

ORIGINAL HUCK BIRDS NEST®

Part no. 4650, diameter 1.20m

ORIGINAL HUCK MINI BIRD'S NEST®

Part no. 4650-85, diameter 0.90m

HUCK HONEYCOMB NEST

Part no. 4550, diameter 1.00m

ATTENTION!
READ PRIOR TO INSTALLATION!

Dear customer,
 dear operator.

With this play equipment you have acquired a quality product made by *HUCK Seiltechnik GmbH*, which is used by many renowned manufacturers of play equipments all over Europe.

If you detect defects on the swing basket itself, please inform your supplier immediately:

Attention, please always indicate: 1) **Serial number**, 2) **Month of manufacture** (reverse side of the green „Huck-seal“, incuse with month and year of production on an upper end of the suspension chains) and 3) **Control number** (white number printed on black hose cover on rope ring).

Please pay extreme attention to absolute stability of the frame and the suspension bearings when mounting the Bird's Nest swing. The frame has to withstand extreme stress (swing force approx. 1.5 Tons). In case of doubt please see for professional advice. Principally, concerning assembly and maintenance, details according to the norm EN 1176 apply.

It is absolutely necessary to follow the instructions made on the assembly and maintenance instruction of the manufacturer, in combination with this sheet, once the delivery is completed (including swing frame)!

When completely supplied with our special U-joints including safety bearing (part no 4608-1) please note the following details:

Drilling clearance for head beam of „Original HUCK Bird's Nest®“, part no. 4650:

Clear distance suspension bearings (located outside):	1,90 m (borehole diameter 19 mm)
Safety bearing with safety chain (located inside):	1,54 m (borehole diameter 17 mm)
(Safety chain consisting of 8 link chain no. 8)	

Drilling clearance for head beam of „HUCK Honeycomb Nest“, part no. 4550 and „Original HUCK-Mini-Bird's-Nest®“, part no. 4650-85:

Clear distance suspension bearings (located outside):	1,54 m (Borehole diameter 19 mm)
Safety bearing with safety chain (located inside):	1,90 m (Borehole diameter 17 mm)
(Safety chain consisting of 10 links chain no. 8)	

For installations with swing frames made of wood the bearings are additionally secured from below by pre-assembled claw-disks. For installations with swing frames made of metal the claw-disks are to be removed previously. Also, the boreholes on the bottom side of the head beam are to be widened correspondingly, to have the squared end of the bolt lock in position in the metal (borehole for main bearing Ø approx. 24 mm, borehole for safety bearing Ø approx. 21 mm).

Checking the Universal Joint (part no. 4608) during Assembly:

Direction of installation: The upper bearing shaft needs to point at 90° in swing direction – the subjacent shaft leads therefore the motion of the swing direction (please note image)! On-site it is especially important to have all bearings move freely (main bearing and safety bearing). This means, as soon as the basket is installed, it immediately is to be checked if the bearing axis (main bearing) is turning when a slight swing movement is made. If this is not the case, short and hard chafing will happen to the junction to the suspension, causing the suspension chains to fail (rub through).

With the type of bearing 4608-1 from *HUCK Seiltechnik* this will be prevented, when the last chain link at first is tightened as hard as possible with the crossways screw. **ATTENTION:** This isn't the last crossways screw, which holds the chain (see drawing, point 9)! Do not tighten or loosen bearing axis screws, as these were adjusted at the factory.

After that, the above mentioned check is to be made (make the equipment swing slightly). If the desired effect is not reached, loosen the Allen screw about ¼ turn. The end of the screw then needs to at least finish flush with the safety nut. Additionally, fasten the end of the screw at the stop screw nut with a prick punch for a second time.

Also the safety bearing has to be checked for free moving. At first the safety chain has to be hanged, with the shackle, into the second chain link (from top) of the main bearing chain, so that this hangs loose. The adjustment of the bearings can be made at the same time: Loosen crossway screw of the shackle (INOX-shackle) as much as to have the shackle move freely and secure with pre-assembled counter-nut. The safety nut used here functions as counter-nut. The end of the screw does not have to be reached by the blue safety ring of the nut!

Important: The rotational movement of this safety bearing has to point in swing direction (see drawing)!

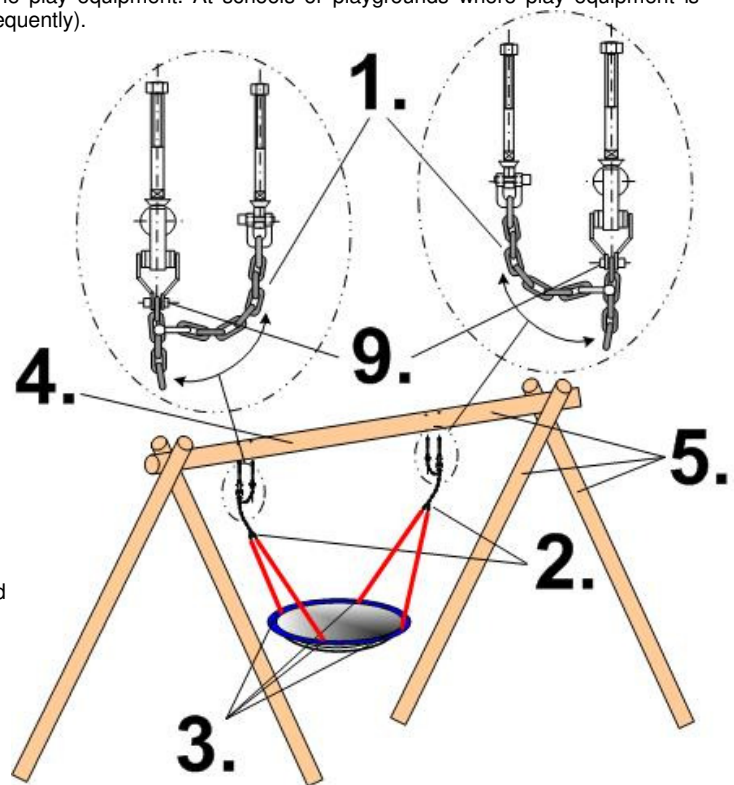
(If the scope of supply contains a swing frame, it is absolutely necessary to also enclose this instruction and hand it over to the maintenance personnel in charge!)

Maintenance Instruction:

Once this equipment is opened to the public, maintenance has to be carried out every day during the first week, later once a week. Especially the threaded connections of the swing frame as well as the suspension bearings have to be checked for tightness. Depending on the usage, but every three months at the latest, all suspensions directly at the basket have to be checked for abrasion.

(All following time intervals only apply for „normal“ use of the play equipment. At schools or playgrounds where play equipment is subject to intensive use, inspections have to be made more frequently).

1. Check all connecting elements from suspension bearing to suspension chains.
2. Check chain strands.
3. Check all of 4 suspension points on the swing basket (see appendix "to 3.").
4. Check stability of bearings in head beam resp. in cross traverse.
5. Check complete support structure, especially check wood for disintegration (→ **½-yearly**) resp. check steel for corrosion (→ **yearly**). It is mandatory to excavate posts in the foundation area and check them.
6. Check the ground surface of fall protection area for hard objects and free foundations (→ **weekly**).
7. Check all connecting elements and fittings for wear and tear and tighten if necessary. Replace parts if required (see drawing pos. 1-4). (→ **weekly up to monthly**)
8. Check all attachments such as chains, ropes, nets, rubber parts, sleeves for wear and tear and replace if necessary. (→ **monthly**)



Note direction of rotation and installation according to the drawing shown above (shown here: Bird's Nest 1.20 m Ø with internally mounted safety bearings)

When assembling the Mini-Bird's-Nest and the Honeycomb Nest the safety bearings have to be mounted outside!

Checking Protection Against Abrasion Point 3.:

Position yourself inside the basket and slide up the hose cover with force until the first chain link suspended in the shackle gets visible. To prevent the hose from slipping down again, use a screwdriver or similar with the chain link to lock in place. Check the protection against abrasion, which is mounted between shackle and chains and replace if necessary. If there should be serious abrasion visible on the chain link, the next chain link is to be suspended. Shorten the rubber hose for about 6 cm, loosen shackle from bearing bush, remove defect chain link and suspend again on next chain link. See to tighten shackle bolt with safety glue (Loctite)!

Suspension Chains: Please note that (depending on the swing frame used) the upper suspension chains need to be shortened so that the space between upper edge soil to lower edge Bird's Nest of 40 cm is given!

This assembly and maintenance instruction is to be handed over to the corresponding maintenance personnel in charge, as maintenance is only to be made by persons with the necessary expertise. Due to liability reasons checks are to be recorded according to EN 1176-7!

We recommend to check and maintain the play equipment at least within the time periods indicated, as use of the equipment, the weather and malicious vandalism cause wear and tear that compromise the safety and the function of the equipment.

For **faults** that compromise safety quick action must be taken: The equipment has to be closed to the public immediately and repaired or dismantled. Faults that compromise function should also be repaired immediately. Such faults lower the value of the equipment to the user and encourage malicious vandalism, which may render the equipment less safe. Also these kind of faults should be repaired immediately.

If you have any problems during assembly or in case of other questions please do not hesitate to contact the supplier or Huck Netting UK Ltd - 01308 425100.

General information: Providing any necessary repairs are carried out, a piece of play equipment that is inspected regularly cannot become so damaged that it is dangerous.

If you have questions in this case please contact your supplier or

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