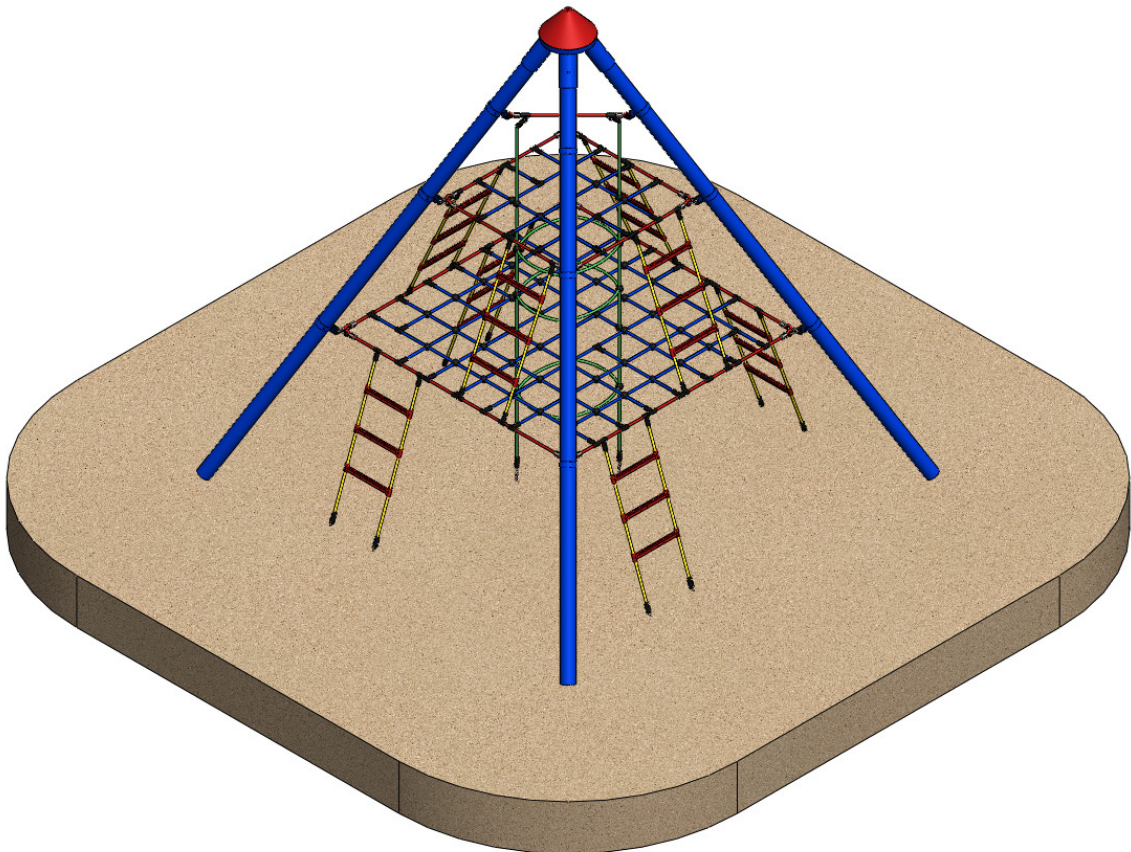


# A Installation Instructions Midi Climbing Teepee Art No.4587-22



Operator: \_\_\_\_\_

Location: \_\_\_\_\_

**Revisionshistorie**

Revision 0 – 2012-07-09

Erste freigegebene Version FH

Montageanleitung

Revision 0

Alle Rechte vorbehalten

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Dokument1

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## Contents:

<b>A</b>	<b>Assembly Instructions</b> .....	<b>1</b>
1	Introduction Assembly.....	4
2	Data Sheet .....	6
3	Delivery Contents (parts list with description).....	8
4	Erection Instructions.....	10
5	Post Installation Checks .....	16
<b>B</b>	<b>Maintenance Instructions</b> .....	<b>18</b>
6	Introduction Maintenance.....	18
7	General Manintenance Information.....	19
8	Maintenance Timetable.....	21
9	Maintenance Illustration.....	22
10	Monthly Maintenance .....	23
11	Quarterly Maintenance .....	23
12	Half Year Maintenance .....	24
13	Annual Maintenance .....	24
14	Maintenance Printout.....	25
15	Handover Document.....	27

## List of Tables

Table 3-1: Delivery Contents, in words .....	8
Table 3-2: Delivery Contents, in symbols.....	9

# 1 Introduction Assembly

## 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 you supplier.

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



**ATTENTION**

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



**ATTENTION**

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 nuts are tightened. To prevent this, it is necessary to spray the nuts and bolts with teflon spray or another similar lubricant.

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

### Drawings / Views

All optical drawings are showing only the measurements/dimensions and are not mandatory technical views of the complete items.

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.

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### Measurements / 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 measurement resp. Measurements below upper edges ground level/play area.

**Datasheet: Midi Cheops Pyramid Art. 4587-22**

1. Space requirement: Ø 8.15m and/or Ø 11.20m including safety zone, height of fall 1.40m
2. Required Safety Surface:

Surface Material	Description	Minimum thickness of layer in mm	Maximum Height of Fall mm
Topsoil Grass			<= 1000*
<b>Chipped Bark</b>	<b>20 – 80 Grain Size</b>	<b>300</b>	<b>&lt;= 2000</b>
		<b>400</b>	<b>&lt;= 3000</b>
<b>Wood Chippings</b>	<b>5 – 30 Grain Size</b>	<b>300</b>	<b>&lt;= 2000</b>
		<b>400</b>	<b>&lt;= 3000</b>
<b>Sand</b>	<b>0,2 – 2 Grain Size</b>	<b>300</b>	<b>&lt;= 2000</b>
		<b>400</b>	<b>&lt;= 3000</b>
<b>Gravel</b>	<b>2 – 8 Grain Size</b>	<b>300</b>	<b>&lt;= 2000</b>
		<b>400</b>	<b>&lt;= 3000</b>
<b>Other ground materials</b>	<b>As recommended by manufacturer</b>		

3. Name and overall dimension of the largest component:  
Steel post Ø120mm, Length 5.00m
4. Name and weight of the heaviest component:  
4 Steel posts, ~ 145 kg
5. Intended age group: 4 years and over
6. Please Note this equipment is set into concrete.  
Concrete: C25/30, Required Concrete = 1,6 m³  
Foundations/Area to be excavated::  
**4x 90° 1,00 m x 1,00 m x 0,40 m**  
**4x 90° 1,00 m x 1,00 m x 0,90 m**  
Inc. 10 cm drainage



**ATTENTION Round off foundation edges (min. R = 100mm)! Sizes of foundations are ,“3-4“ (natural ground).**

**In case of sandy and soft soils, the surface measure of foundations have to be enlarged for about 50%!**

7. Assembly time, once foundations complete:  
Approx. 3 hours – Required assistance: 2 People

8. Any spare parts which may be required can be obtained directly from your supplier.
9. **We hereby confirm that this item of play equipment has been tested and certified in accordance with the play equipment standard EN1176.**

## 2 Delivery Contents (parts list with part numbers)

### 2.1 in Words




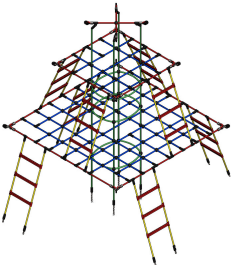




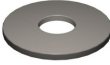
Table 3-1: Delivery Contents, in words

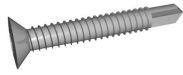

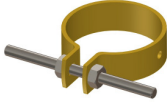

Pos.	Quantity	Element / Description	Size	O.K.	Missing
1	4	Steel Posts, Galvanised	Ø 102 mm, 5.00 m Long		
2	1	Headstock Piece			
3	1	Connection Cover Cap	Ø 360 mm		
4	1	Pre-Assembled Net			
100	1	Threaded Bolt	M16 x 165 mm		
101	1	Cap	M16		
102	1	Stop Nut	M16		
103	1	Nut	M16		
104	1	Washer	Ø 17		
105	4	Self Tapping Screw	5,5 x 25 mm		
106	8	U-Disc	B6		
107	12	Pipe Clamp with Galvanised bolt and lock nut	for Ø 102 mm / M10 x 40 / M10		
108	4	Pipe Clamp with threaded rod and 2 x nuts	M10 x 150 mm / M10		
109	12	Ground Anchors			
		Paint brush and roller			
		Blue Paint	ca. 2 Liter		



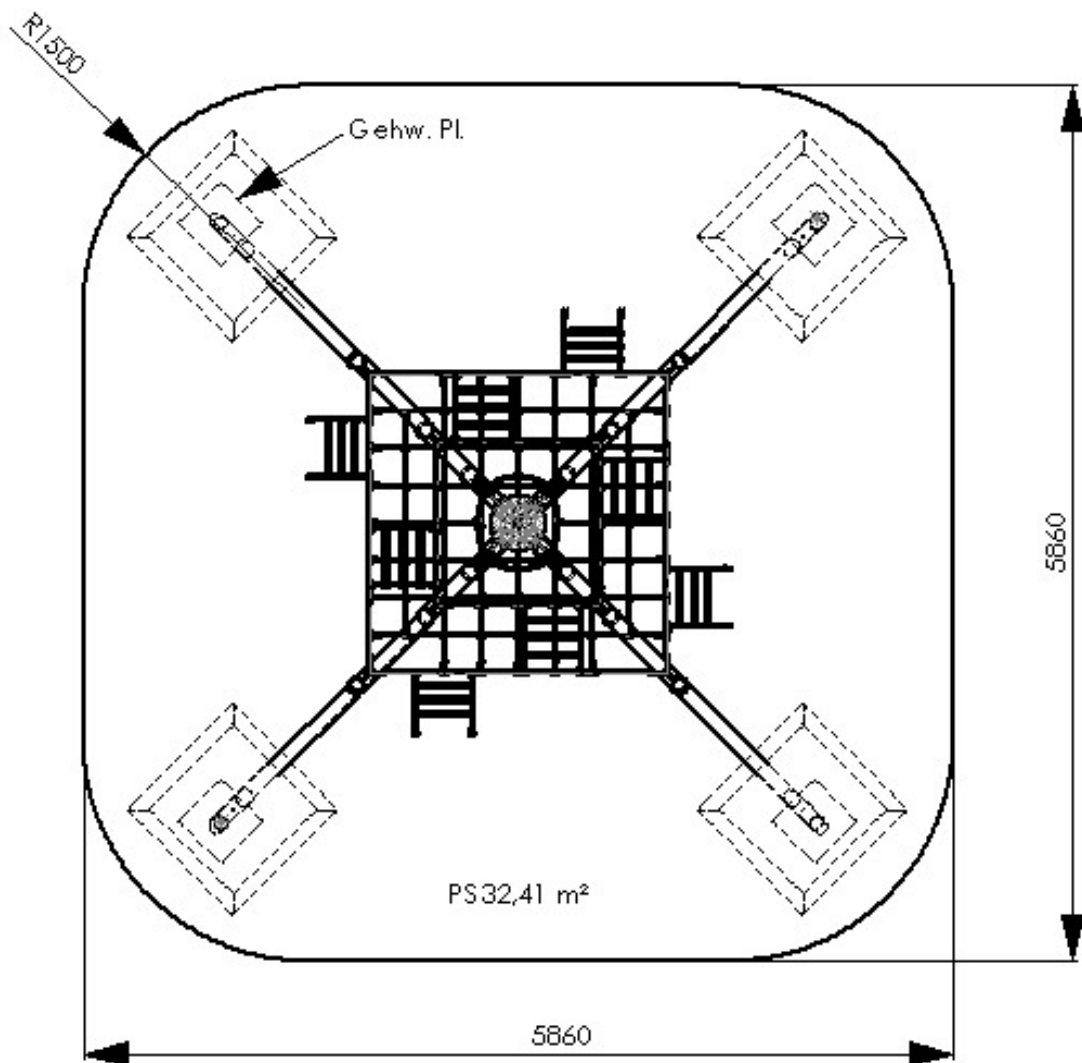
## 2.2 In Symbols

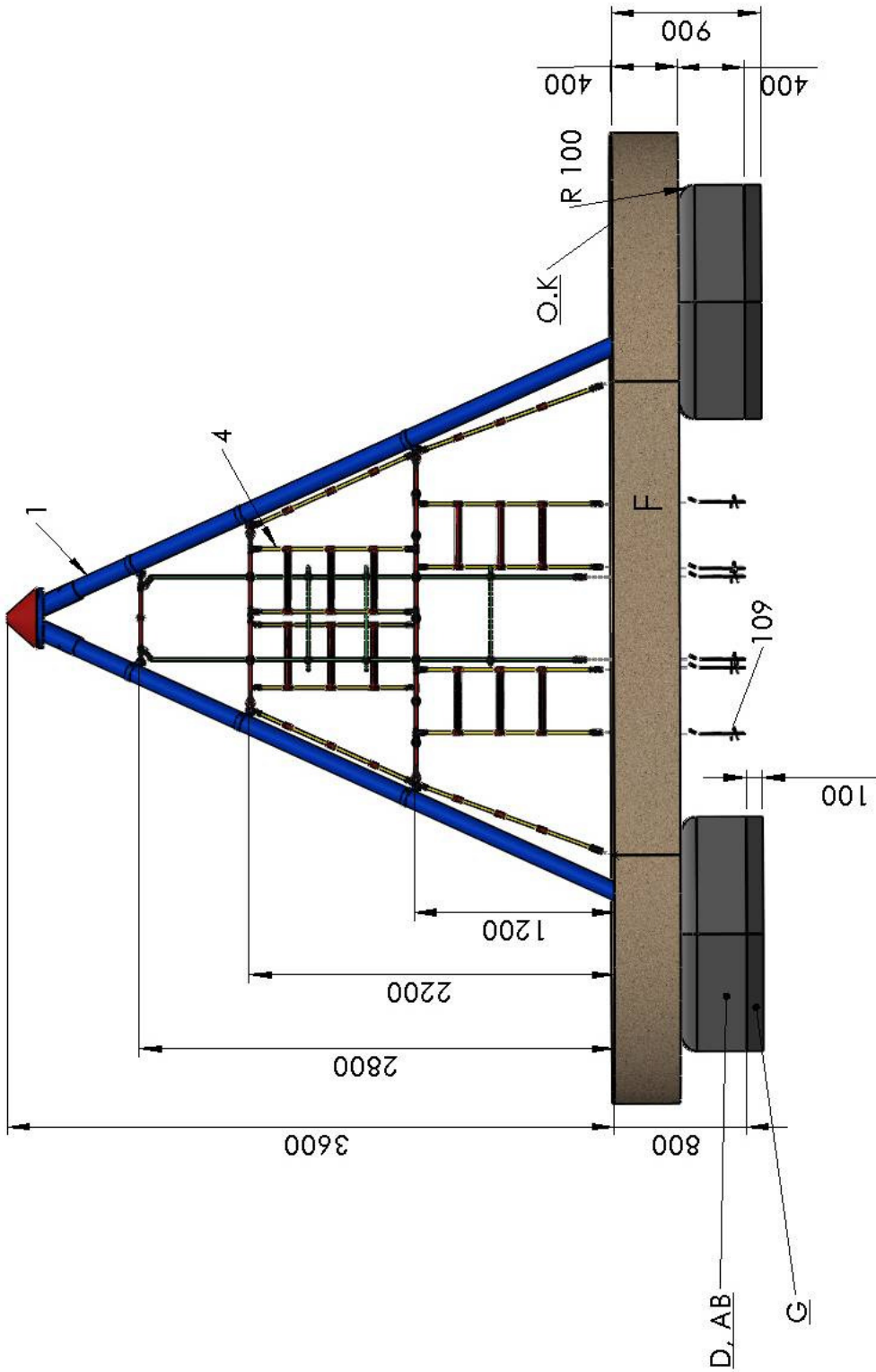
**Table 3-1: Delivery Contents, in symbols**

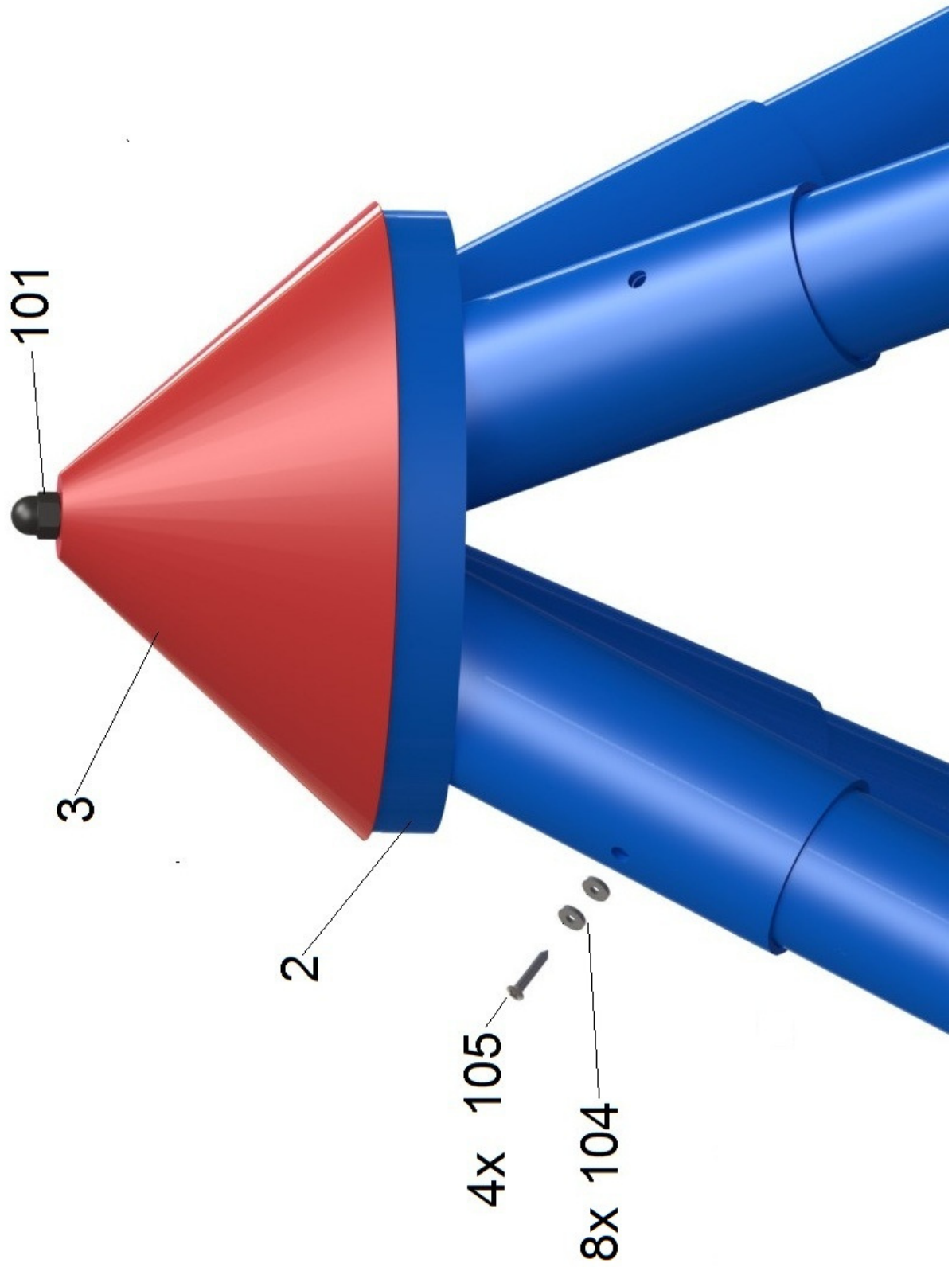
Pos.	Quantity	Symbol	Size
1	4		Steel mast Ø 102 mm, 5.00 m long
2	1	 Headstock	for 102 mm Steel Mast
3	1	 Cover Cap	Ø 360 mm
4	1	 Complete Net	
100	1	 Threaded Bolt	M16 x 165 mm
101	1	 Nut Caps	M16
102	1	 Stop Nut	M16
103	1	 Nut	M16
104	1	 Washer	17

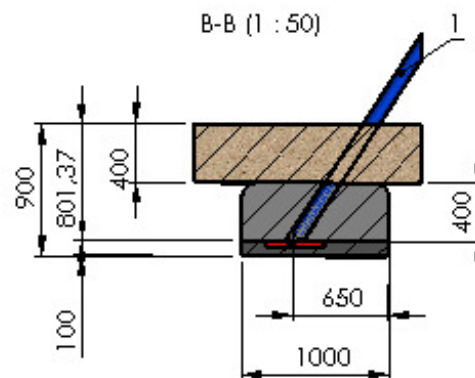
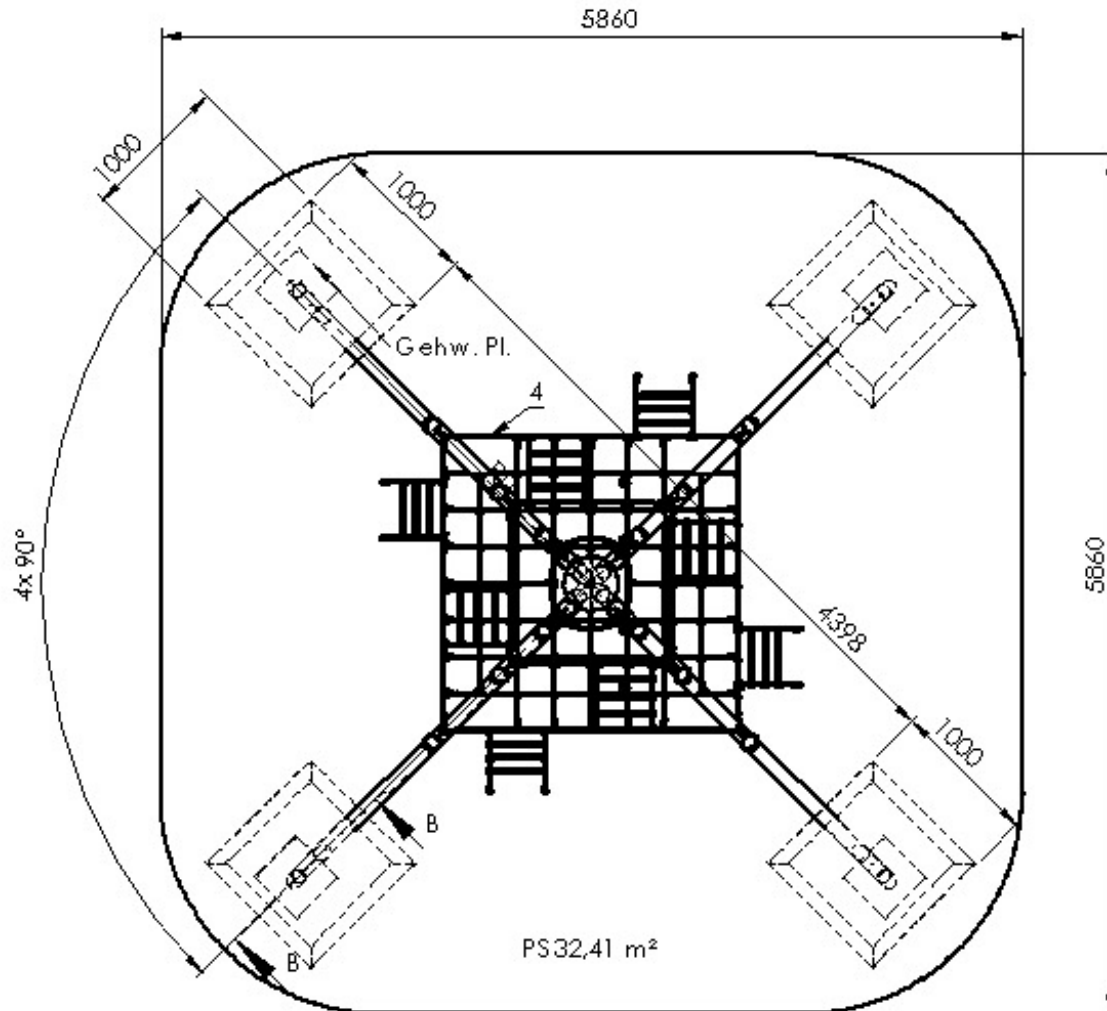
Pos.	Quantity	Symbol	Size
105	4	 Self Tapping Screw	5,5 x 25 mm
106	8	 U- Disc	B6
107	12	 Clamp	für Ø 101,6 mm
108	4	 Clamp with Thread	für Ø 101,6 mm
109	12	 Ground Anchor	
		<b>Paint Brush and Roller</b>	
		 Blue Paint (ca. 2 Liter)	

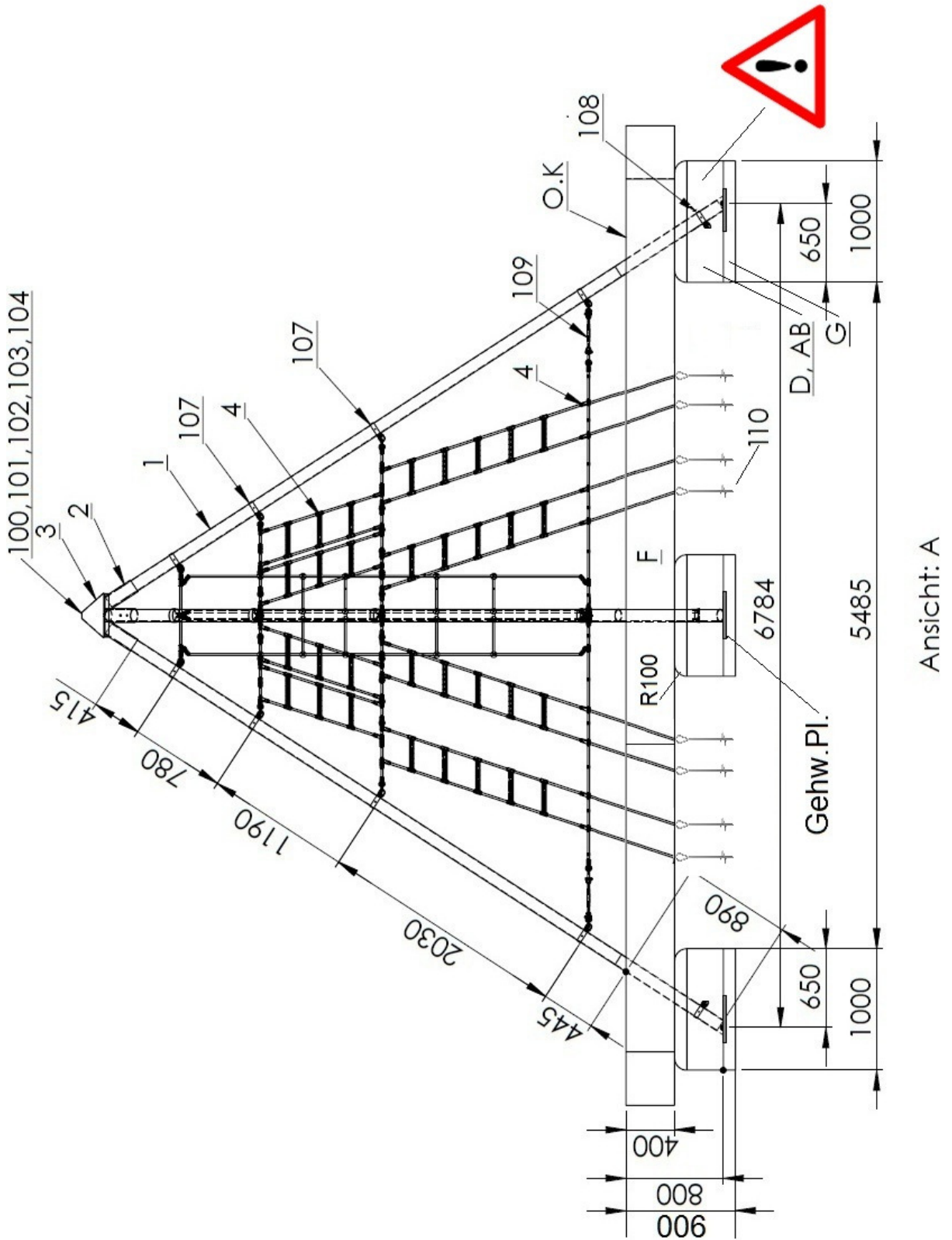
### 3 Erection Instructions













Ansicht: A

	<b><u>Symbols and abreviations:</u></b>
<b>AB</b>	Setting time 7-8 days
<b>D</b>	C25/30 for foundation Required Concrete:1,6 m <sup>3</sup>
<b>Dt</b>	Detail View
<b>F</b>	Fall Protection
<b>G</b>	Drainage Layer 10 cm
<b>Gehw. Pl.</b>	Provided by Customer
<b>O.K</b>	Ground Level
<b>PS</b>	Space Requirements including safety surfacing ~32,45 m <sup>2</sup>
	<b>Round off foundation edges (min.R = 100mm) sizes of foundations are designed for soil class „4-5“ (natural ground)</b>
	<b>Soil Class 4: soft to medium plasticity, interleave bound with minor portion of stone (portion &lt;30% with bigger diameter of 63mm grain size).</b> <b>Soil Class 5: ground with soil class 3 and 4 with big portion of stones (portion&gt;30% with bigger diameter of 63mm grain size)</b> <b>In case of sandy and soft soils, the surface measure of foundations have to be enlarged for about 50%!</b>

**See drawings for details of shortcuts**



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## 4 Post Installation Checks

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**ATTENTION**

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

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### 4.1 Marking Filler Depth

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

### 4.2 The Equipment has not been installed safely in the following cases:

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

### 4.3 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 carried out.

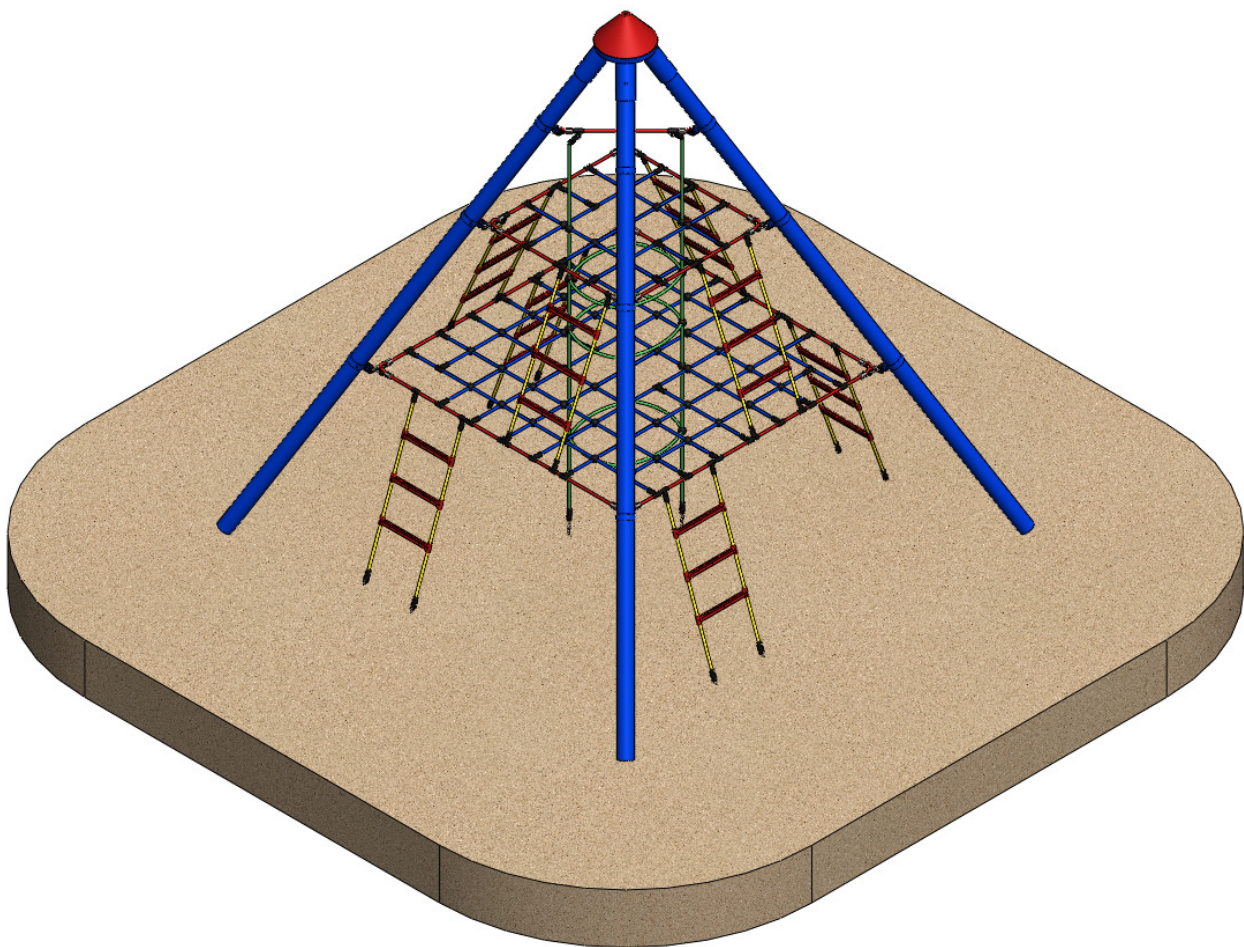
### 4.4 Information about inspection of the equipment before it is used for the first time

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

### 4.5 Retighten Bolts

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

**B Maintenance Instructions**  
**Midi Climbing Teepee**  
**Art. 4587-23**



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## 5 Introduction Maintenance

### 5.1 General Information

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



**Hinweis**

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

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



**ATTENTION**

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.

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**This maintenance instruction is based on the standard  
“EN1176”**

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## **6 General Maintenance Information**

### **6.1 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.

### **6.2 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.

### **6.3 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.

### **6.4 Spare parts**

All spare parts must conform to the manufacturers specifications.

### **6.5 Identifying Spare Parts**

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

### **6.6 Special Instructions for the disposal of individual equipment components**

No special instructions are necessary

### **6.7 Special Measures During the Break-In Period**

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

### **6.8 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.

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## 6.9 Faults

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**ATTENTION**

Damages must be repaired as soon as they are detected if serious defects that affect the safety cannot be repaired straight away, the playground item must be blocked with immediate effect.

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## 6.10 Loose Screws

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**ATTENTION**

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.

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## 6.11 Preventing Equipment Use

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

## 6.12 Claims/Liability for Faults! (Steel Posts)

Steel Posts and footings are covered by our guarantee if regular maintenance is carried out and recorded in writing. Our General terms and conditions apply. Maintenance of steel poles takes place after 3 years. The steel posts must be excavated down to the concrete foundations and checked for corrosion. Zinc paint should be applied to any corroded areas and scratches. Check ropes for abrasion, replace ropes where coating is damaged down the steel inlet.

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## 8. Maintenance Timetable

### 8.1 Special Advices

### 8.2 Maintenance Interval

We strongly advise you 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.

### 8.3 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.

### 8.4 Faults that Compromise Safety

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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

### 8.5 Faults that compromise Function

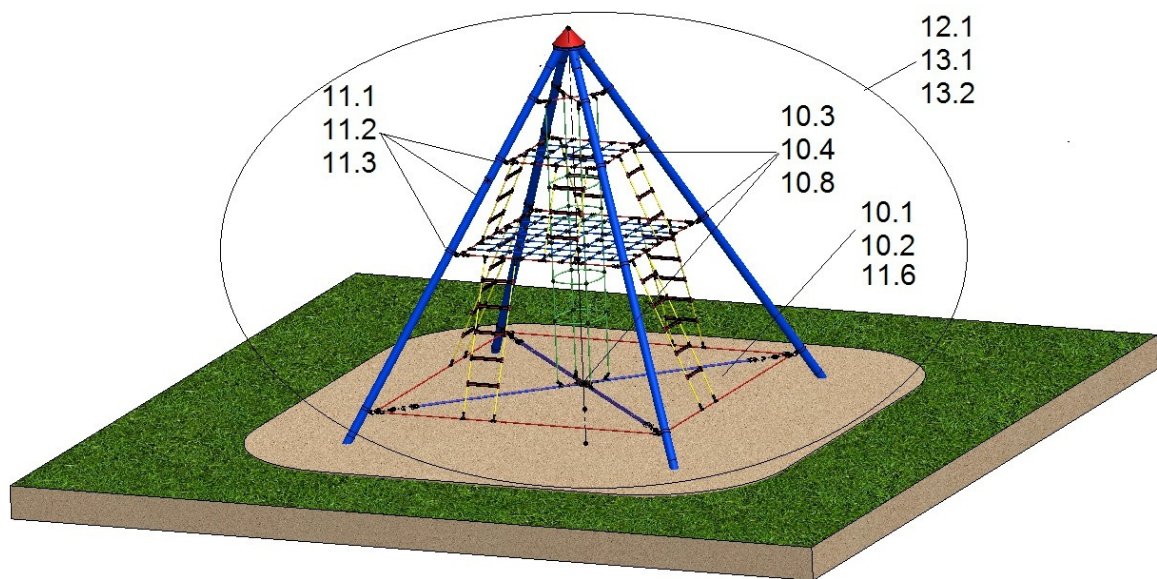
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Faults that compromise function should also be repaired immediately. Such faults lower the value of the equipment to the user and encourage malicious vandalism, which may render the equipment less safe. Any damage should also be repaired immediately.

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## 9 Maintenance (Illustration)



## 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 of 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 material 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 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** Tightened all forms of attachment.
- **11.3** Repaint and re-treat surfaces.
- **11.4** Maintenance of fall protection surfaces.
- **11.5** Lubrication of Joints.
- **11.6** Check height of fall protection material and top up with loose filler if necessary. If posts are labelled, top up to the mark.
- **11.7** Retighten all bolts.



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## 12 Half Yearly Maintenance

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

## 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.



**Attention**

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.**

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## 14 Maintenance Printout

Name of Item: Midi Climbing Teepee \_\_\_\_\_ / Art. 4587-22 \_\_\_\_\_

Location: \_\_\_\_\_

Customer or Operator: \_\_\_\_\_

(Local Authority, Schools)

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 Fax 01308 458109 or email sales@hucknetting.co.uk



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## 15 Hand Over Document

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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.

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Art.-NO.: 4587-22

Type of Item: Midi Climbing Teepee

Serial Number: \_\_\_\_\_

**Customer or Operator (Local Authority, School, 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: \_\_\_\_\_

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