

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 scissors-posts;
(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
bottom 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
or 8.90m x 17.50m incl. safety area

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 **No.a-c**, 0.90m deep from the ground level and set a rubble drain bed of 10cm (see sketch).
Round off foundation edges (min.R = 100 mm)! Sizes of foundations 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 vertical 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 scissors are placed safely!

5. Attach the top beam with the assembled connection-shackle, between the scissors posts. After you have checked all measures and distances, screw together the top beam with the scissors post by threaded rods M16 and top-nuts.
6. Now attach the other 2 beams with the assembled connection-shackle 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 important, that you keep the measures of 3.20m !
7. The 12 drillings for the articulated 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 beams, 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 a concrete B25, according to the foundation plan. The setting time is at least 4 – 5 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 shorten the chains!

Datasheet Super rope swinger-maxi

Art.-No. 4585-10

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

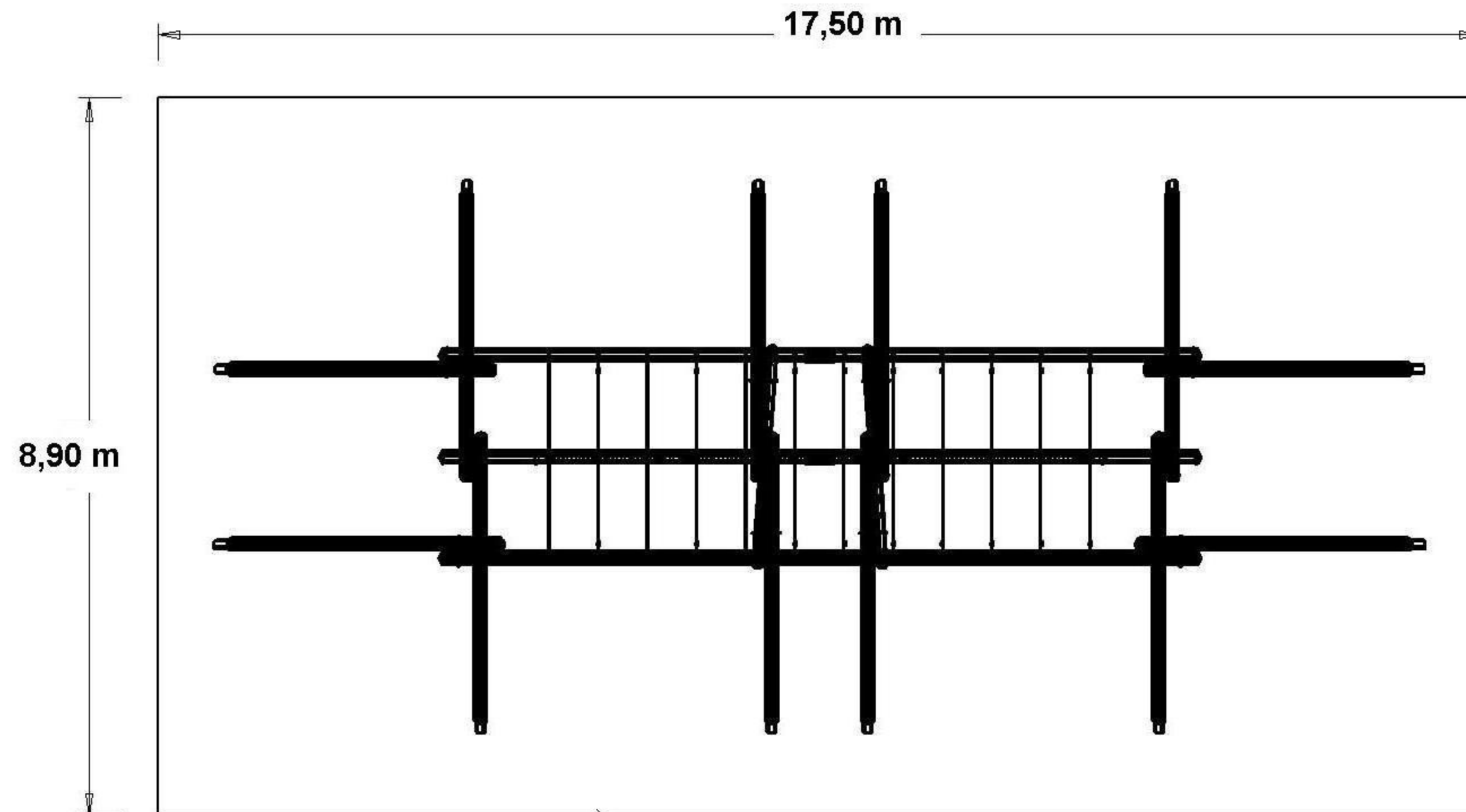
2.	Surface material	Description	Minimum thickness	Maxim height og drop
		mm	of layer (mm)	mm
	Grass / topsoil			<= 1000*
	Chipped bark	granular size 20 to 80	400	<= 3000
	Wood chippings	granular size 5 to 30	400	<= 3000
	Sand	granular size 0.2 to 2	400	<= 3000
	Gravel	granular size 2 to 8	400	<= 3000
	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

3. **Name and overall dimension of the largest item of equipment:**
1 stringer, Length 6.35 m, Ø 180 mm
4. **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
7. 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

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



Platzbedarf inkl. Sicherheitsbereich
(PS)

Space requirement incl. Safety zone.

Schnitt A - A Digram A - A

Rundholz - Ø 18 cm - 2x 5,00 m lang = 10m
(Kopfbalken) Ohne Bohrungen !!
Rounded wood - Ø 18 cm - 2x 5,00 m long = 10m
(uppers edge)

SA	16 x Gewindestange M16 x 380 lg threaded bolt
	16 x Hutmutter M16 carriage nuts
	16 x Stopmutter M16 stop nuts
	32 x U-Scheiben (Karrosseriesch.) M16 washers
SC	8 x Gewindestange M16 x 340 lg threaded bolt
	8 x Hutmutter M16 carriage nuts
	8 x Stopmutter M16 stop nuts
	16 x U-Scheiben (Karrosseriesch.) M16 washers
SB	siehe Blatt - Nr. 1 + 2 see page - No. 1 + 2

Befestigung von: 1.) Oberer Kopfbalken + A-Streben (Scherenböcke)
fixing 1.) uppers edge + scissors posts
Wichtig !! Bitte für Befestigung von SA unbedingt noch Blatt-Nr. 3 beachten
Pay attention on page No. 3

Befestigung von: 1.) Querholz (Querriegel) + A-Streben (Scherenböcke)
fixing 1.) cross beam + scissors posts

Befestigung von: 2.) Querholz (Querriegel) + Untere Aufhängehölzer
fixing 2.) cross beam + lower cross beam

2a Rundholz - Ø 18 cm - 2x 5,00 m lang = 10m
(Aufhängebalken)
Mit Aufhängebohrungen !!
rounded wood - Ø 18 cm - 2x 5,00 m long = 10m
(fixing beam)

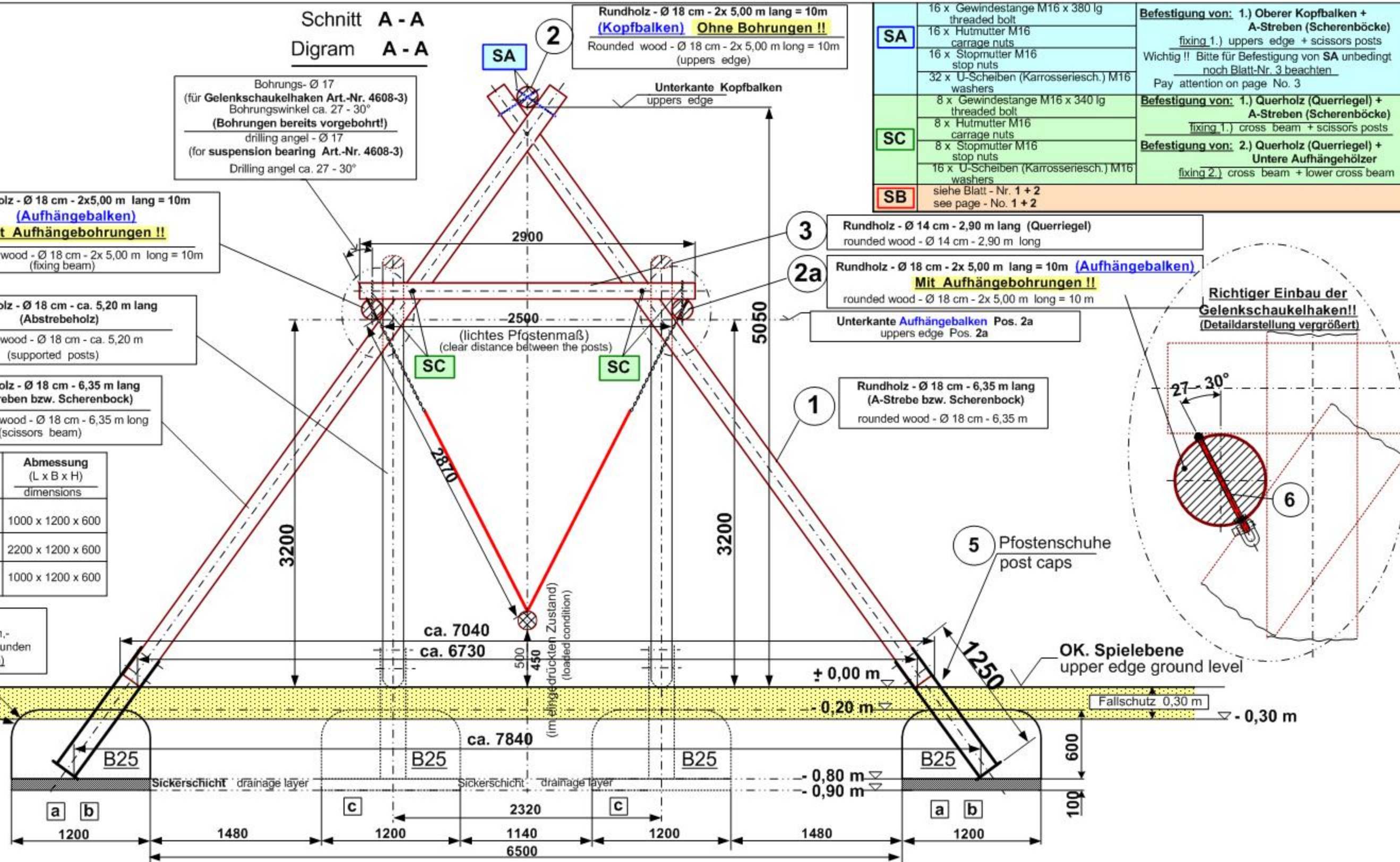
4 Rundholz - Ø 18 cm - ca. 5,20 m lang
(Abstrebeholz)
rounded wood - Ø 18 cm - ca. 5,20 m
(supported posts)

1 Rundholz - Ø 18 cm - 6,35 m lang
(A-Streben bzw. Scherenbock)
rounded wood - Ø 18 cm - 6,35 m long
(scissors beam)

Stck.	Fundament foundation	Abmessung (L x B x H) dimensions
4x	a	1000 x 1200 x 600
2x	b	2200 x 1200 x 600
4x	c	1000 x 1200 x 600

Wichtig !!
Betonkanten sind oben, - wie dargestellt, stark abzurunden (Mindestradius 10 cm)

Attention !!
The concreted edges have to be rounded ! (Radius of 10 cm)



Pos.	Stck.	Bezeichnung / Abmessung dimensions	Material
1	8	Rundholz - Ø 18 cm - 6,35 m lang rounded wood - Ø 18 cm - ca. 6,35 m	Kiefer / pine
2	2x (je 5m)	Kopfbalken/Rundholz - Ø 18 cm - 5,00 m lang Ohne Bohrungen !! rounded wood - Ø 18 cm - ca. 5,00 m	Kiefer / pine
2a	4x (je 5m)	Aufhängebalken/Rundholz - Ø 18 cm - 5,00 m lang Mit Aufhängebohrungen !! rounded wood - Ø 18 cm - ca. 5,00 m	Kiefer / pine
3	2	Rundholz - Ø 14 cm - 2,90 m lang rounded wood - Ø 14 cm - ca. 2,90 m	Kiefer / pine
4	4	Rundholz - Ø 18 cm - ca. 5,20 m lang rounded wood - Ø 18 cm - ca. 5,20 m	Kiefer / pine
5	12	Pfostenschuhe - 1,25 m lang post caps	St. verzinkt

Pos.	Stck.	Bezeichnung / Abmessung dimensions	DIN	Material
6	24	Gelenkschaukelhaken, 4608-3 Bolzen-Ø M16 x 200 lg		
SA	16 x	Gewindestange M16 x 380 lg / threaded bolt	975	
	16 x	Hutmutter M16 / carriage nuts	1587	
	16 x	Stopmutter M16 / stop nuts	985	
	32 x	U-Scheiben (Karrosseriesch.) M16 / washers		
SC	8 x	Gewindestange M16 x 340 lg / threaded bolt	975	
	8 x	Hutmutter M16 / carriage nuts	1587	
	8 x	Stopmutter M16 / stop nuts	985	
	16 x	U-Scheiben (Karrosseriesch.) M16 / washers		

Diese Zeichnung darf ohne unsere schriftliche Ermächtigung nicht verwendet, nicht vervielfältigt, auch nicht Dritten mitgeteilt oder zugänglich gemacht werden. Zuwiderhandlungen werden zivil- und strafrechtlich verfolgt und verpflichten zu Schadenersatz.

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Index	Änderung	Datum	Name
	Genaue Anzahl und Bezeichnung (Kopfbalken + Aufhängeholz) angegeben!!	02.06.04	PI
	mit O. Feigel geprüft	23.03.04	PI

HUCK		
Bearb.	Datum	Name
Gepr.	05.06.02	PI
Huck Seiltechnik GmbH Netz- und Seilspielgeräte Dillerberg 4 D-35614 Allar-Berghausen Postfach 1206 D-35608 Allar-Berghausen Telefon (06443) 8311-0, Telefax (06443) 8311-79		

Nicht maßstabsgetreu!!
Art.-Nr. 4585-10
Super-Tampen - Swinger (Schnitt A - A)
(Fundamentplan) Blatt - Nr. 1
page - No. 1

Schnitt B - B
Digram B - B

Bohrungs- Ø 17
(für Gelenkschaukelhaken Art.-Nr. 4608-3)
Bohrungswinkel ca. 27 - 30°
Drilling - Ø 17
(for suspension bearing, Art.-Nr. 4608-3)
drilling angel ca. 27 - 30°

Rundholz - Ø 18 cm - 2 x 5,00 m lang = 10m
(Kopfbalken)
Ohne Aufhängebohrungen !!
Rounded wood - Ø 18 cm - 2 x 5,00 m long = 10m
(Oberer Kopfbalken)

SA	16 x Gewindestange M16 x 380 lg threaded bold
	16 x Hutmutter M16 carriage nuts
	16 x Stopmutter M16 stop nuts
	32 x U-Scheiben (Karrosseriesch.) f. M16 washers
SB	8 x Gewindestange M16 x 380 lg threaded bold
	8 x Hutmutter M16 carriage nuts
	8 x Stopmutter M16 stop nuts
	16 x U-Scheiben (Karrosseriesch.) f. M16 washers
SC	siehe Blatt - Nr. 1 + 2
	see page - No. 1 + 2

Befestigung von: 1.) Oberer Kopfbalken + A-Streben (Scherenbock)	
fixing 1.) uppers edge + scissors posts	
Befestigung von: 2.) Untere Aufhängehölzer + A-Streben (Scherenbock)	
fixing 2.) lower cross beam + scissors posts	
Befestigung von: 1.) Abstrebeholz (4x 5,20m) an die A-Streben (Scherenböcke)	
fixing 1.) supported posts (4x 5,20 m) scissors posts	
Befestigung von: 2.) Untere Aufhängehölzer an die Abstrebehölzer	
fixing 2.) lower cross beam + supported posts	

2a Rundholz - Ø 18 cm - 2x 5,00 m lang = 10m
(Aufhängebalken)
Mit Aufhängebohrungen !!
rounded wood - Ø 18 cm - 2x 5,00 m long = 10m
fixing beam

4 Rundholz - Ø 18 cm - ca. 5,20 m lang
Abstrebeholz
rounded wood - Ø 18 cm - ca. 5,20 m long
supported posts

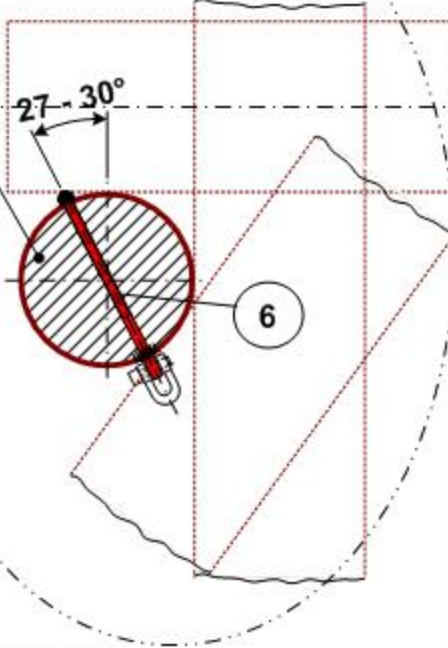
1 Rundholz - Ø 18 cm - 6,35 m lang
A-Streben bzw. Scherenbock
rounded wood - Ø 18 cm - 6,35 m long
scissors posts

2a Rundholz - Ø 18 cm - 2x 5,00 m lang = 10m
(Aufhängebalken)
Mit Aufhängebohrungen !!
rounded wood - Ø 18 cm - 2x 5,00 m long = 10m

Unterkannte Aufhängebalken Pos. 2a
uppers edge Pos. 2a

1 Rundholz - Ø 18 cm - 6,35 m lang
(A-Streben bzw. Scherenbock)
rounded wood - Ø 18 cm - 6,35 m long = 10m

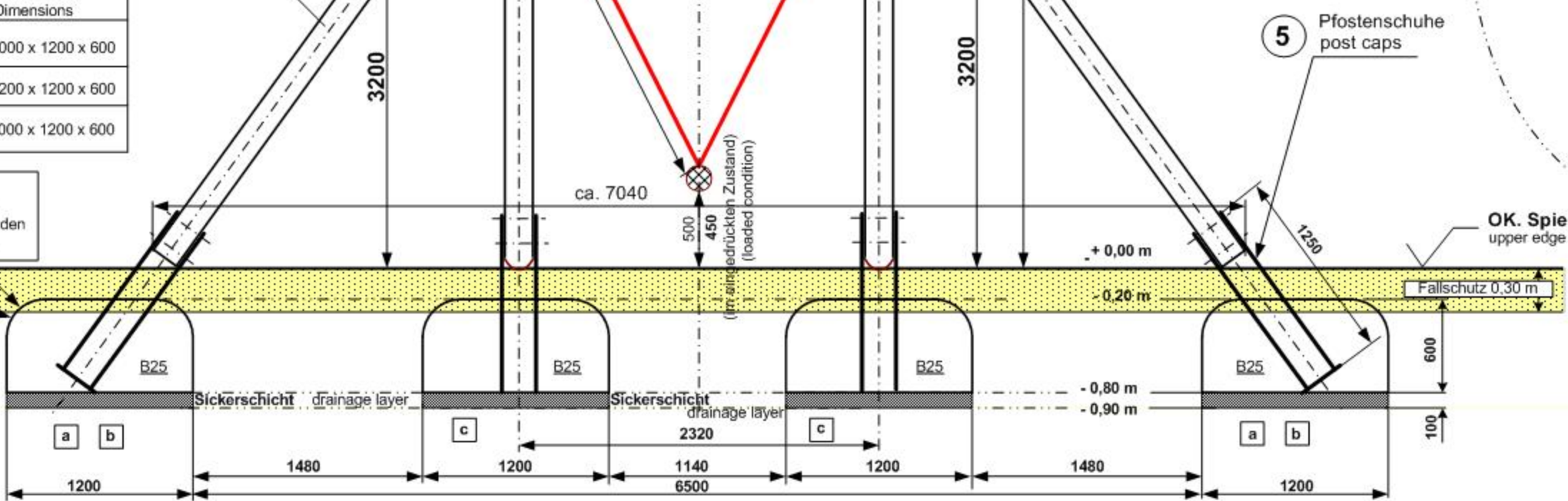
Richtiger Einbau der Gelenkschaukelhaken!!
(Detaildarstellung vergrößert)



Stck.	Fundament Foundation	Abmessung (L x B x H) Dimensions
4x	a	1000 x 1200 x 600
2x	b	2200 x 1200 x 600
4x	c	1000 x 1200 x 600

Wichtig !!
Betonkanten sind oben, wie dargestellt, stark abzurunden (Mindestradius 10 cm)

Attention !!
The concreted edges have to be rounded ! (Radius of 10 cm)



OK. Spielebene
upper edge ground level

Pos	Stck.	Bezeichnung / Abmessung dimensions	Material
1	8	Rundholz - Ø 18 cm - 6,35 m lang Rounded wood - Ø 18 cm - 6,35 m long	Kiefer / pine
2	2x (je 5m)	Kopfbalken/Rundholz - Ø 18 cm - 5,00 m lang Ohne Aufhängebohrungen !! Rounded wood - Ø 18 cm - 5,00 m long	Kiefer / pine
2a	4x (je 5m)	Aufhängebalken/Rundholz - Ø 18 cm - 5,00 m lang Mit Aufhängebohrungen !! Rounded wood - Ø 18 cm - 5,00 m long	Kiefer / pine
3	2	Rundholz - Ø 14 cm - 2,90 m lang Rounded wood - Ø 14 cm - 2,90 m long	Kiefer / pine
4	4	Rundholz - Ø 18 cm - ca. 5,20 m lang Rounded wood - Ø 18 cm - 5,20 m long	Kiefer / pine
5	12	Pfostenschuhe - 1,25 m lang post caps	St. verzinkt

Pos	Stck.	Bezeichnung / Abmessung dimensions	DIN	Material
6	24	Gelenkschaukelhaken 4608-3 / suspension bearing Bolzen-Ø M16 x 200 lg / bolt - Ø M16 x 200lg		
SA	16 x	Gewindestange M16 x 380 lg / threaded bold	975	
	16 x	Hutmutter M16 / carriage nuts	1587	
	16 x	Stopmutter M16 / stop nuts	985	
	32 x	U-Scheiben (Karrosseriesch.) f. M16 / washers		
SB	16 x	Gewindestange M16 x 380 lg / threaded bold	975	
	16 x	Hutmutter M16 / carriage nuts	1587	
	16 x	Stopmutter M16 / stop nuts	985	
	32 x	U-Scheiben (Karrosseriesch.) f. M16 / washers		

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Nicht maßstabsgetreu!!

Art.-Nr. 4585-10

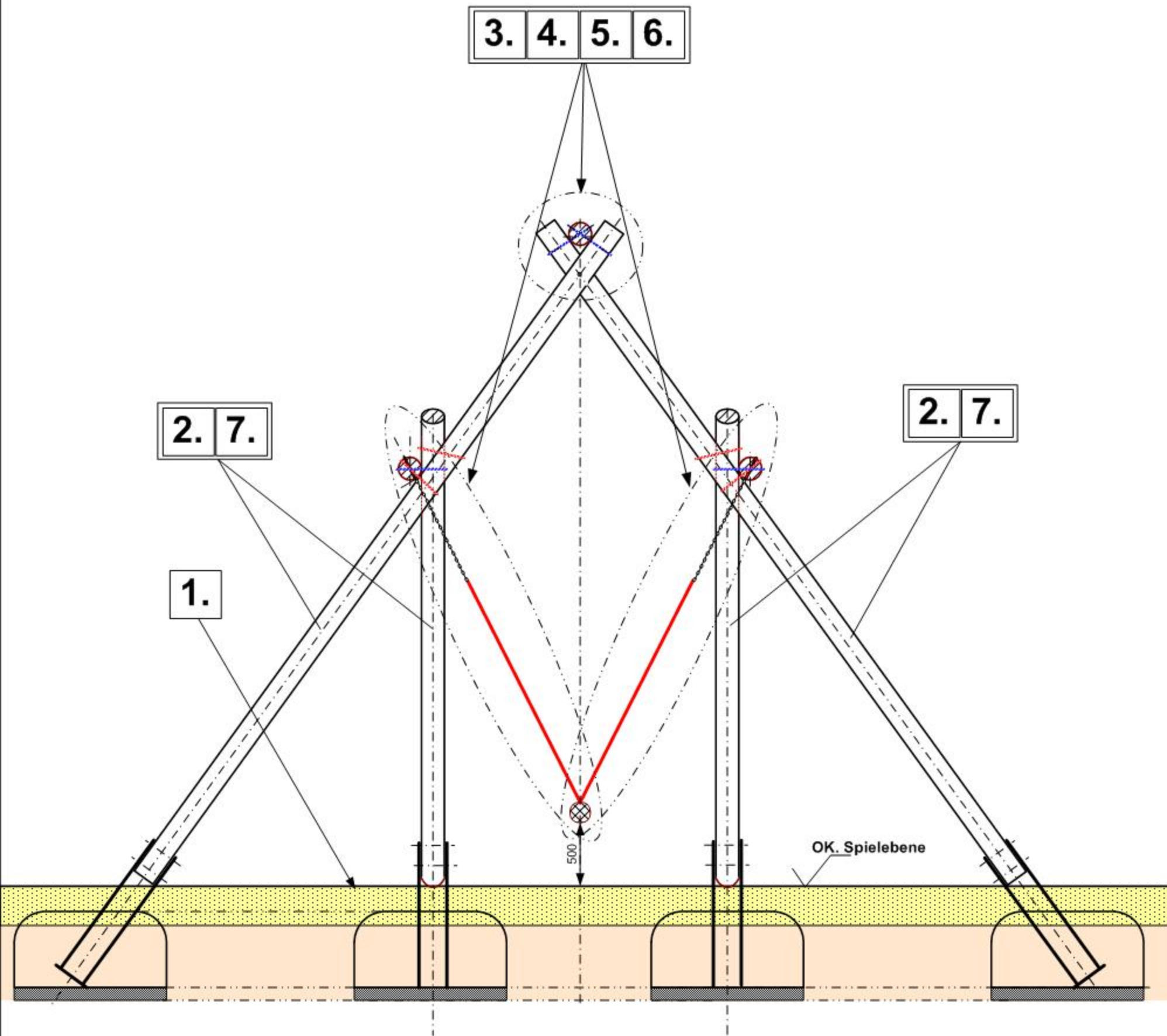
Super- Tampen - Swinger
(Schnitt B - B)

(Fundamentplan)
(foundation - plan)

Blatt - Nr. 3
page - No. 3

Bearb.	Datum	Name
	04.06.02	PF
Huck Seiltechnik GmbH Netz- und Seilsportgeräte Dillerberg 4 D-35614 Aßlar-Berghausen Postfach 1206 D-35608 Aßlar-Berghausen Telefon (06443) 8311-0, Telefax (06443) 83 11-79		

Index	Änderung	Datum	Name
		02.06.04	
		23.03.04	

Regelmäßige Wartungsarbeiten**Vorderansicht****Super-Tampen-Swinger-MAXI, Art.-Nr. 4585-10**

GENERAL TIPS FOR MAINTENANCE

Wood as a construction material is a problem for valuation because it is a vividness material. As we know from experience you cannot prevent children from running in splinters and you do not have to. But by the splinting of beams, children can get hurt badly.

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 cable 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 stuck with their 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 fill up rips with elastic material. Otherwise the water, which got in, cannot dry out and you got a rotting danger.

Tips for maintenance

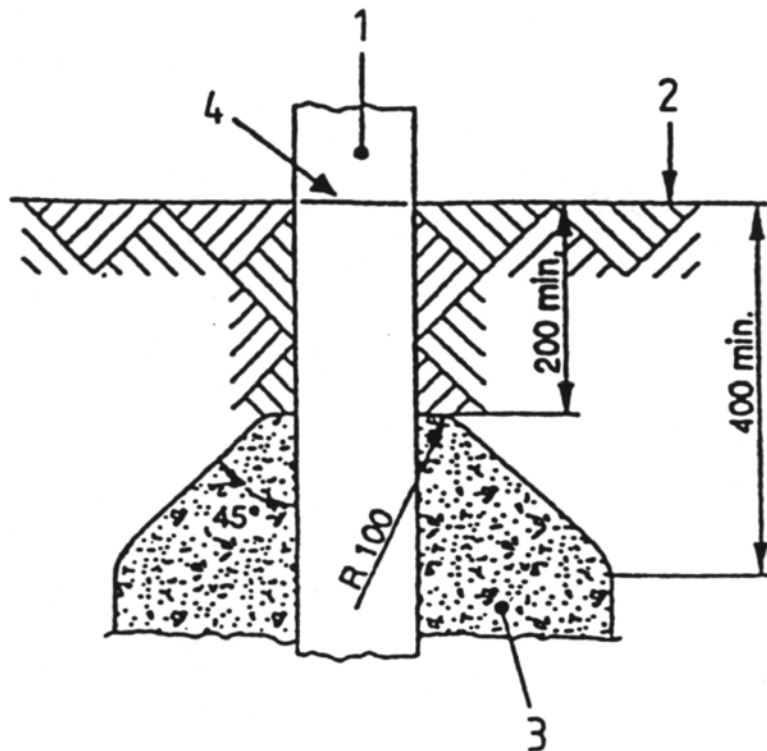
The play equipment is maintenance free. Inspect regularly the wood of ribs. Is any damage on ribs, you can replace it without any difficulties.

We would like to point out that you have to maintain 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 – 68/81



- 1.Post
- 2.Playing surface
- 3.Top of foundation
- 4.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 important that you skew the top of foundation to prevent accumulation of water (rotteness danger).

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: _____

Maintenance Record

Day of Inspection	Inspector's Name	Equipment is			Faults	Faults rectified by	Date
		OK	Useable	Out of order			

Periodic Maintenance Instructions

Douglas swing frame Art.-No. 4585-10

w = weekly m = monthly y = yearly

w m 1/4y 1/2y

1. Check the area where persons using the equipment might fall or slip for hard objects or foundations which have worn free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Check stability of the uprights.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Check all connection components and fittings for wear and see that they fit firmly; tighten up if necessary. Exchange damaged parts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Check moving metal parts for easy movement and wear; exchange if necessary. There is no need to lubricate joints since only maintenance-free joints are used.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Check all attachments, such as chains, ropes, nets, etc. for damage and renew if necessary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Check rubber parts, sleeves, etc. for wear or damage and exchange if necessary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Check the surface quality of plastic and metal components for damage and exchange if necessary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Check the surface quality of wooden parts for damage caused by weathering or other external factors and rectify, exchanging if necessary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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.

General: Any item of play equipment which is regularly checked cannot become so damaged as to be dangerous. This presumes, of course, that regular checks are followed, where necessary, by repair work.

Servicetip for the treatment of Oak-Wood

Dear Customer,

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

- 1.Never build in the woods in concrete complete. Always see them on a drainage bed of gravel and then build them in with concrete.
- 2.The upper edge of the foundation always has to be camfered to the outside, so the water can always get out.
- 3.Treat all the woods again with the translucent from the bottom end of the build in end.
Paint against the grain to infiltrate natural cracks very good, which could appear after the first paint. This way you can avoid the penetration of dampness. You don't have to dry the woods before build them in.
- 4.You can reach accessory protection if you fix a streak of coarse grained roofing paper according to the covering height 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.
- 5.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 until the paint is dry.

- 6.For all small charge we put a disposal of a boring - measuring instrument, which makes damage visible with a drag - measuring 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.