

Technical description

Fitness equipment

Fitness equipment “Leg Extension – Pendulum” MFS-015.

Components: support pillar, lower base, lever system, levers, footrests.

The support pillar of the equipment needs to 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. All mobile components that support the weight of the body will be made of steel pipe with a diameter of 48 mm and a thickness of 2.8 mm, and the levers and footrests with a diameter of 42 mm.

The connected static elements will have a diameter of 33 mm and 27 mm, being made of steel pipe with a thickness of 2.8 mm.

The footrests and steering wheel need to be made of LLDPE polyethylene using “rotomoulding” technology.

All articulated joints will be equipped with reinforced closed type bearings. Static components will be constructed from a single element. In the case of movable elements, movement will be ensured through a rocking system and joints resistant to the external environment. All movable elements, heads, screws, nuts covered with plastic protective caps. Metal elements sandblasted and electrostatically painted in two layers with a thickness of 100 microns to make them resistant to the external environment.

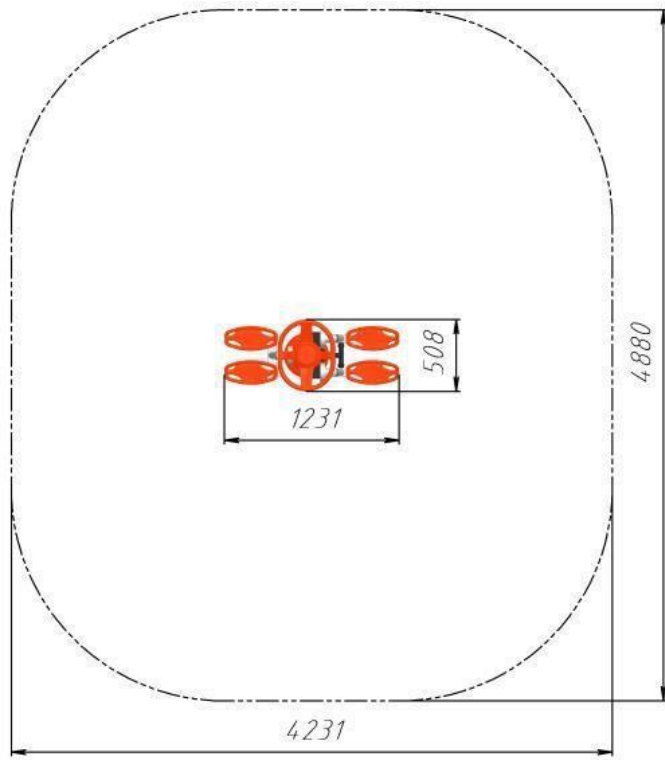
Materials: LLDPE, steel, rubber, zinc-plated fasteners, plastic caps in the places of thread joints.



The foundation of the structure will have dimensions of Lxlxh=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: 1231 mm, Width: 508 mm, Height: 1400 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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