

## **PW-11**

- The fitness equipment is designed to train the abdominal, arm, wrist and leg muscles.
- Carrier pipes are manufactured from 100x100x3 mm profile.
- The upper part of the carrier main body is closed with a pipe cover made of plastic material.
- The carrier pipes are fixed to the ground with a 300x300x8 square flange.
- Horizontal pipes with SDM Ø 51 mm wall thickness and 4 mm wall thickness are fixed to the carrier pipes in accordance with their purpose.
- Fitness equipment Ø 40 mm It has horizontal pipes. it is designed with the installation of bent SDM pipes with a wall thickness of min. 2.5-3 mm.
- All metal parts are painted with electro static paint.
- Sandblasting method was used.

## **Electro Static Paint**

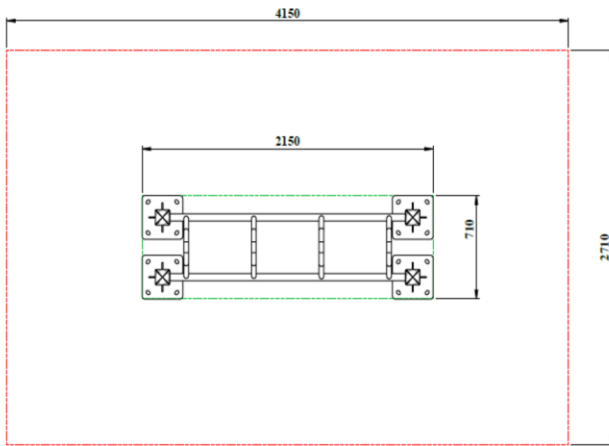
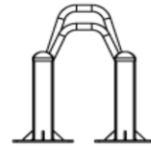
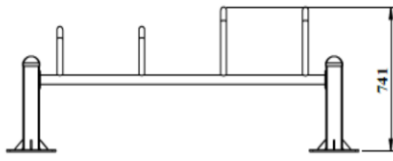
- After all metal parts are manufactured, they are immersed in an iron phosphate bath with 1% concentration at 50 degrees for 15 minutes after rinsing in the dust and degreasing bath with 5% concentration at 70 degrees for 10 minutes.
- Afterward, they are rinsed with clean water again and carried out drying processes.
- Before the static paint process, sanding is applied in a way to prevent rusting, which may be caused by dust and particles that can settle on the metal parts as a result of air circulation during the drying phase during the resting period.
- After this stage, the material is covered with polyester-based powder paint with a thickness of 60-80 microns, which prevents heating (color fading) in the sun, and then it is heated in an oven at a temperature of at least 200-220 degrees for 10 minutes, and the painting process is completed.

## **Sandblasting Method**

- In order for the sandblasting process to occur as desired, specially made steel grids between S – 330 and S – 660 are cleaned by punctuating every part of the products suspended inside the machine by means of a special pressurized

technological machine by means of a Deceleration method. In order to ensure complete cleanliness, the products are placed in the suspension system in such a way that each point is sandblasted. The speed of the hanger system should be adjusted from 3 cycles / minute to 10 cycles / minute and the hanger rotates 360 degrees to ensure sandblasting.

- The granules to be used in sandblasting are round. Other angular granules increase the deformation of the product rather than taking the layer on the product, and will reduce the metal specification of the product. Angular grit material will not be used. Steel round granules, which are the sand type with the least dusting and the best sandblasting power used in sandblasting, should be used according to the thickness of the material. Thick granules used in a metal material that is thin will reduce the service life of the material. In order for the micron points left by the pressure effect of the granules used to be at the desired level, the granules must be renewed frequently.
- If it is not renewed, the oil remaining on the product during painting will come to the surface due to the fact that the oil, dirt and rust removal process will not be complete, as the granules will shrink with the impact of pressure. In this case, it will affect the paint is not good. After the sandblasting process is completed, the metal materials are directed to the dust removal boilers. Here, the products are washed and made ready for electrostatic powder coating.



Dimensions	Width	71 cm
	Lenght	215 cm
	Height	74 cm