

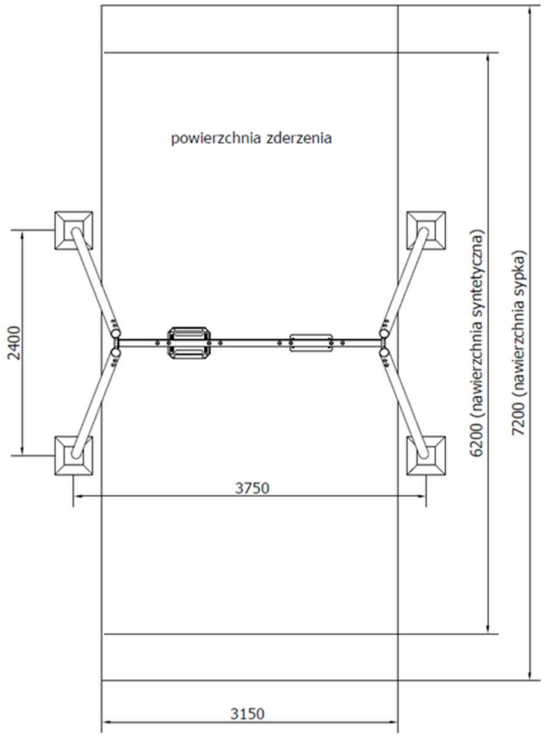
ASSEMBLY INSTRUCTION

DOUBLE SWING HTR-02

Correctly performed installation of the device, in accordance with the instruction, will ensure the safety of use of the equipment. Before putting the device into use, check the correctness of assembly. Installation of devices should be carried out in accordance with the appropriate safety zones and use of neighboring existing or planned devices, in accordance with the principles contained in PN EN 1176. The installation of the device should be performed on even and flat ground, immediately after its delivery to the construction site, securing the area of installation works against unauthorized persons. During the assembly work, follow the assembly instruction of the given device.

Device assembly stages:

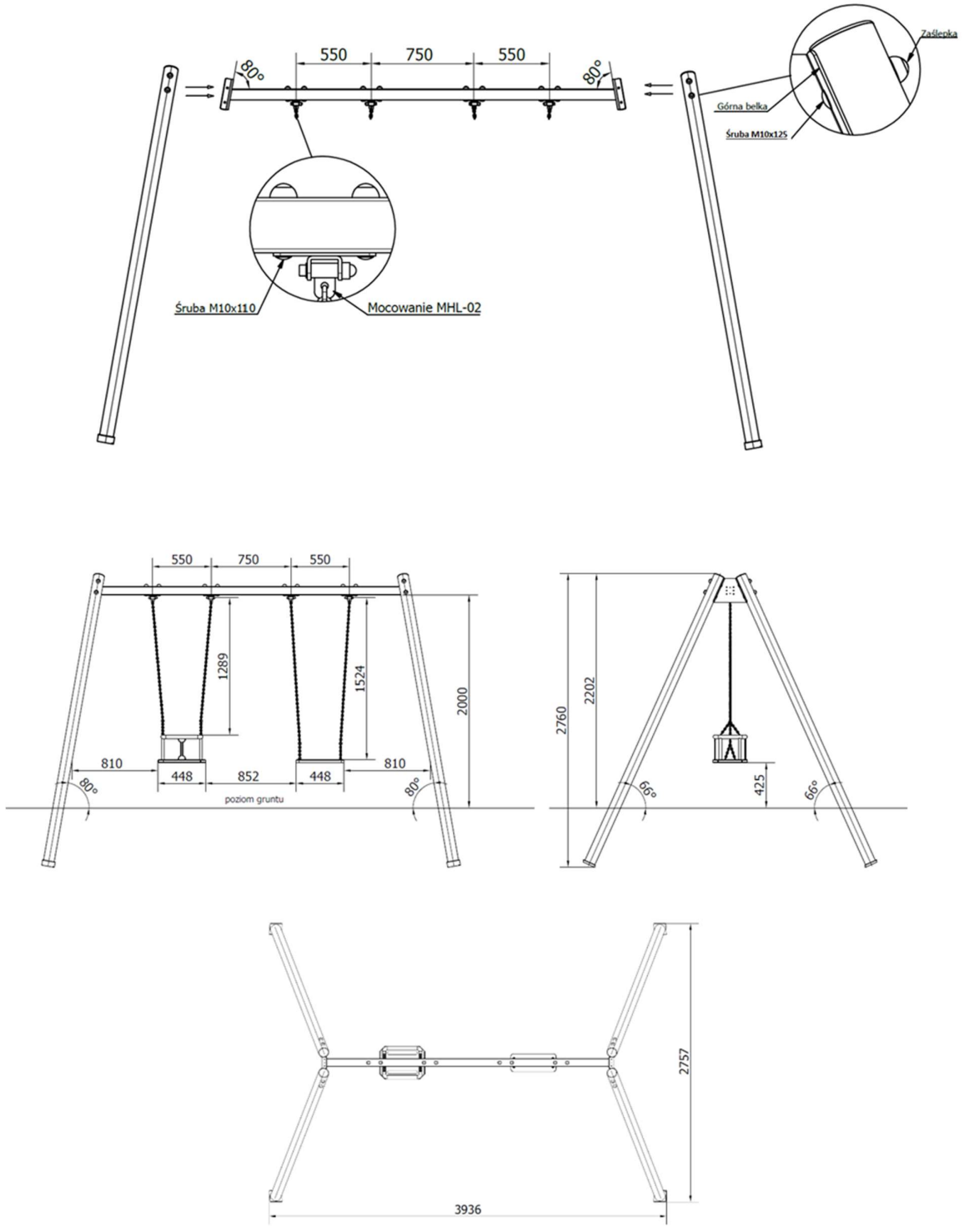
1. Measure the distance from the neighboring device (min. 2.75 m) - the safety zone necessary to install the device on the playground corresponds to the minimum operating zone – Drawing 1. The safety zones of the devices installed on the playground should not overlap. The dimension of the safety zone is shown in the Drawing 1.



Drawing 1. Safety zone

2. Construction elements such as the upper beam and the swing legs should be placed on an even, flat surface. Screw two legs of a diameter of Ø100 x3000mm with the upper beam of dimensions

80x80x2850mm using a lock bolt M10x125 with a self-locking nut M10 and a washer. Cover the fixing with a plastic cover as shown in Drawing 2. Assembly of the construction.



Drawing 2. Assembly of the construction.

3. As shown in the Drawing 5. Fastening of the securing chain, to the holes drilled in the upper beam, tighten with a lock bolt M10x110 with a self-locking nut M10 and a washer with the MHL-04 type mounting – Drawing 3. (optionally, you can use the stainless steel fixing of the manufacturer KBT- 817.002.041.001 Drawing 4. - after checking the spacing of the mounting holes).

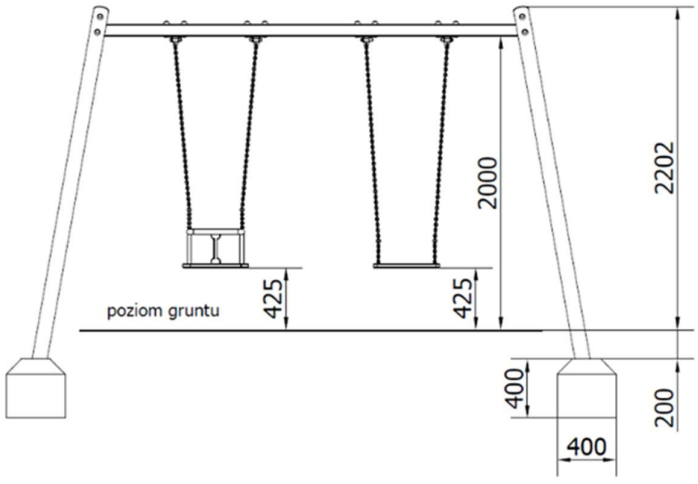


Drawing 3. Swing mounting type MHL-02



Drawing 4. Swing mounting type Premium - 817.006.010.002

4. Keeping in mind the safety zone, designate a place for the foundation. After designating the place of installation of the swing, we proceed to make a foundation trench in the ground with a minimum dimensions of 40 x 40 x 60 cm. For additional information on mounting heights, see Drawing 6. Concreting.



Drawing 6. Concreting

5. In the case of loose soil, make a formwork.

6. Pour concrete to the height of the anchor approx. 450 mm, class B20 (with a water-repellent additive and closing the pores to increase the watertightness of concrete) to the level of about 200 mm below the ground level – Drawing 6.
7. Wait until the concrete gets stiff.
8. Cover the foundation with the top layer of soil. In the device functioning zone, a surface should be provided depending on the possibility of free fall for a given device, in accordance with PN EN 1177. The surface should be made over the entire collision surface. The safe surface should be made in accordance with Table 1.

No.	Type of surface
1.	Bark (size from 20-80 mm
2.	Wood chips (size 5-30 mm),
3.	Sand or gravel (grain size 0.25-8 mm),
4.	Synthetic surface

Table 1. Commonly used shock-absorbing surfaces.

9. Remove the foil and elements securing the device.
10. Attach the seat to the previously installed MHL02 type fasteners (KBT 817.002.041.001) at the upper beam. The following seat combinations can be used:
    - flat seat + bucket seat
    - flat seat + flat seat
    - bucket seat + bucket seat

ATTENTION !

During assembly, pay particular attention to:

√ vertical and horizontal positioning of the swing

√ tightening of all bolts and fasteners

√ securing and marking the place of assembly

√ stability of all components and checking the level and condition of the fall-cushioning surface.