 Standard.

### Testing

Testing and performance based on requirements for fixed rung ladders of Australian Standard AS1657:2018.

### Product warranty

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

### Inspection and maintenance

Inspection and certification required every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian Standards AS/ NZS 1891 and AS/NZS 5532. (Refer installation manual)

### 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



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# WARRANTY INFORMATION

Warranty period on this system:  
3 years from date of purchase

**Should you have a warranty claim as a result of a defect the following procedure must be followed:**

Identify the following information:

- The product/system name and code number.
- The date of purchase/installation.
- Installation company details.
- The installation identification number.
- The name of the company using this system.
- A description of the defect/warranty claim.
- The periodic system maintenance report.

Forward the above information to [sales@kattsafe.com.au](mailto:sales@kattsafe.com.au) or contact technical helpline, 1300 301 755.

## Terms and conditions

All warranty claims must be made in writing within 14 days of the appearance of the defect.

Incorrect installation or work done by a non accredited Kattsafe system installer will void all warranty rights.

Systems that have been installed using non proprietary equipment will void all warranties.

System roof/cladding and concrete penetration seals are not covered in this warranty.

Systems/components that have not been maintained in accordance with manufacturer's/legislative requirements will void warranty.

Systems used by incompetent persons or use with non compatible accessories ie. harness gear, lanyards, travellers, fall arrestors etc. will void warranty.

Systems/components used for purposes other than their intended use will void warranty.

General wear and tear is expected and will depend on the frequency of use and is not covered by warranty.



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**QMS Certification**  
ISO 9001:2015

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# Kattsafe

Height access  
and fall protection

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