HUCK Seiltechnik

ASSEMBLY AND MAINTENANCE INSTRUCTIONS

ORIGINAL HUCK BIRD'S NEST®
Part no.4650, diameter 1,20 m

ORIGINAL HUCK MINI BIRD'S NEST®
Part no. 4650-85, diameter 0,90 m

HUCK HONEYCOMB NEST
Part no. 4550, diameter 1,00 m

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 equipment all over the world.

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)..

It is absolutely necessary to follow the assembly and maintenance instructions of the manufacturer, in combination with this sheet.

When completely supplied with our special Swing joints including Safety bearings (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 between Swing joints (located outside): **1,90 m** (borehole diameter 19 mm)
Clear distance between Safety bearings (located inside): **1,54 m** (borehole diameter 17 mm)

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 between Swing joints (located inside): **1,54 m** (borehole diameter 19 mm)
Clear distance between Safety bearings (located outside): **1,90 m** (borehole diameter 17 mm)

For installations with *swing frames made of wood* the bearings are additionally secured from bottom side with pre-assembled claw-disks. For installations with *swing frames made of metal* the claw-disks are to be removed. 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) – The corresponding adjustment can be seen on the reverse side of this instruction.

Checking the Swing 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 reverse side)! After assembly it is especially important to have all bearings move freely (Swing joint 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 pivoting when a slight swing movement is made. If this is not the case, chafing will happen causing the suspension chains to fail (rub through). With the type of bearing 4608-1 from *HUCK Seiltechnik* this will be prevented! Do not tighten or loosen bearing axis bolts, because these were already adjusted at the factory..

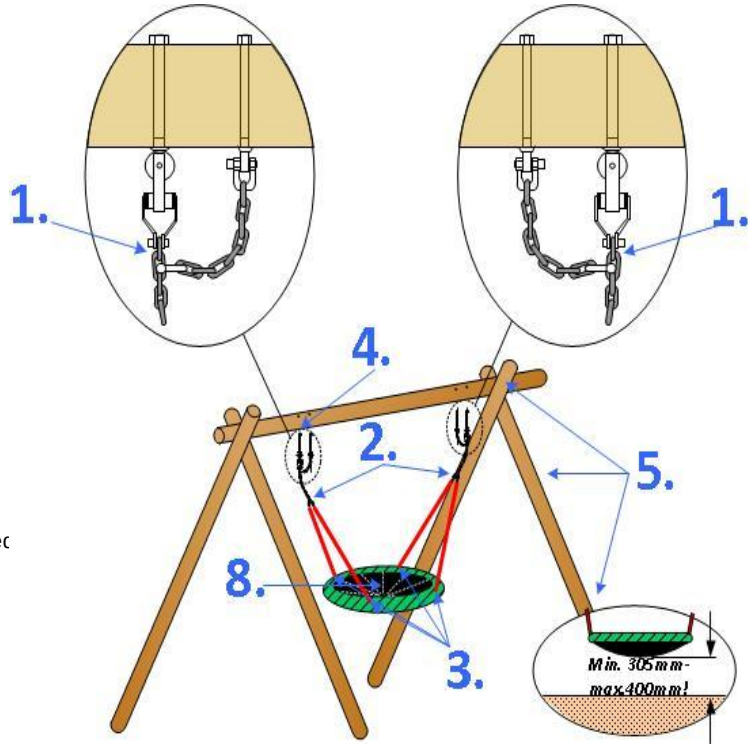
Also the safety bearing has to be checked that it is moving freely. At first the safety chain has to be connected with the shackle into the second chain link (from top) of the main bearing chain.
Important: The rotational movement of this safety bearing has to point in swing direction (see drawing on reverse side)!

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

Maintenance instructions:

Once this equipment is opened to the public, Inspections must 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.

1. Check all connecting elements from suspension bearings to suspension chains.
2. Check chain strands.
3. Check all of 4 suspension points on the swing basket (see appendix 3.).
4. Check stability of bearings in head beam.
5. Check complete support structure, especially check wood for disintegration **(→ ½-yearly)** 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 exposed foundations **(→ weekly)**.
7. Check all connecting elements and fittings for wear and tear and retighten if necessary. Replace parts if required (see drawing pos. 1-4).
   (→ weekly up to monthly)
8. Check all attachments such as chains, 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, push a screwdriver or similar through the chain link to lock in place. Check the abrasion protection piece for 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 about 6 cm, loosen shackle from bearing bush, remove defect chain link and suspend again on next chain link. retighten shackle bolt with 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 4oo mm is given! (but not lower than 305mm)***

This assembly and maintenance instructions are 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 ASTM F1487-11!

We recommend to check and maintain the play equipment at least within the time periods indicated, depending on 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 your supplier.

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