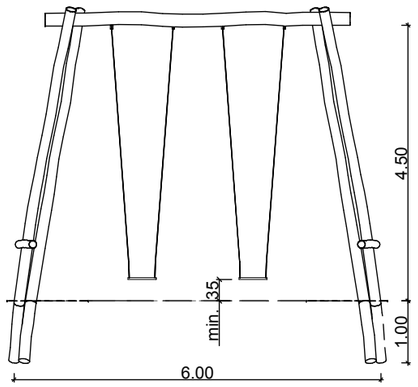
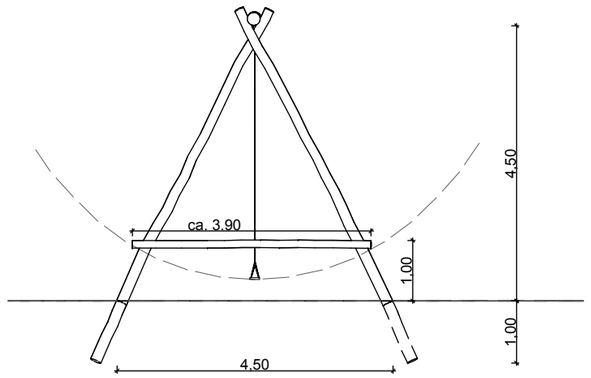
Giant swing

view

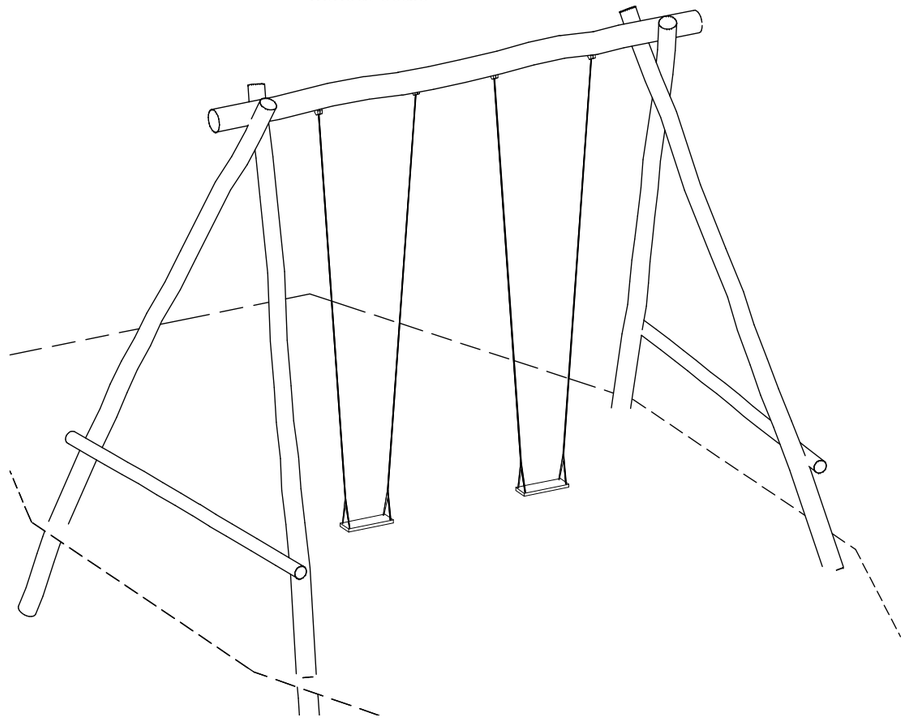


side view

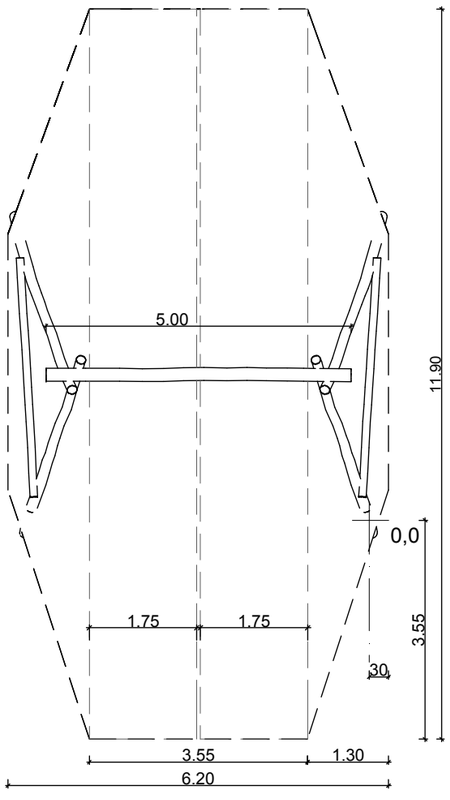


perspective

-without scale-

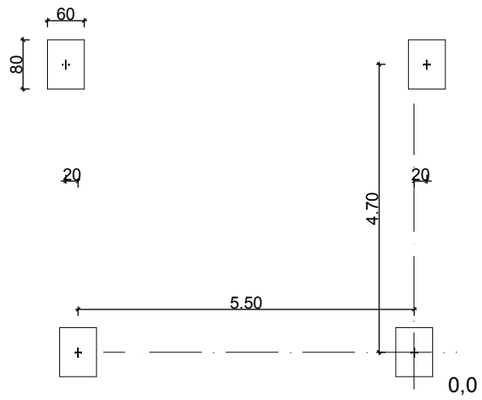


topview with
minimum safety area



foundation plan
check measurements
on building site

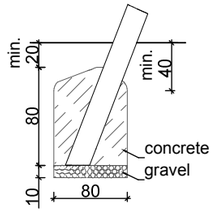
because of crooked trees different measures are possible



foundation detail
without scale

minimum soil class III; check compression
or make foundation bigger

A-post pole



project: Giant swing	scale: A3; 1:100	page: 1/1
address:	date: 29.05.2018	
editor: C. Krüger	SIK-Holz® Spielen – Individuell – Kreativ	
article ID.: 4.2.2.3.2		
project ID.: assembly	Master enterprise of woodcarving handicrafts	

ASSEMBLING INSTRUCTION

4.2.2.3.2 Giant swing 2-seated

Scope of delivery

Amount	Denomination	Measure
1	**swing beam with 2 mounted seats**	100 kg
4	posts at 100 kg	400 kg
2	roundwoods at 40 kg for A-frames	80 kg
Sum	**approx.**	**580 kg**

All weights are approximate. The heaviest component is highlighted in bold.

Tools

- spade, shovel and spirit level, hammer and ladder
- fixed-, ring-, box spanner, 10 / 13 / 17 / 19mm, screwdriver with insert Torx Bit (TX 10-30)
- set hexagonal-spanner
- 2 persons (2 installers at 8 h), telescopic loader with palette fork, mini excavators
- approx. concrete 1.5 m³ C 20/25

Assembling

- Connect the posts and roundwoods according to marking (Number on number and/or letter on letter // numbers indicate in brackets the screw length) with the supplied carriage bolts and distance sockets onto flat ground.
- Determine the foundation positions according to plan. **Measures are to the check by the client/customer, because of the natural growth forms of the wood.**
- Digging holes for the posts and bringing in gravel shift 10 cm in order to prevent stagnant moisture.
- **Installation depths (cut) on the stand posts are to consider.**
- Lift the frames into the prepared holes and make them solid.

Attention: if not adequately secured play towers or attachment parts may **be tipping!**

- Lift the swing beam according to marking into the frames, adjusting the swing beam by means of spirit level (the spirit level must be created at the swing axis) and through emphasis of the frames, mounting the swing beam with the posts.
- Between the frames and cross beams are openings which are to be closed because of entrapment with the enclosed wooden dowels. The drilling of this is factory prepared.
- Note: To simplify the installation, you should not pull the screw connections so tightly. Thus them is it easier to fixing the screws in the holes of the swing beam. When all the parts are assembled, the screws can be tightened.
- **It is to pay attention to the minimum seat height to floor (see installation drawing). If necessary, the chain length must be shortened.**
- After everything is assembled and aligned, the foundation according to the drawing can be properly completed.
- Transportation braces are to be removed after the arrangement provide by the client/customer.
- If the foundations have hardened readily, tightening all screw joints which fill game surface again and clear the game surface for playing.
- **Notice**: concrete needs about 28 days in order completely to harden.

Security guidelines

During assembly and transport on site, play towers and/or attachment parts must always be adequately secured, either through technology or through attached transportation bracing.

Required safety areas/ falling space around equipment are indicated on the installation drawings.

Playground equipment with a potential height of fall of more than 600 mm and/or a forced movement require an impact attenuating/ shock-absorbing surface in the whole impact area below them according to the **EN 1176-1:2008 4.2.8.5.2, and EN 1177**. (Non-shock-absorbing undergrounds are for example without limitation: bricks, stones, concrete, bitumen and wood.)

Preventive maintenance instructions

An operational check of the equipment must be carried out 2 weeks after installation. Here the main attention should be paid to tight screw joints and stability. In general the equipment should be checked on a regular basis. A visual routine inspection should be carried out on a weekly basis. An operative inspection should be performed every 1–3 months and the general or main inspection has to happen on an annual basis. We recommend to check stability of posts once a year and to expose foundations, let them dry and to repaint them also below ground level

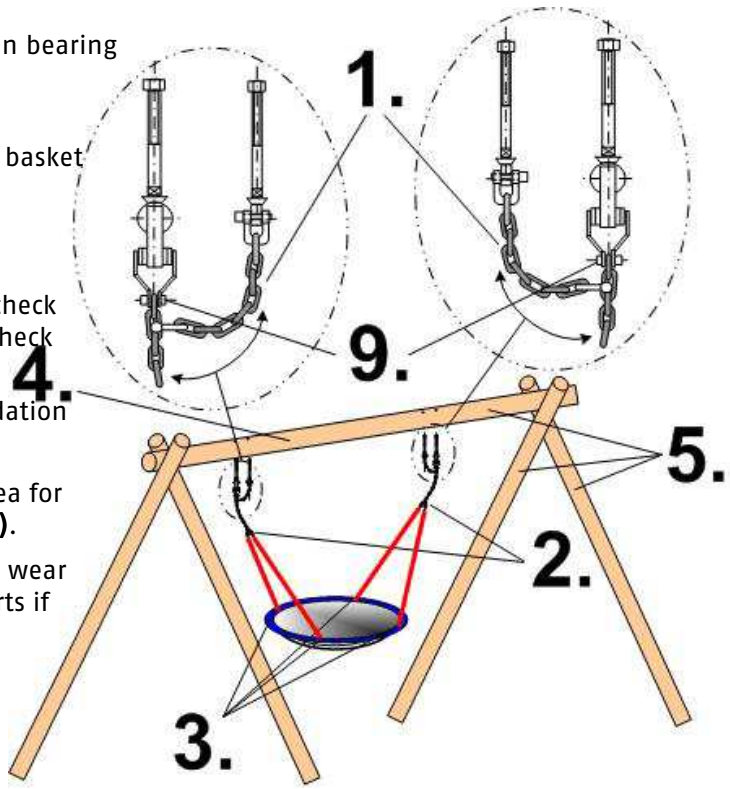
ASSEMBLING INSTRUCTION

above the foundation with a solvent free glaze. **(Further information concerning maintenance can be found in our *Checklist for Maintenance/ Inspection*, in our *General Maintenance Notes* and also in our catalogues, as well as on our website www.sik-holz.de/en)**

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!***