

Equipment Installation

Our outdoor fitness equipment is designed to be installed on solid foundations to ensure maximum stability and safety. Below are three different installation methods that provide reliable mounting and safe use of the equipment.

Installation Method 1: Portable Mounting Base

The portable mounting base system is designed for locations where ground excavation is not possible or where the equipment is intended for seasonal outdoor use. This solution allows the equipment to be easily relocated or stored when necessary, while maintaining high stability and durability.



Description of the Base:

The base consists of heavy-duty, moisture-resistant plywood panels coated with a durable Line-X structural protective layer. This coating provides excellent resistance to weather conditions, moisture, and mechanical wear. The panel edges are beveled at a 40° angle, and lifting loops are integrated into the corners to allow easy transportation and repositioning.

Installation Method 2: Concrete Base Slabs

Using concrete base slabs is the most common installation method, ensuring strong and stable anchoring of the equipment to the ground.

In this method, the top surface of the concrete slab usually remains visible and unfinished, level with the surrounding ground. If desired, it can be covered with a safety surface such as EPDM rubber flooring.



Base Slab Dimensions:

Length:

2500-3000mm

Width:

1000-1200mm

Thickness:

120-150mm

Installation Process:

1. Excavate a pit at least 40 cm deep and at least 20 cm wider than the concrete slab on all sides.
2. Fill the bottom with a 20–25 cm layer of crushed stone (fraction 16–32 mm).
3. Add a 3–5 cm layer of fine gravel or sand (fraction 0–5 mm) on top for leveling.
4. Place the concrete slab into position and ensure it is perfectly level.
5. If desired, cover the top surface with a 10 mm EPDM safety layer, or leave it uncovered.
6. Secure the fitness equipment to the concrete slab using M12 × 90 mm wedge anchors.

Installation Method 3: Concrete Cube Footings

Using concrete cube footings makes it possible to conceal both the cubes and their mounting elements beneath the surface layer, creating a neat and visually appealing installation.

For example, the entire area can be covered with bark mulch or a similar ground material so that all cubes and fixings remain completely hidden, ensuring a natural appearance that blends seamlessly with the surrounding landscape.



Cube Dimensions:

Length:

600mm

Width:

600mm

Height:

800mm

Installation Process:

1. Remove the top layer of soil from the installation area to a depth of 10 cm.
2. Excavate holes for the concrete cubes to a depth of 100–110 cm.
3. Prepare a 20–30 cm thick layer of crushed stone (fraction 16–32 mm) at the bottom of each hole.
4. Place the concrete cubes on the crushed stone base and ensure they are properly aligned and level.
5. Secure the fitness equipment to the concrete cubes using M12 × 90 mm wedge anchors.
6. Cover the entire area with a suitable surface material so that the cubes are fully concealed.

Safety Zone

It is important to ensure that each piece of fitness equipment has a safety zone of at least 1500 mm on all sides.

This area must remain completely free of obstacles to provide users with safe movement space.

Two different pieces of equipment may share part of the same safety zone, but there must always be at least 1500 mm of clear space around each unit.

