Suspended Rope Ladder Bridge

Trim trail element on angled steel posts



Functions

- Balance
- Walking across
- Core strength
- Climbing
- Grip strength
- Coordination

Technical Data

DIMENSIONS (L x W)
3.36 x 0.43 m

HEIGHT
2.23 m

SAFETY ZONE
6.36 x 3.43 m

FREE-FALL HEIGHT
1.20 m

Capacity: 4 users Recommended age: 4–14 years

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

Safety Zone Plan



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

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Materials & Construction

Frame: 100 × 100 mm steel posts, hot-dip galvanised and powder-coated (or powder-galvanised and powder-coated)
Bridge: Steel-core rope ladder in polypropylene braid with synthetic rungs
Ropes: Steel-core ropes in polypropylene braid with plastic, stainless steel or aluminium connectors
Bars & chains: Stainless steel bars; calibrated stainless steel chains to prevent finger entrapment
Fixings: Stainless steel screws or screws under plastic caps; polypropylene end caps

Free-fall height is 1.20 m, so impact-absorbing surfacing is required across the impact area: EN 1177-tested synthetic surfacing rated to at least 1.20 m, or loose-fill bark, woodchip or sand at 300 mm depth. 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

Crossing the bridge

Children step from rung to rung along the suspended rope ladder, holding the upper ropes for support.

Benefits:

Builds balance, core strength and foot placement.

In a trim trail

Set between other rope or timber elements, the bridge links one challenge to the next.

Benefits:

Keeps a circuit flowing and children moving.

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. Check rope tension, connectors and fixings, and keep loose-fill surfacing topped up. 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 suspended rope ladder bridge strung between angled steel posts. Children walk the swaying rungs while gripping the upper ropes, a simple challenge that works hard on balance and core strength.

- Compact 3.36 m span that slots into any trim trail layout
- Galvanised, powder-coated steel posts and steel-core rope for high-footfall sites
- Certified to BS EN 1176-1; ages 4–14, up to 4 users
- Designed, supplied and installed by Morti Sport & Play's own teams

+44 (0)1278 741 110
info@mortisportandplay.co.uk
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