Robinia Square Climbing Tower

Climbing wall, rope nets and twin slide bars



Functions

- Climbing
- Net crossing
- Sliding
- Upper-body strength
- Coordination
- Route finding

Technical Data

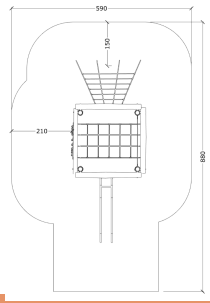
FRAME (L x W)	HEIGHT
1.82 x 1.82 m	**3.2 m**

SAFETY ZONE	FREE-FALL HEIGHT
5.90 x 8.80 m	**2.4 m**

Recommended age: 3+ Slide bar height: 1.8 m

Conforms to: BS EN 1176-1

Safety Zone Plan



Safety area — 47 m^2

Overall zone — 5.90 x 8.80 m

Frame — 1.82 x 1.82 m

Plan view, dimensions in cm, not to scale.

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Materials & Construction

Frame: Robinia posts and beams, Ø14–16 cm; one 4.0 m and three 3.6 m posts

Nets: Horizontal net, sloping climbing net and top rope traverse, all fixed with chain; rope ladder with timber rungs anchored to the ground

Climbing wall: Climbing plate with porthole and holds

Slide bars: Twin curved slide bars, 1.8 m high

Foundations: Four posts on concrete foundations, nets anchored into the ground; total weight 250 kg, heaviest part 35 kg

Free-fall height is 2.4 m, so EN 1177 impact-absorbing surfacing is needed across the 47 square-metre safety area: wetpour or bonded rubber mulch tested to 2.4 m, or loose-fill 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 wall

Climb the holds on the climbing plate and pass through the porthole into the frame.

Benefits:

Builds finger and leg strength and route planning.

Horizontal net

Cross the horizontal rope net inside the frame, using the beams and the top rope for support.

Benefits:

Challenges balance on a moving surface.

Rope ladder & sloping net

Climb the rope ladder with timber rungs or the sloping net from the ground up to the top rails.

Benefits:

Develops grip, coordination and confidence at height.

Slide bars

Come down from the frame on the twin curved slide bars, holding on with hands and legs.

Benefits:

Builds grip, body control and controlled descent.

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 the nets, chains and their connectors for wear at every operational check, and 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 Robinia climbing tower on a 1.82 m square frame, with three ways to climb up and twin slide bars to come down. Suitable from age 3.

- Climbing wall, two rope climbs, a horizontal net and slide bars on a small footprint
- Robinia posts and beams on concrete foundations
- Designed to BS EN 1176-1, with a 47 square-metre safety area
- Designed, supplied and installed by Morti Sport & Play's own teams

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