

Datasheet Super rope swinger-maxi Art.-No. 4585-10

 Space required: 8.90 x 17.50 m, safety area: 8.90 x 17.50 m Height of fall 1.50 m

2.	Surface material	Description	Minimum thickness	Maxim height og drop
1		mm	of layer (mm)	/ mm
- 8	Grass / topsoil			<= 1000*
- 2	Chipped bark	granular size 20 to 80	300/400	<= 2000/3000
1	Wood chippings	granular size 5 to 30	300/400	<= 2000/3000
1	Sand	granular size 0.2 to 2	300/400	<= 2000/3000
ł	Gravel	granular size 2 to 8	300/400	<= 2000/3000
	other surface materials	as tested in accordance with HIC		critical drop height as tested

*In Germany is lawn allowed until a fall hight of 1,50 m

- Name and overall dimension of the largest item of equipment: 1 stringer, Length 6.35 m, Ø 180 mm
- Weight of the heaviest item of equipment: 1 PK Stand posts, Stringer, Tie-bar 2.2 t
- 5. Intended age group: 4 years and over
- 6. Attention! Dig-in-system, no concrete necessary ! Size of foundations: depth 10x 0.90 m, width 2x 2.2 m x 1.20 m and 8x 1.00 m x 1.20 m (incl. Drainage layer of 0.10m height Attention! Hydraulic hoist, digger or the like necessary
- Time at complete assembly approx. 3-4 hours Required assistance: 3-4 people
- 8. Any spare parts which may be needed can be obtained directly from your supplier or from

manufacturer:	HUCK Seiltechnik GmbH	
	Dillerberg 4	
	35614 Aßlar-Berghausen	
	Germany	
	Phone: 0049 - 64 43 / 83 11 0	
	Fax: 0049 - 64 43 / 83 11 79	
	e-mail: seiltechnik@huck.net	

 We hereby confirm that this item of play equipment has been tested and certified in accordance with the new play equipment standard EN 1176.



ASSEMBLY INSTRUCTION Super rope end swinger Art. No. 4585-10

Package contents: Position 1 8 wood posts, Ø 18cm, 6.35m long (2 subassembled pair of scissorsposts; (2 pieces at a time pre-assembled length of 6,35 m is pole length without the metal shoe.) Position 2 2 wood posts, Ø 18cm, 5.00m long (Crossbeam without drillings) (the 2 crossbeams have to be connected by a half shell on site) Position 2a 4 wood posts. Ø 18cm. 5.00m long (Suspension beam with drillings) for the suspension bearings – swing joints) (the 2 crossbeams have to be connected by a half shell on site) (every 2 pieces assemble with on connection-shackel = 10m long together) Position 3 2 wood posts, Ø 14cm, 2.90m long Position 4 4 wood posts, Ø 18cm, approx. 5.20m long (assemble on each post a bottem cap with 12x200mm wood-screws) Position 5 12 bottom caps, 1.25m long 1 sitting – rope (squared – weaved rope made of polypropylene, Ø 16cm) Required assembly space: 8.90m x 17.50m 8.90m x 17.50m incl. safety area or Recommended ground sureface: In Germany we recommend for public places lawn or for Kindergarden even sand. In Europe we recommend for public places at least sand, wood chipping, etc. Required devices: wheeled excavator; approx. a lifting height of 400cm ladder, approx. 600cm long land level spirit level various open-ended spanners various screw-drivers supported – laths

Read carefully through the enclosed foundation plan!

Pay attention on the assembly tips on the foundation plan and on the fastening positions on the plans (see SA - SD)!



- 1. Measure out the assembly space including safety area.
- 2. Dig out the foundation holes <u>No.a-c</u>, 0.90m deep from the ground level and set arubble drain bed of 10cm (see sketch).

Round off foundation edges (min.R = 100 mm)! Sizes of fundations are "4-5" (natural ground).

Soil class 4: soft to medium plasticity, interleave bound, with minor portion of stone (portion < 30% with bigger diameter of 63 mm grain size) Soil class 5 : ground with soil class 3 and 4 with big portion of stones (portion > 30% with bigger diameter of 63 mm grain size) In case of sandy and soft soils, the surface measure of foundations have to be enlarged for about 50%!

- 3. Set down the scissors posts and opened in the fitting measures. During the installation, nail a lath for the stabilisation of the scissors position.
- 4. Set down the scissors **A** in the foundation, bring it in vetical line and make it stable (with the lath).

Assembly instruction: Super end swinger Art. - No. 4585-10

Make the same action with scissors **B**,**C** and **D**, this means, started on the left side and goes to the right side (as showed in the sketch).

Pay attention, that the sicssors are placed safet!

- 5. Attach the top beam with the assembled connection-shackle, between the sicssors posts. After you have checked all measures and distances, screw together the top beam with the sicssors post by threaded rods M16 and top-nuts.
- 6. Now attach the other 2 beams with the assembled connection-shackel as described on the above **point 5**, at a height of 3,20m from play level to the upper edge of the beams (see sketch, position 2).

It is very importent, that you keep the measures of 3.20m !

- 7. The 12 drillings for the ariculated swing-hooks have to be placed in a angle of 27°-30°, as showed in the sketch (plan No.1). The gaps in which to place is 11 times 65cm (see sketch; plan No. 2).
- 8. Fit the 2 cross beames, Ø 14cm and approx. 2,90m long (position 3) over the 2 beams (position 2), as showed in the sketch (plan No. 1)
- 9. Place the postes (position 4) diagonal on the scissors posts and the beam (position 2); as showed in the sketch. Pay attention that the posts are not placed in the swing area on the ground level.

If needed, concreted a little bit slant to the outside!

Pay attention on the distance "middle post to middle post" and "clear distance" !

- 10.Set an concrete C25/30, according to the foundation plan. The setting time is at least 7-8 days!
- 11.Assemble the swinging hooks and the sitting-rope. The lower edge of the sitting-rope should be 50cm over the ground level. If necessary short the chains.



Tips for maintenance

The play equipment is maintenance free. Inspect regularly the wood of rips. Is any damage on rops, you can replace it without any difficulties.

We would like to point out that you have to mainten and inspect the play equipment by an intensive use.

Beside pay attention by an incompleted installation, dismantle or by repair to block off the area.

If there is any assembly difficulties or if you have any further questions, write to us or call us at the below telephone number.

Phone: 0049 6443 83 11 - 99



Because of the natural charateristics of wood it is normal that shrinking and swelling occure due to heat and moisture. For example a wood post with a Ø of 180mm can vary between 173mm and 183mm. In occurrence it is necessary that bolts and screws be retightened and eventually shortened!



Securing bolts and nuts !

All bolts, nuts, cylinder nuts, etc. (except for Nyloc nuts) must be secured with at least 5 drops of Loctite!















10.Post 11.Playing surface 12.Top of foundation 13.Basic level mark

If the background is sand you have to make the top of foundation round (as you see in the upper sketch), if you let in the foundation 20 cm deep under the upper edge of the playing surface.

In any case it is very importent that you skew the top of foundation to prevent accumulation of water (rotteness danger).



Servicetip for the treatment of Oak-Wood

Dear Customer,

we have been thinking about the rottenness problem of the pine woods and thats why we offer our customers woods of german oak, witch are, as everybody knows, very resistant against rottenness. To bring the resistance to an optimum we deliver all the woods with a translucent witch also is an optical improvement.

- 14.Never build in the woods in concrete complete. Allways see them on a drainage bed of gravel and then build them in with concrete.
- 15. The upper edge of the foundation allways has to be camfered to the outside, so the water can allways get out.
- 16.Treat all the woods again with the translucent from the bottom end of the build in end. Paint against the grain to infilltrate natural cracks very good, witch could appear after the first paint. This way you can avoid the penetration of dampness. You don't have to dry the woods bevor build them in.
- 17. You can reach accessory protection if you fix a streak of coarse grained roofing paper according to the covering hight of the falling protection around the pole, after you build in with concrete. Do this to the upper edge of the foundation, because the critical area for rottenness lays in the earth aer region for all kinds of wood.
- 18.Every three years you free the pole and treat it with translucent "Typ Bondex 3933". You should do this at least with the crosspole of a swing rack. Better would be if you do it with the hole tackle.

With this treatment you will raise the natural resistance of the oak fundamental and keep the typical character of the color for years.

Close up the plaistation for at least one day untill the paint is dry.

19.For all small charge we put a disposal of a boring - mesuring instrument, witch makes damage visible with a drag - mesuring system and records the inside life of a pole on a diagramm. Its easy to handle and to carry out fast. You can use it for all kinds of wood. More information: Tel. 0049 (0) 6443 83 11 0

Attention! Don't remove the cover caps with the VA - Wood screws from every pole end, over the included steel rope.

Tabelle1

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Maintenance Record

Inspection	Day of
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Seite 1

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GENERAL TIPS FOR MAINTENANCE

Wood as a construction material is a problem for valluation because it is a vividness material.

As we know from experience you cannot prevent children from running in splonters and you do not have to. But by the splinting of beams, children can get hurt badley.

You cannot avert rips in the wood.

You will find a reduction of the safety in the following cases:

general rips through the cross beam of a swing or cuble railway (especially by torch growth and twisted growth)

if the wood centre rots because it got wet on a not impregnated part rips in the climbing area where children can get stick with there fingers (>8mm) and in the

same time there is a risk of falling down.

There is not a danger if there are rips in the uprights

You should not fil up rips with elastic material. Otherwise the water, which got in, cannot dry out and you got y rotting danger.





			HUC			
HUCK Seiltechnik (HUCK Seiltechnik GmbH • Dillerberg 3 • D-35614 Asslar-Berghausen • Tel.: 0049/(0)6443 - 83 11 -0 • Fax: 0049/(0)6443 - 83 11 -79 Periodic Maintenance Instructions					
Douglas sw	ving frame ArtNo	o. 4585-10				
w = weekly	m = monthly	y = yearly	W	m 1/4y	/ 1/2y	
20.Check the a objects or fo	area where persons oundations which ha	using the equipment m	ight fall or slip for hard	d		
21.Check stab	ility of the uprights.					\square
22.Check all co tighten up if	onnection componer necessary. Exchan	nts and fittings for wear ge damaged parts.	⁻ and see that they fit f	firmly;		
23.Check mov There is no	ing metal parts for e need to lubricate joi	asy movement and wean the since only maintena	ar; exchange if necess ance-free joints are us	sary.		
24.Check all at if necessary	ttachments, such as /.	chains, ropes, nets, et	c. for damage and rer	new		
25.Check rubb necessary.	er parts, sleeves, et	c. for wear or damage a	and exchange if			
26.Check the s exchange if	surface quality of pla necessary.	stic and metal compon	ents for damage and			
27.Check the s	surface quality of wo	oden parts for damage	caused by weathering	g or		

other external factors and rectify, exchanging if necessary.

It is recommended that the **checking and maintenance work** is carried out at the intervals shown, since wear and tear,

which reduces safety and the equipment's ability to function properly, will be caused by normal play use, the effects

of the weather and also by malicious damage.

Where faults adversely affect safety, urgent action is required either by immediate repair work or by dismantling the equipment or taking it out of use.

Those faults which affect the way the equipment functions reduce its play value and incite malicious damage, possibly rendering it unsafe. Here, too, immediate repairs should be undertaken.

Maintenance and repairs should only be carried out by trained personnel.

<u>General</u>: Any item of play equipment which is regulary checked cannot become so damaged as to be dangerous.

This presumes, of course, that regular checks are followed, where necessary, by repair work.

1 Hand over document



After the installation of the equipment pass the installation and maintenance documents to the operator. The operator has to receive the hand over documents. The complete filled and signed hand over document should be sent to the supplier.

Art.-No.: 4585-10 Type of item: Super rope end swinger - Maxi Serial number: _____

Customer or operator (Town, Town council, Kindergarten, etc.):

Competent person in charge:

Installation company (address):

Responsible assistant (assembler):

Received the complete assembly instructions, maintenance instructions and maintenance printout .

(Signature of operator)	(Signature of installation company)
(Stamp)	

Date: _____