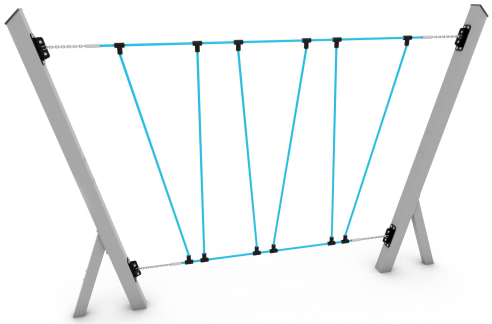
Tightrope Traverse with Hand Ropes

Trim trail balance element on angled steel posts



Functions

- Balance
- Traversing
- Core strength
- Pull-up and grip
- Group play
- Coordination

Technical Data

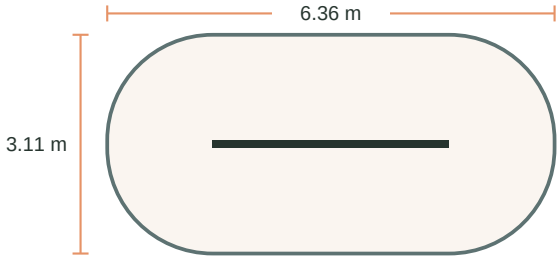
DIMENSIONS (L x W)	HEIGHT
3.36 x 0.11 m	**2.23 m**

SAFETY ZONE	FREE-FALL HEIGHT
6.36 x 3.11 m	**1.00 m**

Capacity: 5 users Recommended age: 4–14 years

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

Safety Zone Plan



Safety zone — 17.8 m²

Equipment — 3.36 x 0.11 m

Plan view, simplified, not to scale.

Morti Sport & Play
+44 (0)1278 741 110
info@mortisportandplay.co.uk
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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
Chains: Calibrated stainless steel chains to prevent finger entrapment
Fixings: Stainless steel screws or screws under plastic caps; polypropylene end caps

Free-fall height is 1.00 m, so BS EN 1176-1 allows grass or turf as well as EN 1177 impact-absorbing surfacing. 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 tightrope

Children walk the low rope, holding the angled hand ropes to keep their balance.

Benefits:

Builds balance, grip and core strength.

In a trim trail

Pair it with bridges, nets or balance beams to build a longer circuit.

Benefits:

Adds variety and keeps groups 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 low tightrope with a row of angled hand ropes above it. Children balance along the rope, reaching from one hand rope to the next, with a free-fall height of just 1.0 m.

- Free-fall height of 1.0 m — grass or turf allowed under BS EN 1176-1
- Compact 3.36 m span that slots into any trim trail layout
- Certified to BS EN 1176-1; ages 4–14, up to 5 users
- Designed, supplied and installed by Morti Sport & Play's own teams

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