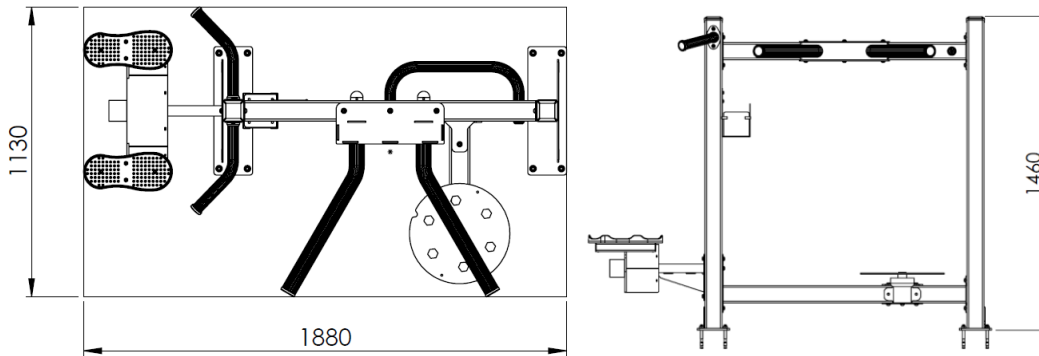
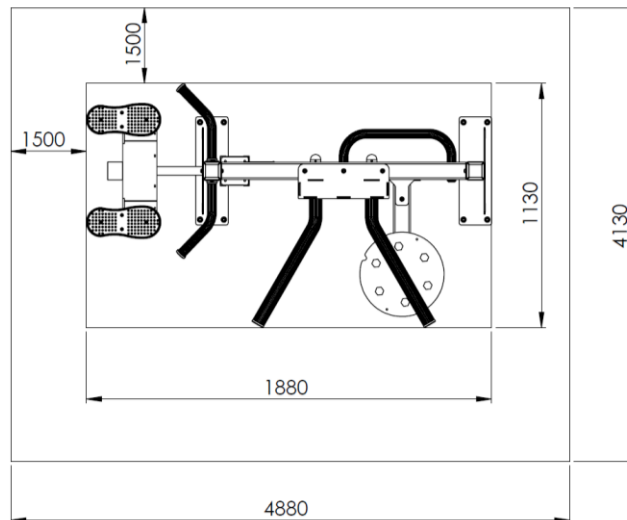


LKF1110

BAR DIPS STEP TWIST TECHNICAL SPECIFICATIONS



Safe Settlement Area Measure



## 1. SCOPE

This specification covers the technical characteristics of the mechanical BAR DIPS STEP TWIST machine, manufactured for use in outdoor sports areas, designed to exercise users' lower and upper body muscles.

## 2. GENERAL FEATURES

All metal parts will be sandblasted.

The machines will feature a compartment for users to store their phones and drinks.

Each machine will feature a QR code providing access to a video explaining the correct use and operating principle of the product.

Each part will be packaged to prevent friction and scratches during transport.

The products will not have any sharp edges or surface details that could harm the human body during use. Contact points will consist of rounded lines and curves.

## 3. SURFACE TREATMENTS AND PAINT

Oil, rust, and dirt on metal surfaces will be cleaned using a pressurized air spraying method.

The material surface will be sandblasted to open pores, ensuring better adhesion of the zinc primer and paint.

After sandblasting, all metal surfaces will be painted with zinc primer-coated electrostatic paint

## 4. MECHANICAL SYSTEM AND BODY STRUCTURE

Square profiles measuring 80 x 80 x 4 mm will be used in the main body of the machine.

Rectangular profiles measuring 40 x 80 x 4 mm will be used in the moving load arms.

The shaft connecting the main body and the load arms will have a diameter of Ø40 mm.

The movable load arms will be connected to the main body with self-contained bearings.

6206 surface-coated bearings will be used.

The bearing systems will be protected against water, dust, and external factors with polyamide-based covers manufactured using the plastic injection method.

The machine will be manufactured for use by multiple people.

## 5. SAFETY AND ERGONOMICS

Ø72x52 mm rubber buffers will be used to prevent collisions.

To prevent metal-to-metal contact, 45x68x35 mm elliptical rubber buffers will be mounted on 40x80 profiles.

For user safety, half-circle, square, or elliptical polyamide caps will be placed at the ends of the 40x80 – 80x80 profiles.

## **6. SUPPORTS AND HANDLES**

Handles will be made from Ø34 and 48\*3 mm pipes. To prevent hands from slipping on the handles, a PVC-added product containing synthetic rubber that is unaffected by adverse weather conditions and sunlight will be used.

## **7. DIMENSIONS AND ASSEMBLY**

The machine's passive (closed) dimensions shall be at least 1880 mm width x 1130 mm length x 1460 mm height.

The product shall be fully disassemblable for transportation.

**Products shall be manufactured in accordance with EN16630 Standards.**