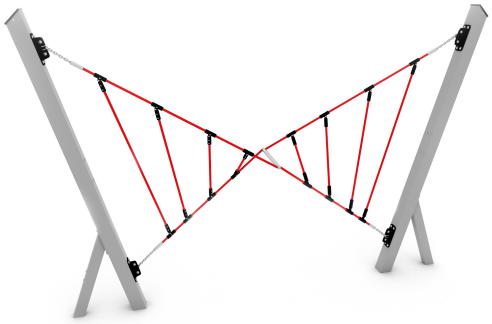
V-Bridge Rope Challenge

Crossed rope bridge trim trail element on angled steel posts



Functions

- Balance
- Climbing
- Pull-up and grip
- Foot placement
- Core strength
- Coordination

Technical Data

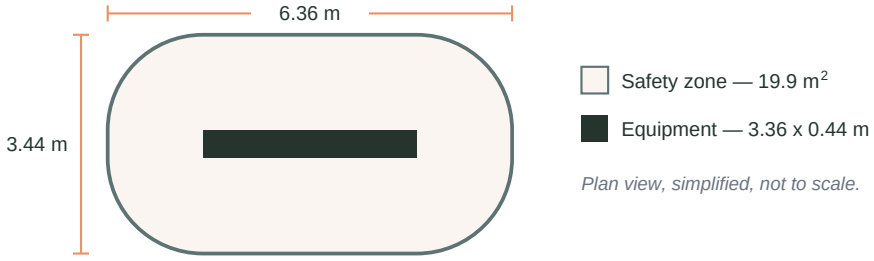
DIMENSIONS (L x W)	HEIGHT
3.36 x 0.44 m	**2.23 m**

SAFETY ZONE	FREE-FALL HEIGHT
6.36 x 3.44 m	**1.20 m**

Capacity: 10 users Recommended age: 4–14 years

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

Safety Zone Plan



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V-Bridge Rope Challenge
Materials & Construction

Frame: 100 × 100 mm steel posts, hot-dip galvanised and powder-coated (or powder-galvanised and powder-coated)
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 V

Children step down one rope ladder into the V, then climb back up the other side.

Benefits:

Builds balance, foot placement and grip.

In a trim trail

Use it to link other elements in a rope or timber trail.

Benefits:

Keeps a circuit flowing.

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

Two rope ladders crossing in a V between angled steel posts. Children work down into the dip and climb out the other side, a balance and climbing challenge for up to 10 users.

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

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