Robinia Zipline with Steel Launch Platform

Single-rider cableway on Robinia A-frames



Functions

- Cable ride
- Grip strength
- Balance
- Climbing (launch ladder)
- Coordination
- Confidence and managed risk

Technical Data

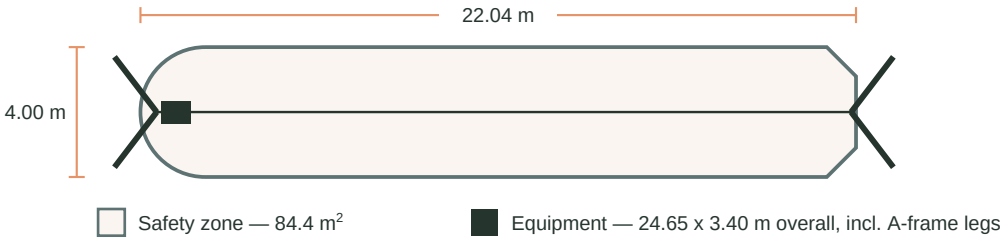
DIMENSIONS (L x W)	HEIGHT
24.65 x 3.40 m	**4.00 m**

SAFETY ZONE	FREE-FALL HEIGHT
22.04 x 4.00 m	**1.75 m**

Capacity: 1 user Recommended age: 5+ years Launch platform height: 0.98 m

Conforms to: BS EN 1176-1:2017+A1:2023

Safety Zone Plan



Plan view, not to scale. Launch platform at the left-hand end.

Morti Sport & Play reserves the right to make changes to its products without notice.

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Materials & Construction

Posts: Robinia (acacia) logs, approx. Ø18 cm, with no sharp edges; naturally durable and weather-resistant
Steelwork: Hot-dip galvanised steel launch post and connectors
Launch platform: Anti-slip, waterproof HPL deck, 0.98 m above ground
Ladder & handrails: Stainless steel
Cable: Galvanised steel rope and tensioning elements
Seat: Certified disc seat on the trolley hanger
Fixings: Stainless steel screws, or screws with plastic caps
Foundations: Anchored 80 cm deep on a level site

Free-fall height is 1.75 m, so the whole 84.4 m^2 safety zone needs impact-absorbing surfacing: EN 1177 synthetic surfacing tested to 1.75 m, or 300 mm of bark, woodchip, sand or gravel. Grass is not suitable. 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

Launch

Climb the stainless steel ladder to the platform using the handrails, sit on the disc seat with a leg either side of the hanger and hold on with both hands.

Benefits:

Builds climbing confidence and teaches safe mounting.

Ride

Push off from the platform and ride along the cable, holding on until the seat comes to rest. Step off and walk the seat back to the platform for the next rider. One rider at a time.

Benefits:

Develops grip and core strength, balance and coordination, with real but managed risk.

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 zipline, check the cable and its tensioning, the trolley, the seat and hanger, and the launch platform at every inspection. Replace worn or damaged parts promptly with genuine spares. Morti Sport & Play offers annual inspection and maintenance for school and public sites.

Why Choose This Product

A full-length cableway that gives older children the thrill of a real ride. The raised launch platform makes mounting easy and controlled, and the Robinia A-frames suit natural play areas, school grounds and parks.

- Single-rider cableway, 24.65 m long overall, with a 0.98 m launch platform
- Robinia posts with hot-dip galvanised steelwork and stainless steel ladder and handrails
- Conforms to BS EN 1176-1:2017+A1:2023
- Designed, supplied and installed by Morti Sport & Play's own teams

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