

ASSEMBLY AND MAINTENANCE INSTRUCTIONS

ORIGINAL HUCK BIRD'S NEST®

Art. No. 4650, diameter 1.20 m

ORIGINAL HUCK MINI BIRD'S NEST®

Item No. 4650-85, diameter 0.90 m

HUCK WABENNEST

Item No. 4550, diameter 1.00 m

ACHTUNG!
UNBEDINGT VOR
INSTALLATION DURCHLESEN
UND BEACHTEN!

Dear customers,
Dear operators,

With this device you have purchased a quality product from **HUCK Seiltechnik GmbH**, which is used by many well-known playground equipment manufacturers throughout Europe.

If you discover any defects in the swing basket, please inform your supplier immediately or contact us directly as the manufacturer: Tel. +49(0)6443/8311-99, Fax: +49(0)6443/8311-79 or E-Mail:.

Attention, please always state: 1) serial number, 2) date of manufacture (back of the green "Huck seal" at one upper end of the suspension chains with imprinted month and year of manufacture) and **3) control number** (white number on black hose cover on the rope ring).

When installing the bird's nest swing on an existing swing structure, ensure the extreme stability of the frame and suspension bearings. The frame must withstand extreme loads (inertial load of approximately 1.5 tons). If in doubt, consult a qualified professional. The instructions in EN 1176 generally apply to installation and maintenance.

If the delivery is complete (including the swing frame), the manufacturer's assembly and maintenance instructions must be observed in conjunction with this leaflet!

When delivered complete with our special universal joints including safety bearing (Art. No. 4608-1), please note the following details:

Drilling distance for head beam for "Original HUCK Vogelnest®", Art. No. 4650:

Clearance of suspension bearing (external): Safety	1,90 m (Bohrdurchmesser 19 mm)
catch bearing with catch chain (internal): (catch chain	1,54 m (Bohrdurchmesser 17 mm)
consisting of 8 links chain no. 8)	

Drilling distance for head beams for "HUCK Honeycomb Nest", Art. No. 4550 and "Original HUCK Mini Bird's Nest®", Art. No. 4650-85:

Clearance of suspension bearing (internal): Safety	1,54 m (Bohrdurchmesser 19 mm)
bearing with safety chain (external): (Safety chain	1,90 m (Bohrdurchmesser 17 mm)
consisting of 8 links, chain no. 8)	

When installed on wooden swing frames, the bearings are additionally secured from below by the pre-assembled claw discs.

When installing on metal swing frames, the claw washers must be removed beforehand. Likewise, the holes on the underside of the head beam must be widened accordingly so that the square end of the bolt is locked into the metal to prevent twisting (hole for main bearing Ø approx. 24 mm, hole for safety bearing Ø approx. 21 mm) – the corresponding alignment can be found on the back of these instructions.

Checking the main bearings Art. 4608 during assembly:

Installation direction: The upper bearing axis must be rotated 90° to the swing direction - the axis below will then move in the swing direction (please refer to the illustration on the reverse side)! The freedom of movement of the bearings used (main and safety bearings) is particularly important and must be observed during installation. This means that after the basket has been installed, it is essential to check whether the bearing axis (main bearing) rotates even with the slightest swing movement. If this is not the case, short, intense abrasion movements can occur in the transition area to the suspension, leading to failure of the Suspension chains (chains chafing) can be the result.

With the bearing type 4608-1 used by **HUCK Seiltechnik**, this can be avoided by first tightening the last chain link with the cross screw as tightly as possible. CAUTION: This refers to the last cross screw that supports the chain (see drawing item 9)! Do not tighten or loosen the two bearing axle screws under any circumstances; they are factory-adjusted.

Then, perform the above-mentioned check (make sure the device is only moving "LIGHTLY"). If the desired effect is not achieved, loosen the Allen screw by approximately 1/4 turn. The screw end must then be at least flush with the lock nut. Additionally, secure the screw end to the lock nut a second time using a center punch.

The safety bearing must also be checked for free movement. First, the safety chain is hooked into the second link (from the top) of the main bearing's suspension chain using a shackle, ensuring it sags *loosely*. The bearings can be adjusted in the same way: Loosen the cross screw of the stainless steel bracket (shackle) enough so that the bracket rotates freely and secure it with the pre-installed lock nut. The lock nut used here serves as the lock nut. The blue retaining ring on the nut does not need to reach the end of the screw!

Important: The rotation of this safety bearing must point in the swing direction (see sketch on the back)!

(If a swing frame is included, please be sure to include these instructions and forward them to the responsible maintenance personnel!)

Maintenance instructions:

When the device is put into operation, maintenance must be carried out daily for the first week and then once a week.

In particular, the screw connections of the swing frame and the suspension bearings must be checked to ensure they are tight.

Depending on use, but at least every 3 months, all hanging points directly on the basket should be checked for possible chafing.

(The time intervals specified below only apply to "normal" play. In schools, heavily used pitches, etc., a much shorter check must be carried out.)

1. Check the connection between the suspension bearing and the suspension chain.

2. Check the connection between the chain strands.

3. Connecting the 4 suspension points on the swing basket check (see appendix "to 3").

4. Check that the bearing is firmly seated in the crossbeam or cross member.

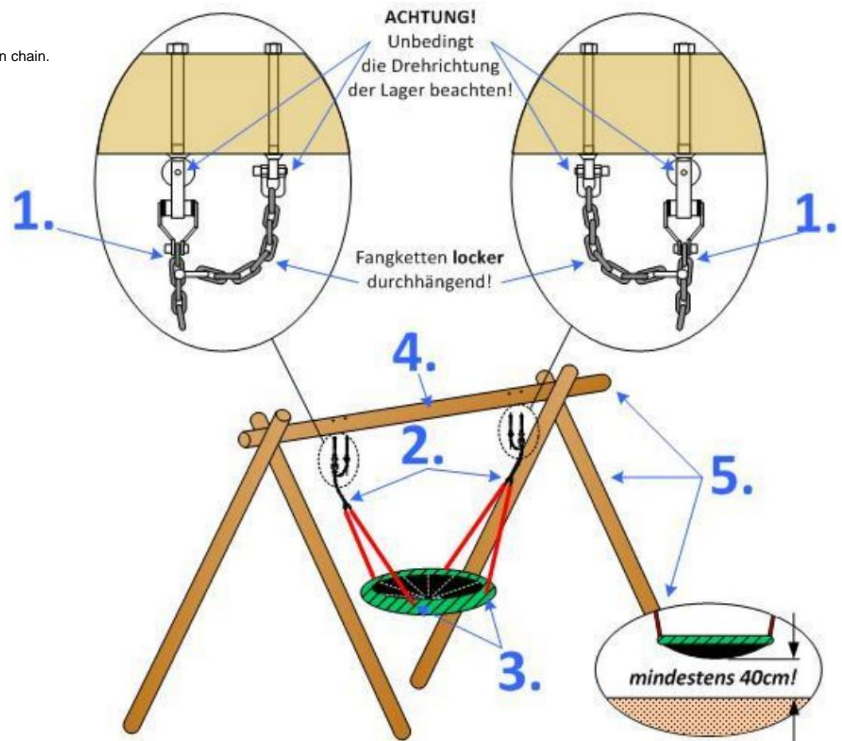
5. Check the entire supporting structure for stability, particularly for weathering of wood (→ **every six months**) and for signs of rust in steel (→ **annually**)

Be sure to expose and inspect the support posts in the foundation area.

6. Ground in the fall and protection area on
Check hard objects and uncovered foundations.
(→ **weekly**)

7. All connecting elements and impact parts for wear and tight fit
Check and tighten if necessary. Damaged
Replace parts (see sketch pos. 1-4).
(→ **weekly to monthly**)

8. All attachments such as chains, ropes, Nets, rubber parts, cuffs etc. on
Check for wear or damage and renew or replace if necessary.
(→ **monthly**)



Observe the rotation and installation direction according to the drawing above (here for a bird's nest 1.20 m Ø with internally mounted safety bearings)
When assembling the mini bird nest and the honeycomb nest, the catch bearings must be mounted on the outside!

Checking abrasion protection point 3:

Place it in the basket and firmly push the hose cover upwards until the first chain link hooked into the shackle is visible. To secure the hose against slipping, push a screwdriver or similar tool into the chain link. Check the chafing protection mounted between the shackle and the chain for wear and replace if necessary. If serious chafing is already visible on the chain link, the next chain link must be hooked in. Shorten the rubber hose by approximately 6 cm, loosen the shackle at the bearing bush, remove the affected chain link, and re-hook it into the next chain link. Be sure to screw in the shackle bolt using locking adhesive (Loctite)!

Suspension chains: Please note that (depending on the existing swing frame) the upper adjustment chains must be shortened so that a distance of 40 cm from the top edge of the floor to the bottom edge of the bird's nest is maintained!

These installation and maintenance instructions must be handed over to the responsible maintenance personnel, as maintenance and repairs may only be performed by qualified personnel. For liability reasons, inspections must be documented in accordance with EN 1176-6.

It is recommended that **inspection and maintenance work** be carried out at least at the specified intervals, as wear and tear caused by play, weather influences or deliberate destruction can result in a loss of safety and functionality.

Defects that compromise safety must be addressed promptly, either by immediate repair or by dismantling or decommissioning the device. Defects that impair functionality reduce the play value of the device and encourage deliberate destruction, which may result in a loss of safety. In these cases, too, the damage should be repaired immediately.

If you have any assembly problems or other questions, you can reach us on weekdays at the telephone numbers listed on the previous page.

General: A regularly inspected piece of playground equipment cannot be so damaged that it becomes dangerous. However, the prerequisite is that the regular inspections lead to repairs if necessary.

If you have any questions, please contact your supplier or

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