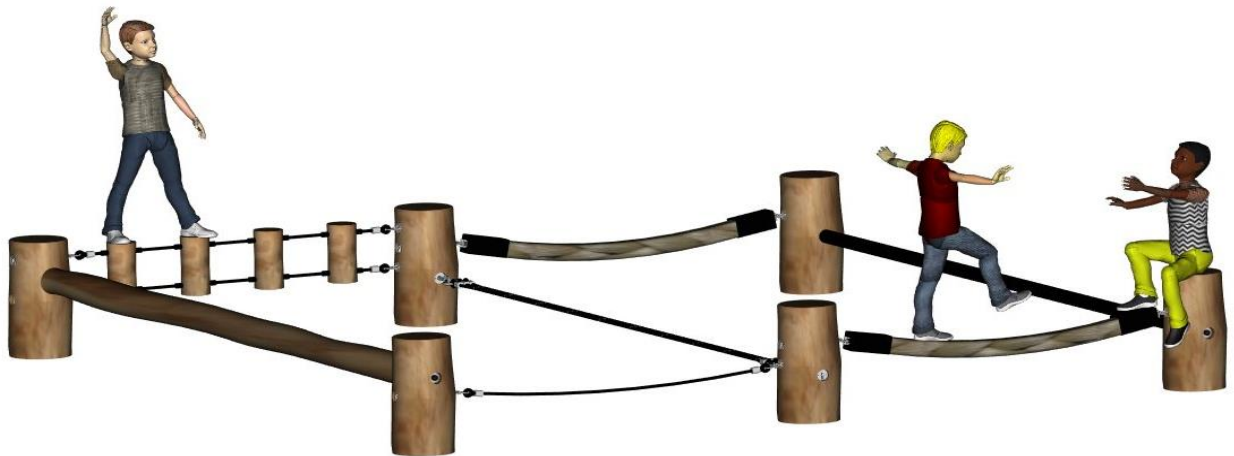


A Assembly Instructions

Meeting-Point with Robinia Posts

Art. No. 20.02.134



Operator: _____

Location: _____

Revision history

Revision 0 - 2015-02-23

The first allowed version JS

Assembly Instructions

Revision 1 2023-01-12 ZM

All rights reserved

© Copyright 2015 Huck Seiltechnik GmbH

**Please note the explanations and abbreviations and notes.
For any queries please contact the manufacturer**

Contents

A	Assembly Instructions Meeting-Point with Robinia Posts Art. No. 20.02.134	1
1	Introduction Assembling	4
2	Datasheet Meeting-Point with Robinia Posts Art.-No. 20.02.134	5
3	Delivery contents (parts list with part numbers)	11
4	Erection instructions	14
5	Post installation checks	25
B	Maintenance instructions Meeting-Point with Robinia Posts Art.-No. 20.02.134....	27
6	Introduction Maintenance.....	29
7	General maintenance information	30
8	Maintenance timetable.....	32
9	Regular maintenance.....	33
10	Regular maintenance.....	34
11	Monthly maintenance	34
12	Quarterly maintenance	34
13	Half yearly maintenance	35
14	Annual maintenance.....	35
15	Maintenance printout.....	37
16	Hand over document	39

List of Tables

Tabelle 3-1: Delivery contents, in words	11
Tabelle 3-2: Delivery contents, in symbols	12

1 Introduction Assembling

1.1 General information

This equipment should be installed, inspected, maintained and operated in accordance with EN1176-7 guidelines.

Before installation work commences, please check that you have all of the equipment and fixation components in the parts list provided (see Tables 3-1 and 3-2).

Please consider that the installation has to be carried out only on even terrain (max.slope up to 3%).

Any spare parts that may be required can be obtained directly from your supplier or from Fa. Huck Seiltechnik GmbH

Adress: Huck Seiltechnik GmbH
 Dillerberg 3
 D-35614 Asslar/Berghausen
 Tel. +49 6443 83 11-0
 Fax +49 6443 83 11-79

Please do not hesitate to call your supplier if you have any problems during installation or with any other questions. You can reach us at the following **Tel. +49 6443 83 11-0.**



Following installation, complete assembly instructions, maintenance instructions and a maintenance record must be sent to the operator who must confirm receipt in writing. See the last page of this document.



All nuts and bolts are hot-dip galvanised or stainless steel.
One of the characteristics of stainless steel is that uncontrolled cold welding may occur when the nuts are tightened. To prevent this, it is necessary to spray the nuts and bolts with Teflon spray or another similar lubricant.

We hereby confirm that this play equipment has been tested and certified in accordance with the play equipment standard EN 1176-1.

2 Datasheet Meeting-Point with Robinia Posts Art.-No. 20.02.134

1. Component zone: Standard 4,30 m x 4,30 m
Impact area: 7.10 m x 7.10 m
Total ground height: 0.60
2. Free height of fall > 0.60 m
3. Required safety surface:

Surface material	Description mm	Minimum thickness of layer mm	Maximum height of fall mm
Topsoil grass			<= 1000
Chipped bark	20 – 80 grain size	300 400	<= 2000 <= 3000
Wood chippings	5 – 30 grain size	300 400	<= 2000 <= 3000
Sand	0,2 – 2 grain size	300 400	<= 2000 <= 3000
Gravel	2 – 8 grain size	300 400	<= 2000 <= 3000
Other ground materials	As recommended by manufacturer		Critical fall height as checked

Name and overall dimension of the largest component:

Robinia Posts (6 pieces) length 1.40 m, Ø ~300 mm (~100 kg) per post!

Name and weight of the heaviest component:

6 Robinia Posts, ~ 600 kg

Intended age group: 3 years and over



Attention

Please note that this equipment is set in concrete.

Concrete: C25/30

Required concrete: 0.35 m³

Foundations/area to be excavated:

excavated (All foundations must be brought to equal level!)

6 x 1.00 m long x 1.00 m wide, total depth 0.60 m

6 x 1.00 m long x 1.00 m wide, total depth 0.70 m including 10 cm drainage

Foundation edges must be rounded off (min.R = 100 mm)!

Sizes of foundations are designed for soils class "4-5" (natural ground).

Soil class 3: Non-cohesive to low-cohesive plasticity, sand, gravel and sand-gravel-mixtures, with very low portion of stones portion of stones (portion > 30% with bigger dia-meter of 63 mm grain size)

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: 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 DIMENSIONS OF FOUNDATIONS HAVE TO BE ENLARGED FOR ABOUT 50%!.



Attention

Assembly time, once foundations complete: 2 hours.

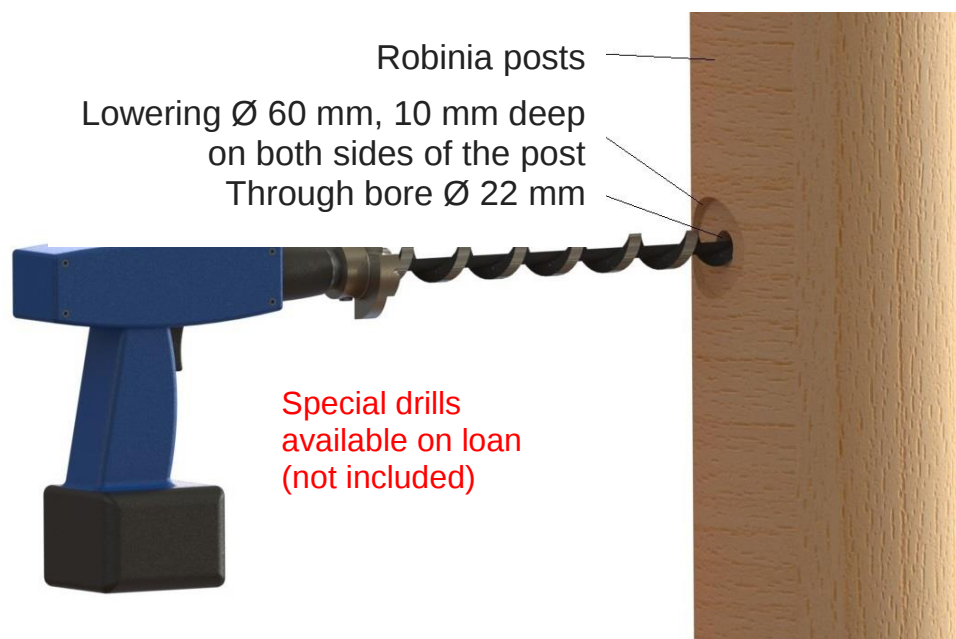
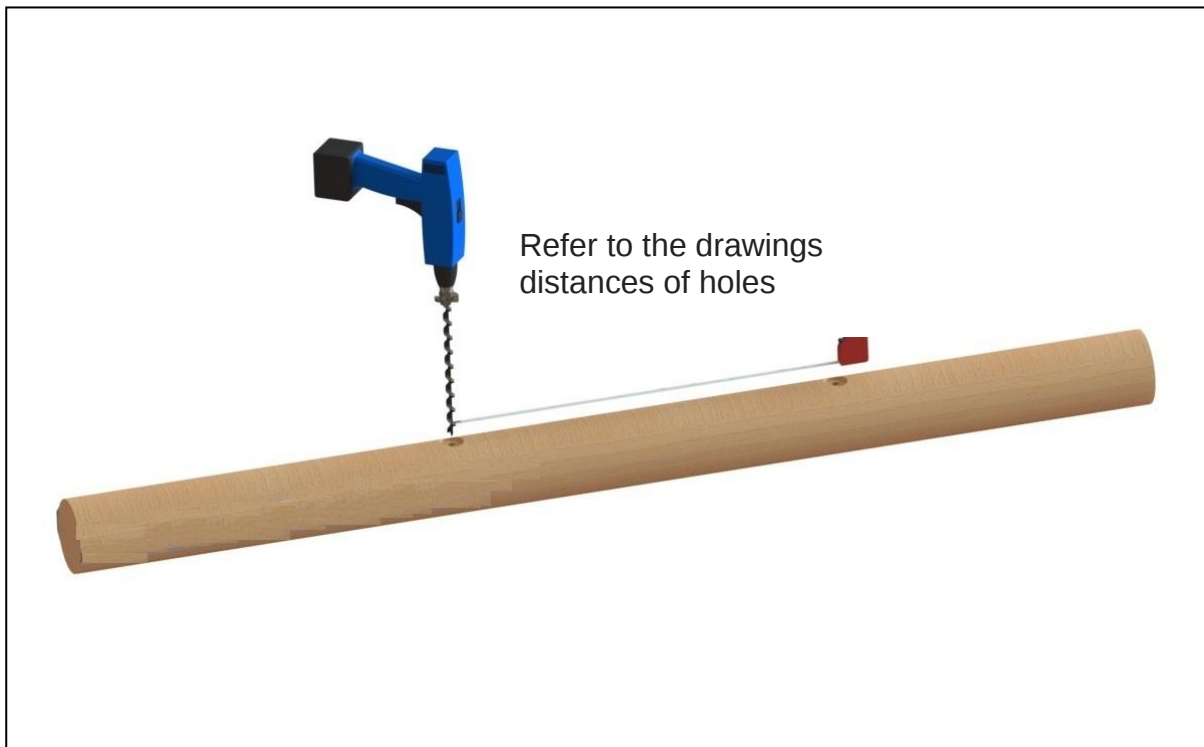
Required assistance: 2 persons.

Required tools: wheel excavator, spirit level, bolt cutter, screwdriver

Any spare parts which may be required can be obtained directly from your supplier or from Fa.Huck Seiltechnik GmbH

Adress: Huck Seiltechnik GmbH
Dillerberg 3
D-35614 Asslar/Berghausen
Tel. +49 6443 8311-0
Fax +49 6443 8311-79

We hereby confirm that this item of play equipment has been tested and certified in accordance with the play equipment standard EN 1176-1.



Chain to be fixed on the Robinia post!!!

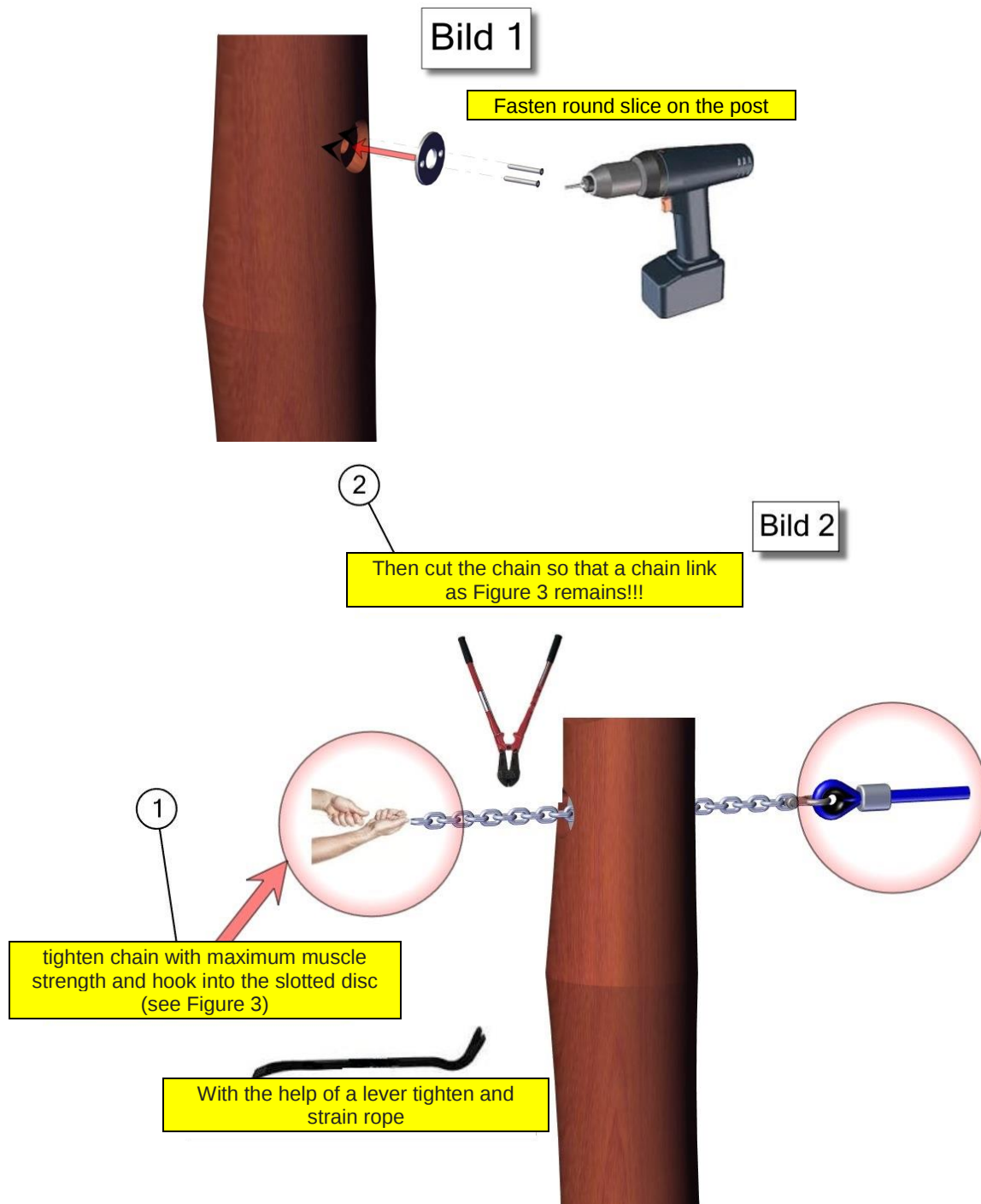


Bild 3

Before the chain is cut,
hook the vertically chain link
into the slotted disc

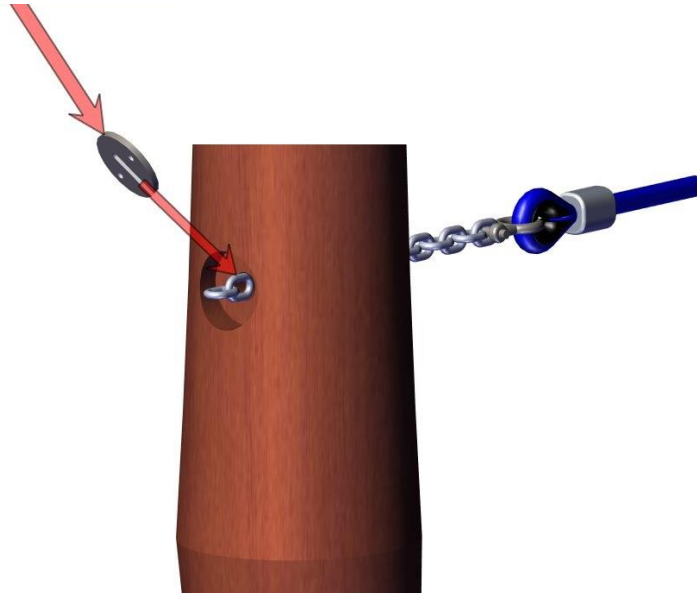
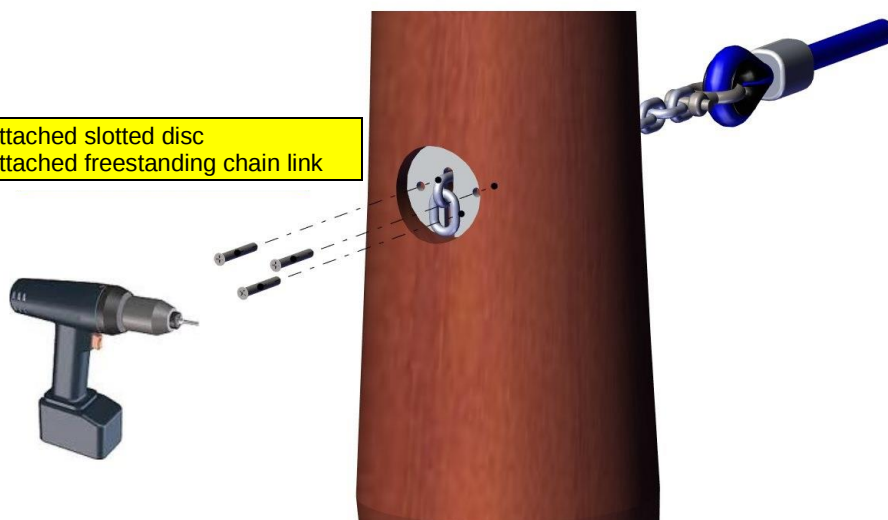


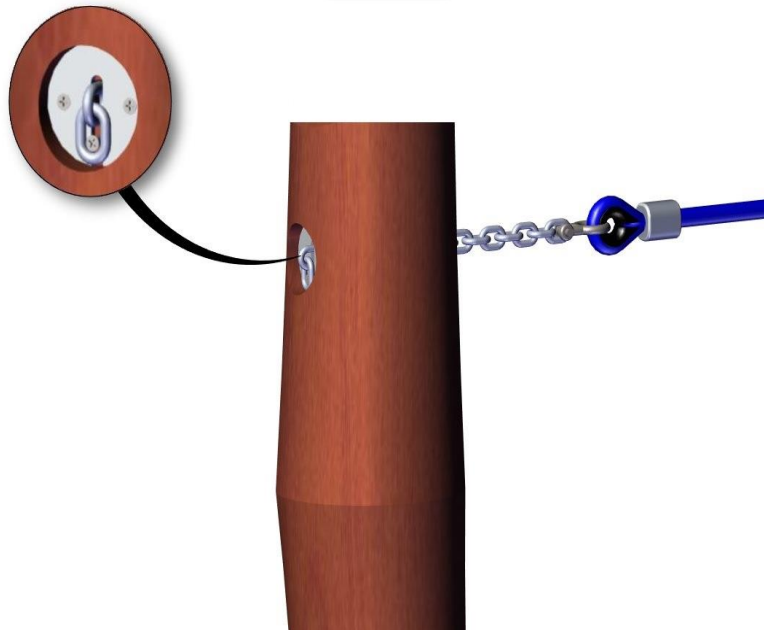
Bild 4

First attached slotted disc
then attached freestanding chain link

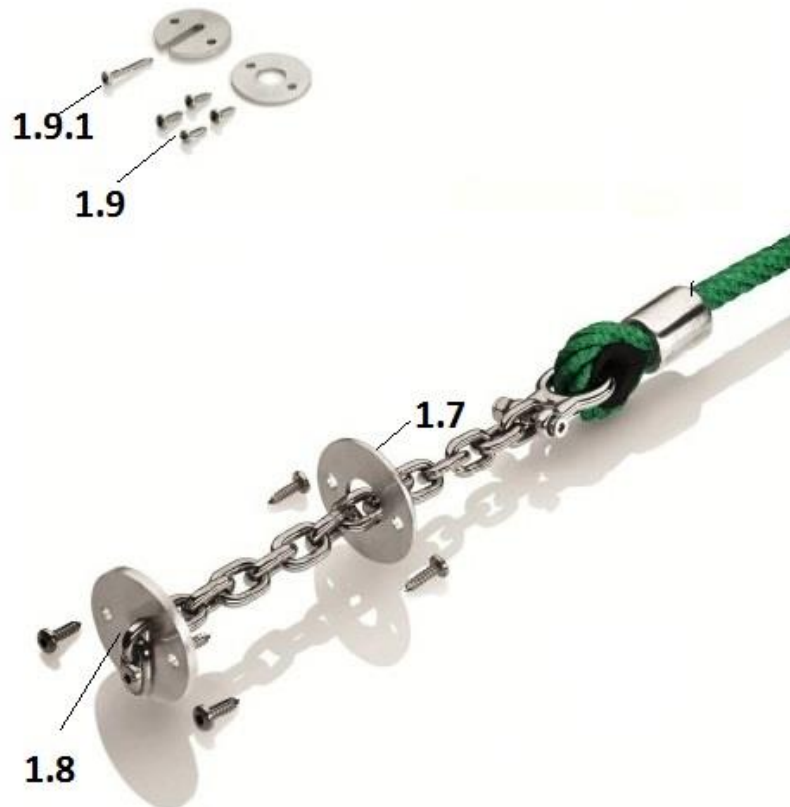


Finished mounting
on Robinia post

Bild 5



Details – fixing to Robinia posts



Drawings / Views

All optical drawings are showing only the measurements/dimensions and are no mandatory technical views of the complete item.

We reserve the right to change technical details of our articles which are serving for the further development of our articles and are reasonable for the customer.

Measurement tolerances

Because of the properties and characteristics of the components, minor measurement tolerances compared to the indication on the sketches are possible.

This concerns all shown measurements except the foundation measurements resp. measurements below upper edge ground level/play area.

3 Delivery contents (parts list with part numbers)

3.1. In words

Table 3-1: Delivery contents, in words

Pos.	Quantity	Element / Description	Size	O.K.	Missing
1.1	2	4 sided PP bollard rope	L=1.60 m Ø 90 mm		
1.2	1	Wood-rope path	L=1.60 m		
1.3	1	Ø18er Balancing rope	L=1.60 m		
1.4	1	Slackline	L=1.60 m		
1.5	1	Robinia post	L=3.80 m		
1.6	1	Traverse	L=4.0 m		
1.7	12	Perforated discs	outside Ø 60 mm VA inside Ø 22 mm VA		
1.8	12	Slotted discs	outside Ø 60mm		
1.9	48	Oval head screws	5.5 x 19 mm VA		
1.9.1	12	Oval head screws	5.5 x 42 mm VA		
1.9.2	2	Threaded bolt	M16 x 180 mm VA		
1.9.3	2	Stop nut	M16 VA		
1.9.4	2	Washer	outside Ø 50mm VA f. M16		
1.9.5	2	Post Caps	M16		
2	6	Robinia bollards	L=1.40 m Ø approx. 300 mm		

3.2. In symbols

Table 3-2: Delivery contents, in symbols

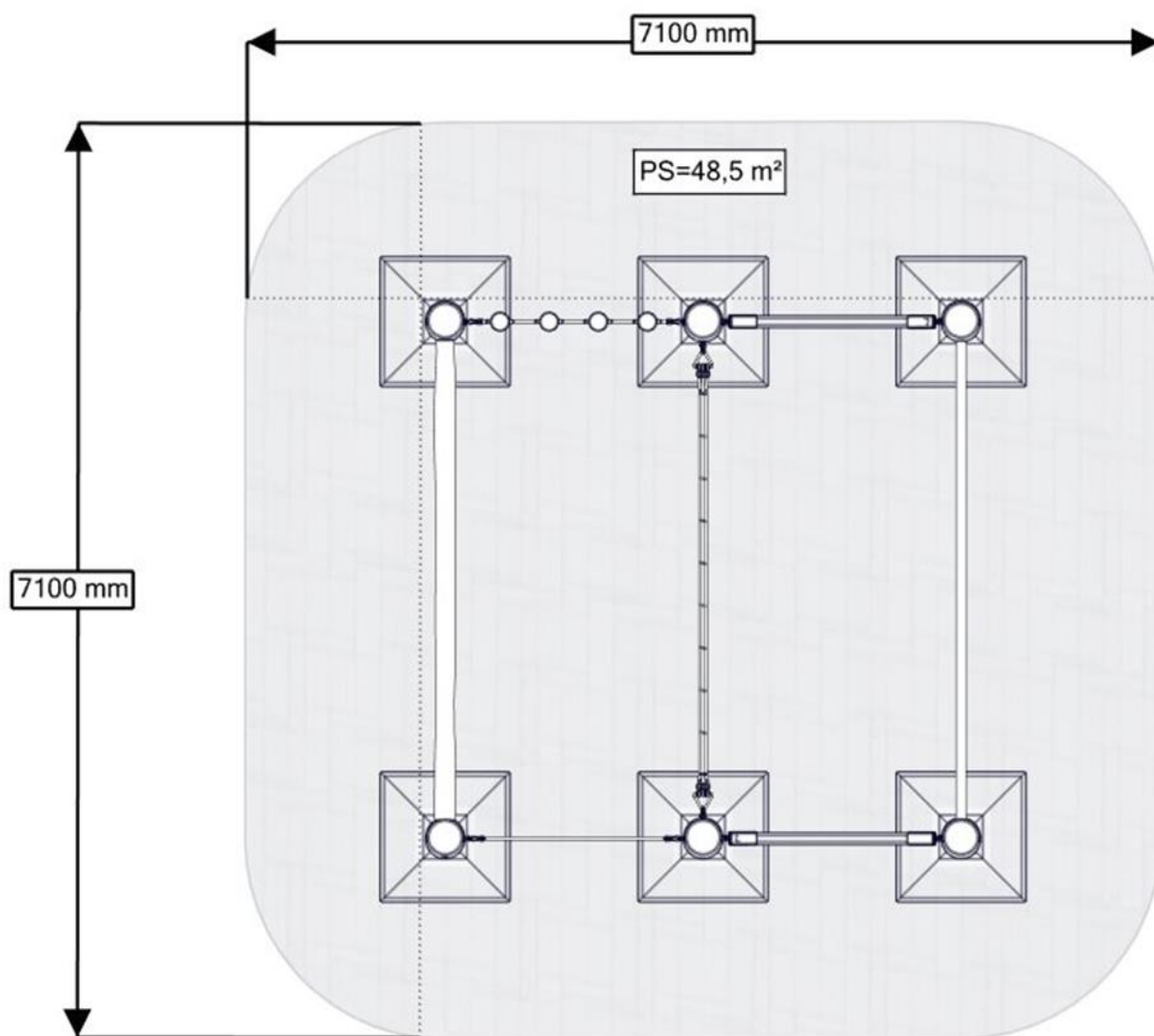
Pos.	Quantity	Symbol	Size
1.1	2	4 sided PP bollard rope 	L=1.60 m Ø 0,9m
1.2	1	Wood-rope path 	L=1.60 m
1.3	1	Ø18er Balancing rope 	L=1.60m
1.4	1	Slackline 	L=3.60m
1.5	1	Robinia post 	L= approx. 3.80m Ø= approx. 13cm
1.6	1	Traverse 	L=3.90m
1.7	12	Perforated discs 	outside Ø 60 mm VA inside Ø 22 mm
1.8	12	Slotted discs 	outside Ø 60mm VA
1.9	48	Oval head screws 	5.5 x 19 mm VA
1.9.1	12	Oval head screws 	5.5 x 42 mm VA

Table 3-2: Delivery contents, in symbols

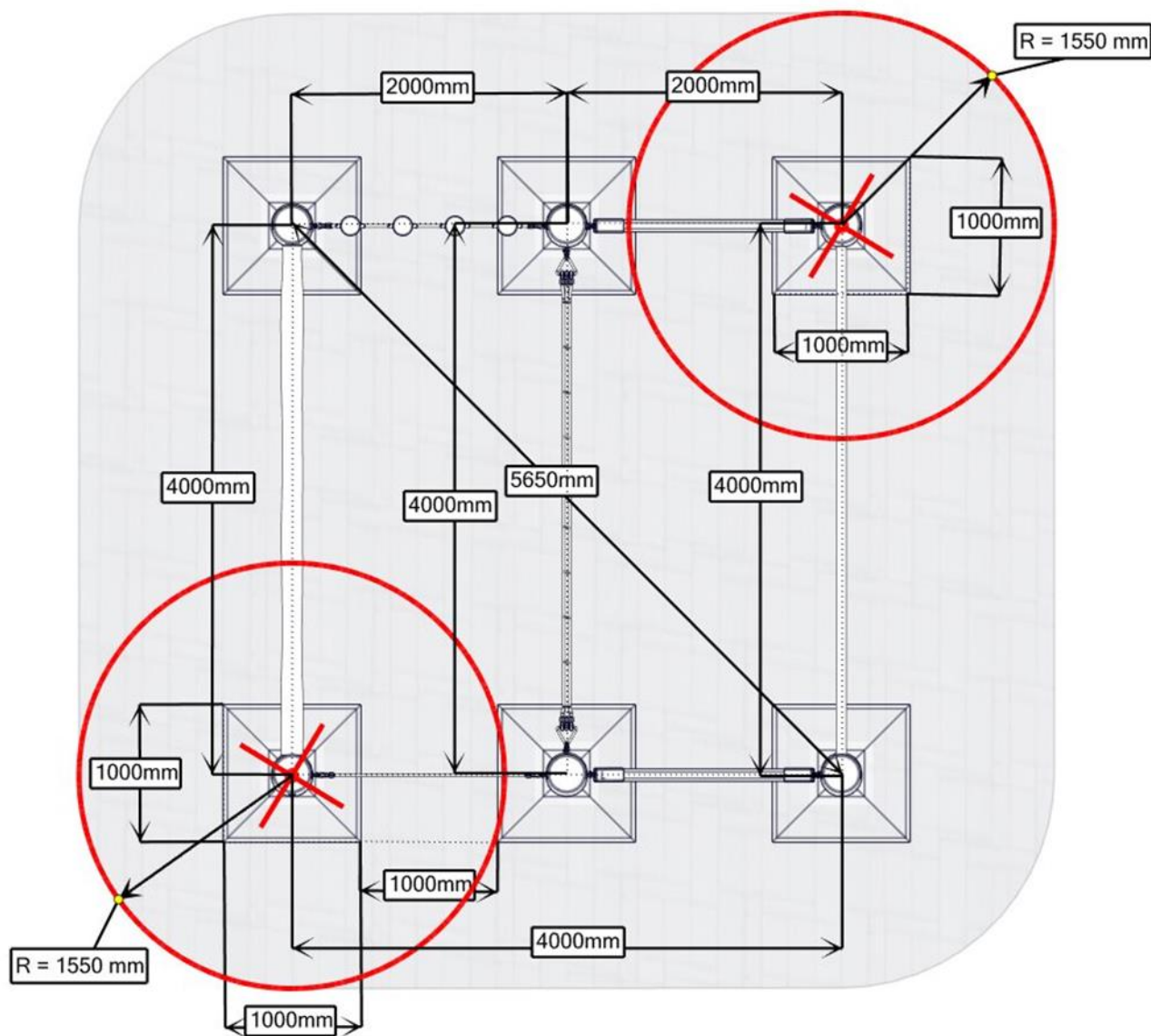
Pos.	Quantity	Symbol	Size
1.9.3	2	Stop nut 	M16 VA
1.9.4	2	Washer 	outside Ø 50 mm f.M16
1.9.5	2	Post Caps 	M16
2	6	Robinia-bollards 	L= 1,40 m Ø approx. 300 mm

4 Erection instructions

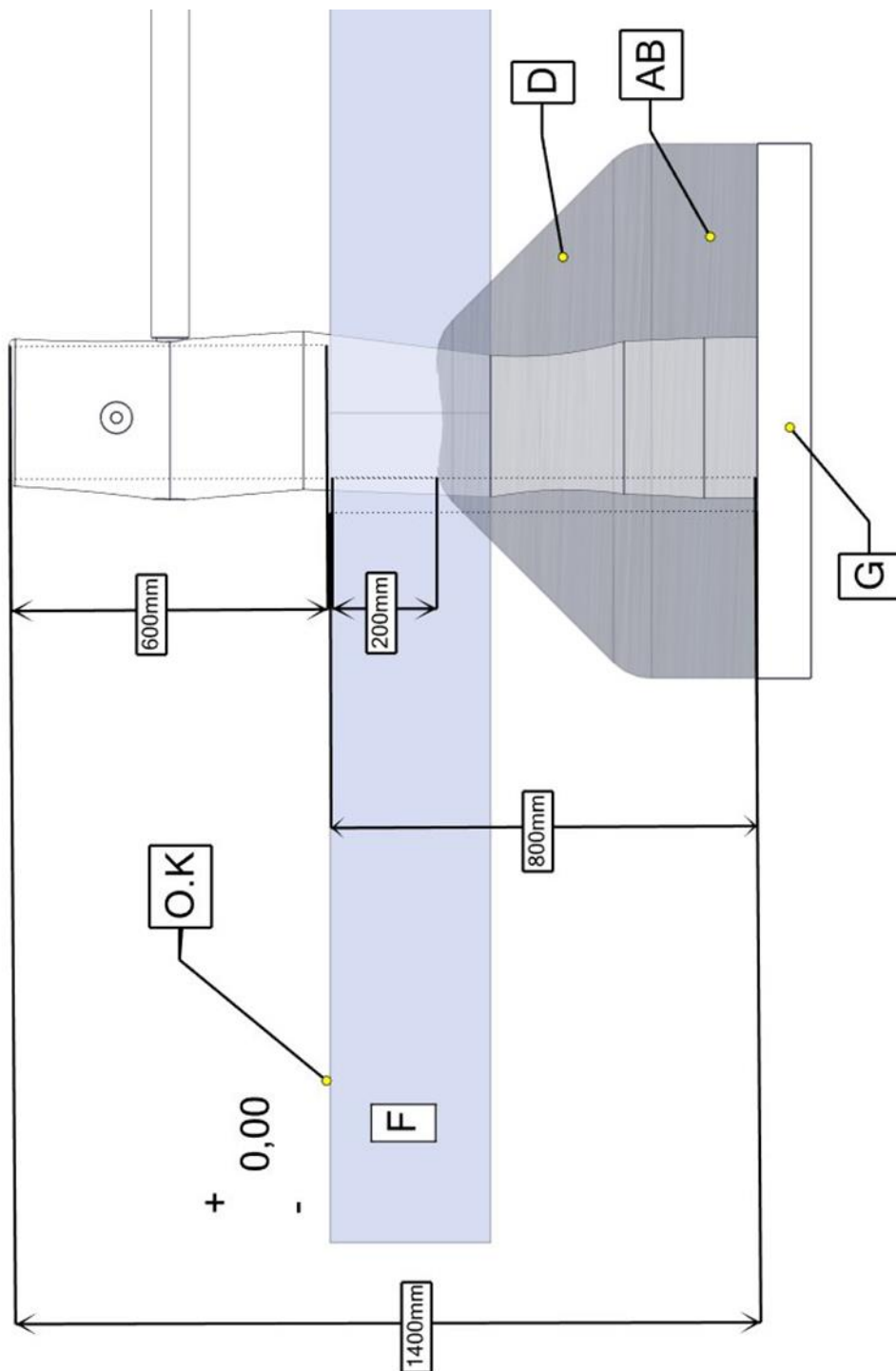
Impact area



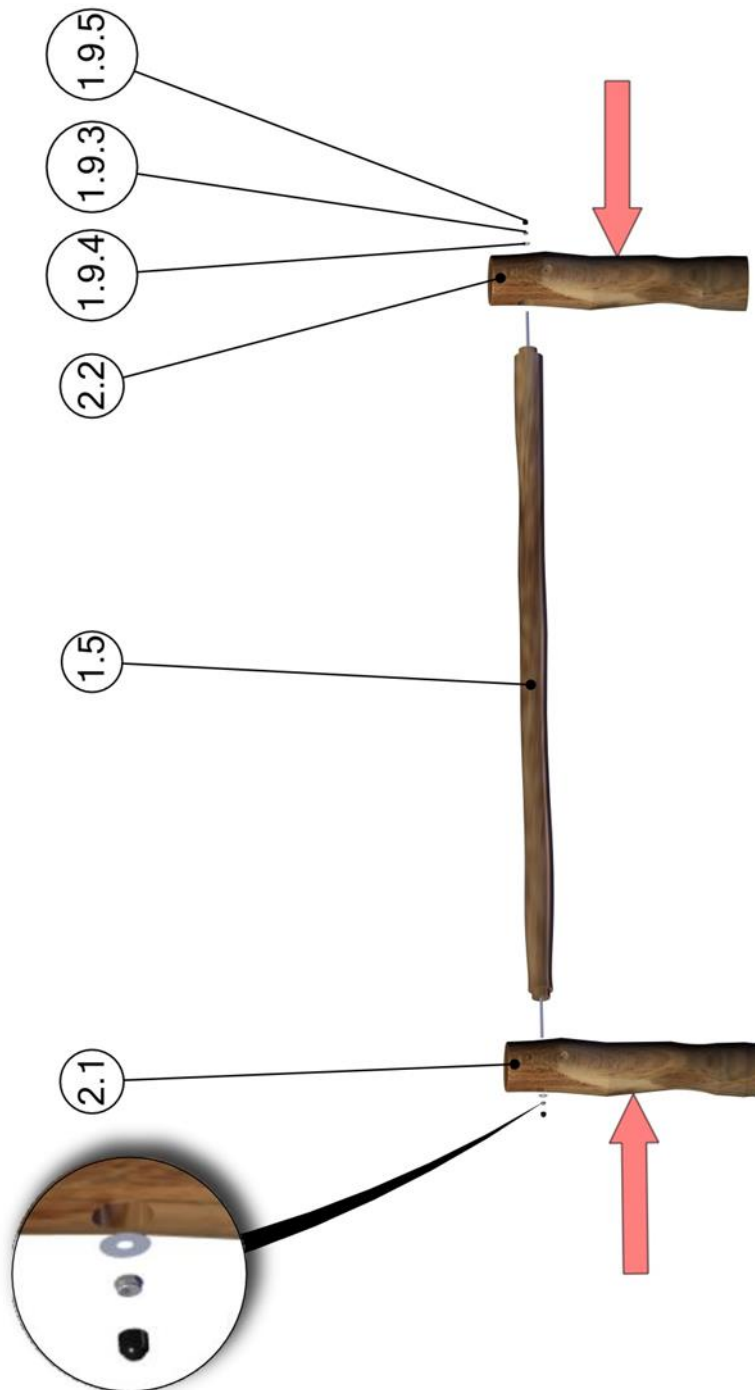
5. Foundation plan



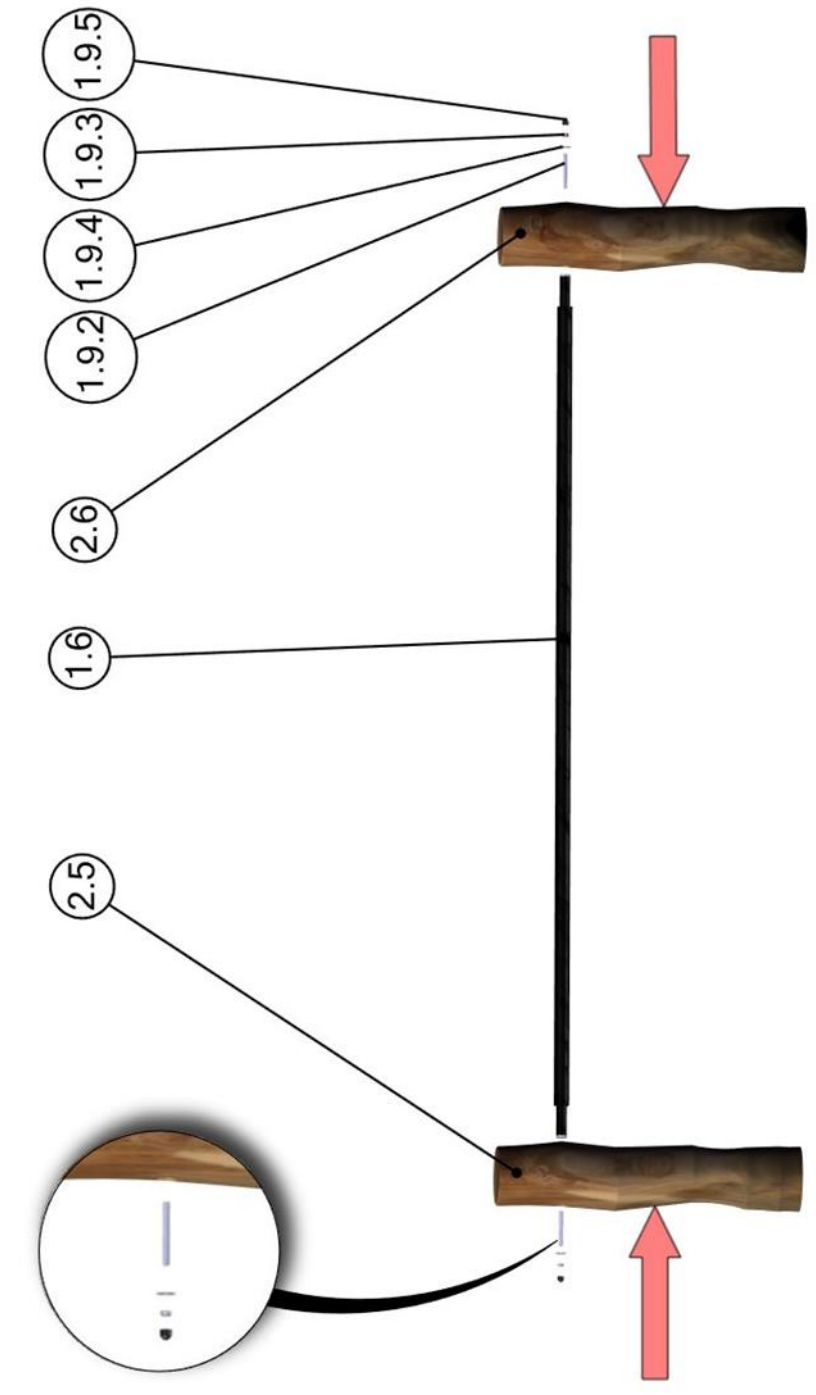
6. Installation depth – Robinia bollards



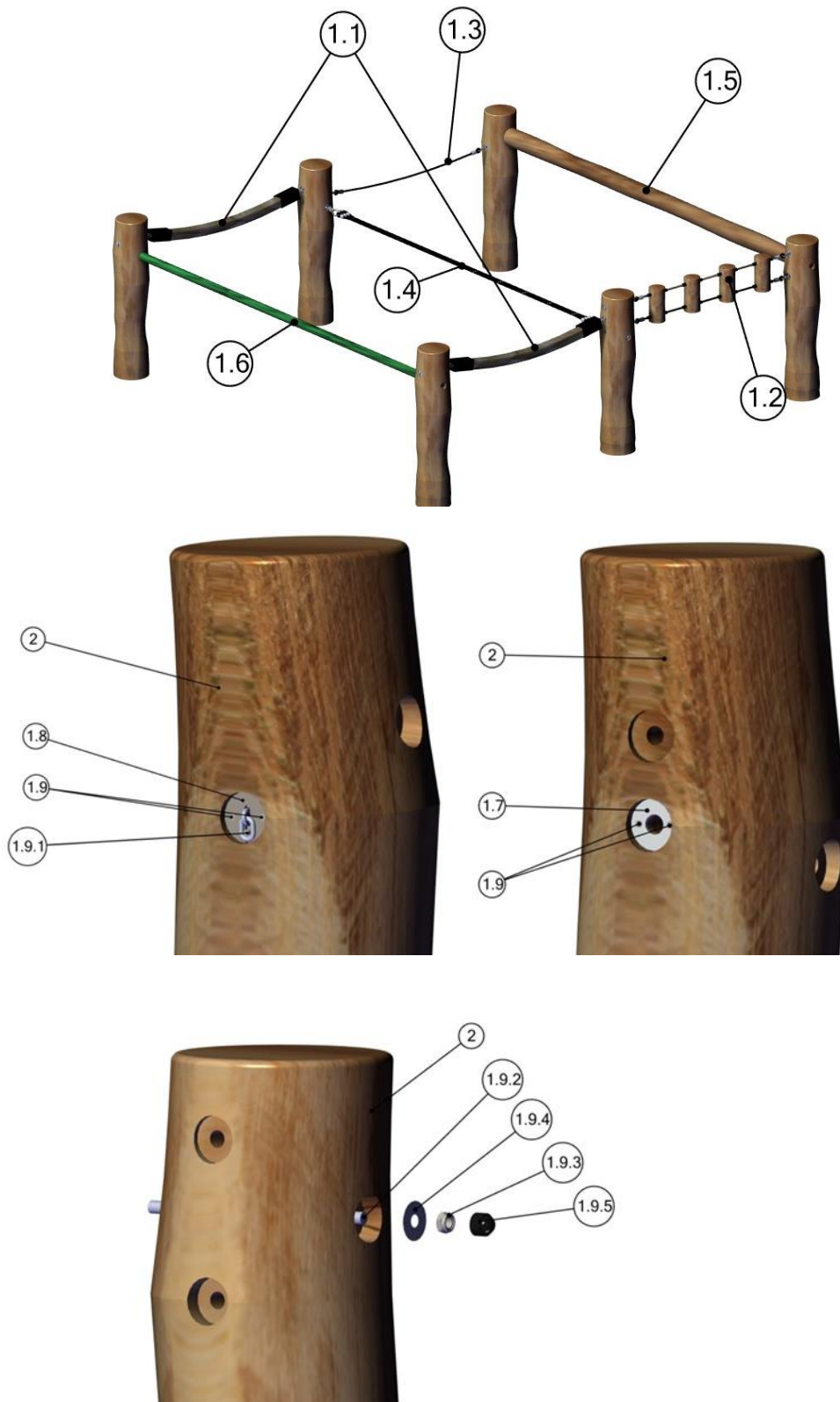
7. Fixing Robinia posts



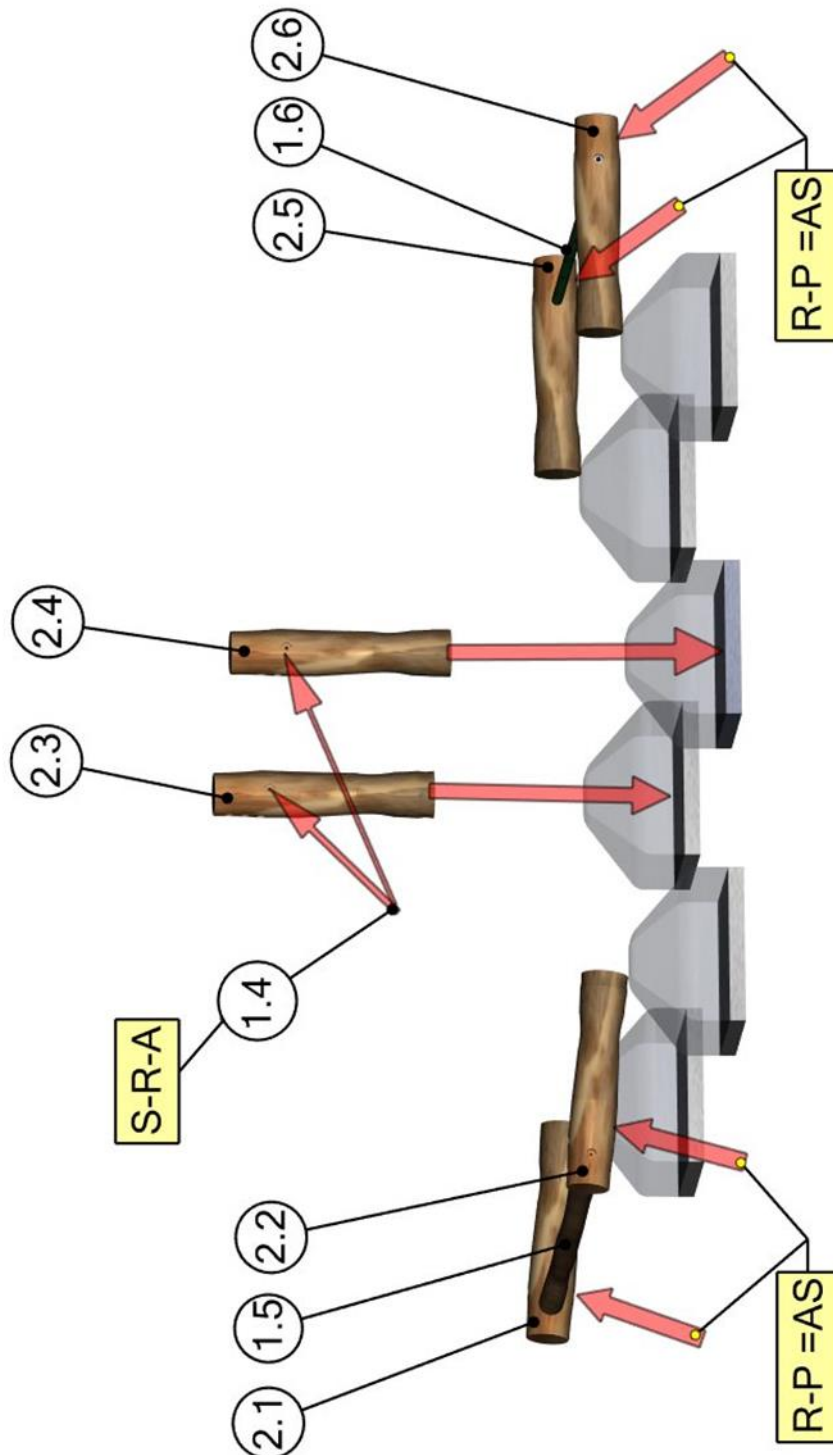
8. Fixing Traverse



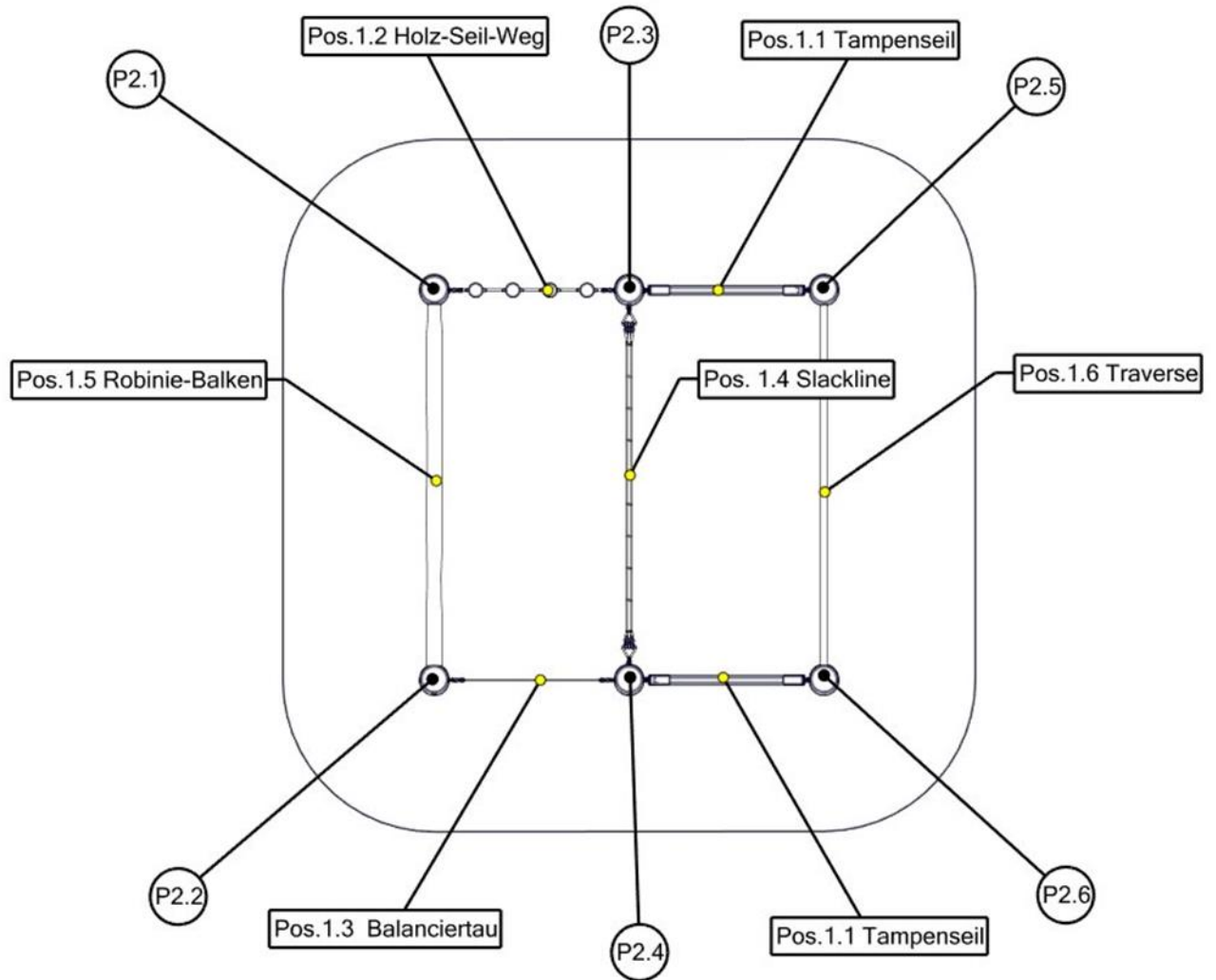
9. Respect the positioning of the elements



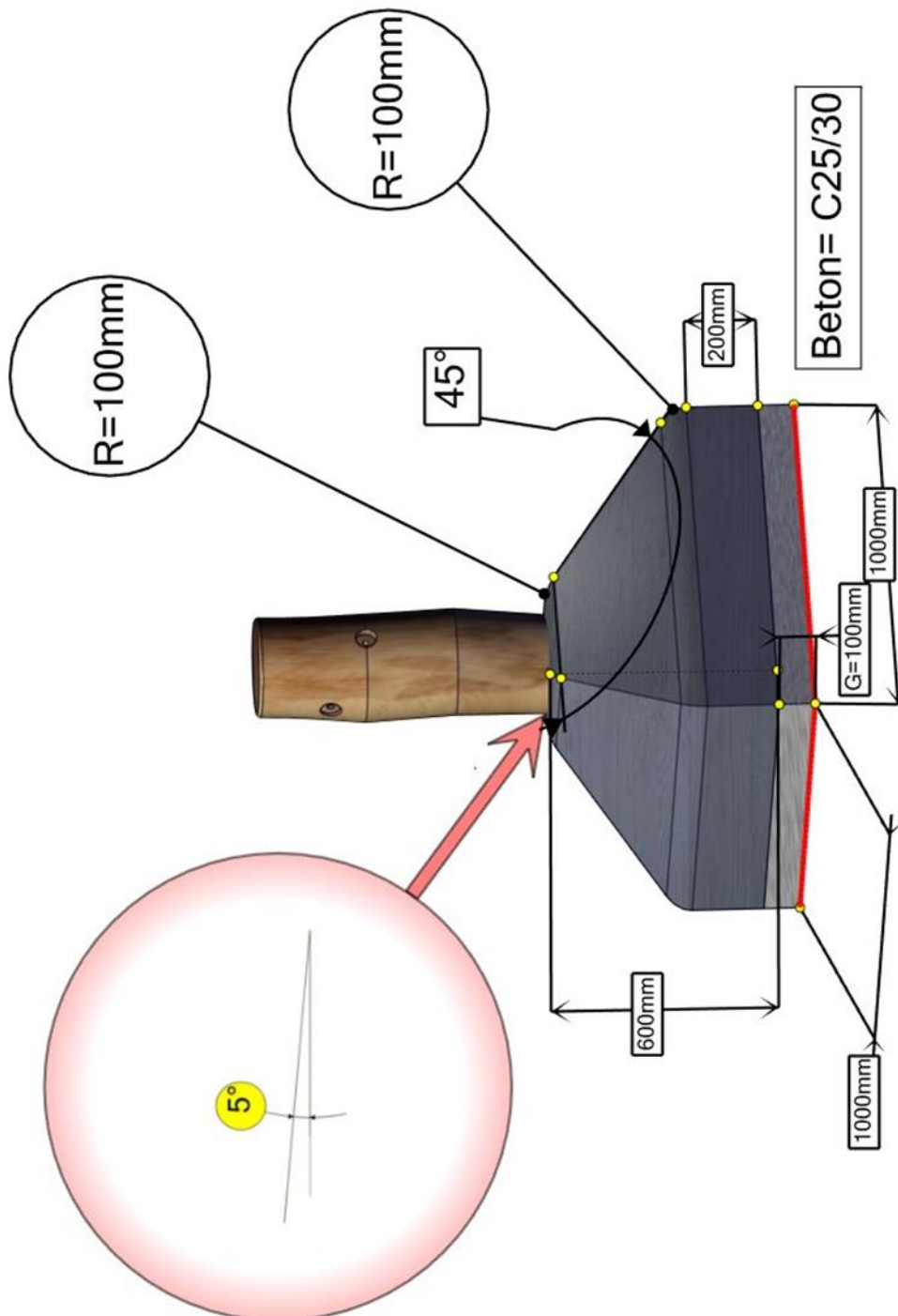
10. Installation of Robinia bollards



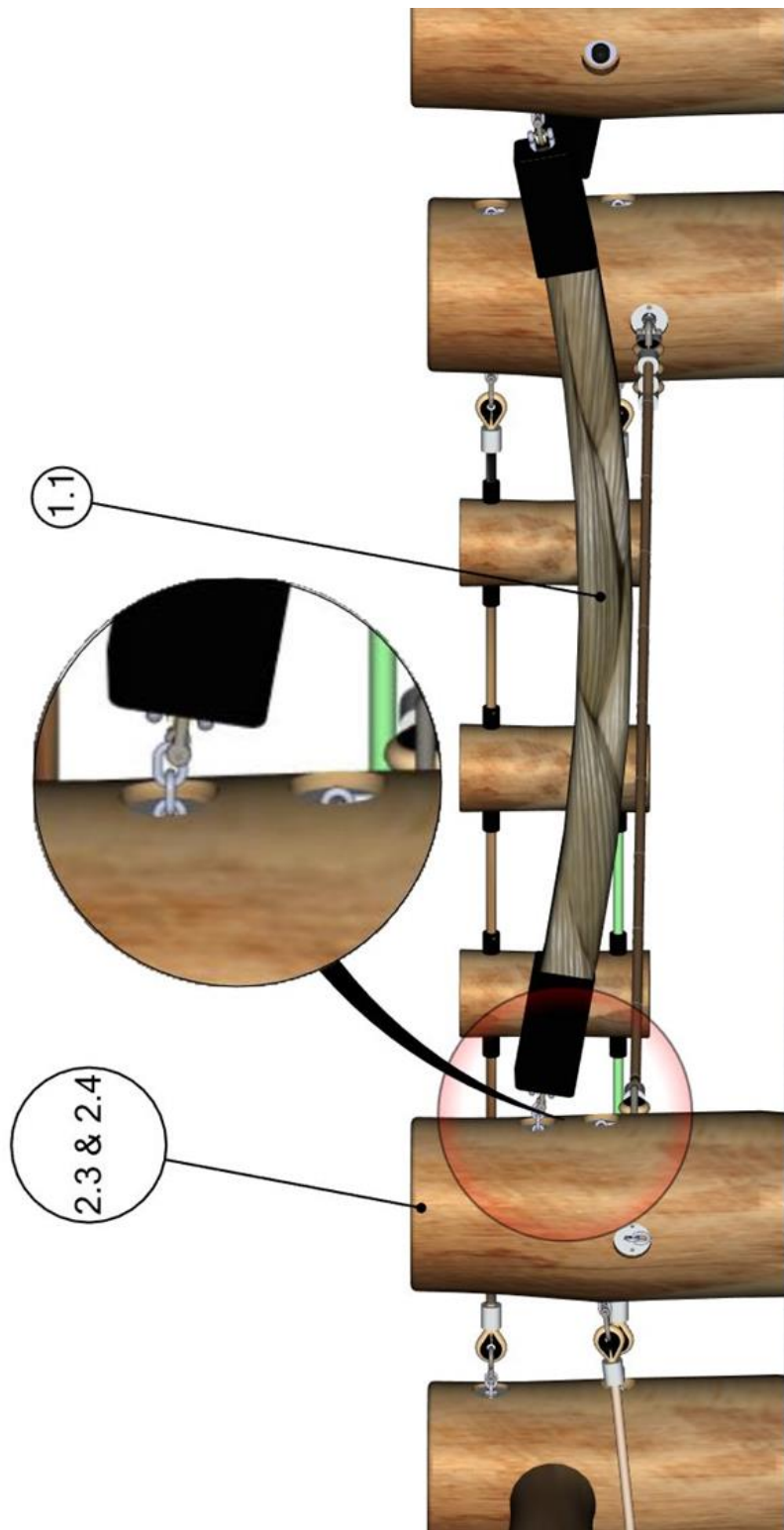
11. Respect the positioning of the Robinia posts

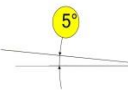


12. Foundation - details



13. Fixing - 4 sided PP bollard rope



	<u>Explanations of abbreviations and symbols :</u> Version: Meeting-Point Art. No. 20.02.134
AB	The legal setting times of concrete must be observed
D	Concrete C25/30 (for foundations) Required concrete :0,36 m ³
F	Fall protection
G	Drainage 10 cm
S-R-A	Respect the orientation of the robinia post as shown!!!
R-P =AS	Lift post into the foundation pit, align and erect. Excavator (fork) prohibited!!!
O.K	Upper edge of playing level
PS	Impact area
R	Radius
	5° inclination must be observed in order to avoid water stagnation !
	<u>Foundation edges must be rounded off (min.R = 100 mm)</u> <u>Sizes of foundations are designed for soils class“4-5” (natural ground).</u> <u>Soil class 3:</u> Non-cohesive to low-cohesive plasticity, sand, gravel and sand-gravel-mixtures, with very low portion of stones portion of stones (portion > 30% with bigger diameter of 63 mm grain size) <u>Soil class 4:</u> soft to medium plasticity, interleave bound, with minor portion of stone (portion < 30% with bigger diameter of 63 mm grain size) <u>Soil class 5:</u> <u>Soil class 5:</u> ground with soil class 3 and 4 with big portion of stones (portion > 30% with bigger diameter of 63 mm grain size) <u>IN CASE OF SANDY AND SOFT SOILS, THE SURFACE DIMENSIONS OF FOUNDATIONS HAVE TO BE ENLARGED FOR ABOUT 50%!.</u>

See drawings for details!

5 Post installation checks



Notice

If the equipment has not been installed safely, you must ensure that the public is prevented from using it.

5.1 Marking filler depth

Labelling the posts to show the depth of material provided as fall protection (i.e. loose filler).

5.2 The equipment has not been installed safely in the following cases:

- Safe equipment installation is not complete.
- The protective surface has not been installed yet.
- Appropriate maintenance work cannot guarantee operational safety.

5.3 Removal of all assembly aids

Please make sure that all assembly aids have been removed from the playing area. The equipment must not be approved for use until this check has been made.

5.4 Information about inspection of the equipment before it is used for the first time

There are no special inspection requirements to be met before the equipment is used for the first time.

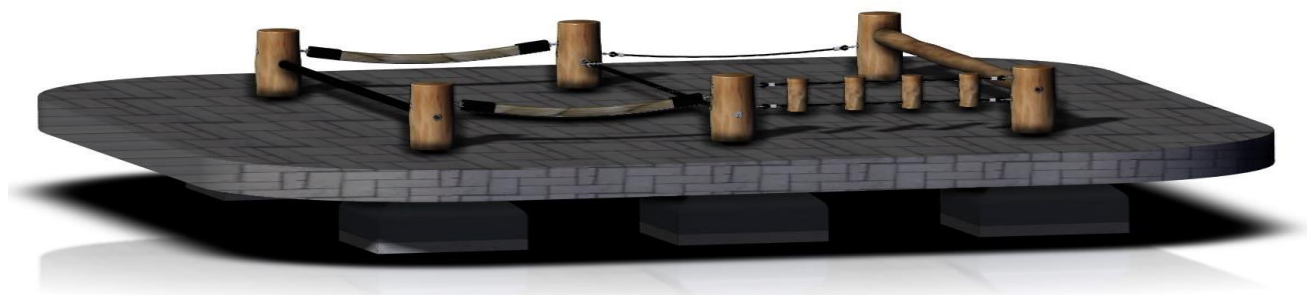
5.5 Retighten bolts

After one week of play, please retighten all bolts again. Later upon respective maintenance.

B Maintenance instructions

Meeting-Point with Robinia Posts

Art.-No. 20.02.134



Revision history

Revision 0 – 2015-02-23

The first allowed version

Maintenance instruction

All rights reserved

© Copyright 2015 Huck Seiltechnik GmbH

6 Introduction Maintenance

6.1 General informations

This equipment should be installed, inspected, maintained and operated in accordance with EN 1176-7 guidelines.



Notice

Please note: Providing any necessary repairs are carried out, a piece of play equipment that is inspected regularly cannot become so damaged that it is dangerous.

Any spare parts which may be required can be obtained directly from your supplier or from Fa. Huck Seiltechnik GmbH

Adress: Huck Seiltechnik GmbH
 Dillerberg 3
 D-35614 Asslar/Berghausen
 Tel. +49 6443 83 11-0
 Fax +49 6443 83 11-79



This equipment should only be assembled, maintained and repaired by **persons with the necessary expertise.**

A copy of the inspection record should be given to the operator, who must confirm receipt.

**This maintenance instruction is based on the standard
“EN 1176-1”.**

7 General maintenance information

7.1 Maintenance intervals

Maintenance intervals are based on average use. Please note that more frequent inspections and/or maintenance are required if the play equipment is subject to intensive use.

7.2 Inspection frequency

The frequency of inspections must be based on actual use. Factors that affect frequency include vandalism, location (e.g. coastal proximity), air pollution and the age of the equipment.

7.3 Maintenance products and procedures

All nuts and bolts are hot-dip galvanised or stainless steel. One of the characteristics of stainless steel is that uncontrolled cold welding may occur when the nuts are tightened. To prevent this, it is necessary to spray the nuts and bolts with Teflon spray or another similar lubricant.

7.4 Spare parts

All spare parts must conform to the manufacturer's specifications.

7.5 Identifying spare parts

All spare parts are listed in the parts list. The parts list follows the installation requirements.

7.6 Special instructions for the disposal of individual equipment components

No special instructions are necessary for the disposal of individual equipment components.

7.7 Special measures during the break-in period

No later than 2 weeks after assembly, all screwed connections should be checked and tightened if necessary.

7.8 Drain openings

All drain holes must be kept clear.

7.9 Maintenance of protective surfaces

Surfaces providing fall protection must also be maintained regularly. It is particularly important to maintain the correct level of loose surface material and add more if necessary.

7.10 Faults



Faults must be repaired as soon as they are detected. If serious defects that compromise safety cannot be repaired straight away, the public must be prevented from using the equipment with immediate effect.

7.11 Loose screws



Loose screws always cause quality problems and put safety at risk. Therefore, loose screws should always be tightened and checks carried out to ensure that there are no missing screws (e.g. look out for holes you can see through).

7.12 Preventing equipment use

Use of the equipment should be prevented in the event of incomplete installation, disassembly, maintenance, repairs and faults.

7.13 Claims/liability for faults

Steel posts and footings are guaranteed if regular maintenance is carried out and recorded in writing. Our general terms and conditions apply. Maintenance first takes place after 3 years. The steel posts must be excavated as far as the concrete foundations and checked for corrosion.

Zinc paint should be applied to any corroded areas and scratches. Check ropes for abrasion. Retreat any that are very worn.

8 Maintenance timetable

8.1 Special advices

8.1.1 Maintenance interval

We strongly advise you to carry out inspections and maintenance work within the specified periods as use of the equipment, the weather and malicious vandalism cause wear and tear that compromises the safety and function of the equipment.

8.1.2 Maintenance intervals in the event of intensive use

Please note that more frequent inspections and/or maintenance are required if the play equipment is subject to intensive use.

8.1.3 Faults that compromise safety



Notice

In the event of a fault that compromises safety, quick action must be taken. This may involve repairing it immediately or shutting down and dismantling the equipment.

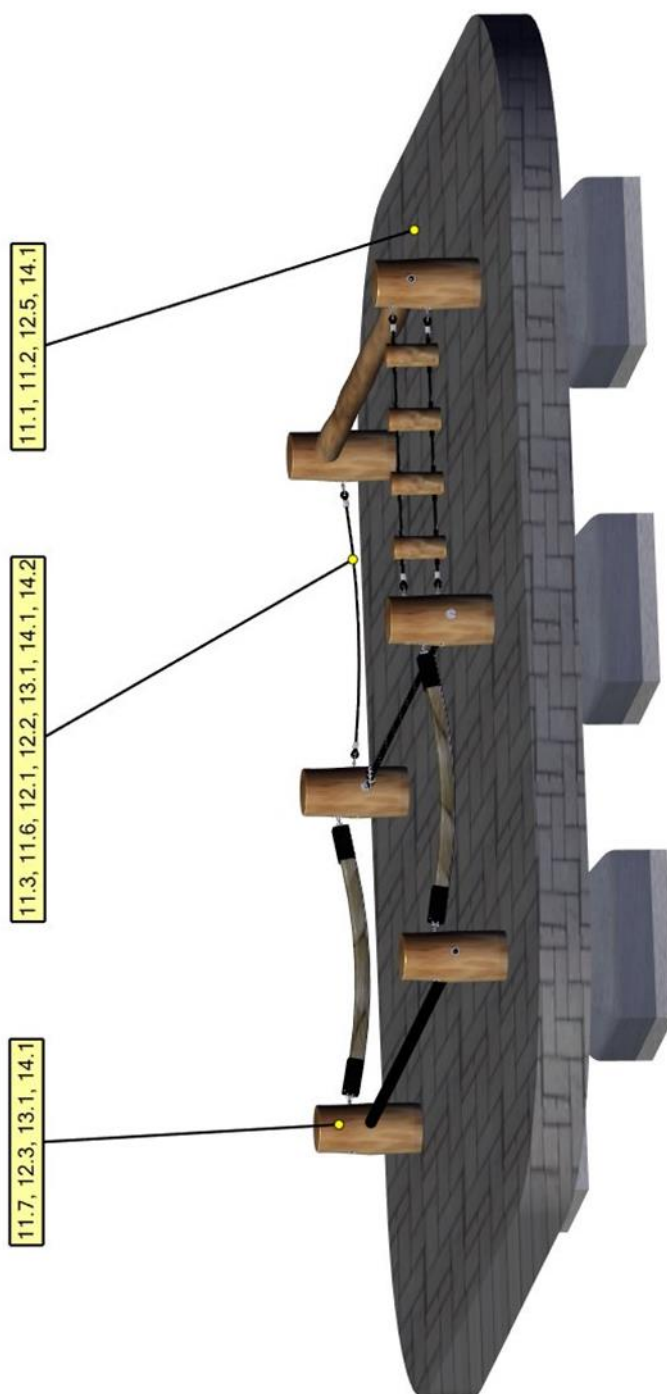
8.1.4 Faults that compromise function



Notice

Faults that compromise function should also be repaired immediately. Such faults lower the value of the equipment to the user and encourage malicious vandalism, which may render the equipment less safe. Any damage should also be repaired immediately.

9 Regular maintenance



10 Regular maintenance

11 Monthly maintenance

- 11.1 Check the spaces between the equipment and the ground (clearance and height of fall).**
- 11.2 Check the ground surface in the area with fall protection for hard objects and loose foundations.**
- 11.3 Check all connecting elements and fittings for wear and tear and tighten if necessary. Replace damaged or missing parts.**
- 11.4 Check that moving metal parts (joints, springs, etc.) move smoothly and are not worn. Replace if necessary. It is not necessary to lubricate joints as we only use maintenance-free metal roller bearings.**
- 11.5 Check all attachments such as chains, ropes, nets, etc. for damage and replace if necessary.**
- 11.6 Check rubber parts, sleeves, etc. for wear and tear or damage and replace if necessary.**
- 11.7 Check the surface of wooden parts for damage caused by the weather or external influences and mould. Repair or replace if necessary.**
- 11.8 Check the surface of plastic and metal parts, e.g. slides, for damage and replace if necessary.**

12 Quarterly maintenance

- 12.1 Detailed inspection of the operation and stability of the equipment paying particular attention to any wear and tear.**
- 12.2 Tighten all forms of attachment.**
- 12.3 Repaint and retreat surfaces.**
- 12.4 Maintenance of fall protection surfaces.**
- 12.5 Lubrication of joints.**
- 12.6 Check the height of the fall and top up with loose filler if necessary. If the posts are labelled, top up as far as the mark.**
- 12.7 Retighten all bolts**

13 Half yearly maintenance

- 13.1 Stability (check posts, bracing, foundations, etc.). Ascertaining whether there are any changes in equipment safety as a result of repairs that have been carried out or components that have been added or replaced.

	Annual Maintenance
---	-----------------------------

14 Annual maintenance

- 14.1 Ascertaining that the equipment, foundations and surfaces are safe for operation.
- 14.2 In particular, the equipment should be checked for decay and corrosion. It may be necessary to dig out or excavate certain components in order to do so. Zinc paint should be applied to corroded areas and scratches.

	The equipment must be inspected by someone with the necessary expertise in strict compliance with the instructions issued by Huck Seiltechnik GmbH. A copy of the inspection record should be given to the operator, who must confirm receipt.
---	--

15 Maintenance printout

Name of item: Meeting-Point _____ / Art.-No. 20.02.134 _____

Location: _____

Customer or operator: _____
(Town, Town council, Kindergarten)

Date of inspection	Inspector	O.K.	Accessible	Barriered	Defects	Repaired by	Date

Please copy and return once a year after main inspection has been carried out to the manufacturer by Telefax +49 6443 83 11-79
Place the confirmation form in your existing play equipment files.

16 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 Huck Seiltechnik GmbH per Telefax +49 6443 8311-79

Art.-No.: 20.02.134

Type of item: Meeting-Point

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)
(Stamp)

(Signature of installation company)

Date: _____