Fibreglass Extension and Single Ladders

Our extension and single ladder ranges are designed for maximum safety when working at heights.

Fibreglass single and extension ladders are durable, repairable and use our strongbox construction technology, which provides dramatic rigidity and greatly reduces twist and sway.
In a range of sizes and with an array of accessories, they are extremely customisable.

Features

1. **Lightweight** and **effortless action** to deploy
2. Flat D rungs provide **safety** and **comfort** to the height worker
3. **Branach latch** or conventional latch available
4. Swivel foot **maximises grip on uneven ground**
5. Complies to AS/NZ 1892.3 1996 ANSI-ASC A 14.5-2007

Specifications

MFED

Fibreglass Extension

Model	⏬	⏫	⚠	kg
MFED 3.0	2.14 m	3.00 m	160 kg	15.5 kg
MFED 3.4	2.40 m	3.40 m	160 kg	18.5 kg
MFED 4.0	2.70 m	4.00 m	160 kg	15.5 kg
MFED 5.2	3.30 m	5.20 m	160 kg	18.5 kg
MFED 6.4	3.90 m	6.40 m	160 kg	21.6 kg
MFED 7.6	4.50 m	7.60 m	160 kg	27.1 kg
MFED 8.8	5.10 m	8.80 m	160 kg	31.5 kg
MFED 9.4	5.80 m	9.40 m	140 kg	35.5 kg
MFED 9.8	5.80 m	9.80 m	120 kg	35.5 kg

MFEF

Fibreglass Extension

Model	⏬	⏫	⚠	kg
MFEF 3.4	2.40 m	3.40 m	150 kg	13.0 kg
MFEF 4.0	2.70 m	4.00 m	150 kg	15.2 kg
MFEF 5.2	3.30 m	5.20 m	150 kg	18.3 kg
MFEF 6.4	4.00 m	6.40 m	150 kg	21.4 kg
MFEF 7.6	4.60 m	7.60 m	150 kg	27.7 kg
MFEF 8.8	5.20 m	8.80 m	150 kg	31.2 kg
MFEF 9.4	5.80 m	9.40 m	150 kg	32.9 kg
MFEF 9.8	5.80 m	9.80 m	120 kg	32.9 kg

MFND

Fibreglass Single

Available in two widths: Fly 365mm or Base 450mm

Model	↕	⚠	Fly / Base	kg
MFND 2.4	2.40 m	160 kg	5.6 kg	/ 5.7 kg
MFND 3.0	3.00 m	160 kg	7.1 kg	/ 7.2 kg
MFND 3.6	3.60 m	160 kg	8.6 kg	/ 8.7 kg
MFND 4.2	4.20 m	160 kg	11.5 kg	/ 12.1 kg
MFND 4.8	4.80 m	160 kg	13.5 kg	/ 13.8 kg
MFND 5.4	5.40 m	160 kg	14.9 kg	/ 15.2 kg
MFND 6.0	6.00 m	160 kg	15.8 kg	/ 16.3 kg

MFNF

Fibreglass Single

Available in two widths: Fly 365mm or Base 450mm

Model	↕	⚠	Fly / Base	kg
MFNF 2.4	2.40 m	160 kg	6.2 kg	/ 6.6 kg
MFNF 3.0	3.00 m	160 kg	7.9 kg	/ 8.3 kg
MFNF 3.6	3.60 m	160 kg	9.6 kg	/ 9.9 kg
MFNF 4.2	4.20 m	160 kg	12.8 kg	/ 13.3 kg
MFNF 4.8	4.80 m	160 kg	14.6 kg	/ 15.0 kg
MFNF 5.4	5.40 m	160 kg	16.0 kg	/ 16.5 kg

⏬ Closed height
⏫ Extended height
↕ Height
⚠ Maximum load rating
kg Weight

Fall Control System

Extension Ladder with Fall Control

Guiding Principles of the Branach Fall Control System

- The worker is **safe** from the moment they leave the ground.
- The stability system works from the **ground** up.
- Fall control system stems from the **increased base** of support.
- The ladder is **secured** with an integrated tether system.
- Integrated **rescue** by second user from the ground.
- Allows workers to work from the ladder with **both hands** comfortably and safely.
- To meet and exceed compliance and international **standards**.
- Design fit for purpose, **critical** piece of climbing equipment.
- Periodic **inspection** schedule recommended.

Features

1. Cross Bar and Upper Pulley
2. Rung Work Position Hook
3. Non-slip Rungs
4. Tether Tensioner
5. Box Rail Rung Joining System
6. Tether Rope
7. Rope Bag
8. Vertical Lifeline (configured for rescue)
9. Lower Tether Hooks
10. Level Bubble
11. Descender
12. Extra Wide TerrainMaster

Specifications

AS/NZS 1892.3:1996

FED-FC

Extension Ladder with Fall Control FED-FC

Features flat D rungs for greater foot stability, Extra Wide TerrainMaster, Branach Latch, Arapoline Rope, Tethers, Rope Bag, Rope Grab, Rung Work Position Hook, Descender/Rescue, Life Line and Level Bubble.

MODEL	⏬	⏫	⚠	kg
FED 4.0 FC	2.90 m	4.00 m	160 kg / 120 kg	20.5 kg / 23.0 kg
FED 5.2 FC	3.50 m	5.20 m	160 kg / 120 kg	23.5 kg / 26.0 kg
FED 6.4 FC	4.33 m	6.42 m	160 kg / 120 kg	26.6 kg / 29.0 kg
FED 7.6 FC	4.92 m	7.64 m	160 kg / 120 kg	33.0 kg / 35.7 kg
FED 8.8 FC	5.20 m	8.80 m	150 kg / 120 kg	36.0 kg / 39.0 kg

⏬ Closed height

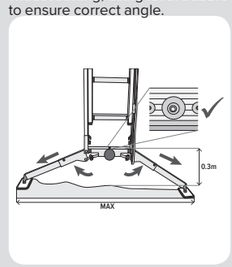
⏫ Extended height

⚠ Maximum load rating (Ladder / Fall Control)

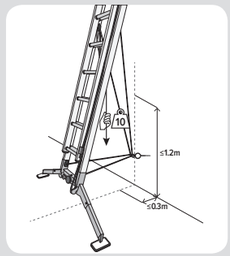
kg Weight (Without Bag / With Bag)

How does it work?

Step 1
Deploy the Terrain Master to its widest setting, using level bubble to ensure correct angle.



Step 2
Attach rope tethers around pole or to structure. Apply tension..



Step 3
Attach harness to the fall arrest device.

Step 4
Test weight on system.

Step 5
Ascend ladder to desired position. Use work positioning hook to attach to rung hook.

Rescue
Rescue is simple and easy to perform without putting a second user at risk.

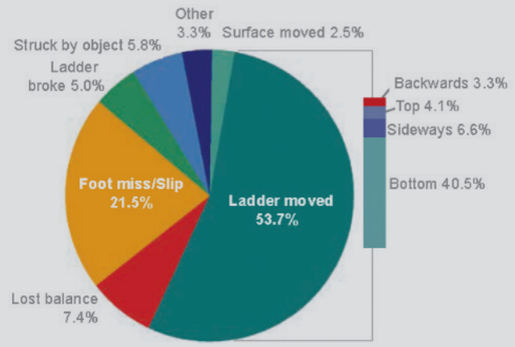
Why Fall Control?

After years in the field with customers and safety experts, we knew what had to happen.

Simple

A system to ensure the height worker is safe while ascending, descending or accidental fall, slip or medical issue.

Why people fall off ladders†



The elements of the Branach Fall Control address:

STRENGTH required to arrest the user.

STABILITY required to remain upright during a fall event.

ANCHORING mechanism to ensure the user does not separate from the ladder structure.

RESCUE so the height worker can be safely lowered down by someone on the ground.

†Source
Liberty Mutual Research Institute for Safety – Center for Injury Epidemiology (CIE)
From Research to Reality - Volume 15 | Number 3 | Winter 2012

The design and unique construction of our award winning system addresses the two most common ladder failure modes.

Failure Mode 1

STABILITY FAILURE – Movement of the ladder.

Base slip, movement of the top of the ladder and sideways tipping.

BOX RAIL rung joining system provides unparalleled performance in strength and stability, dramatically reduces twist and sway by up to 40%.

TERRAINMASTER™ ensures a stable footing and eliminates sideways movement.

TETHERS that can be bolted into the ground or structure. This ensures the ladder is securely fixed.

Failure Mode 2

USER ERROR – Incorrect use of the Ladder.

Foot missed/slipped, user lost balance and overreaching.

WORK POSITIONING HOOK, RUNG EYELETS and **HARNESS** ensure adequate anchoring to the ladder structure.

The **INNOVATIVE DESCENDER** allows the user to replace themselves back on the ladder. **GROUND BASED RESCUE** system allows a passerby to rescue the height technician in an emergency.

In addition, our **NON-SLIP RUNGS** help reduce foot slips.

Ladder Usage Work Risk Matrix

Stage	Risks	Failure Mode	Controls: Level 1 — Conventional Ladder	Level 2 — Ladder with Terrain Master	Level 3 — Ladder System: Attached at rung + wall tie	Level 3 — Ladder System: With life line + wall tie
Access/Egress	Uneven ground	Side tip	✕ ▲	●	●	●
	Soft ground	Side tip	✕	●	●	●
	Wrong setup incline	Slip back	✕ ▲	●	●	●
	Slippery surface	Slip back	✕ ▲	▲	●	●
	Carrying tools up ladder	Slip off	✕	✕	✕	●
	Fall during climb	Slip off	✕	✕	✕	●
Work from ladder	Apply force to structure	Slip back	✕ ▲	●	●	●
	Two hand operation	Fall off	✕ ▲	▲	●	●
	Over reaching	Side fall	✕	✕	●	●
	Over reaching	Ladder tips	✕	●	●	●
	Slip	Fall off	✕	✕	✕	●
	Dropping Tools		●	●	●	●
Rescue/Fall Event	Legs get tangled in fall	Side tip	✕	✕	▲ 1	▲ 1
	Head injury from slip	Fall off	✕	● 2	● 2	● 2
	Bite/Sting/Accident	Fall off	✕	✕	●	●
	No rescue equipment	Suspension trauma	✕	✕	● 3	●
	Wait to be rescued	Suspension trauma	✕	✕	▲ 4	▲ 4
	Rescue accident on ladder	Ladder fails	✕	✕	▲	●
	Ladder system damaged	Fails Insepction	✕	✕	✕	✕
	Injured from fall	Unconscious	✕	✕	✕	✕
Compliance/ Environment	AS NZS 1892		●	●	●	●
	AS NZS 1892 Higher Stability		✕	●	●	●
	Training		●	●	●	●
	Periodic Inspection Program		▲ 5	▲ 5	▲ 5	▲ 5
	Misuse / Incorrect Operation		▲ 6	▲ 6	▲ 6	▲ 6
	Electrically Compliant		●	●	●	●

Key

- ● Risk addressed
- ✕ No control
- ▲ Admin control needed
- 1 2nd Ladder tie off
- ● Optional Equipment
- 2 Climbing Helmet
- 3 Pole/ladder top rescue kit
- 4 Lone worker man down system
- 5 Periodic Inspection
- 6 Training