



Instruction Manual – Quick Step Knee Ascender

Manufacturer: Tightline Arb

1. Product Identification

- Product name: Quick Step Knee Ascender
- Manufacturer: Tightline Arb -
- Model / Reference: Quick Step Knee Ascender
- Intended use: Rope climbing aid for arboricultural rope-access systems.

■ ■ This product is NOT PPE. It is NOT designed, tested, or certified for use as life support equipment.

2. Description

The Quick Step Knee Ascender consists of:

- A cam-operated rope grab with safety catch
- A tether connection point for elastic cord or bungee
- An adjustable knee strap with buckle

3. Intended Use

- To assist arborists with efficient rope ascent.
- Works as part of a rope-access system when combined with a foot ascender and other climbing components.
- Compatible with semi-sextile / static ropes within [8-13 mm] diameter.

Not for PPE use. Not for life support, fall arrest, or work positioning.

4. Limitations of Use

- NOT FOR PPE USE OR LIFE SUPPORT
- Must not be used as an anchor, connector, fall-arrest system, or any load-bearing PPE component.
- One-person use only.
- Rope must meet relevant EN Standards and Hold Current CE Certification

5. Warnings & Safety Information

Tree climbing and rope access are inherently dangerous. Misuse of this product may result in serious injury or death.

- Always use this device with certified PPE (harness, helmet, ropes, connectors).
- Use only as a rope-access aid Never as Main Connection
- Inspect before each use (cam, strap, stitching, buckle).
- Do not modify.
- Retire if damaged, deformed, heavily worn, or exposed to corrosive chemicals or heat.

6. Instructions for Use

1. Preparation

- Confirm rope compatibility.
- Check the device for wear or damage.
- Fit the knee strap snugly above the knee.

2. Attaching to Rope

- Open cam, insert rope, confirm cam grips properly.

3. Integrating into System

- Connect elastic tether from knee ascender to harness/shoulder.
- Use in combination with a certified foot ascender.

4. Ascending

- Step in foot ascender.
- Raise knee to slide Quick Step ascender upward.
- Step down to lock cam in place.
- Repeat rhythmically for efficient climbing.

This product assists climbing but provides no life-support function.

7. Maintenance & Inspection

- Before each use: check cam action, webbing, buckles.
- Cleaning: lukewarm water, mild soap, natural drying.
- Lubrication: dry lubricant on cam pivot if necessary.
- Storage: cool, dry, dark place, away from chemicals and UV.
- Service life: dependent on use and condition; retire when worn or doubtful.

8. Markings

The Quick Step Knee Ascender is marked with:

- Name: Quick Step Knee Ascender
- NOT FOR PPE USE OR LIFE SUPPORT
- Rope Diameter: 8-13mm
- Serial Number: 09250001 (Read: 09 Month 25 Year 0001 Individual Number)
- Instruction Manual Destination: Tightlinearb.co.uk

9. Retirement Criteria

Retire immediately if:

- Device has been shock-loaded
- Cam or strap is cracked, bent, or worn
- Stitching is cut, frayed, or UV damaged
- Markings are illegible
- Service life exceeded or condition doubtful

10. Guarantee & Liability

- 5 Year working life from date of Purchase 7 Years from date of Manufacturing].
- Tightline Arb accepts no liability for misuse, modification, or use as PPE/life support.

Inspection Log (Optional)

[illegible]