

# ASSEMBLING INSTRUCTION

## 2.12.71.5 Climbing Balancing Unit "Badger"

### Scope of delivery

Amount	Denomination	Measure
6	<b>climbing posts at 130 kg</b>	780 kg
2	posts with step at 110 kg	220 kg
4	posts at 70 kg	280 kg
2	posts at 40 kg	80 kg
1	double rope with single bar quadruple	25 kg
4	nets- 3 cornered at 10 kg	50 kg
1	wobbly jetty	40 kg
1	floating woods	30 kg
3	balancing beams à 100 kg	300 kg
6	support ropes ø 18 mm	12 kg
1	balancing rope ø 24 mm	3 kg
1	balancing jetty	20 kg
1	balancing rope ø 150 mm	40 kg
1	rope traverse	5 kg
1	wobbly boarded jetty	30 kg
1	balancing jetty	20 kg
<b>Sum</b>		<b>approx. 1935 kg</b>

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

### Tools

- spade, shovel, tape measure, spirit level, hammer and ladder
- socket wrench 17 / 19 mm, screwdriver with insert Torx Bit (TX 10-30)
- 2 persons (2 installers at 21 h), wheel loader with palette fork, mini excavators
- approx. concrete 3.4 m<sup>3</sup> C 20/25

### Assembling

- First, the playing surface (security area) should be measured, set the point (height) and the start point (post 7) 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 attachment parts.
- Digging holes depending on the section for the Climbing Balancing Unit and depending on the ground conditions a drainage layer, for example gravel layer 10 cm in order to prevent stagnant moisture.
- In the foundation area of the post is to follow the included steel reinforcement
- **Installation depths (cut, mark) on the post and/ or slide are to consider.**
- Lift the posts one after another into the prepared holes to adjust by means of spirit level and make them solid.

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

- Attachment parts one after another according to marking (Number on number and/or letter on letter / numbers indicate in brackets the screw length) mount.
- Information: Flexible attachments are to install with a slight sagging (please not too tight). To consider is the connection of the eye bolts in the direction of the pull of swing, bridge, nets and ropes. Please remove the nets and ropes –after the making of the concrete, if the use (the playing of the children) can not be excluded.
- Fixing the green flaps (belt) on both sides of the bridge, under load, with the included screws and washers at the bridge (Please note, that there is enough movement). After that the overlapping belt should be cut with a utility knife – as flush as possible at the end of the wooden bridge to prevent finger traps.
- After everything is assembled and aligned, the foundation according to the drawing can be properly completed.
- After 3-5 days of curing time, tightening all screw joints which fill the game surface again and clear the game surface for playing.
- 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.

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## 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.)

## 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](http://www.sik-holz.de/en))**

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