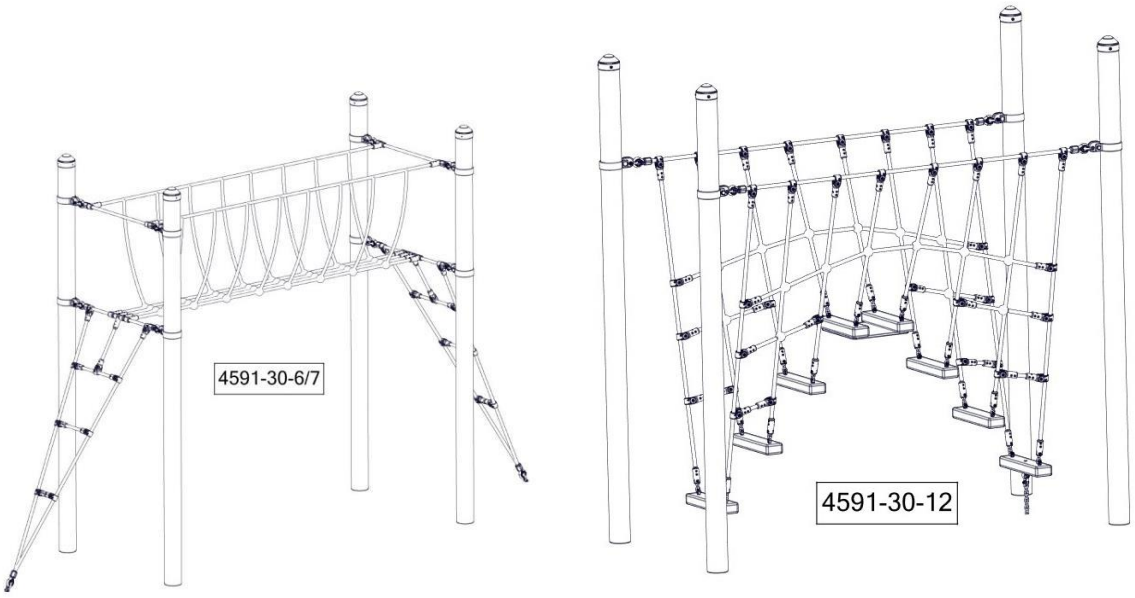
Huck Seiltechnik GmbH • 35614 Aßlar/Berghausen • Germany
seiltechnik@huck.net • www.huck.net

A Assembly instruction “System”
Elements 6, 7 and 12
Art. 4591-30-6, Art. 4591-30-7, Art. 4591-30-12

Attention! Only use the assembly instructions included in the scope of delivery for the assembly, installation and maintenance of the respective equipment!



Operator:_____

Location:_____

Attention!

The centre distance for this device is 2,25 m (centre-to-centre). In the event of a possible extension with other rope course elements (e.g. "Haiger-Parcours 3,00 m", "Dillenburg 3.00m", "Fun Parcours 3.00m"), the different post spacing must be observed!

Revisionshistorie

Revision 0 – 2007- 02-28

Erste freigegebene Version

Montageanleitung SP

Revision 9 – 2025-01-31 FH

Seite 1 Hinweis auf unterschiedliche Pfostenabstände geä. FH

Alle Rechte vorbehalten

© Copyright 2007 Huck Seiltechnik GmbH

Contents

A Assembly instruction "System" Elements 6, 7 and 12 Art. 4591-30-6, Art. 4591-30-7, Art. 4591-30-12 1

1 Introduction Assembling 4

2 Datasheet "System": Elements 6, 7 and 12 Art. 4591-30-6, Art. 4591-30-7 Art. 4591-30-12 5

3 Delivery contents (parts list with part numbers) 6

4 Erection instructions 10

5 Post installation checks 18

B Maintenance instruction "System" Elements 6, 7 and 12 Art. 4591-30-6, Art. 4591-30-7, Art. 4591-30-12 (Version: Steel posts) 19

6 Introduction Maintenance 21

7 General maintenance information 22

8 Faults 23

9 Regular maintenance 24

10 Monthly maintenance 26

11 Quarterly maintenance 26

12 Half yearly maintenance 26

13 Annual maintenance 27

14 Maintenance printout 29

15 Hand over document 31

List of Tables

Table 3-1: Delivery contents, in words 6

Table 3-2: Delivery contents, in symbols 7

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).

Any spare parts that may be required can be obtained directly from your supplier.

Please do not hesitate to call your supplier if you have any problems during installation or with any other questions.

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.

2 Datasheet “System”: Elements 6, 7 and 12 Art. 4591-30-6, Art. 4591-30-7 Art. 4591-30-12

1. (4591-30-6+7)
   Place requirement without safety zone: 4.80 m x 1.80 m
   Place requirement including safety zone: 7.00 x 4.10 m
   Height of fall: 1.50 m
   (4591-30-12)
   Place requirement without safety zone: 2.85 m x 1.80 m
   Place requirement including safety zone: 5.35 m x 4.10 m
   Height of fall: 1.50 m

2. 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	400	<= 3000
Wood chippings	5 – 30 grain size	400	<= 3000
Sand	0.2 – 2 grain size	400	<= 3000
Gravel	2 – 8 grain size	400	<= 3000
Other ground materials	As recommended by manufacturer	400	

3. Name and overall dimension of the largest component
   4 steel posts; length 3.40 m, ø 101,6 mm

4. Intended age group: 4 years and over

5. **Please note that this equipment is set in concrete.**
   Concrete: C20/25 (B25)
   Required concrete: 1.90 m^3
   Foundations/area to be excavated **(per equipment):**
   2 x 0.80 m long x 1.80 m wide, total depth 1.10m including 10 cm drainage
   2 x 0.80 m long x 1.80 m wide x 0.60 high, tope edge of concrete rounded.

6. Assembly time per epuipment, once foundations complete: 45 minutes.
   Required assistance: 2 people.

7. Any spare parts which may be required can be obtained directly from your supplier

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

3 Delivery contents (parts list with part numbers)

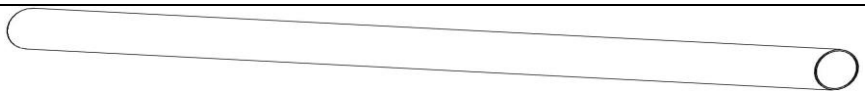
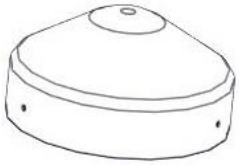
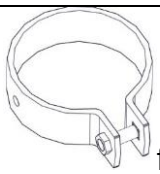
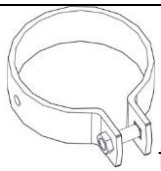
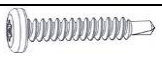
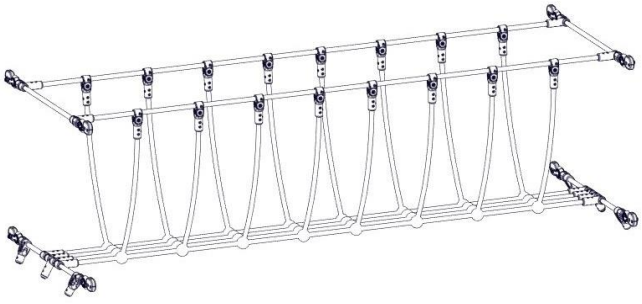
3.1 In words (please notice: piece numbers refer to 1 equipment)

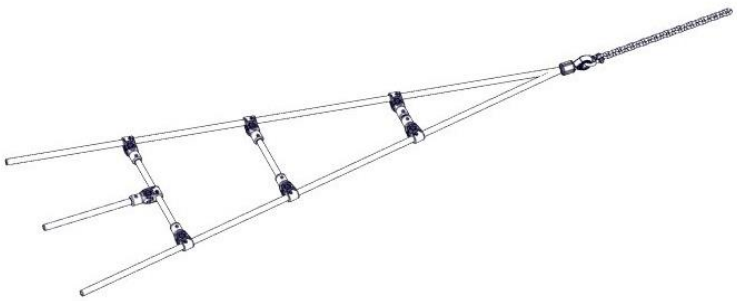
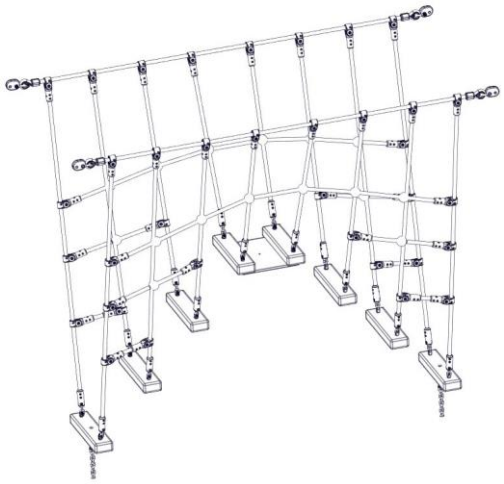
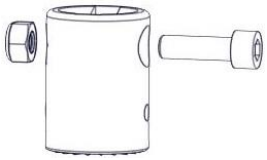
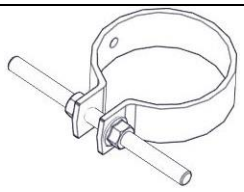
Table 3-1: Delivery contents, in words

Pos.	Quantity	Element / Description	Size	O.K.	Missing
1	4 (per equipment)	Steel posts	Ø 101,6 mm; length 3.40 m		
2	4 per equipment)	Red synthetic cover caps	for Ø 101,6 mm		
Element 6 and 7, Art. 4591-30-(6 + 7)					
3	12	Pipe clips with carriage bolts and stop nuts	M10 x 40 mm lg.		
Element 12, Art. 4591-30-12					
(3)	4	Pipe clips with carriage bolts and stop nuts	M10 x 40 mm lg.		
4	12 (per equipment)	Self tapping screws			
6	1x 2x	Playing part **4591-30-6** Element 6 (Net bridge) and **4591-30-7** Element 7 (2x Triangular access nets)			
(6)	1	**4591-30-12** Element 12 (wooden rung bridge)			
8	2	**Fix anchors**	M12		
(8)	2	Stainless steel chain adapter	M12		
10	4 (per equipment)	Pipe clips with threaded bolts M10 + 2 nuts			

3.2 In symbols

Table 3-2: Delivery contents, in symbols

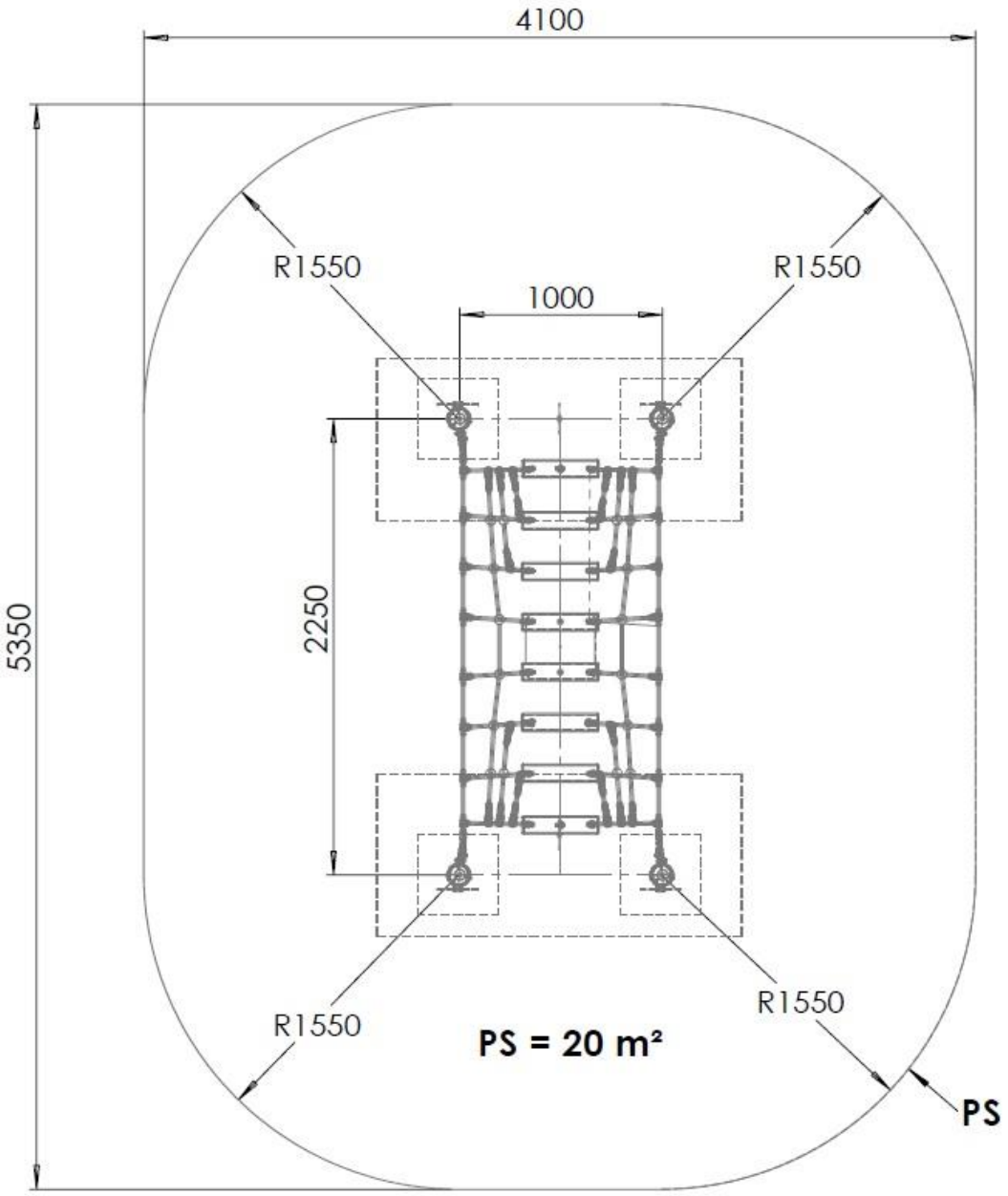
Pos.	Quantity	Symbol
1	4 (per equipment)	 3.40 m long
2	4 (per equipment)	 for Ø 101,6 mm
Element 6 and 7, Art. 4591-30-6 + 4591-30-7		
3	12	 for Ø 101,6 m
Element 12, Art. 4591-30-12		
(3)	4	 for Ø 101,6 mm
4	12 (per equipment)	 5,5 x 25 mm
6	1x (2x)	4591-30-(6)  and 4591-30-(7)

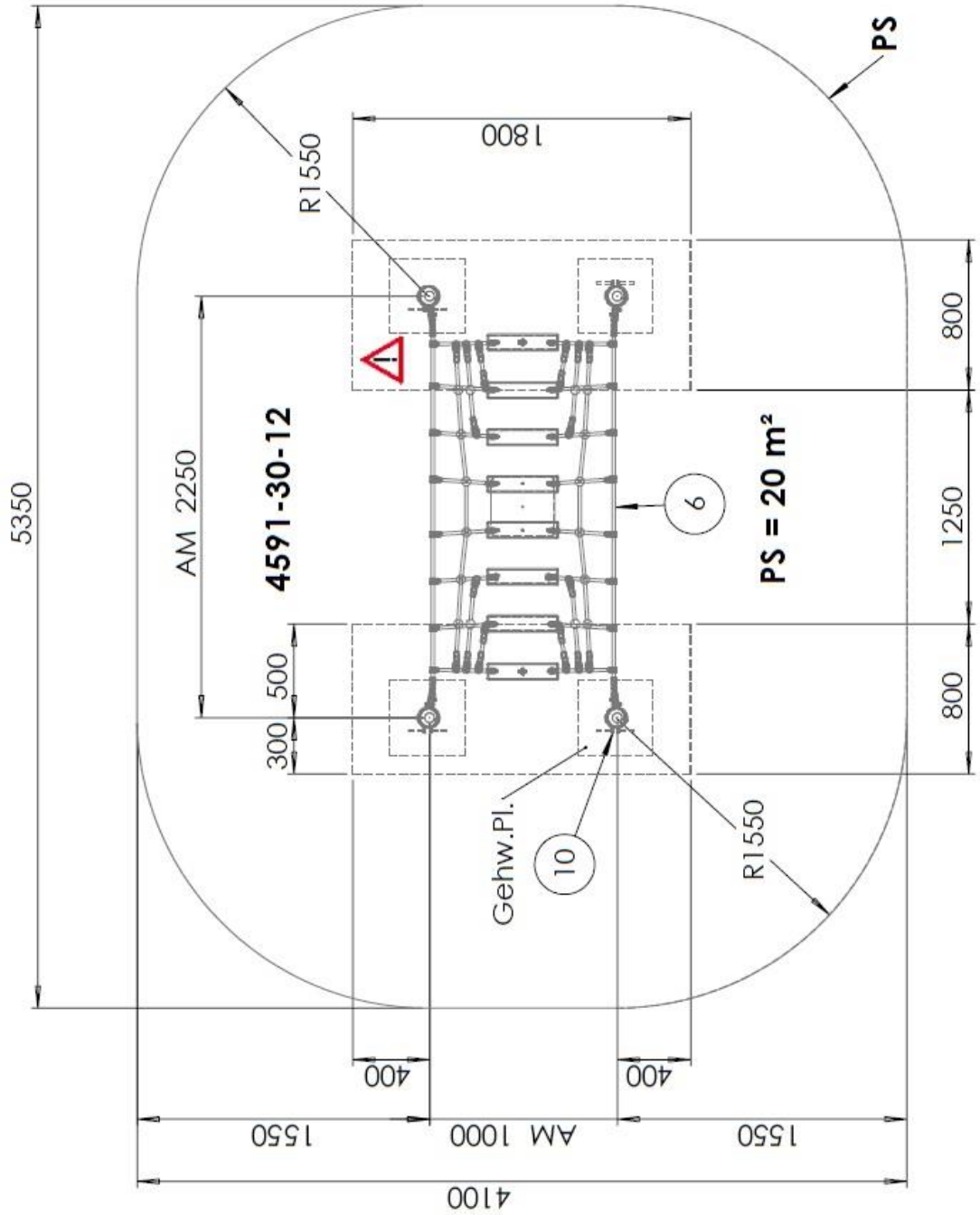
		 4591-30-7
(6)	1	4591-30-(12) 
8	2 (for element 4591-30-7)	 Fix anchors
(8)	2 (for element 4591-30-12)	 Stainless steel chain adapter M12
10	4 (per equipment)	

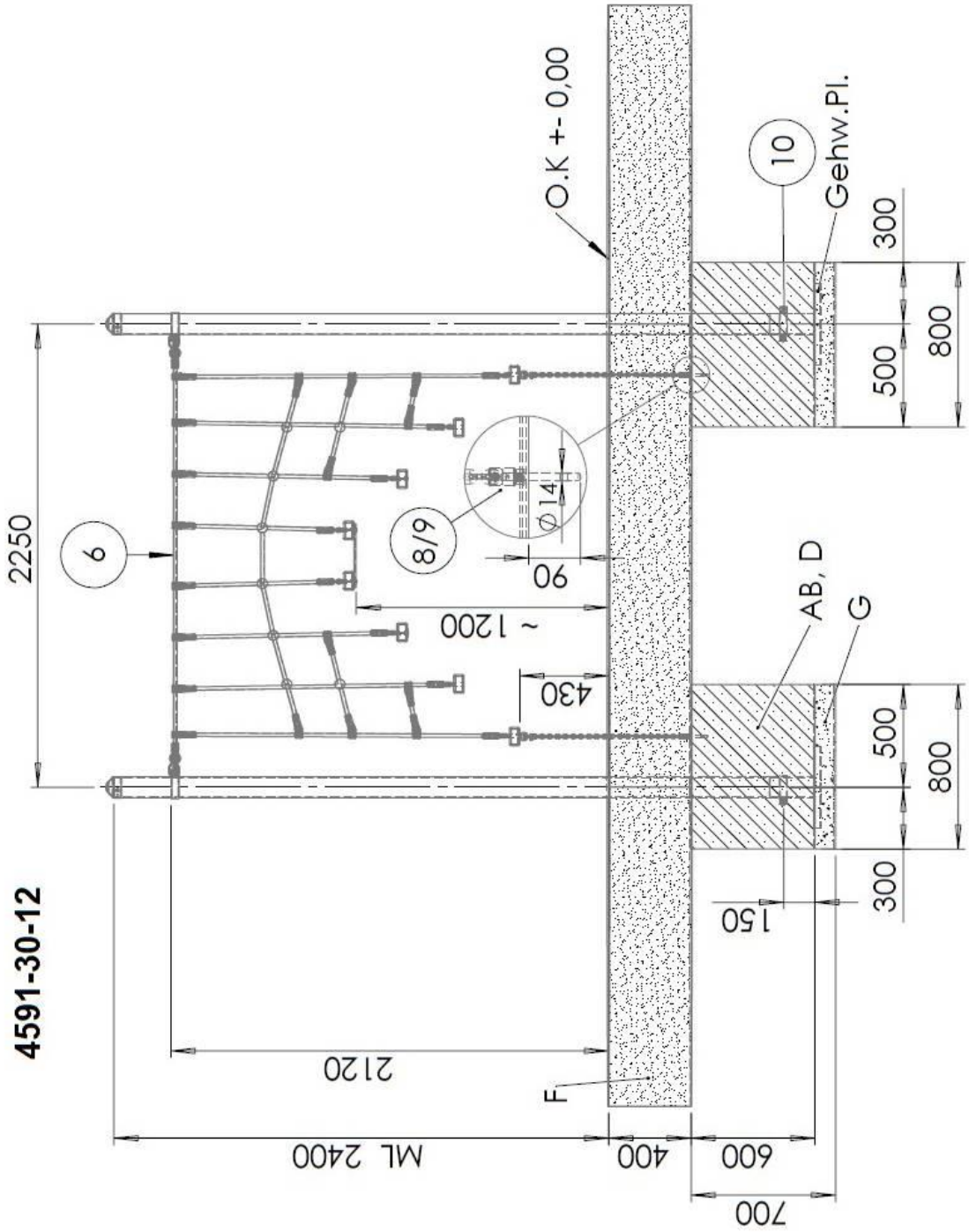
AB	Setting time for concrete
AM	Unit spacing (centre-centre) posts
AkS!	Please be sure, that the black adapter get´s installed with the drilling´s on the belower edge!
LM	Clear spacing (post-post)
D	Concrete B25 (for foundation)
DR	Plan view
F	Fall protection
FR	Foundation radius at least 10 cm
Gehw.Pl.	Underlay boards e.g. access boards supplied on-site – i.e. to be laid below the posts by the client! Upper drainage level (see drawing)
G	Drainage layer10 cm
K.einb.	Anchorage chain, is set in concrete as well
K.m.gesp.	Chain must be excited!
SA	Side-view
O.K	Upper play level
PS	Required space including safety area
RW	Regular maintenance
ML	Length of mast above play level

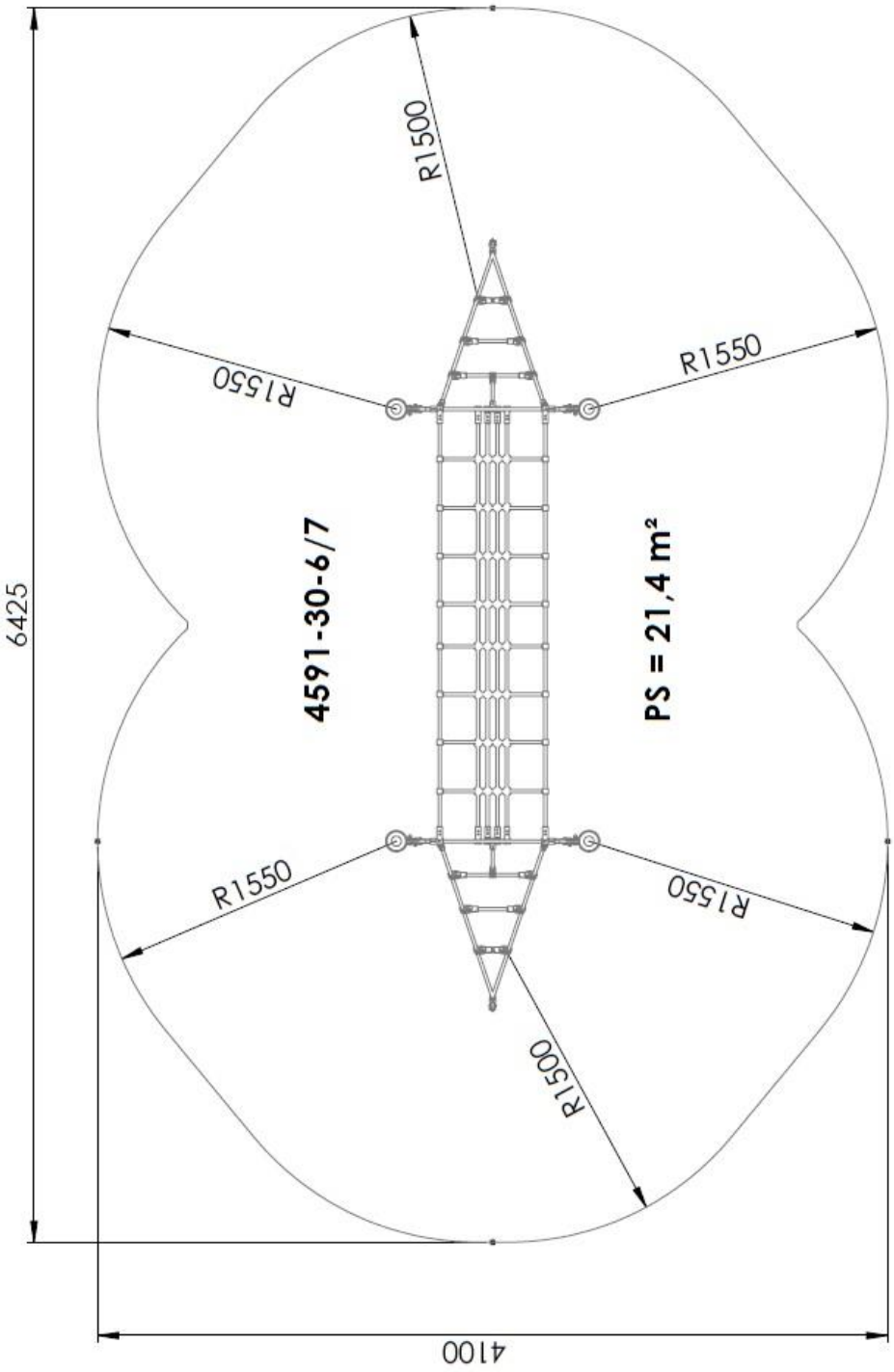
See drawings!

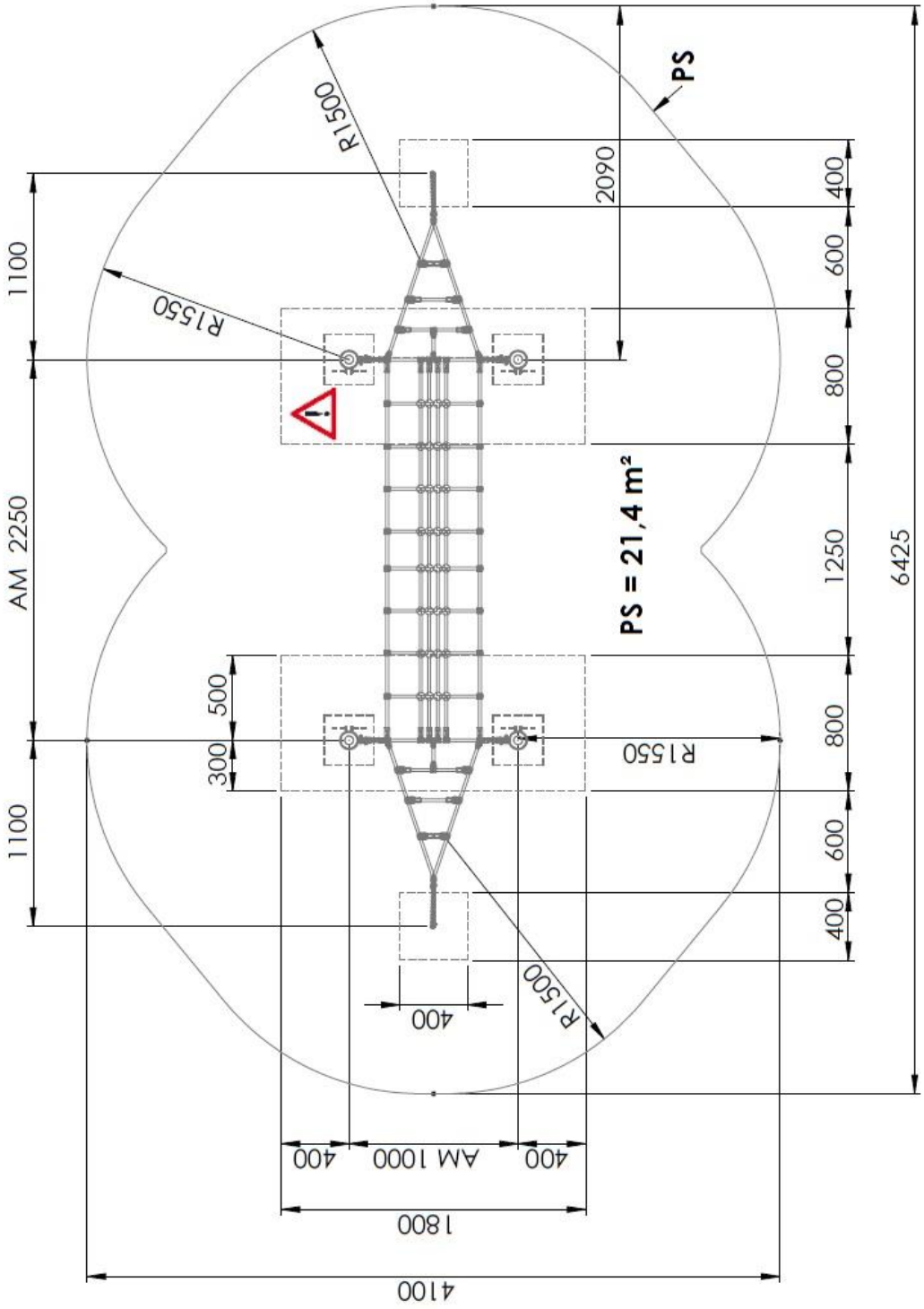
4 Erection instructions

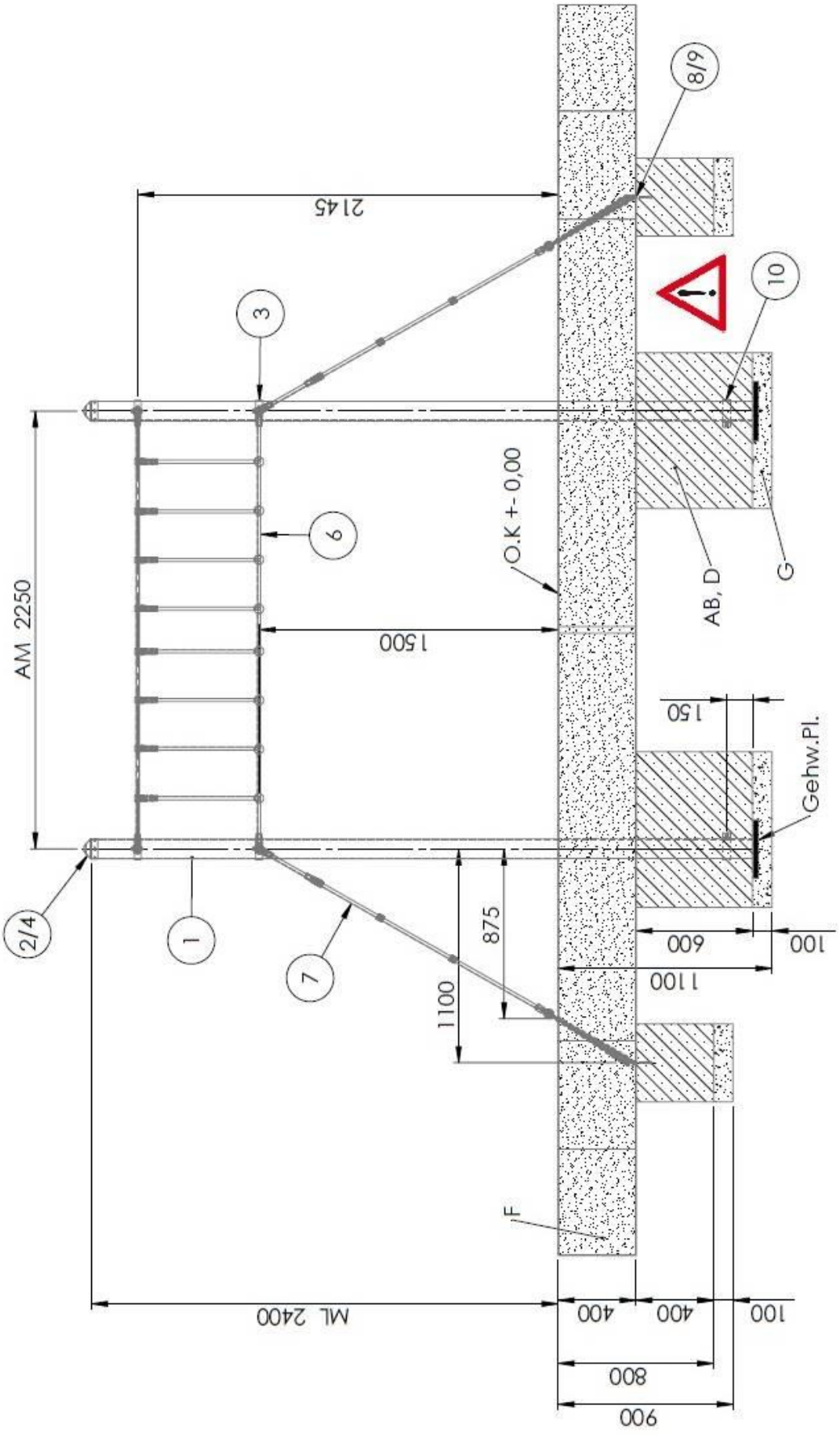


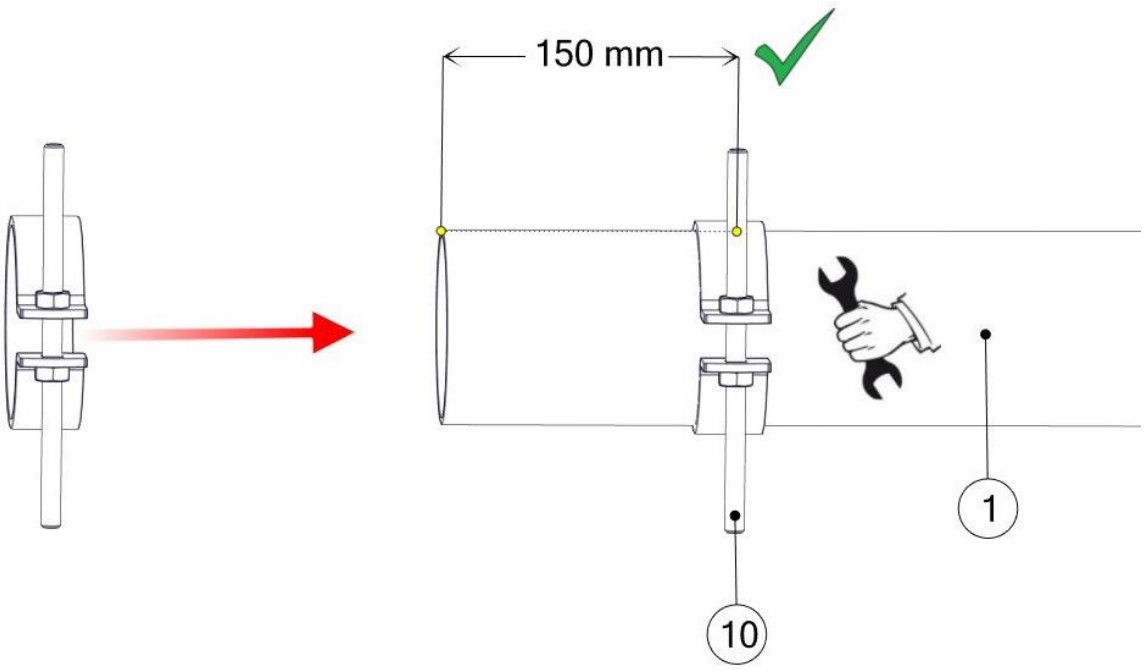

PS
R1550
1800
800
1250
800
5350
AM 2250
4591-30-12
PS = 20 m²
6
500
300
Gehw.Pl.
10
R1550
400
400
1550
AM 1000
1550
4100

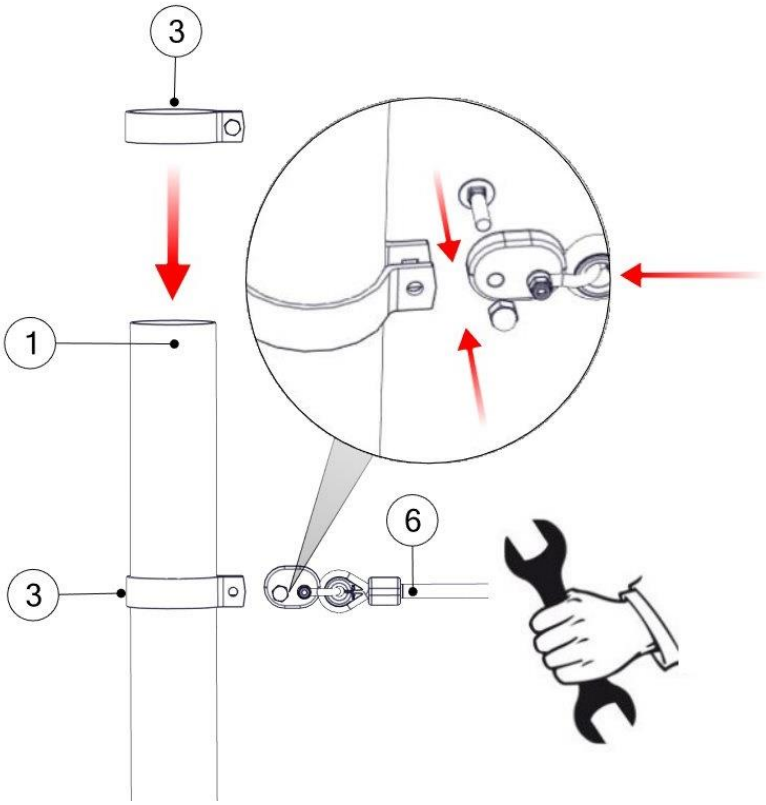

O.K +- 0,00
10
Gehw.Pl.
300
500
800
2250
6
8/9
Ø14
90
~ 1200
430
AB, D
G
500
800
300
150
4591-30-12
2120
F
ML 2400
400
600
700

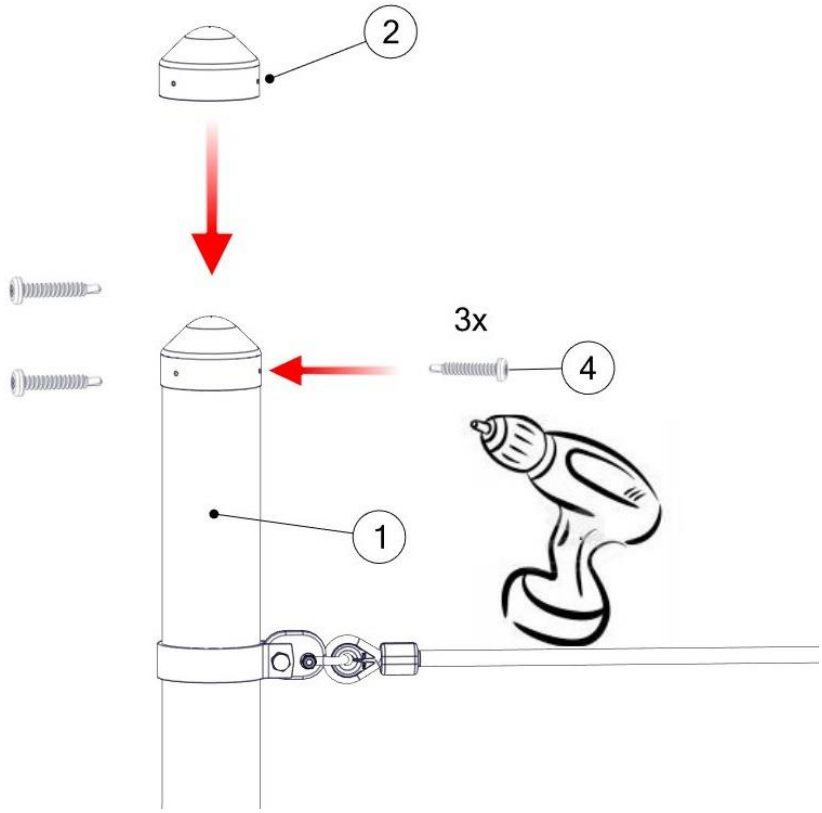

R1500
R1550
R1550
6425
4591-30-6/7
PS = 21,4 m²
R1550
R1550
R1500
4100


PS
R1500
2090
400
600
800
1250
800
600
400
6425
1100
R1550
AM 2250
PS = 21,4 m²
500
300
R1550
1100
400
R1500
400
AM 1000
400
1800
4100


8/9
2145
10
3
O.K +- 0,00
6
AB, D
G
AM 2250
1500
150
Gehw.Pl.
2/4
1
7
875
1100
600
100
1100
F
ML 2400
400
400
100
800
900


150 mm
1
10


3
1
6
3


2
3x
4
1

5 Post installation checks

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.

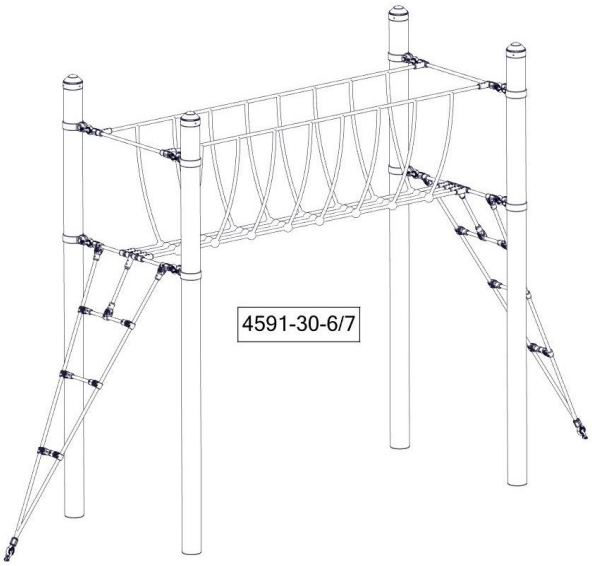
5.4 Information about inspection of the equipment before it is used for the first time

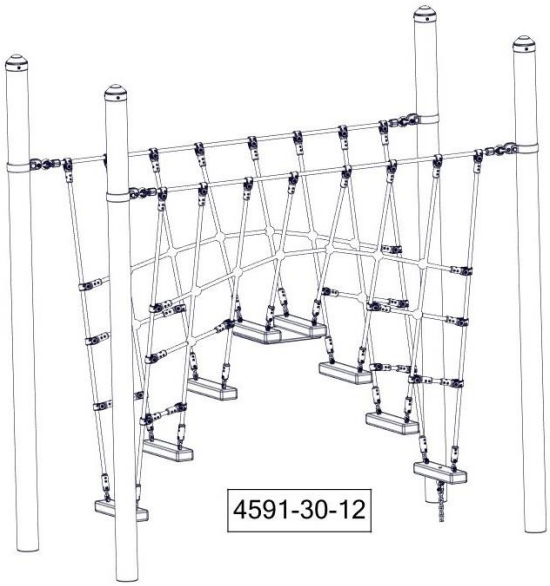
- There are no special inspection requirements to be met before the equipment is used for the first time.

5.5 Retighten bolts

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

B Maintenance instruction “System”
Elements 6, 7 and 12
Art. 4591-30-6, Art. 4591-30-7, Art. 4591-30-12
(Version: Steel posts)





Revisionshistorie

Revision 0 – 2007- 02-28

Erste freigegebene Version

Montageanleitung SP

Revision 7 – 2022-12-12 FH

neue Form der Anleitung

Alle Rechte vorbehalten

© Copyright 2007 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.

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.

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 1176-1:2017”.

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 Drainage holes

All drainage holes should 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.

8 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.

8.1 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).

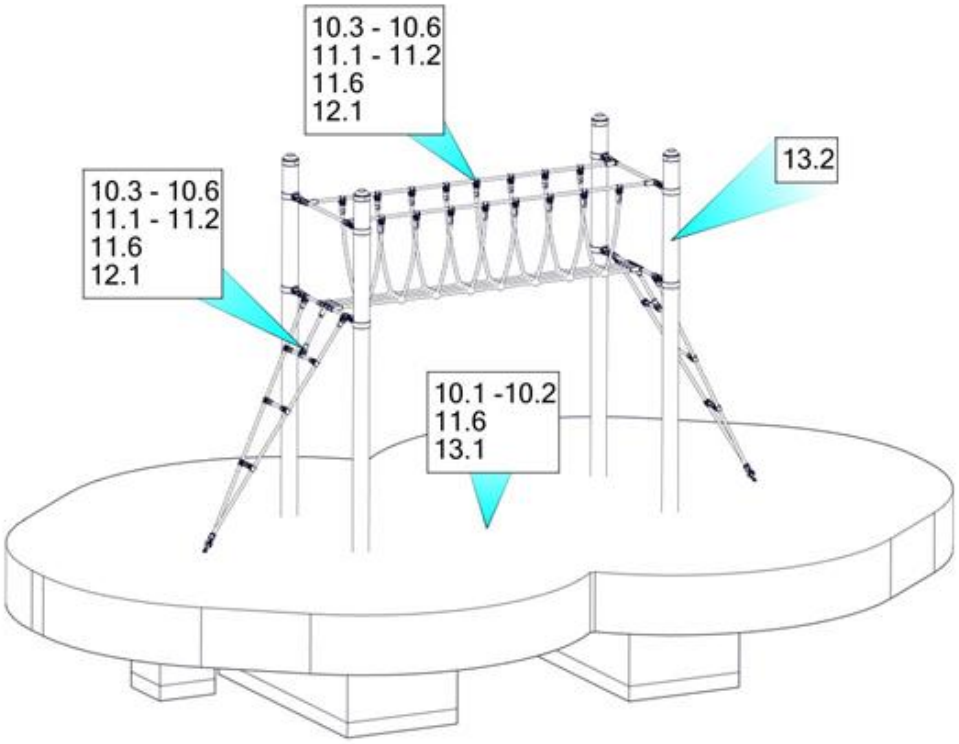
8.2 Preventing equipment use

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

8.3 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.

9 Regular maintenance



Maintenance timetable

9.1 Special advices

9.1.1 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.

9.1.2 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.

9.1.3 Faults that compromise safety

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.

9.1.4 Faults that compromise function

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.

10 Monthly maintenance

10.1 Check the spaces between the equipment and the ground (clearance and height of fall).

10.2 Check the ground surface in the area with fall protection for hard objects and loose foundations.

10.3 Check all connecting elements and fittings for wear and tear and tighten if necessary. Replace damaged or missing parts.

10.4 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.

10.5 Check all attachments such as chains, ropes, nets, etc. for damage and replace if necessary.

10.6 Check rubber parts, sleeves, etc. for wear and tear or damage and replace if necessary.

10.7 If necessary, remove excess padding maaaterial from the post footings due to danger of rotting.

10.8 Check the surface of wooden parts for damage caused by the weather or external influences and mould. Repair or replace if necessary.

10.9 Check the surface of plastic and metal parts, e.g. slides, for damage and replace if necessary.

11 Quarterly maintenance

11.1 Detailed inspection of the operation and stability of the equipment paying particular attention to any wear and tear.

11.2 Tighten all forms of attachment.

11.3 Repaint and retreat surfaces.

11.4 Maintenance of fall protection surfaces.

11.5 Lubrication of joints.

11.6 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.

11.7 Retighten all bolts

12 Half yearly maintenance

12.1 The stability of supporting posts, supports, foundations etc is to be checked. The safety level of the entire system is to be checked after repairs have been carried out or additional system components have been installed or replaced.

•

Annual Maintenance

•

13 Annual maintenance

13.1 Ascertaining that the equipment, foundations and surfaces are safe for operation.

13.2 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.

13.3 Stability (check posts, bracing, foundations, etc.).

13.4 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.

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.

•

14 Maintenance printout

Name of item: SYSTEM;. Elements 6, 7 and 12 / Art.-No. 4591-30-6, 4591-30-7 and 4591-30-12

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 (06443) 83 11 79!
Place the confirmation form in the play equipment files.

15 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.: 4591-30-6, 4591-30-7 und 4591-30-12

Type of item: SYSTEM, Elements 6, 7 and 12

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: _____