

A Assembly Instructions for bouncer 2017, art.no. 20.02.121 (Fallprotection panel 40 mm)



Operator : _____

Site : _____

Revision history

Revision 0 – 2018-02-15

First approved version JF

Revision 2 – 2018-05-15 40mm Fallschutzplatten FH
waren 30mm

Assembly instructions

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1 Introduction Assembling

1.1 General information

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



Attention

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.



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 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 bouncer 2017, art.no 20.02.121

1. Space requirement: 3.00m x 3,00m / including safety zone 6,35m x 6,35m
Height of fall 1,0m
2. Required fall protection:

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(Not recommended due to short maintenance intervals)	0,2 – 2 grain size	300	<= 2000
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:
bouncer (1 item) 3,00m x 3,00m
4. Name and weight of the heaviest component:
bouncer (1 item), 456 kg
5. Intended age group: 3 and above
6. **Please note that this equipment is to be installed in a pit.**

Area to be excavated:

3,10m x 3,10m, total depth **0,54m** including 10cm drainage layer.

7. Assembly time, once foundations are completed: 3 hours.
Required assistance: 4 people.
8. Any spare parts which may be required can be obtained directly from your supplier.

Drawings / Views

All optical drawings are showing only the measurements/dimensions and are not 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.

3 Delivery contents (parts list with part numbers)

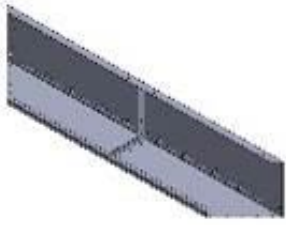
3.1 In words

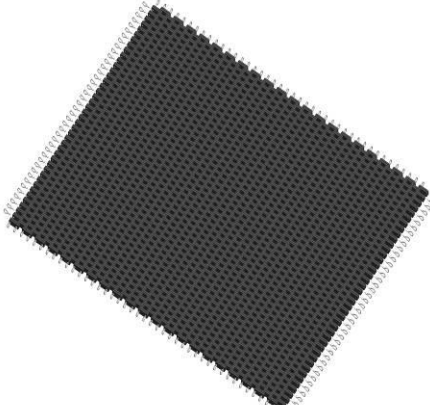
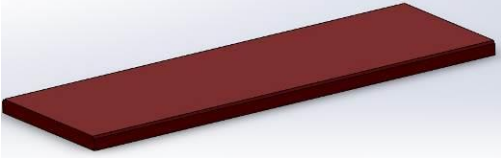
Table 3-1: Delivery contents, in words

Pos.	Quantity	Element / Description	Size
1	4	Frames	3.00 x 0,32 x 0,40 x 0,002m
2	4	Corner angles A	0,32 m x 0,40 m
3	4	Diagonal braces	990 mm long
4	4	Corner angles B	180 x 180 x ,50 mm
5	32	Fillister screws	M8 x 20 mm
6	24	Countersunk screws	M5 x 16 mm
7	24	Countersunk screws	M8 x 16 mm
8	56	Nylock nut	M8
9	24	Nylock nut	M5
10	4	Spring rod Ø 16 mm - prefitted	2750mm long
11	8	Hose clamp - prefitted	Ø 16 - 27 mm
12	1	bouncer mat	2,50 x 2,50 m
13	11	Rubber tiles	1000 x 325 x 40 mm
14	1	Glue 2-Component (4,5Kg bucket + 0,5kg can)	
15	1/1	Spring hook small/large	
16	106	Springs	Ø 3,6 x 24 x 180 mm

3.2 In symbols

Table 3-2: Delivery contents, in symbols

Pos.	Quantity	Symbol	Size
1	4	 Frame	3,00 m x 0,32 m x 0,40 m x 0,002 m
2	4	 Corner angles A	0,32 m x 0,40 m
3	4	 Diagonal braces	990 mm lang
4	4	 Corner angles B	180 x 180 x 50 mm
5	32	 Fillister screws	M8 x 20 mm
6	24	 countersunk screw	M5 x 16 mm
7	24	 carriage bolt	M8 x 16 mm
8	56	 Nylock nut	M8

Pos.	Quantity	Symbol	Size
9	24	 Nylock nut	M5
10	4	 Spring rod Ø 16 mm - prefitted	Ø 16 x 2750 mm
11	8	 Hose Clamp V2A	Ø 16 – 27 mm
12	1	 bouncer jumping mat	2,50m x 2,50m
13	11	 Rubber tiles	1000 x 325 x 40 mm
14	1/1	 Glue	
15	1	 Spring Hoohs	

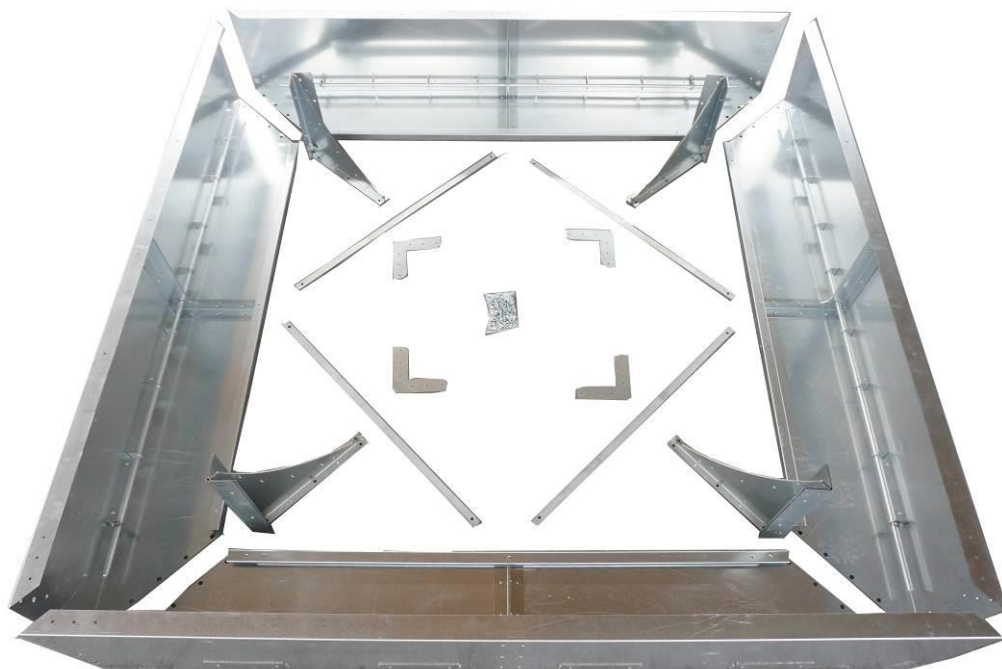
Pos.	Quantity	Symbol	Size
16	106	 Springs	Ø 3,6 x 24 x 180 mm

Required Tools

	2		Allen Key 5mm + 3mm
	2		Wrench 13mm + 8mm
	1		Cutter Knife
	1		Drill

	1		Paint mixer
	1		16 inch Square
	1		Shovel
	1		Notched Trowel
	1		Backhoe
	1		10,00m measuring Tape

4 Assembly instructions



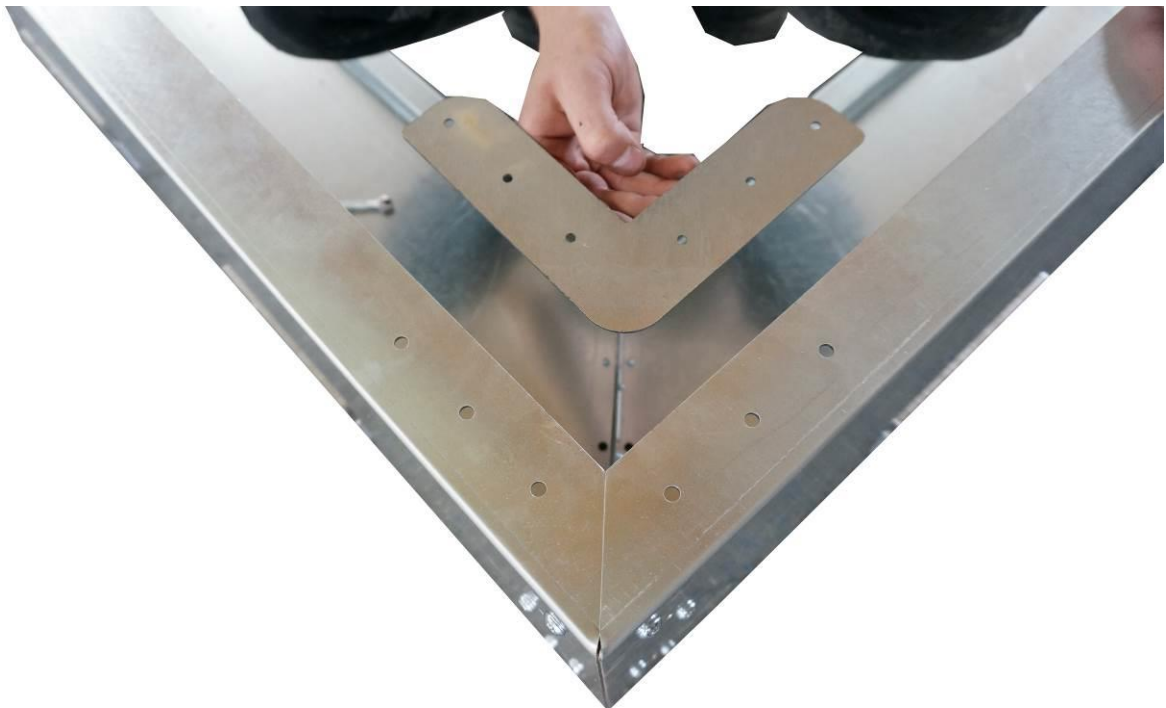
Place all parts (Pos. 1 through 9) as shown above on a level surface.



Place Pos.2 in all 4 corners of the frame.



Connect Pos.2 using Pos.5 and 8



Connect Pos.4



Connect Pos.4 using Pos.6 and 9



Connect Pos.3



Connect Pos.3 using Pos.5 and 8



Now all 4 corners of the frame should be connected.



Stand the frame up vertically.



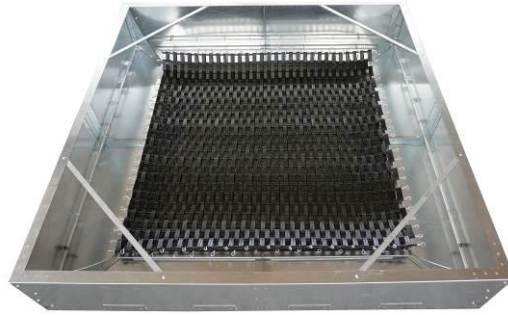
Finish connecting Pos.4 using Pos.7 and 8



Finish connecting Pos.4 using Pos.7 & 8



Lay the frame horizontally in the prior position.



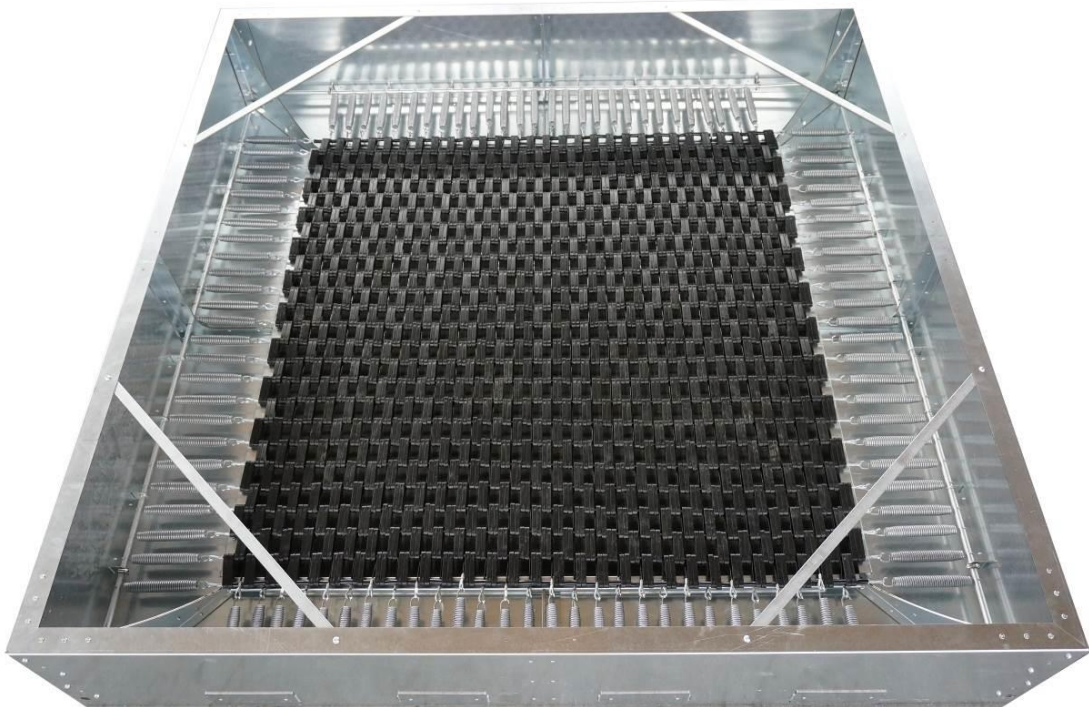
Roll out Pos.12 in the frame and equally center it.



**Connect all 4 corners of Pos. 12 (with 4 springs- Pos.16)
using Pos.15**



Connect all springs. While connecting springs you must simultaneously connect adjacent from each other (left side and then right side).



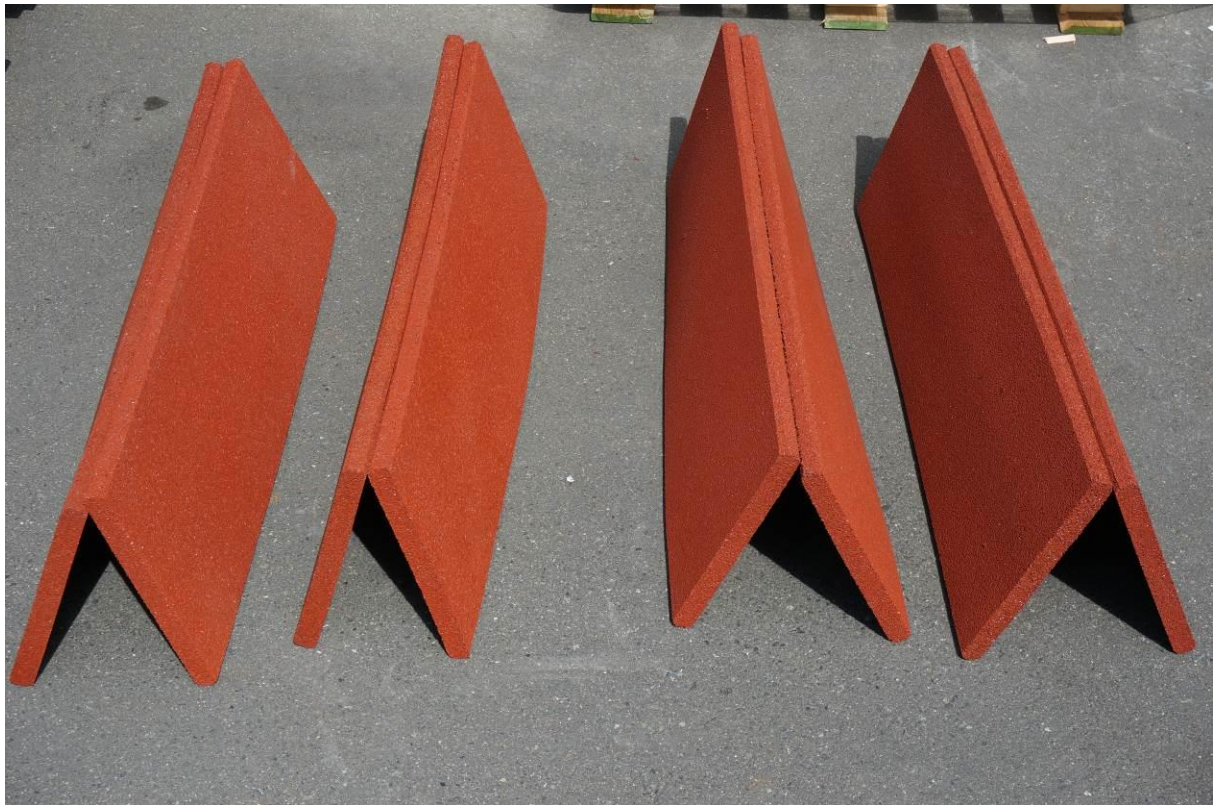
After all springs have been connected, assure that they are equally spaced and not rubbing on the frame.



Turn the frame over to prepare for installing Pos.13 and 14



Clean the top surface of the frame.



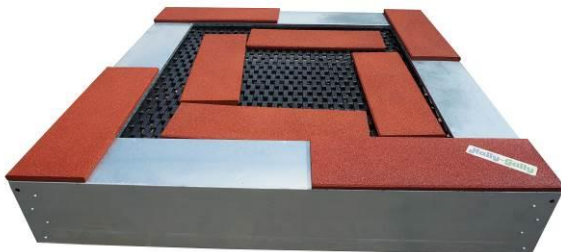
If Tiles (Pos.13) become wet? They must be completely dry before the glueing process begins?



Place Pos.13 onto the frame as shown above.



Tiles (Pos.13) should be flush with the outside of the frame and have a slight overlap on the inside of the frame



Remove the tiles that overlap and then measure the needed length.



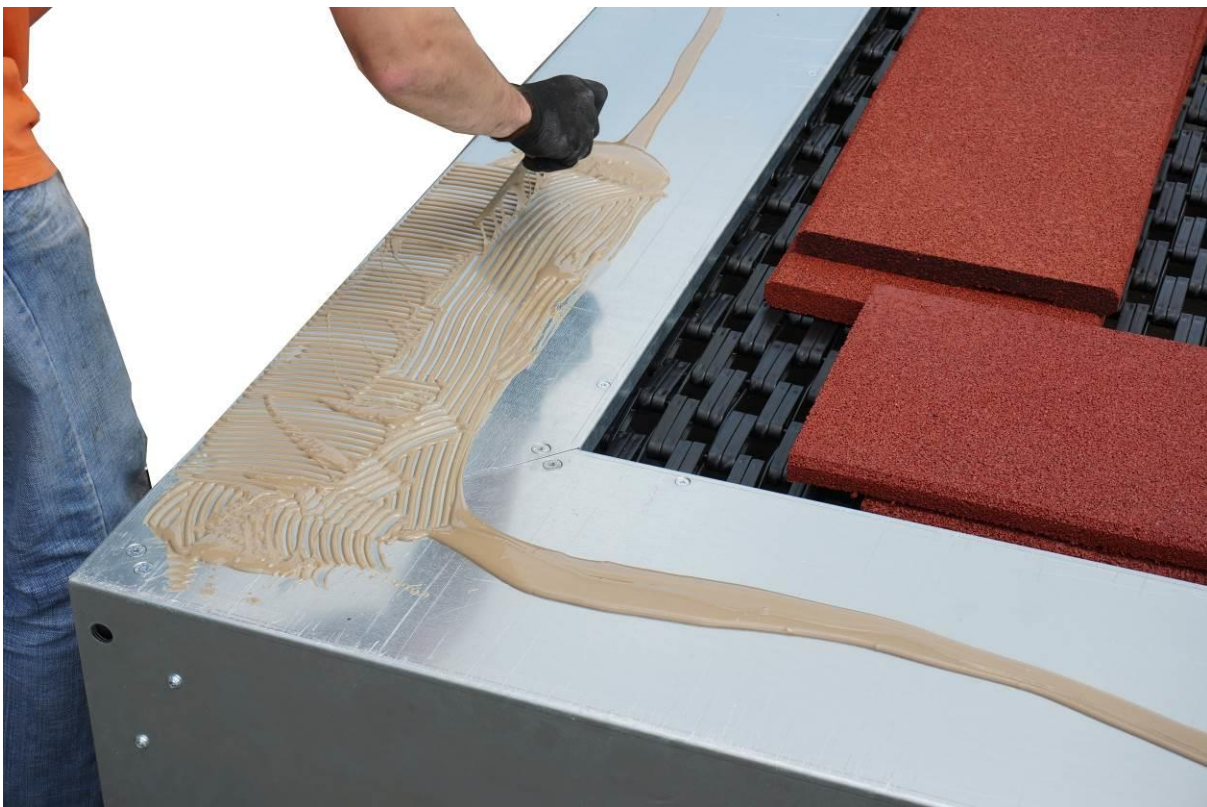
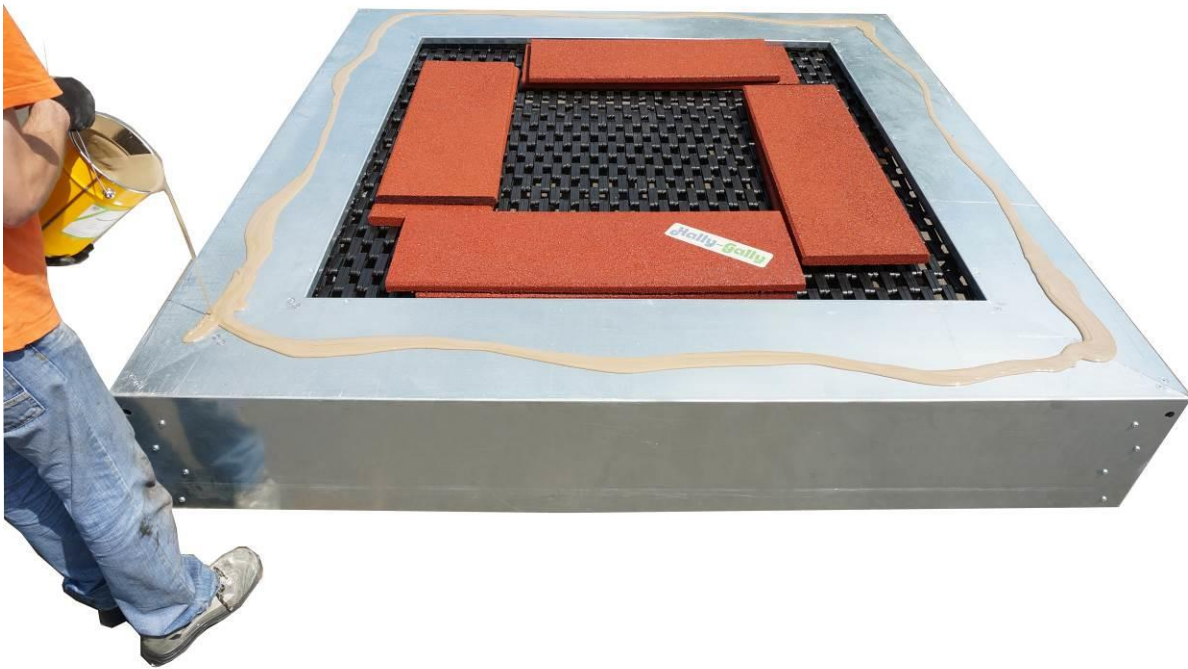
Measure and cut the tiles assuring that the cut is square!



Place all the tiles on the inside of the frame assuring you know where they were previously placed!



Mix the 2 component glue (Pos.14)

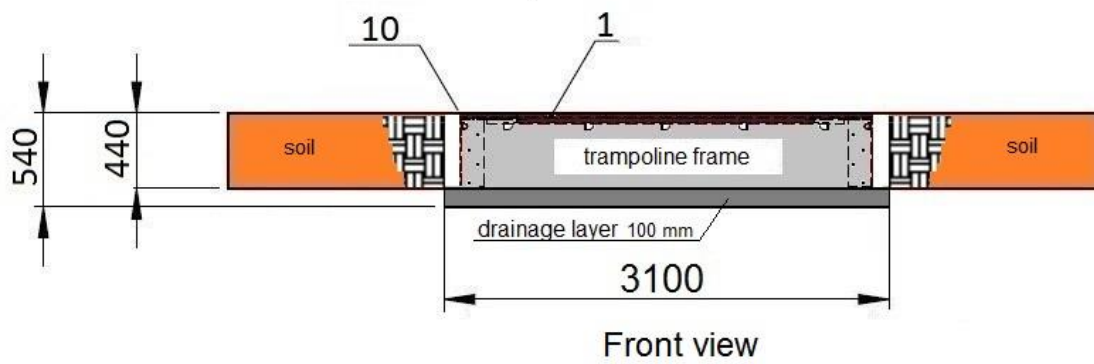
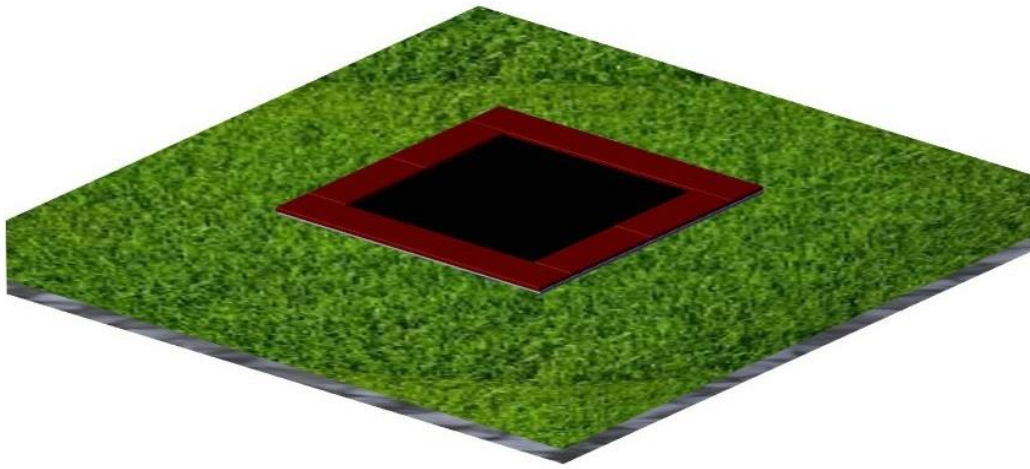


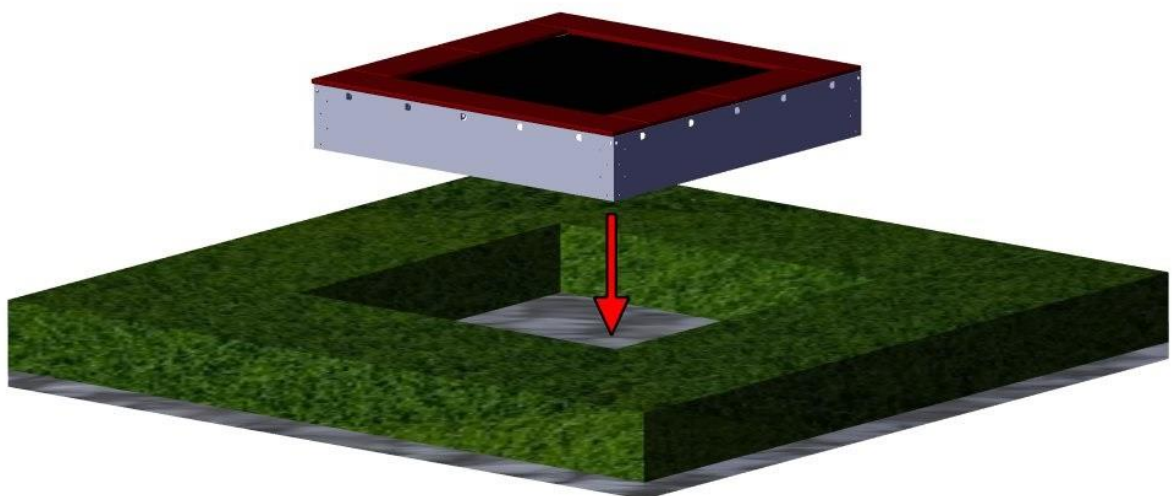
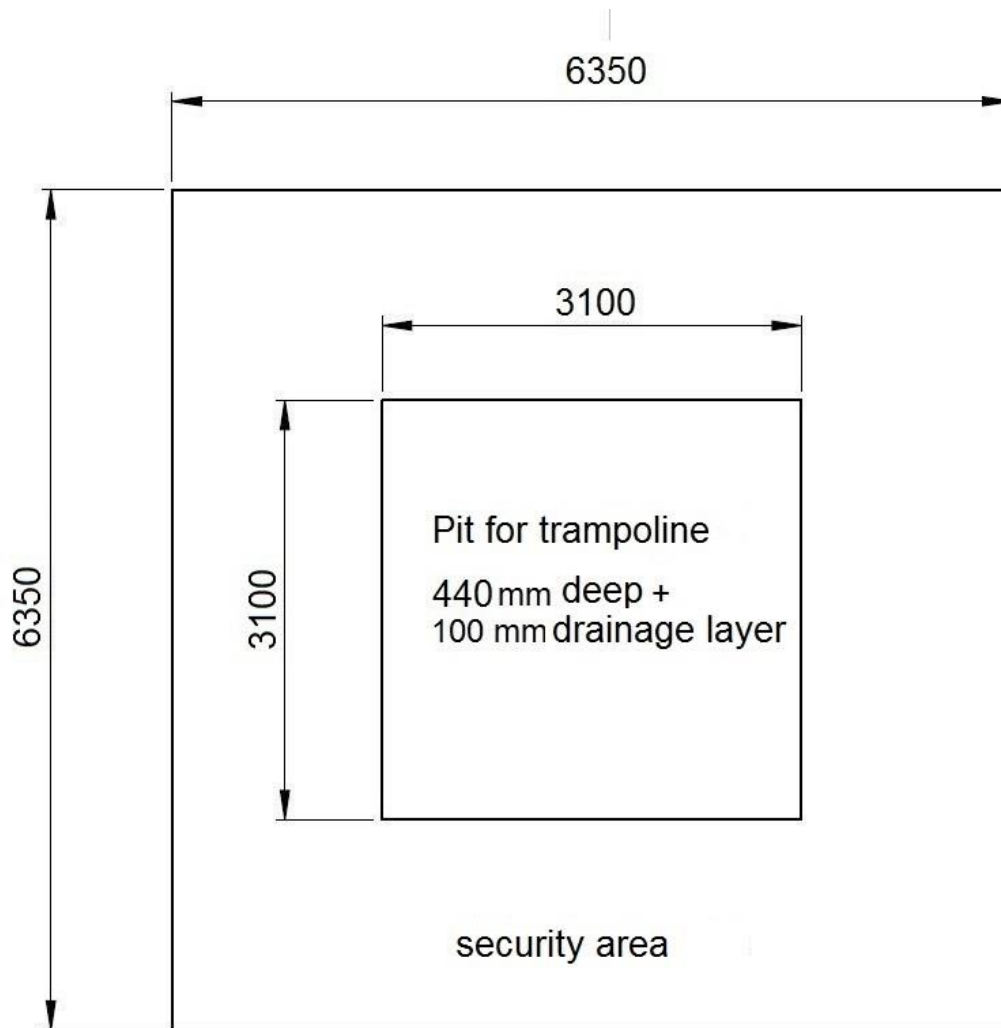
Spread the glue (Pos.14) equally using a notched Trowel.



Tiles (Pos.13) should be flush with the outside of the frame and have a slight overlap on the inside of the frame.

Allow glued Tiles to dry for 24 hours before installing in the ground pit.





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 2017, art.no. 20.02.121
(Fallprotection panel 40 mm)**



Attention here special version "fair"! - Picture similar! / Colors etc. fer

Revision history

Revision -0– 2018-02-15

First approved version

Maintenance instructions

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6 Introduction Maintenance

6.1 General information

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

These maintenance instructions are based on the standard
EN 1176

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



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.

7.11 Loose screws



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.

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

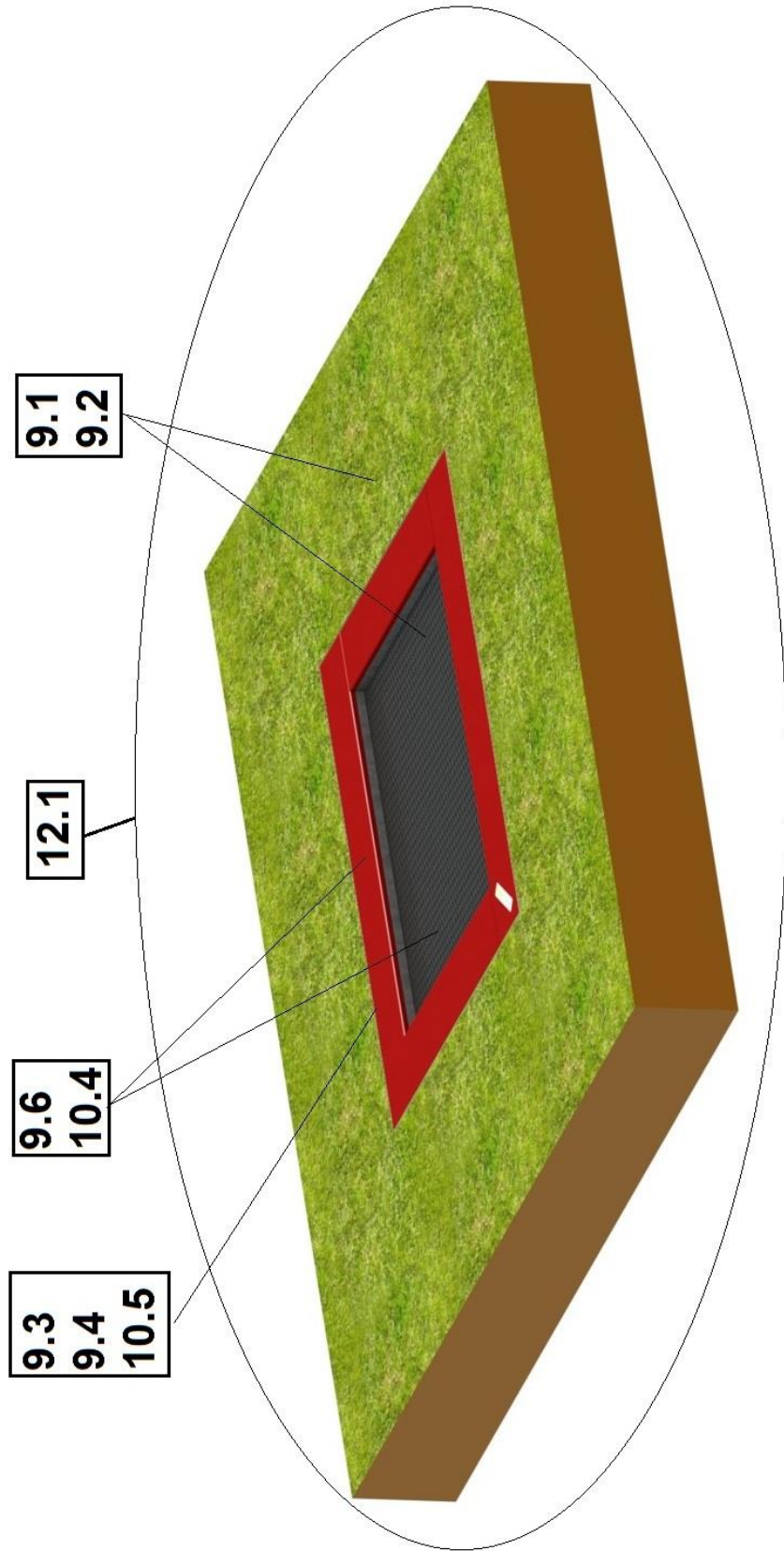


Faults that compromise function should also be repaired immediately. Such faults lower the value of the equipment to the user and encourage malicious vandalism, which may render the equipment less safe. Any damage should be repaired immediately.

9 Regular maintenance

: For cleaning underneath the bouncer mat : unhook the springs with the hook tool.





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 the Manufacturer.

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

14 Maintenance printout

Name of item: bouncer 2017 _____ / art.no. 20.02.121 _____

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.20.02.121

Type of item: bouncer 2017

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: _____