

A Assembly Instructions

Bouncer-Trampoline „Circus Maximus”

art.no. 20.02.104
(Fallprotection panel 40 mm)



Non-binding image similar to article 20.02.104

Operator : _____

Site : _____

Revision history

Revision 0 – 2014-07-15

First approved version

Assembly instructions AR

Revision 3– 2018-01-07 Fallschutzmatten 40mm FH

All rights reserved.

© Copyright 2014 Spogg Sport-Güter GmbH

Contents

A	Assembly Instructions for Bouncer-Trampoline „Circus“ Maximus, Art. 20.02.104	1
1	Introduction Assembling	4
2	Datasheet Bouncer-Trampoline „Circus“ Maximus, article 20.02.104	6
3	Delivery contents (parts list with part numbers).....	8
4	Assembly instructions	12
5	Post installation checks.....	29
B	Maintenance Instructions for Bouncer-Trampoline „Circus“ Maximus, Art. 20.02.104	31
6	Introduction Maintenance	33
7	General maintenance information	34
8	Maintenance timetable	36
9	Regular maintenance	37
10	Monthly maintenance	38
11	Quarterly maintenance.....	38
12	Semi annual maintenance.....	38
13	Annual maintenance.....	39
14	Maintenance printout	41
15	Hand over document	43

List of Tables

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

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.

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



Following installation, complete assembly instructions, maintenance instructions and 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.

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 the further development of our articles.

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 and measurements below upper edge ground level/play area.

2 Datasheet Bouncer-Trampoline „Circus“ Maximus, for ground level installation, art. no. 20.02.104

1. Space requirement: Ø 2,50 m

Safety zone: Ø 5,90 m

Height of fall : up to 1,00 m

2. Required impact absorbing playground surfacing:

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

3. Name and overall dimension of the largest component:

Trampoline (1 item) Ø 2,50 m

4. Name and weight of the heaviest component:

Trampoline (1 item), 340 kg

5. Intended age group: 3 years and over

6. **Please note that this equipment is to be installed in a pit.**

Area to be excavated:

Ø 3,00 m, total depth 0,595 m including 10 cm drainage.

7. Assembly time, once foundations complete: 2-3 hours.
Required assistance: 4 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 EN 1176.**

3 Delivery contents (parts list with part numbers)

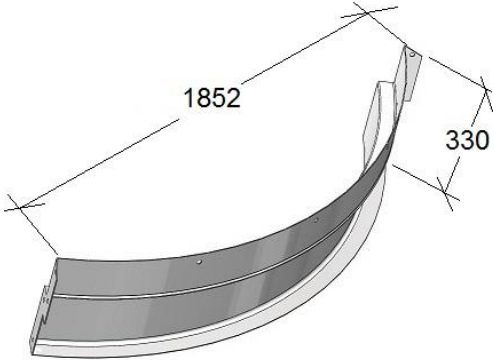
3.1 In words

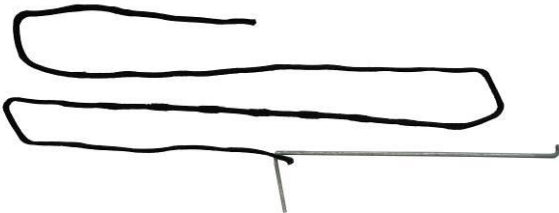
Table 3-1: Delivery contents, in words

Pos.	Quantity	Element / Description	Size	O.K.	Missing
1	4	Plastic frame for dig in	Ø 2,62 m - GFK		
2	16	fitting	M10 x 25 verz.		
3	4		Ø 2,50 m verz.		
4	16	6Kt screw	M12 x 20 - VA		
5	16	stop nut	M12 - VA		
6	4	8er straight shackle	8mm - VA		
7	4	tension cord	ca. 1,5 m		
8	1	Jumping mat membrane pre-assembled,	Ø 1,95 m x 9 mm		
9	40	Tension springs "soft"	Draht Ø 3,6 mm		
10	1	tension cord	ca. 1,2 m		
11	1	Spring hook "large"	ca. 30 cm		
12	1	Spring hook "small"	ca. 15 cm		
13	40	labels	45 mm x 45 mm		
14	8	Impact protection slab			
15	1	Glue-2K	4,5 kg bucket + 0,5 kg socket)		
16	1	Foam cord gray	Ø 25 mm x 8 m - PE		
17	1(2)	Pipes or wooden beams (on site)	ca. 2,5 m		

3.2 In symbols

Table 3-2: Delivery contents, in symbols

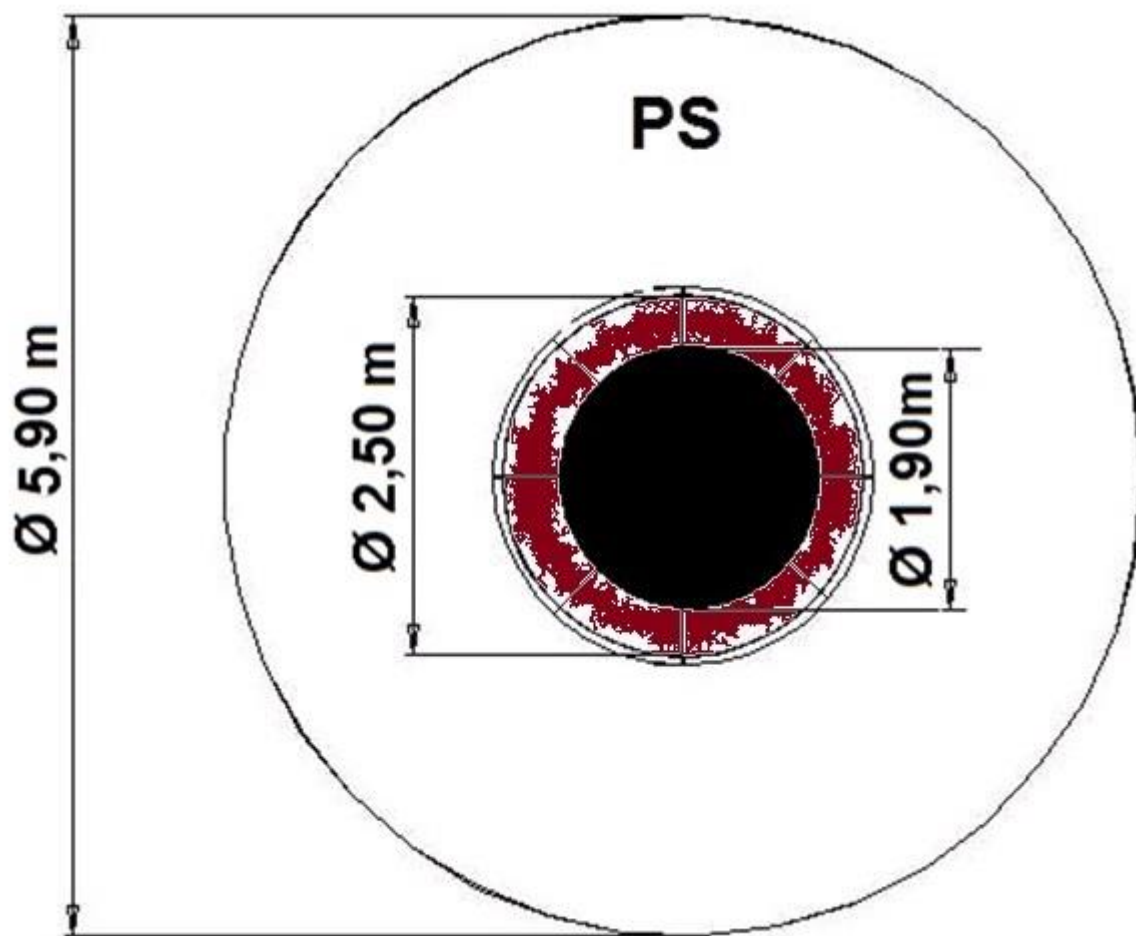
Pos.	Stück- zahl	Symbol
1	4	 Plastic frame for dig in
2	16	 fitting
3	4	 Spring frame segment With. Bearing bush for tension spring
4	16	 M10
5	16	 stop nut M10
7	4	 tension cord ca. 1,5 m / Ø 6 mm

Pos.	Stück- zahl	Symbol
8	1	 Jumping mat membrane pre-assembled,
9	40	 Tension springs "soft"
10	1	 + tension cord ca. 1,2 m
11	1	 Spring hook with pull cable
12	1	 Spring hook "small"
13	40	 labels 45x 45 mm
14	8	 Impact protection slab

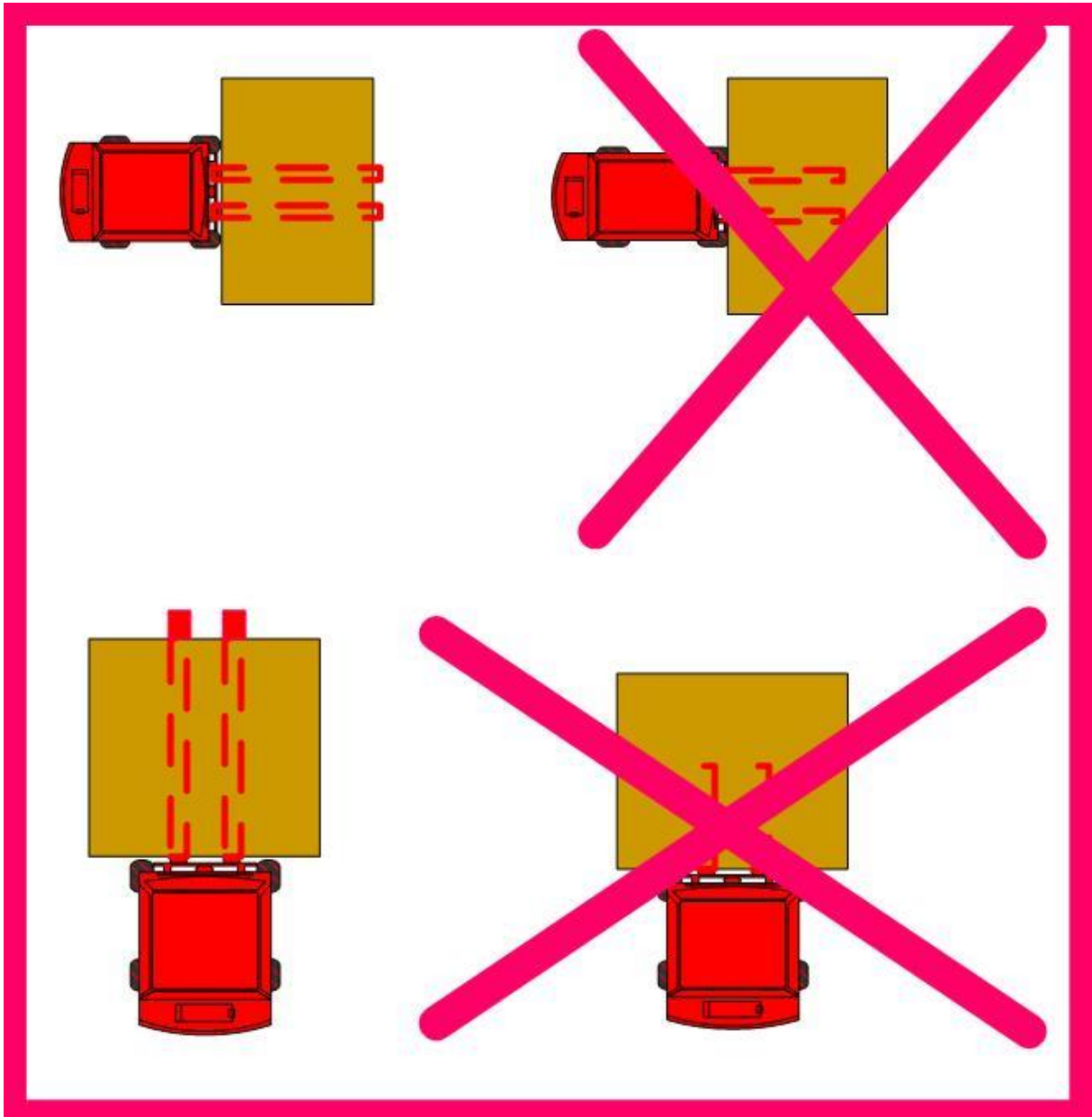
Pos.	Stück- zahl	Symbol
15	1	 Adhesive + hardener
16	1	 Foam cord 8,00 m long / Ø 20 mm
17	1 (2)	 Pipes or wooden beams (on site)

4 Assembly instructions

Instructions for installation in the pit



Warning!!!



Transport and handle with care !!!

Check the trampoline before and after unloading for defaults on the frame (bending, deformations) and for damage on the fall protection boards

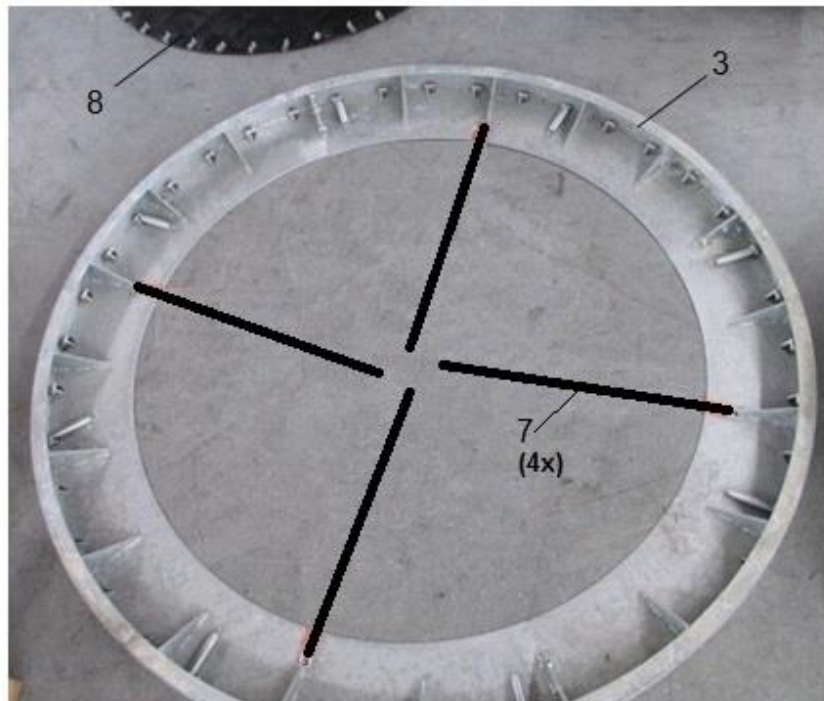
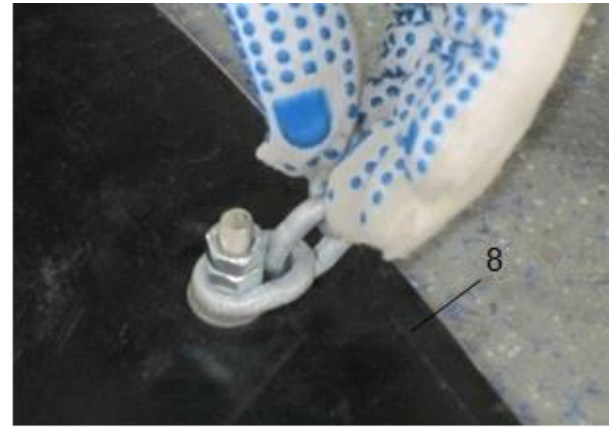
Do not lift by gripping the inner board rims.

Removal and removal of the tension spring delivery

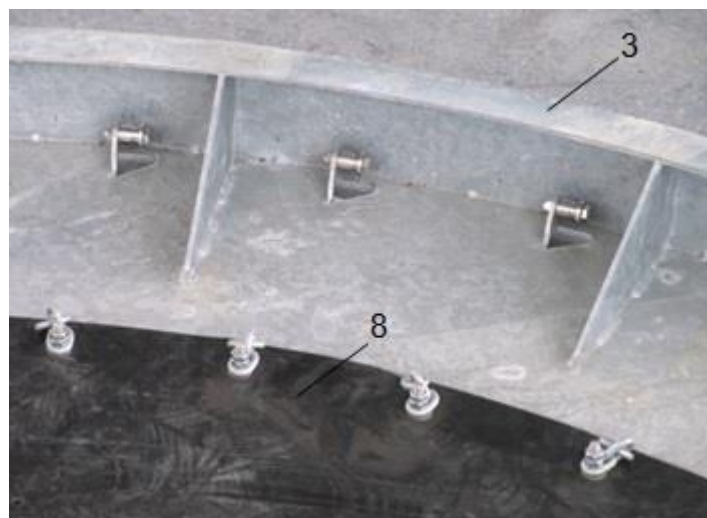


Align the spring frame segments and screw them together.





8er straight shackle with tensioning straps – Mounting aid for the installation of the spring frame.

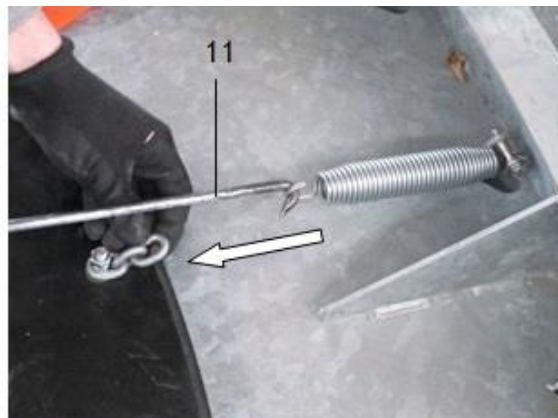




Insert the spring



Matting membrane with tensioning belt on chain link and spring bushing Fasten. Start with the assembly of the spring.

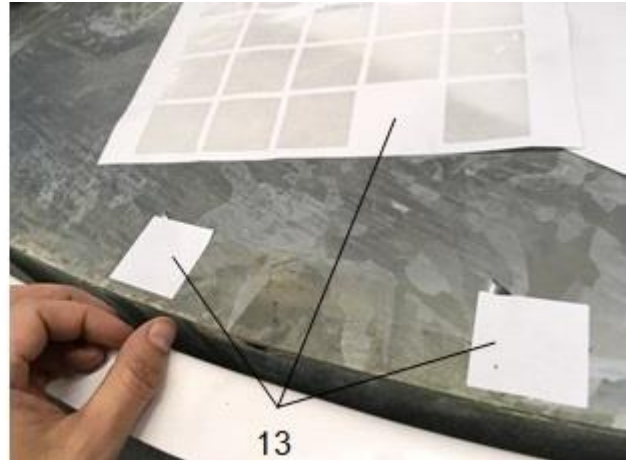
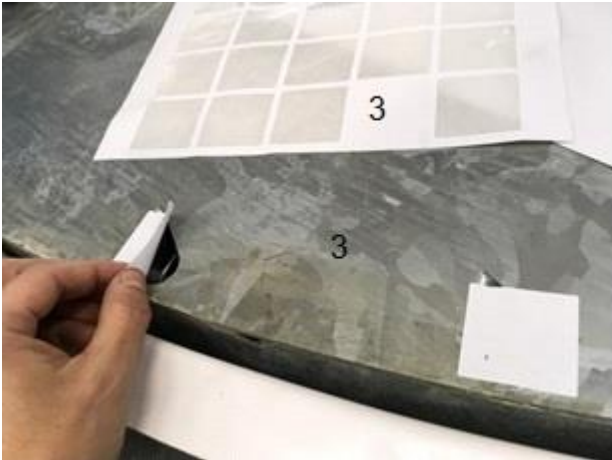


Chain links must not be twisted when the tension spring is inserted

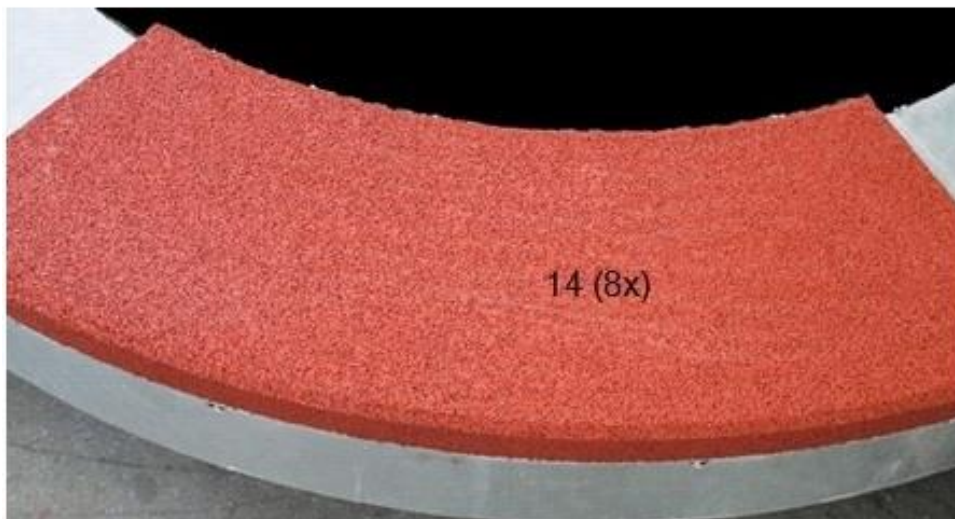


Place the first tension spring in the membrane opposite the tensioning strap.

8 Suspend the springs crosswise to center the mat. Then always 2 Suspend tension springs side by side and alternately opposite.



Cover the frames with labels.



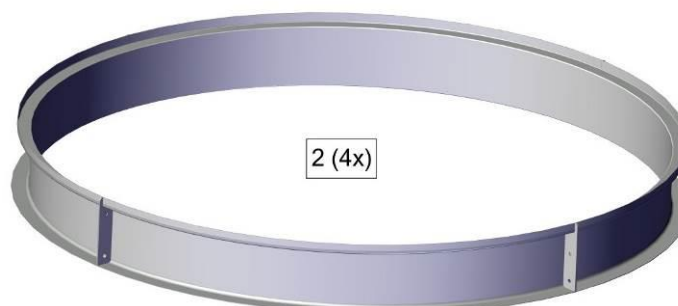
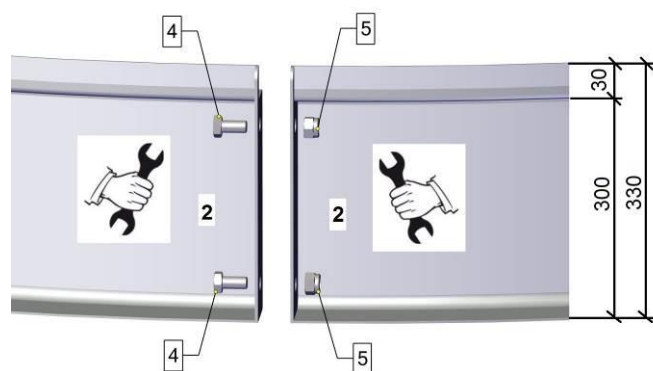
Always place the protective mats centered before gluing! The fall protection overhang to the jump mat must extend beyond the edge of the sheet in order to avoid injuries!

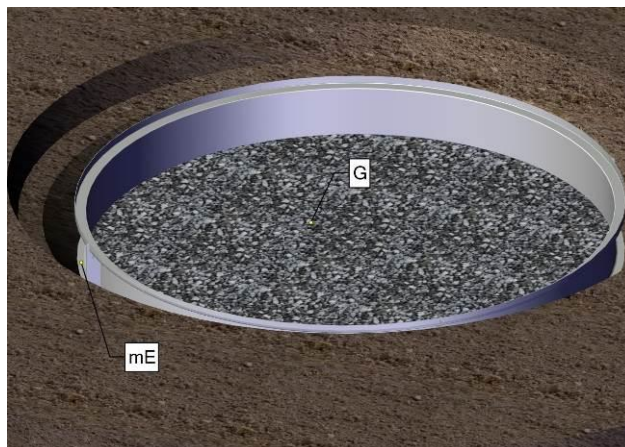
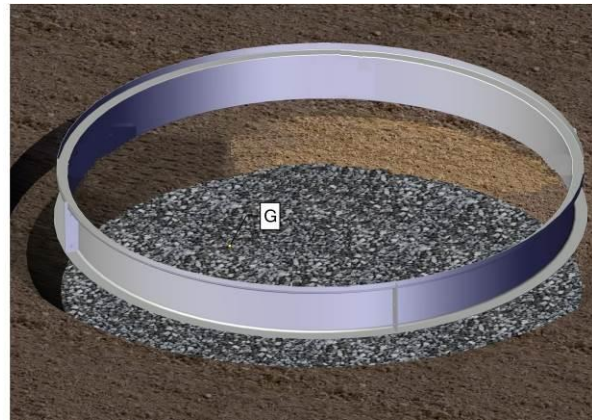
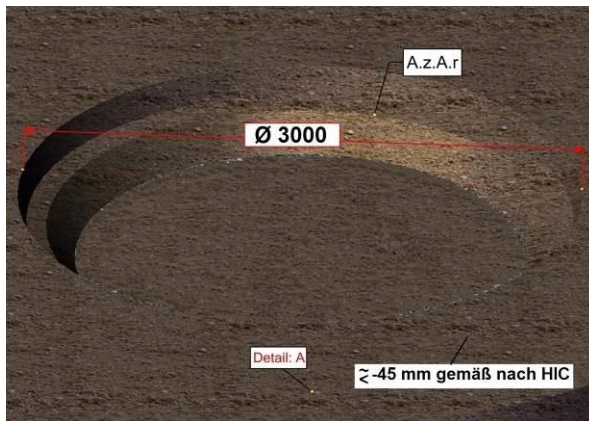
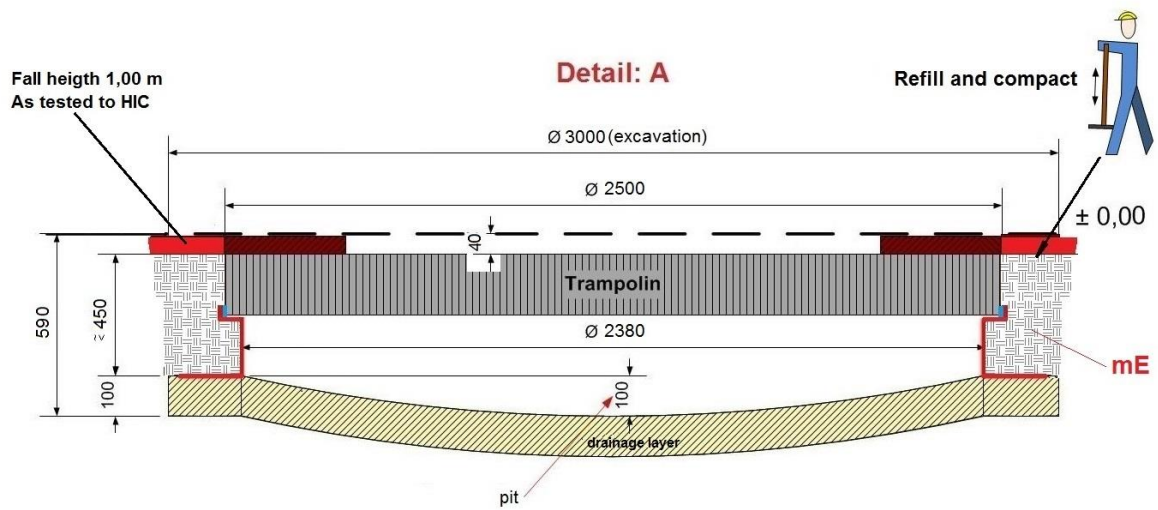


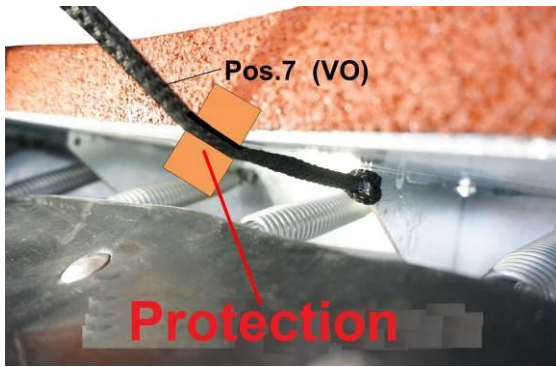
Cut the mat as required!

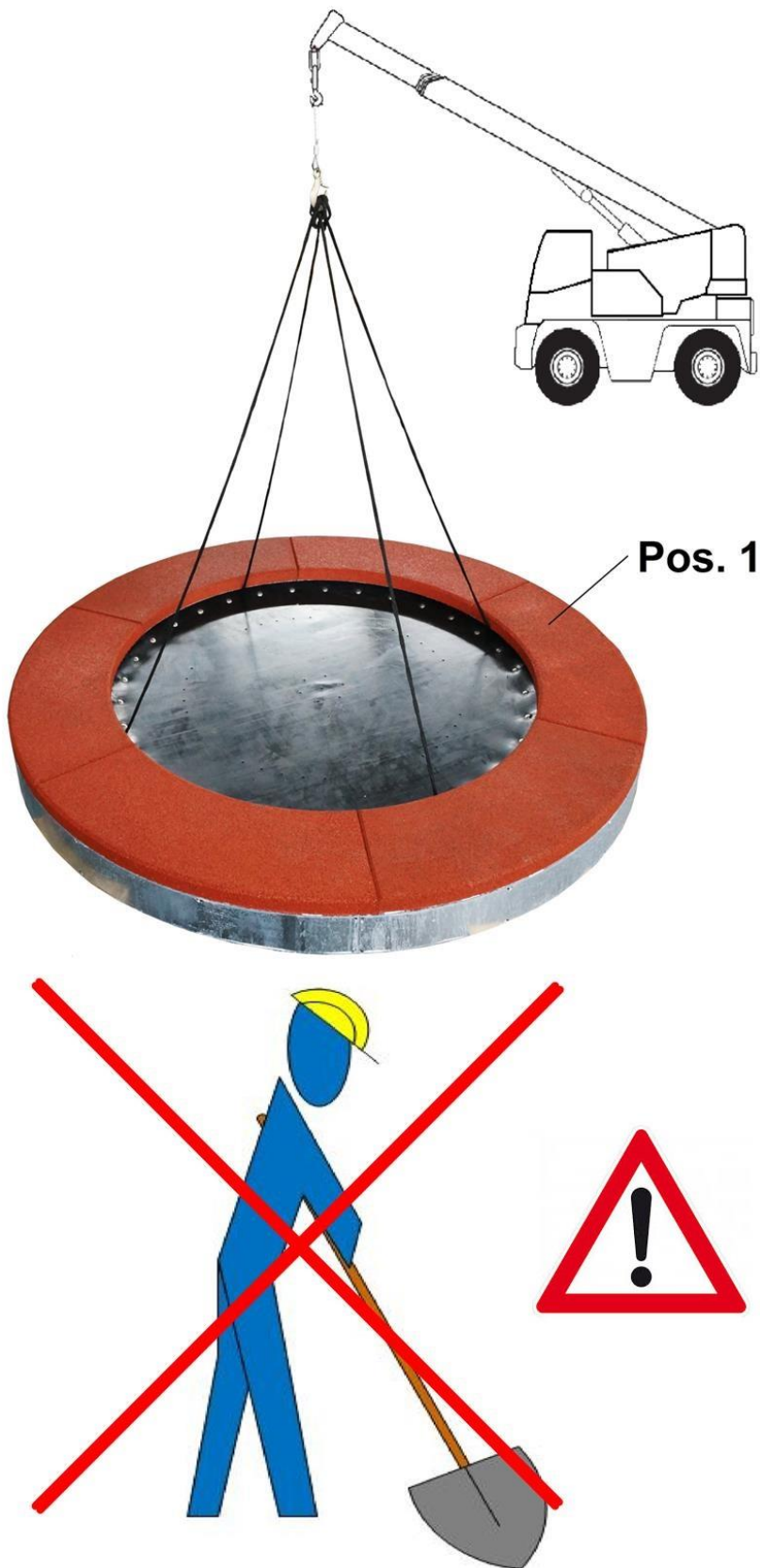


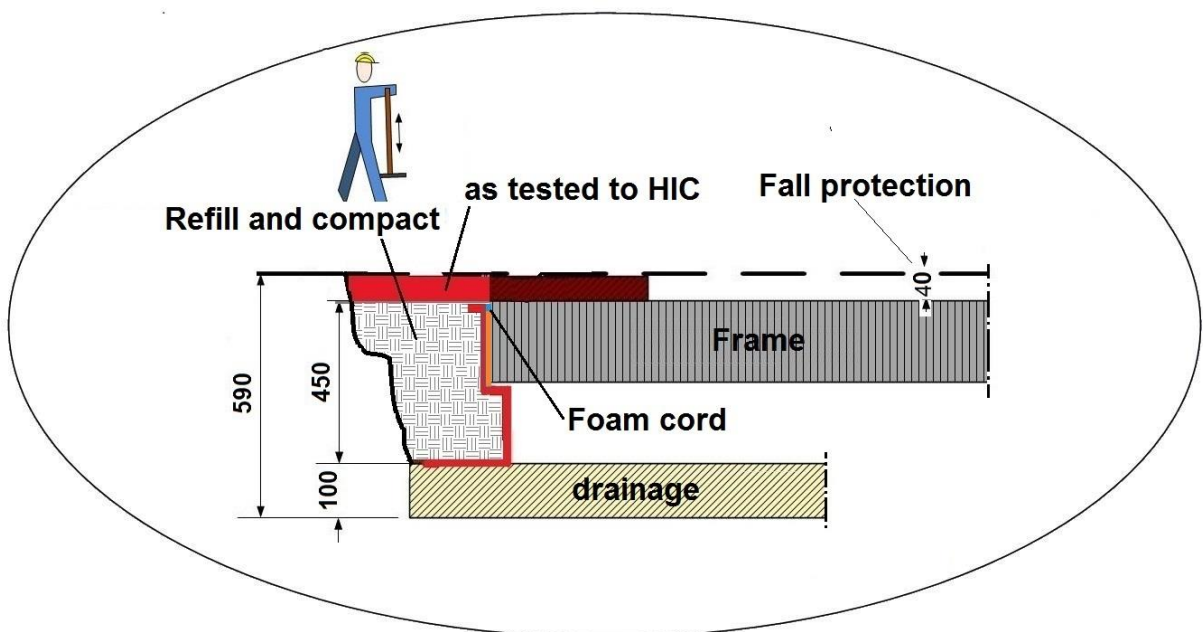
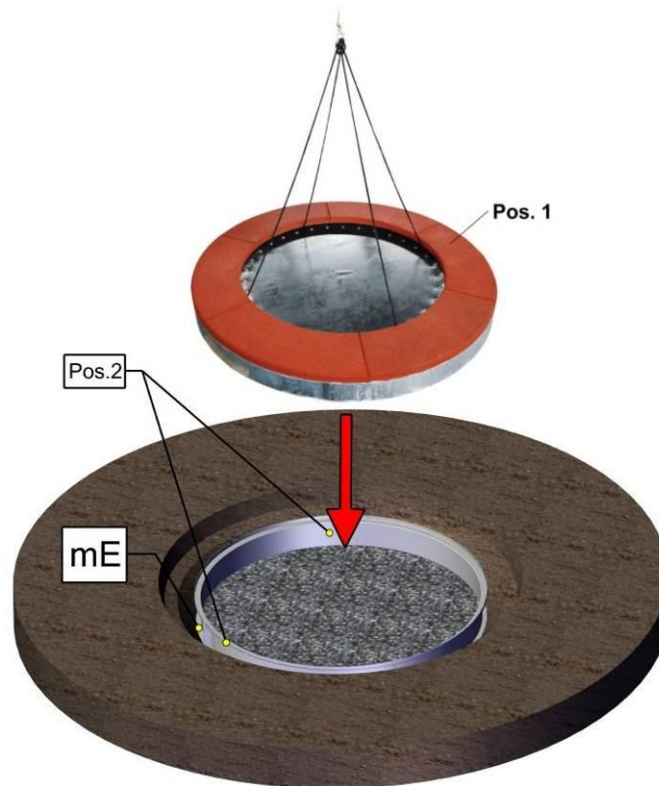
Apply adhesive and stick on safety mats continuously



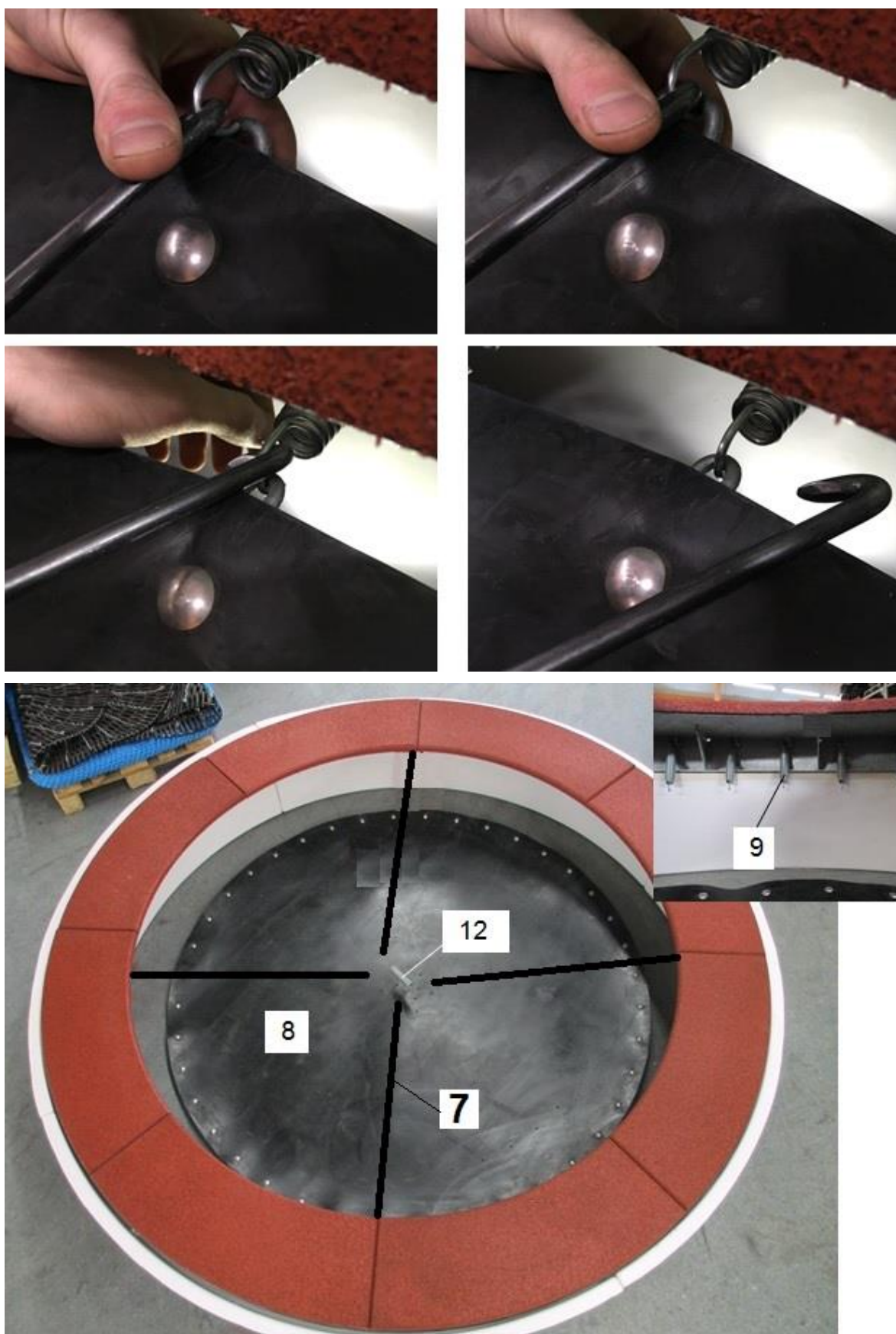




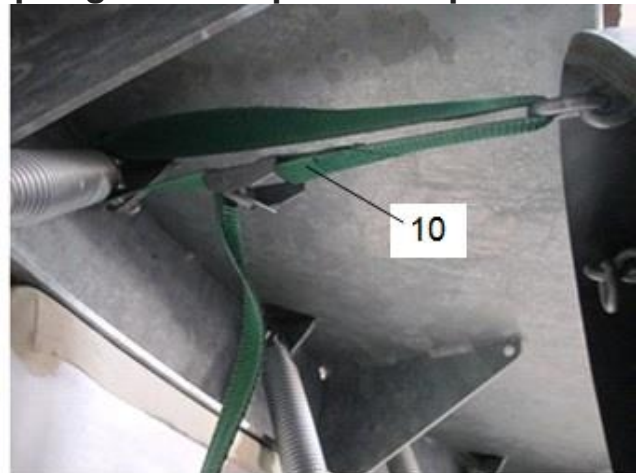
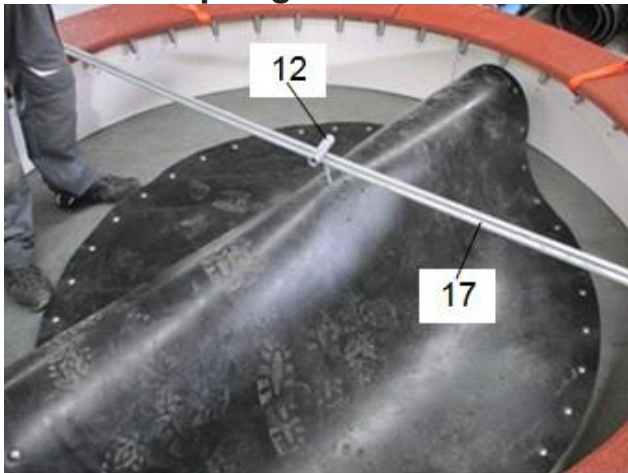








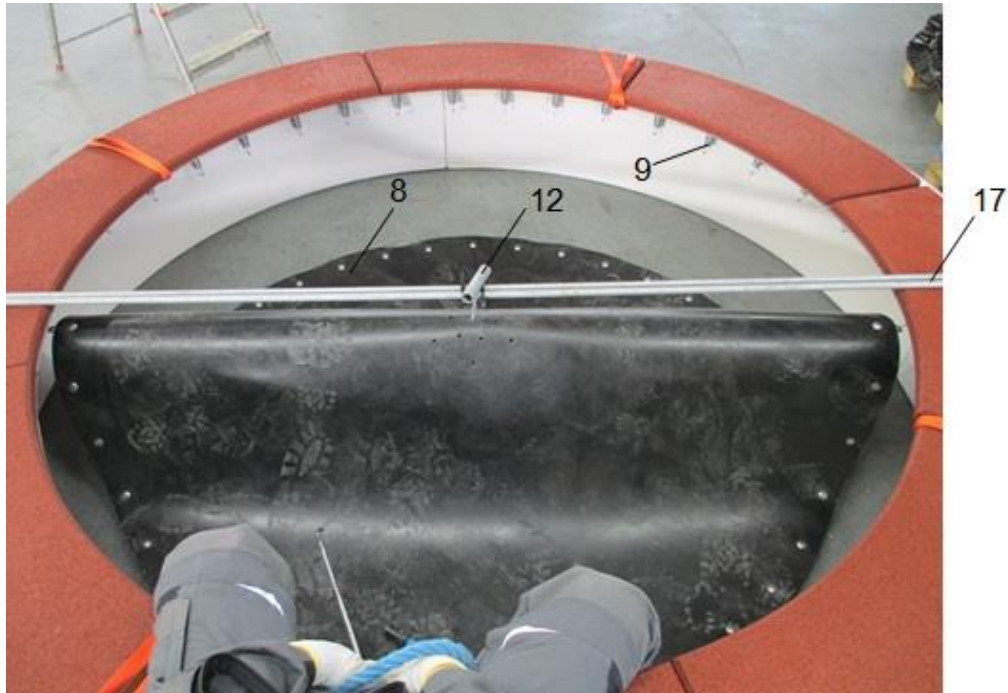
Place the spring hook "small" in the spring mat and press the place



Use auxiliary means (for example, pipes or beams) to raise the spring mat for easy mounting of the springs. Fasten the membrane to the spring retainer with the tensioning belt. On the opposite side begin to assemble the first spring.



Then hook the opposite tension spring



Fit tensioning strap 90 ° offset and opposite spring Hook.



	Abbreviations and symbols :
A.z.Ar.	<u>Excavation approx. Ø 3,00 m</u> Bouncer-Trampoline / frame (Ø 2,62 m) + separation gap + additional workspace
F	Fall protection
G	Drainage layer
O.K	Upper edge of playing level
PS	Safety zone
RST	Cleaning underneath the bouncer-trampoline mat : unhook the springs with a crooked wire tool
(Granulat)	Fill in the upper part of the separation gap (alongside the protection boards) with fine sand or granulate (see drawing)
RN	Cleaning / separation gap is compulsory for liquid impact absorbing playground surfacing. Lift up the bouncer-trampoline evenly with 4 persons. Clean, then lower again carefully into the pit to rest on the frame.
Lot ! OK.-Tr.	<u>Upper rim of bouncer-trampoline:</u> Position and level out exactly vertical and horizontal.
mE	Fill up with earth and compact.

See drawings

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 Instructions for Bouncer-Trampoline „Circus“ Maximus, Art.No. 20.02.104



Non-binding image similar to article 20.02.104

Revision history

Revision – 2014-07-15

First approved version

Maintenance instructions AR

Revision 3 – 2018-08-01 Fallschutz 40 mm FH

All rights reserved.

© Copyright 2014 Spogg Sport-Güter GmbH

6 Introduction Maintenance

6.1 General information

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.

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.

7.10 Faults



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.

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.

7.12 Preventing equipment use

The use of the equipment should be prevented in case of incomplete installation, disassembly, maintenance, repairs and faults.

7.13 Claims/liability for faults (steel poles)

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 first 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 to the steel inlet.

8 Maintenance timetable

8.1 Special advices

8.1.1 Maintenance interval

We strongly advise 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



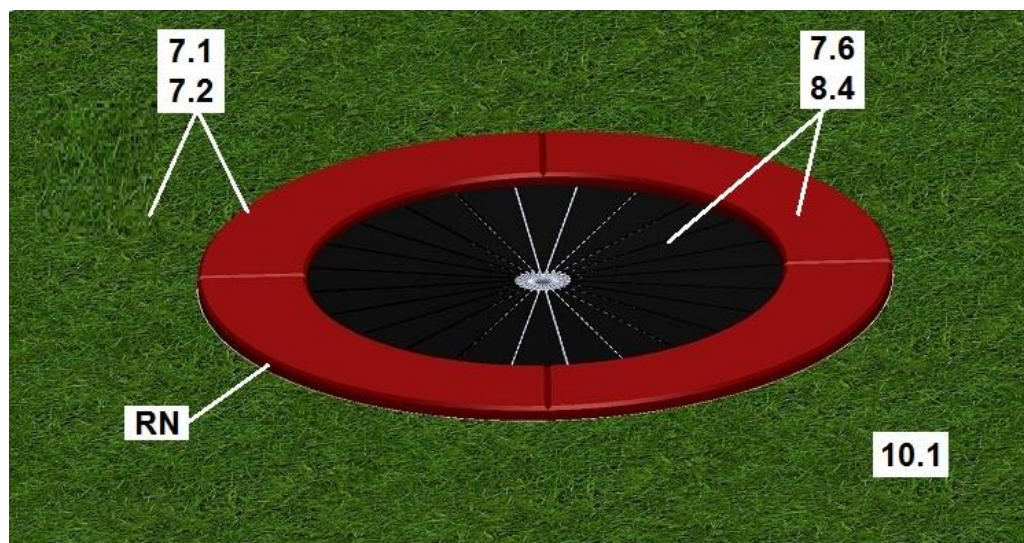
In the event of a fault that compromises safety, quick action must be taken. The item has to be blocked immediately and repaired or dismantled.

8.1.4 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 be repaired immediately.

9 Regular maintenance



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 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, 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 Semi annual maintenance

- 12.1 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

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.



The equipment must be inspected by someone **with the necessary expertise** in strict compliance with the instructions issued by SPOGG-Sport -Güter GmbH

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

14 Maintenance printout

Name of item: Bouncer-Trampoline „Circus“ Maximus / Art. No. 20.02.104 _____

Location: _____

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

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

Please copy and return once a year after main inspection has been carried out to the manufacturer by fax 0049 6443/ 811 269 !
Place the confirmation form in your existing 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.: 20.02.104

Type of item: Bouncer-Trampoline „Circus“ Maximus

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 print-out .

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

Date: _____