

## Technical description

### Fitness equipment

#### Fitness equipment Elliptical Bike MFS-002.

The equipment is predestined for the development of the back and leg muscles.

**Components:** lower base, lever system, handles, footrest.

The support pillar of the equipment must be made of steel pipe, with a thickness of 3 mm and a diameter of 130 mm, being mounted on a platform with holes for fixing to the foundation. The main structure of the equipment will be made of pipe with a diameter of 76 mm and a thickness of 4 mm. The footrests will be made of polyethylene LLDPE using “rotomoulding” technology.

The static components will be built from a single element. In the case of mobile elements, movement will be ensured by means of a system of joints resistant to the external environment. All articulated joints will be equipped with reinforced bearings of the closed type.

The poles are made of 33 mm diameter pipe with a thickness of 2.8 mm and will be rubber-coated to prevent the limbs from slipping. All moving parts, heads, screws, nuts need to be covered with plastic protective caps. Metal elements need to be sandblasted and electrostatically painted in two layers with a thickness of 100 microns to make them resistant to the external environment.

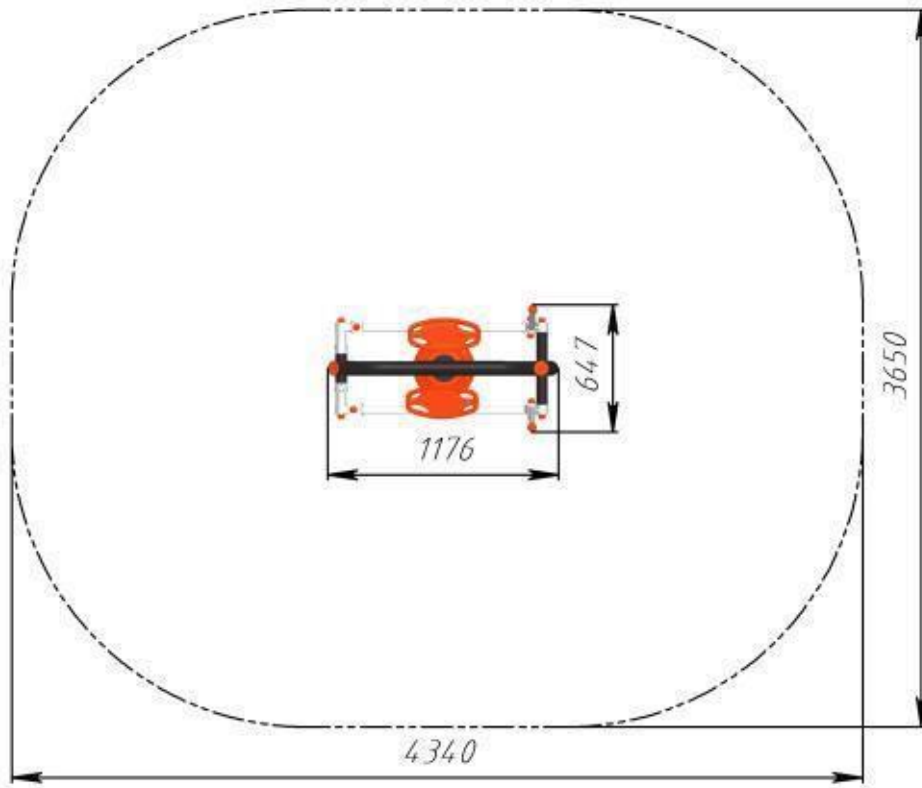
**Materials:** steel, LLDPE, rubber, zinc-plated fasteners, plastic caps in the places of thread joints.

The foundation of the structure will have dimensions of Lxhx=400x400x500 mm.



**Installation requirements:** To ensure safe and reliable operation, all supporting elements shall be deepened into the ground (earth) 0.50m to increase rigidity, then following the concreting process (BC 300 concrete). The installation of the elements must exclude the possibility of their disassembly, without the use of special purpose tools.

**Dimensions:** length – 1176 mm, Width – 647 mm, Height – 1620 mm. In addition to the space occupied by the equipment, according to the regulations in force, an impact zone of 1.5 m will be provided.



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