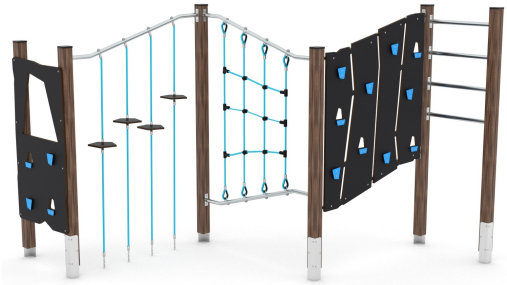
Timber Climbing Wall & Rope Traverse Unit

Trim-trail climbing unit · 5 activity elements



Functions

- Climbing
- Pull-up and hanging
- Traversing
- Balance
- Grip strength
- Coordination

Technical Data

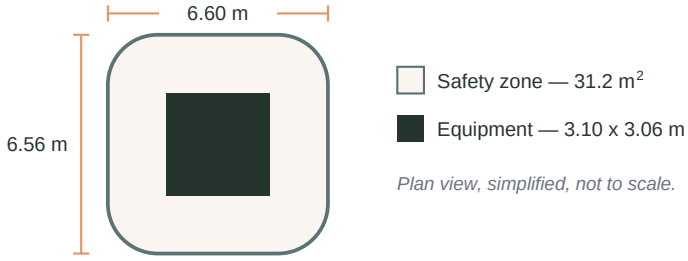
DIMENSIONS (L x W)	HEIGHT
3.10 x 3.06 m	**2.30 m**

SAFETY ZONE	FREE-FALL HEIGHT
6.60 x 6.56 m	**2.20 m**

Capacity: 11 users Recommended age: 3–14 years

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

Safety Zone Plan



Plan view, simplified, not to scale.

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Timber Climbing Wall & Rope Traverse Unit

Materials & Construction

Posts: Laminated, impregnated and double-coated knot-free pine, 90 × 90 mm, capped with polypropylene plugs
Anchors: Hot-dip galvanised steel post anchors keep the timber clear of the ground to prevent rot
Climbing walls: Anti-slip, waterproof plywood or HPL panels with weather-resistant HDPE climbing holds
Ropes: Steel-core ropes in polypropylene braid with plastic, stainless steel or aluminium connectors
Ladders & bars: Stainless steel ladders and bars
Fixings: Stainless steel screws or screws under plastic caps; polypropylene end caps

Free-fall height is 2.20 m, so impact-absorbing surfacing is required across the impact area: EN 1177-tested synthetic surfacing rated to at least 2.20 m, or loose-fill bark, woodchip or sand at 400 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

Climbing walls

Children climb the two panel walls using the shaped hand- and footholds.

Benefits:

Builds grip, leg strength and route planning.

Rope traverse & net

Children step across the hanging rope pods and climb the vertical rope net.

Benefits:

Develops balance, coordination and core control.

Stainless ladder

Children climb and hang from the stainless steel ladder at the end of the unit.

Benefits:

Builds upper-body and pull-up strength.

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 compact climbing unit that links five challenges in a zig-zag run: two climbing walls, a hanging rope-step traverse, a rope net and a stainless steel ladder. It works on its own or as one section of a wider trim trail.

- Five activities in a 3.10 x 3.06 m footprint, with room for 11 users
- Laminated pine posts on galvanised steel anchors, clear of ground contact
- Certified to BS EN 1176-1 for public playgrounds; ages 3–14
- Designed, supplied and installed by Morti Sport & Play's own teams

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