

20 m Robinia Zipline

Timber cableway with single-seat trolley



Functions

- Gliding ride
- Grip & upper-body strength
- Balance & core control
- Confidence & managed risk
- Coordination
- Turn-taking

Technical Data



CABLE SPAN

20 m



FRAME WIDTH

3.6 m



SAFETY ZONE

74 m²

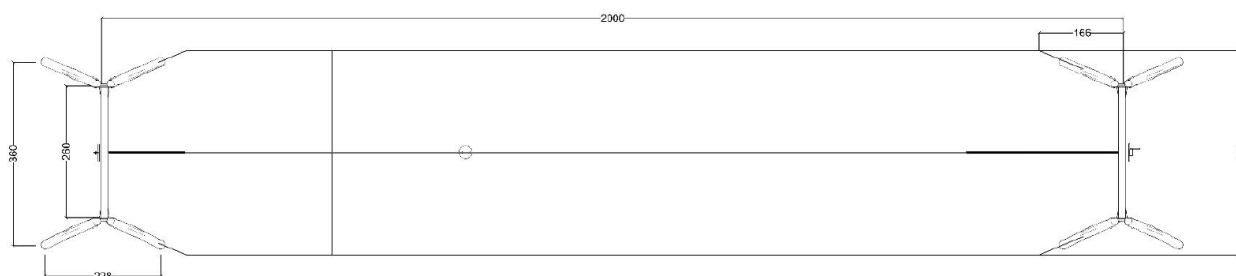


FREE-FALL HEIGHT

0.75 m

Capacity: 1 user (single trolley seat) Recommended age: 3+ years

Safety Zone Plan



Plan view showing the safety zone outline; dimensions in cm, not to scale.

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Materials & Construction

Posts: Robinia hardwood, Ø16–18 cm; eight posts forming two A-frames

Cross beams: Steel beam across the top of each A-frame

Cableway: Steel wire rope with end fittings, and a running trolley with a chain-hung seat

Fixings: M16 threaded rods with dome nuts and washers, 12 × 90 mm coach screws, plastic cover caps

Foundations: Each post set 1.0 m into the ground, the lower 0.5 m in concrete (about 25 kg per hole)

Impact-absorbing surfacing to EN 1177 is required beneath the run. Free-fall height is 0.75 m; we'll recommend the right finish for your site.

Images are computer visualisations; the installed product will look similar. Colours may vary from those shown.

How to Use

Zipline

The rider sits on the seat at the start frame, holds the chain with both hands, lifts their feet and rides the trolley along the cable to the far frame. The seat is then walked back to the start for the next rider.

Benefits:

Builds grip and upper-body strength, balance and confidence, and teaches children to take turns.

Inspection & Maintenance

Routine visual check weekly (daily on busy or vandal-prone sites), an operational check every 1–3 months and a main inspection once a year. On a cableway, check the cable tension, the trolley, the seat and chain for wear, and the end fittings. Replace worn or damaged parts promptly with genuine spares. Mortis Sport & Play offers annual inspection and maintenance for school and public sites.

Why Choose This Product

A 20 m zipline between two Robinia A-frames that brings a real sense of speed and adventure to school grounds, parks and natural play areas. One child rides at a time on a single-seat trolley, so it suits supervised turn-taking from age 3.

- 20 m cable span between two Robinia timber A-frames with steel cross beams
- Robinia hardwood: naturally durable, no preservatives needed
- Free-fall height of just 0.75 m; recommended from age 3
- Designed, supplied and installed by Mortis Sport & Play's own teams