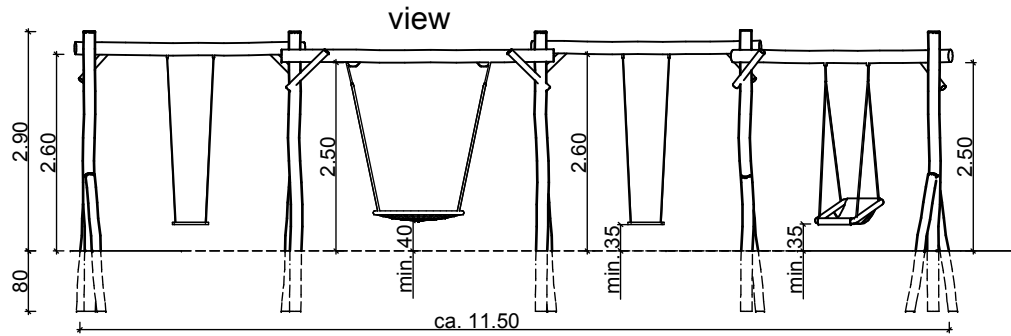
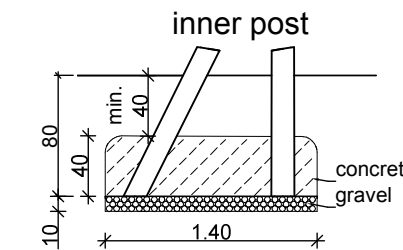
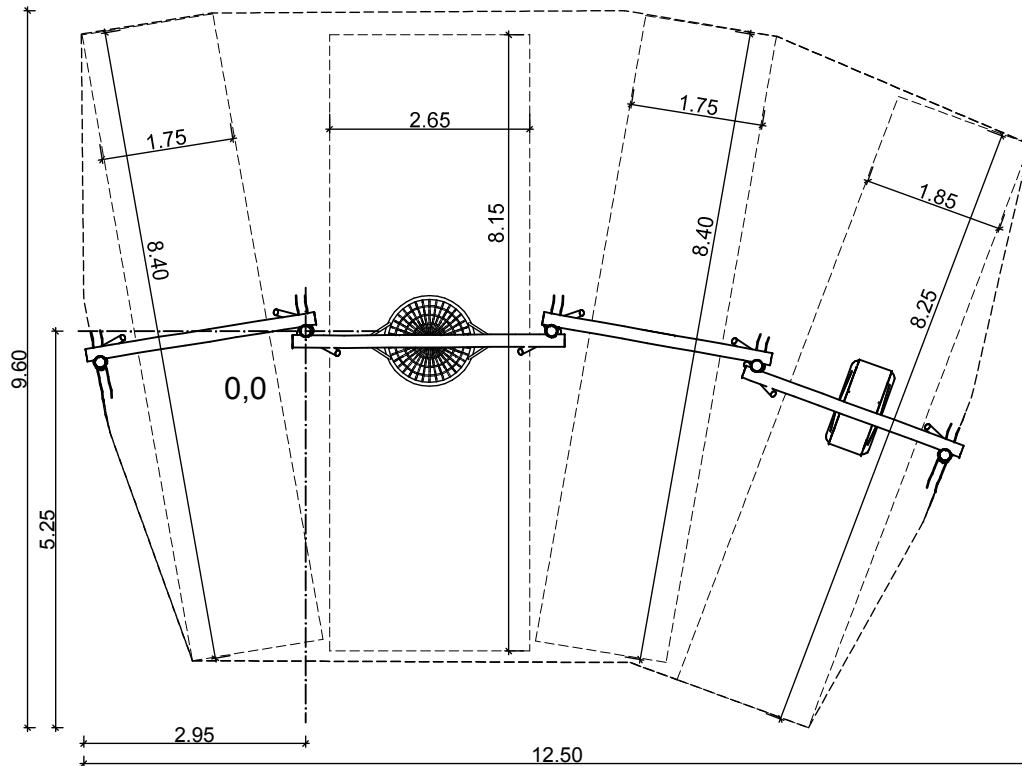


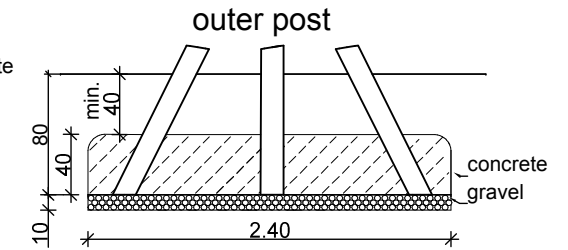
Swing Combination



topview with minimum safety area

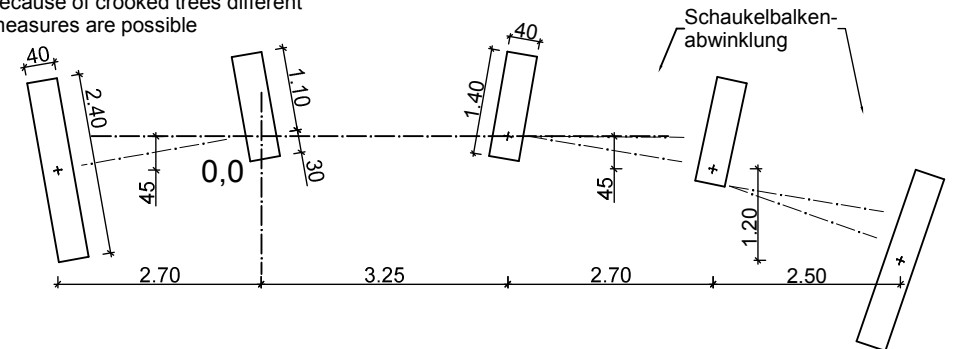



foundation detail -without scale-
-minimum soil class III; check
compression or make foundation bigger-



foundation plan
check measurements
on building site

because of crooked trees different
measures are possible



project:	Swing Combination	scale:	A4; 1:100	page:	1/1
address:		date:	05.08.2015		
editor:	K. Kern				
article ID:	4.5.8.2.10				
project ID:	assembly				
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ASSEMBLING INSTRUCTION

4.5.8.2.10 Swing Combination

Scope of delivery

Amount	Denomination	Measure
2	stand posts with 2 support posts at 120 kg	240 kg
3	stand posts with 1 support post at 90 kg	270 kg
4	swing beams at 50 kg	200 kg
8	head straps at 5 kg	40 kg
2	swing seats at 10 kg	20 kg
1	handicapped swing seat	40 kg
1	swing basket	40 kg
Sum	approx.	850 kg

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

Tools

- spade, shovel and spirit level
- fixed-, ring-, box spanner, 10 / 13 / 17 / 19mm
- set hexagonal-spanner, screwdriver with insert Torx Bit (TX 10-30)
- 2 persons (2 installers at 16 h), wheel loader with palette fork, mini excavators
- approx. concrete 1.35 m³ C 20/25

Assembling

- First, the playing surface (security area) should be measured, set the point (height) and the start point can be determined.
- Determine the foundation positions according to plan. **Measures are to be checked by the client/customer, because of the natural growth forms of the wood.** To determine the position of the foundations, use the attaching parts.
- Digging holes, depending on the section for the swing combination and depending on the ground conditions, a drainage layer, for example gravel layer 10 cm in order to prevent stagnant moisture.
- **Installation-hole (cut) on the stand posts are to consider.**
- Lift the stand posts into the prepared holes and make them solid.

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


- Lift the swing beams 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. After the head straps are mounted according to the markings.
- Note: To simplify the installation, you should not pull the screw connections so tightly. Thus it is easier to fix the screws in the holes of the swing beams and head straps. When all the parts are assembled, the screws can be tightened.
- After the swing seat/ -basket can be mounted on the swing beam.
- **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.
- Dismantle the swing seat(s)/ -basket if it cannot be ruled out that it may be played on after concreting.
- After 3-5 days of curing time, tightening all screw joints and which fill game surface again.
- Transportation braces and installation damage are to be removed after installation on site, grind and paint damaged areas.
- **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 and EN 1177.** (Non-shock-absorbing undergrounds are for example without limitation: bricks, stones, concrete, bitumen and wood.)

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ASSEMBLING INSTRUCTION

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 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)**