

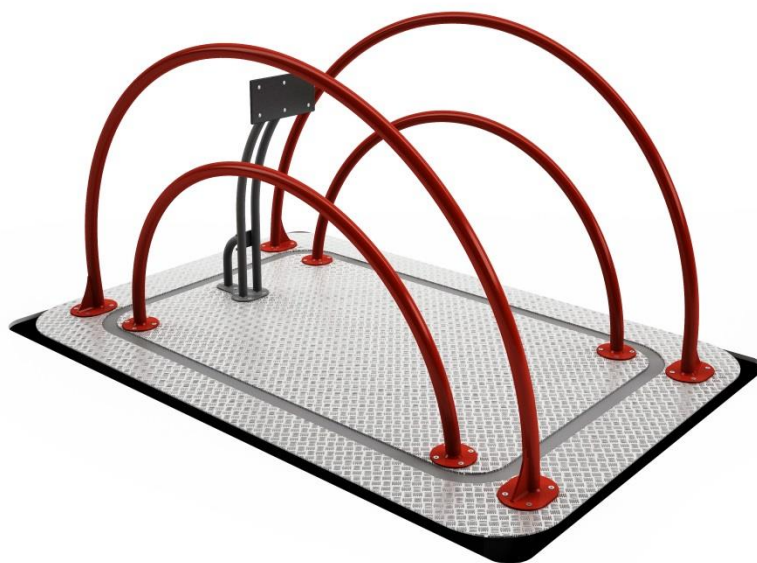


TERMA

SINCE 1990

INCLUSIVE SPRING ROCKER USER GUIDE

V.1.0.R1.2019





1. INTRODUCTION

Thank you for choosing our product! We believe you would be satisfied using our Inclusive Spring Rocker.

TERMA Inclusive Spring Rocker combines outdoor fun with therapy. Device aims to integrate non-disabled people and those with disabilities (using wheelchairs), giving them possibility of playing together. Besides integration purpose TERMA Inclusive Spring Rocker provides kinesiotherapy and social rehabilitation.

The device complies with PN-EN 1176 norm.

The device complies with the premise of universal design, which provides ideas of accessibility to all potential users, physically able-bodied, and with movement impairments.

TERMA Inclusive Spring Rocker is dedicated to be used outdoor, at such a places as outdoor gyms, parks, accessible recreation areas, private gardens.

The following User Guide provides all instructions refer to correct installation process, safe use and exploitation of the device.

The manufacturer reserves the right to change the contents of the user guide. The updated version of the user guide could be downloaded from the manufacturer's website www.termamed.pl at the "Download" tab.

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2. DEVICE STRUCTURE

Materials:

Construction: steel profiles with epoxy primer, painted and powder coated, stainless steel element

Platform: aluminum rifflered plate

Backrest: HDPE board

Foundations: concrete class min. B-15

Dimensions and parameters:

External device dimensions: 1390 x 2093 mm

Device height from the platform to the top railing: 1041 mm

Device weight without foundations: 400 kg

Safety zone dimensions: 1500 mm from each device outer edge

Concrete foundation blocks: 280x280x260 mm

Profile diameters:

Ø 42.4

Ø 32

Profile 60x40

Profile 30x40

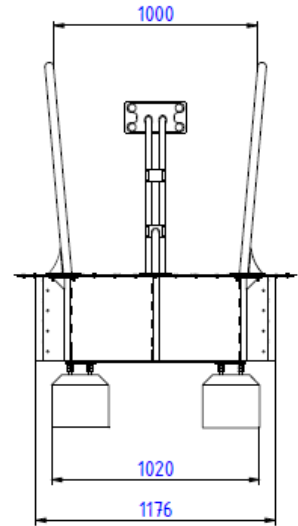
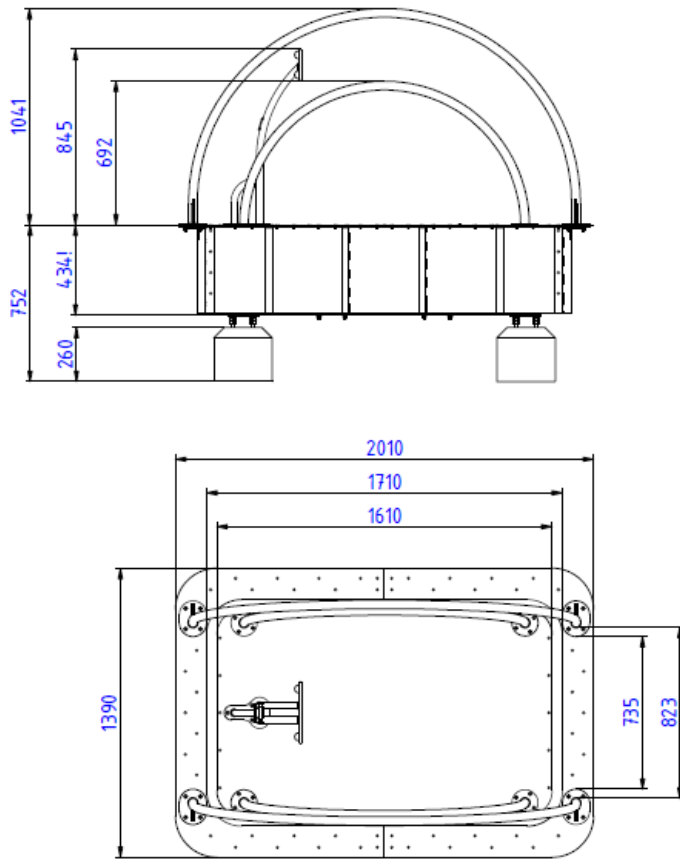
Other device dimensions:

Free fall height: none

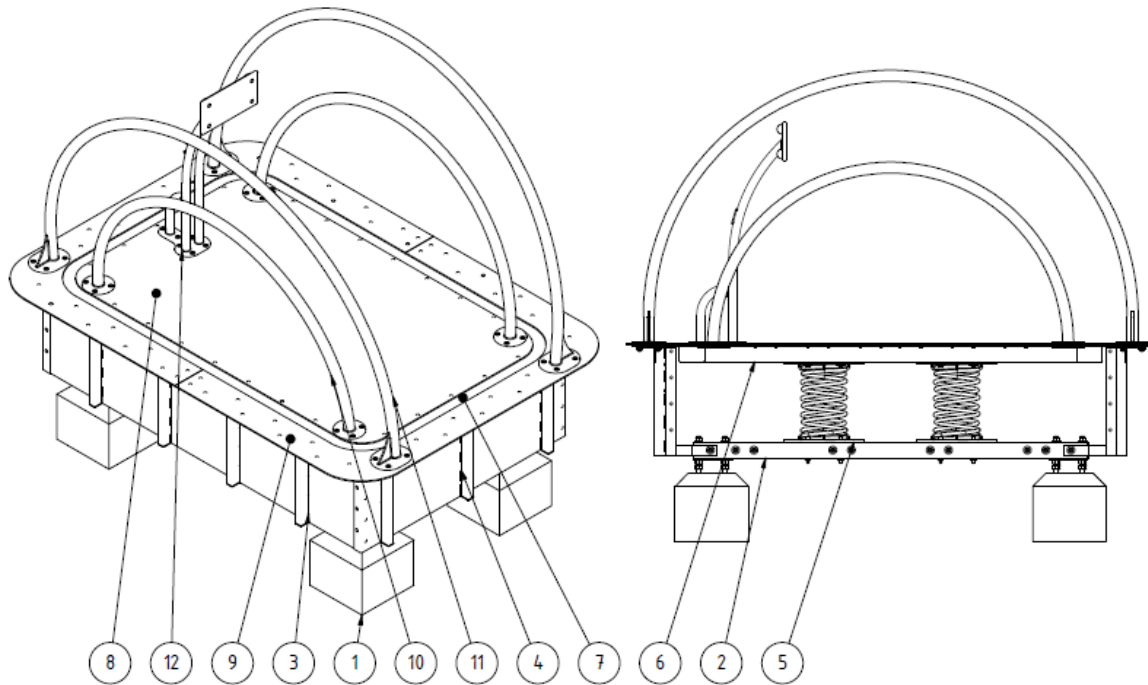
Functional area dimensions: 5010 x 4390 mm

Foundation depth: 752 mm

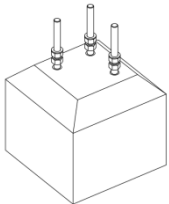

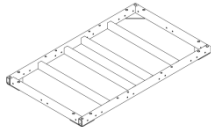
Functional zone area: 22 m ²

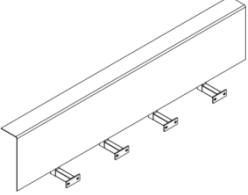
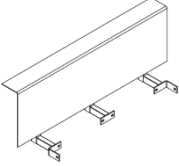
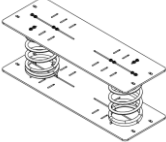
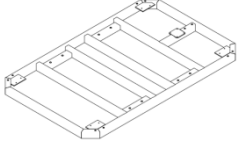
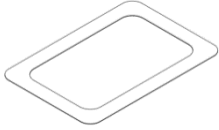
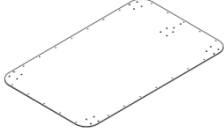
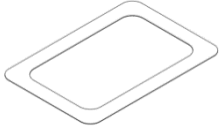



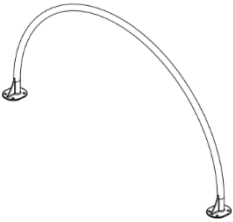
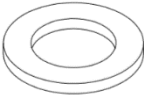
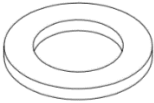
The Inclusive Spring Rocker is built of the following elements:

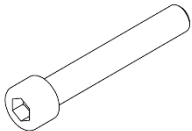
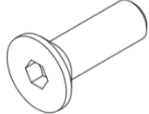




List of components shown in the table:

	Components	Quantity	Drawing
1	Concrete block (block, 3 M16 pins, 6 M16 nuts, 3 washers Ø16)	4	  or
2	Support frame	1	

3	Long side cover	2	
4	Short side cover	2	
5	A set of metal sheets with springs	2	
6	Platform frame	1	
7	Silicone mat	1	
8	Riffled platform plate	1	
9	Outer riffled plate	2	
10	Small railing	2	

11	Big railing	2	
12	Support backrest	1	
13	ISO 7091 Ø washer	24	
14	Washer DIN 9021 / ISO 7093 Ø10	72	
15	Washer ISO 7092 Ø10	16	
16	Washer ISO 7093 Ø8	16	
17	Nut ISO 4032 M16	36	
18	Nut ISO 4032 M10	44	
19	Nut ISO 4032 M8	16	
20	Screw ISO 4762 M10x65	36	

21	Screw ISO 4762 M10x90	8	
22	Screw ISO 10642 M8x35	38	
23	Blind rivet DIN 7337 fi 6x12	32	
24	Blind rivet DIN 7337 A6x16	78	

3. INSTALLATION

To ensure the highest level of safety standards for users and caregivers, it is necessary to read and follow the steps of installation sequence, assembly quality and safety instructions below.

Place of installation

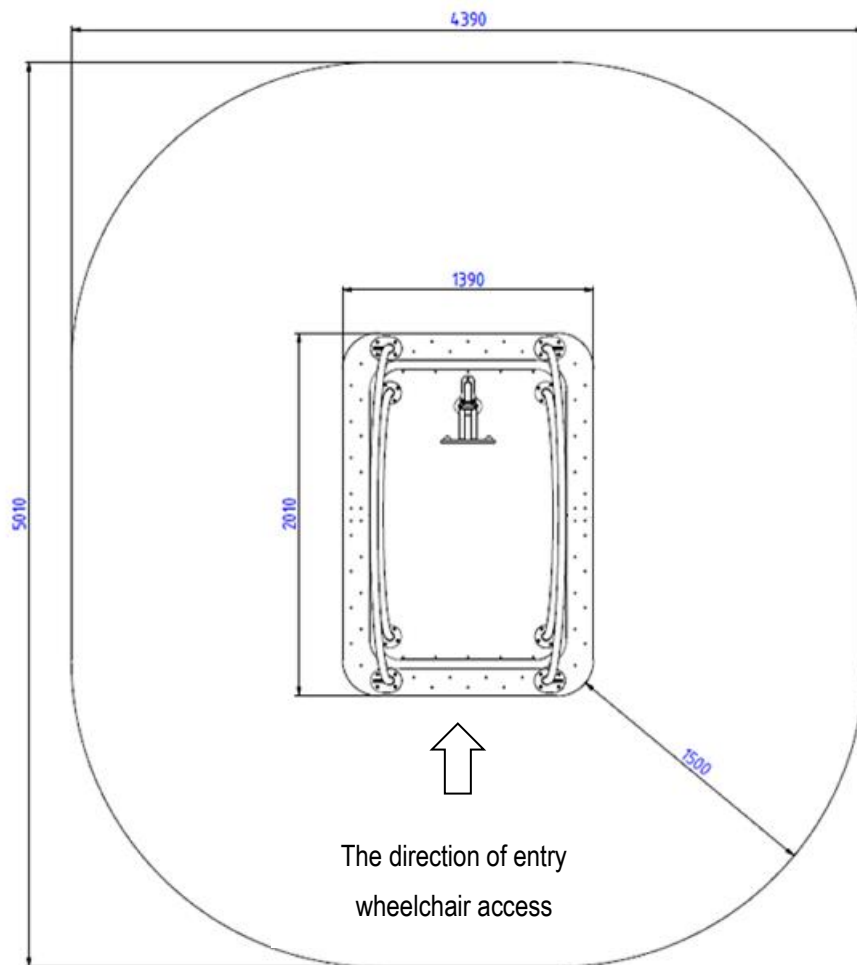
TERMA Inclusive Spring Rocker is dedicated to be installed on a playground. The safety zone shall be defined around the equipment which is 1500 mm from each edge of the device. The safety zone of the Inclusive Spring Rocker cannot overlap the other devices safety zones and the traffic routes.

No shock-absorbing surface is required around the Inclusive Spring Rocker.



Ensure a comfortable and safe entry for wheelchair access from the front of device. The rigid surfaces are recommended for wheelchair access. Loose surfaces such as sand or crushed stone are excluded, grass surfaces are not recommended.

The width of the raid wheelchair access should correspond to the width of the platform on the device



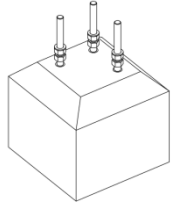
List of tools needed to assemble the TERMA Inclusive Spring Rocker:

- Spade 2 pieces
- Rake 1 piece
- 2 m long spirit level 1 piece
- 6 mm Allen key 1 piece
- Wrench 17 or socket wrench 2 pieces
- 24 or socket wrench 1 piece
- Measure 3 m
- Riveter
- Chemical anchor Fischer FIS VL 410 C or Tytan EVOLUTION II 1 pack of 410 ml
- Loctite 243 adhesive 1 pack of 10 ml
- Drill

WARNING! The manufacturer does not provide any tools for assembly!

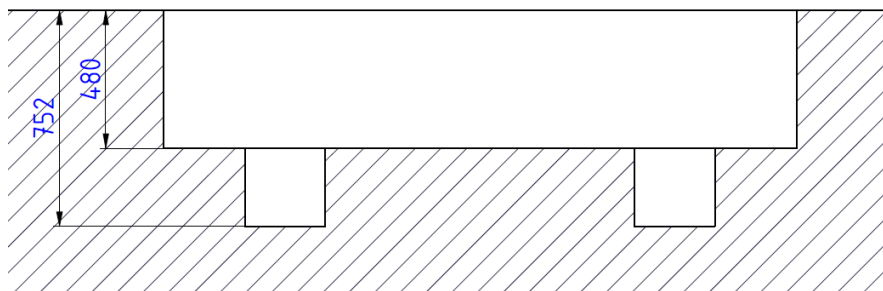
To assemble the TERMA Inclusive Spring Rocker 2 people are needed.

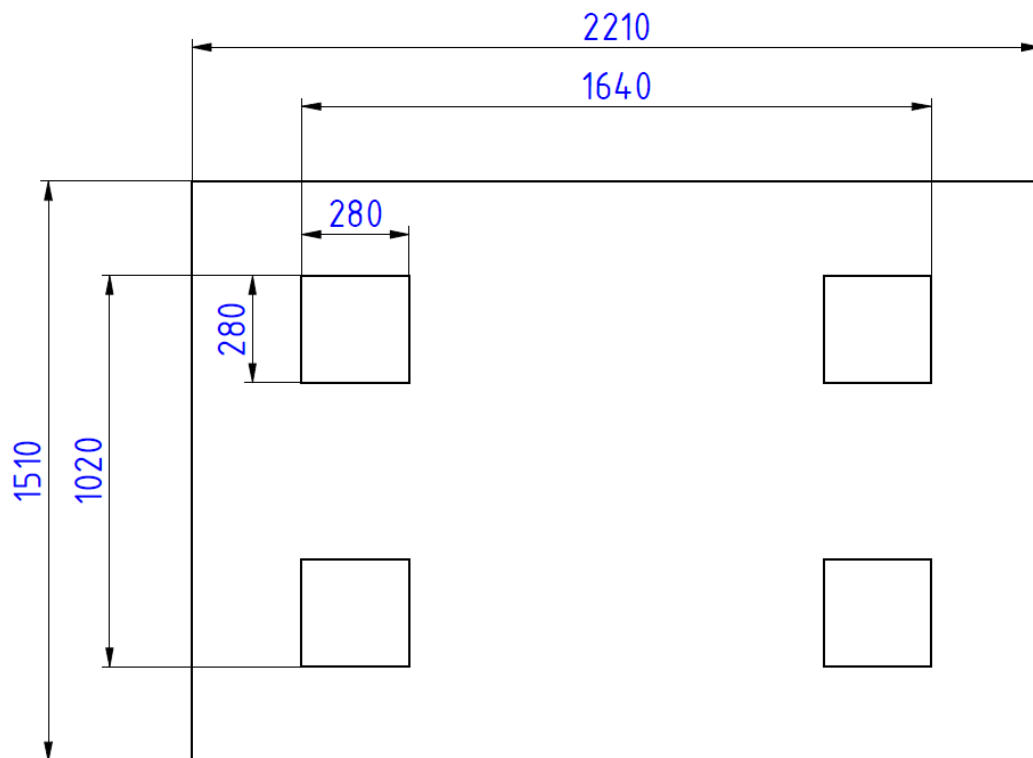
1. The excavation under the device and the device foundation

List of needed items		
Name	Quantity	Figure
Foundation concrete block or concrete	4	

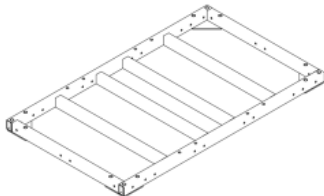
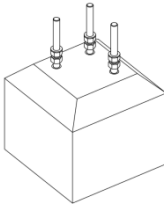
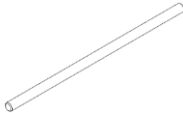
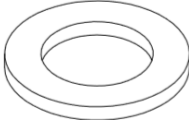

Tools:

Shovel / spade
Measure 3 meters





2. The pouring the foundation and fixing the support frame

List of needed items		
Name	Quantity	Figure
Platform frame	1	
Concrete or concrete blocks	4	
M16x265 rod	12	
Washer ISO 7091 Ø16	24	
ISO 4032 M16 nut	36	

Tools:

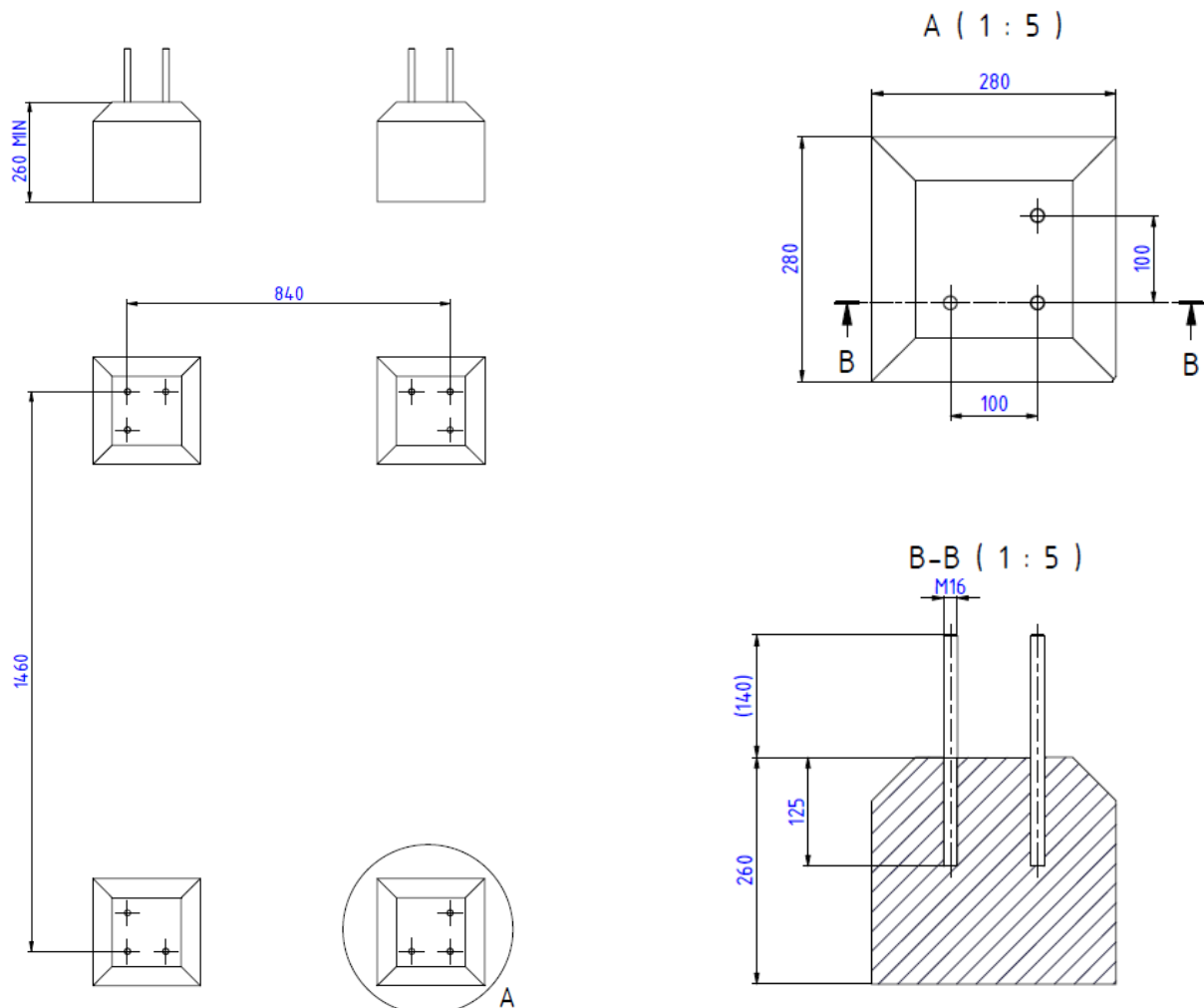
Shovel
Spirit level
Open ended spanner 24
Chemical anchor Fischer FIS VL 410 C

To install the device, it is necessary to use previously prepared concrete blocks (option 1), pour concrete in previously prepared recesses (option 2) or purchase from the manufacturer ready-made assembly blocks with prepared bars for device assembly (option 3).

OPTION 1:

Prepare concrete blocks in size of 280x280 mm and minimum height of 260 mm. Concrete class B15 or higher should be used. Drill holes in prepared blocks and use threaded rods and chemical anchors (eg Fischer FIS VL 410 C or Tytan EVOLUTION II). The recommended hole for the M16 anchor is 18mm, and the anchoring depth is 125mm. The method of installation should be in accordance with the instructions of the manufacturer of the chemical anchor.

Particular attention should be paid to the vertical position of bars and the spacing between them. The bars have to be spaced as shown in the drawing below.





To set the concrete blocks at an appropriate distance from each other, follow the steps: put the support frame to the blocks, screw the support frame to the mounting plate located on the blocks, level the support frame, sprinkle the blocks with soil so they have not been moved during subsequent assembly work.

After sprinkling the blocks with soil, check the support frame leveling again to make sure that the setting did not change. If the frame has been deviated from the horizontal, the alignment must be corrected. If the frame is correctly leveled, the nut should be screw up and the device should be left in this configuration.

OPTION 2:

Another method of embedding the device in the ground is pouring concrete directly into the prepared depressions. A concrete layer of at least 260mm should be used. After setting into concrete, use chemical anchors as described in Option 1.

In order to put the anchors in the right places you have to fit the support frame and drill holes in the desired places, similar to instructions from Option 1. Then the chemical anchors have to be used.

It is important during installation to keep possibility to adjust the level of all nuts on the threaded rods or anchors in order to correct the level of device frame. Moreover, it is important to keep the dimension of 434mm from the bottom of the frame to the ground level to fit flush the device with the ground level.

Place a locknut, nut, and washer on each bar.

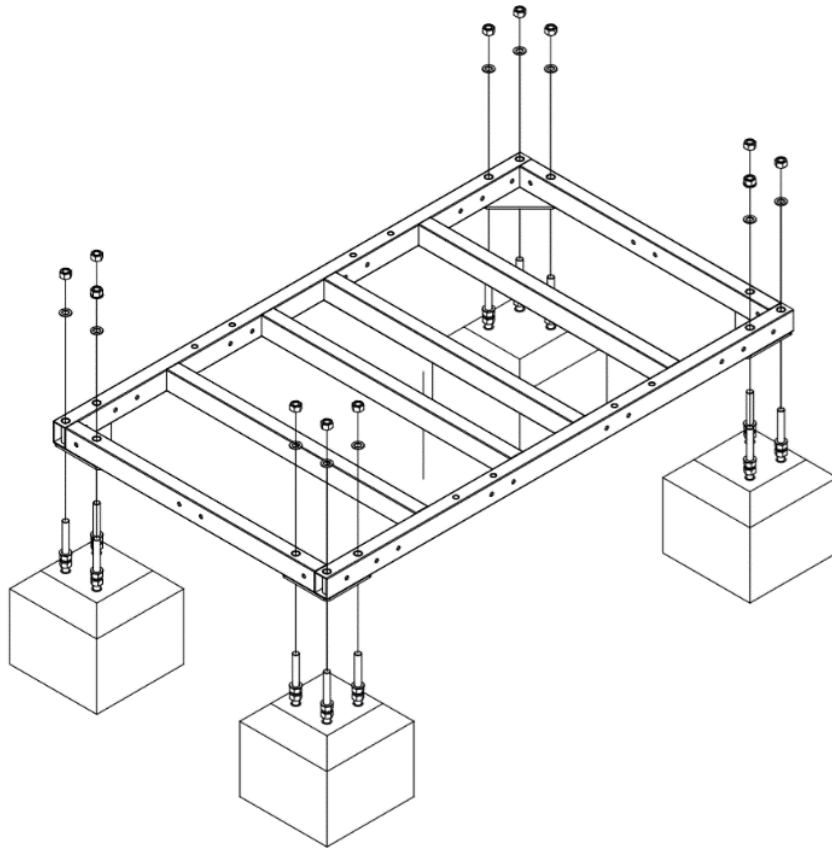
OPTION 3:

Ready concrete blocks with threaded rods should be placed in the previously prepared wells, set appropriately using the support frame, keeping the dimension of 434mm from the bottom of the frame to the ground level to fit flush the device with the ground level.

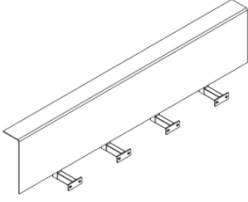
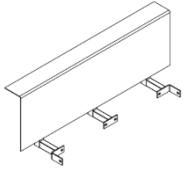
The next steps of installation remain the same as in option 1.

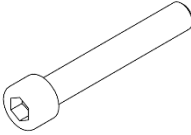
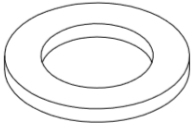




Concrete of class B15 or higher should be used.



3. Screwing the side safety frames to the base with the support frame

List of needed items		
Name	Quantity	Figure
Long side cover	2	
Short side cover	2	

ISO 4762 M10x65 screw	28	
Washer DIN 9021 / ISO 7093 Ø10	56	
Nut DIN 934 / ISO 4032 M10	28	
Blind rivet DIN 7337 fi6x12	32	

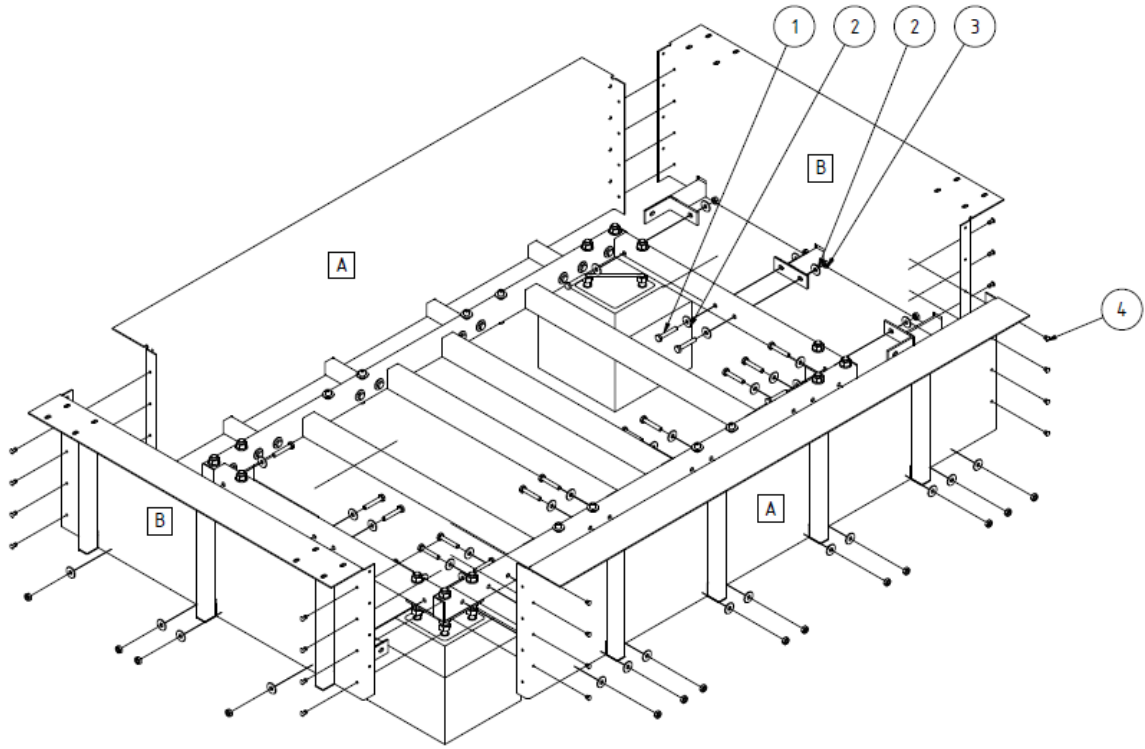
Tools:

Open end spanner 17 or 16
Allen key
Riveter

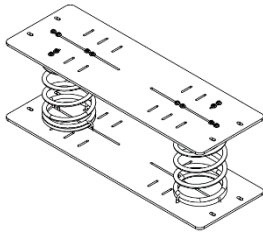
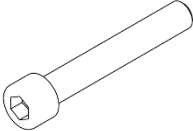
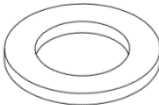
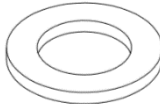

Screw the long side frames (A) and then the short side frames (B) to the support frame.

The side frames isolate the device structure from the ground and they prevent from falling off the soil to the sides of the excavation.

Screw the frames to support frame using bolts (1), washers (2) and nuts (3). After tightening all the frames, connect the corners with rivets (4) in the designated places.



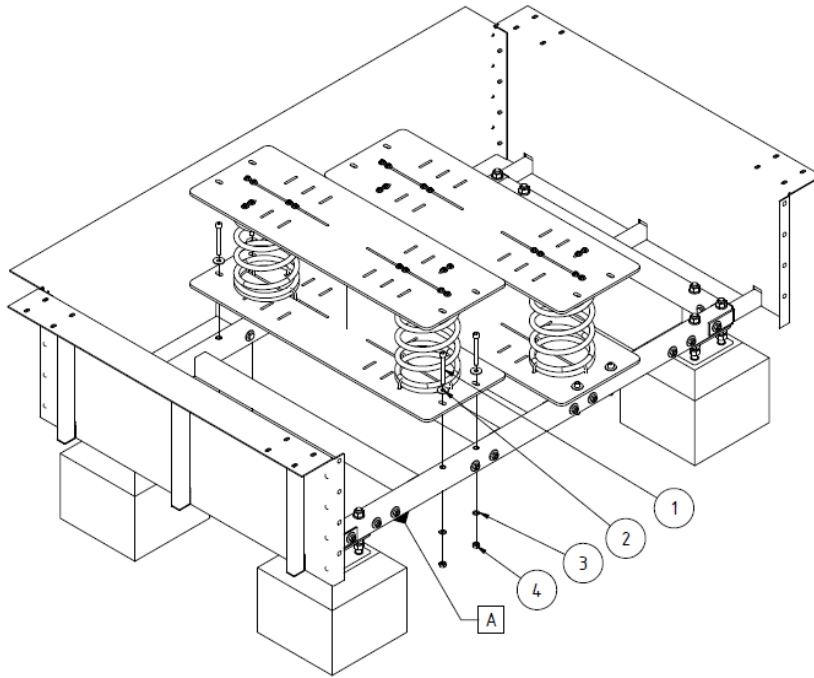
4. Tightening the set of metal sheets with springs to the lower frame

List of needed items		
Name	Quantity	Figure
Set of metal sheets with springs	2	
Bolt DIN 931 M10x90 ISO 4762 (1)	8	
plain washer ISO 7093 Ø10 (2)	8	
plain washer ISO 7092 Ø10 (3)	8	
plain washer DIN 934 / ISO 4032 M10 (4)	8	

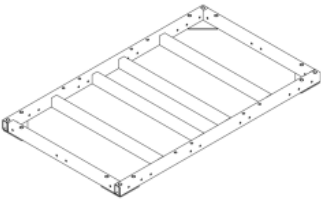
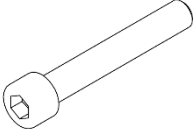
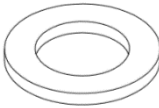
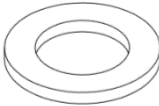

Tools

Wrench socket 17 lub 16
Allen key

Tight the set of metal sheets with springs to the support frame (A). A medium strength thread adhesive (eg Sonlok 3243 or Loctite 243) is required.

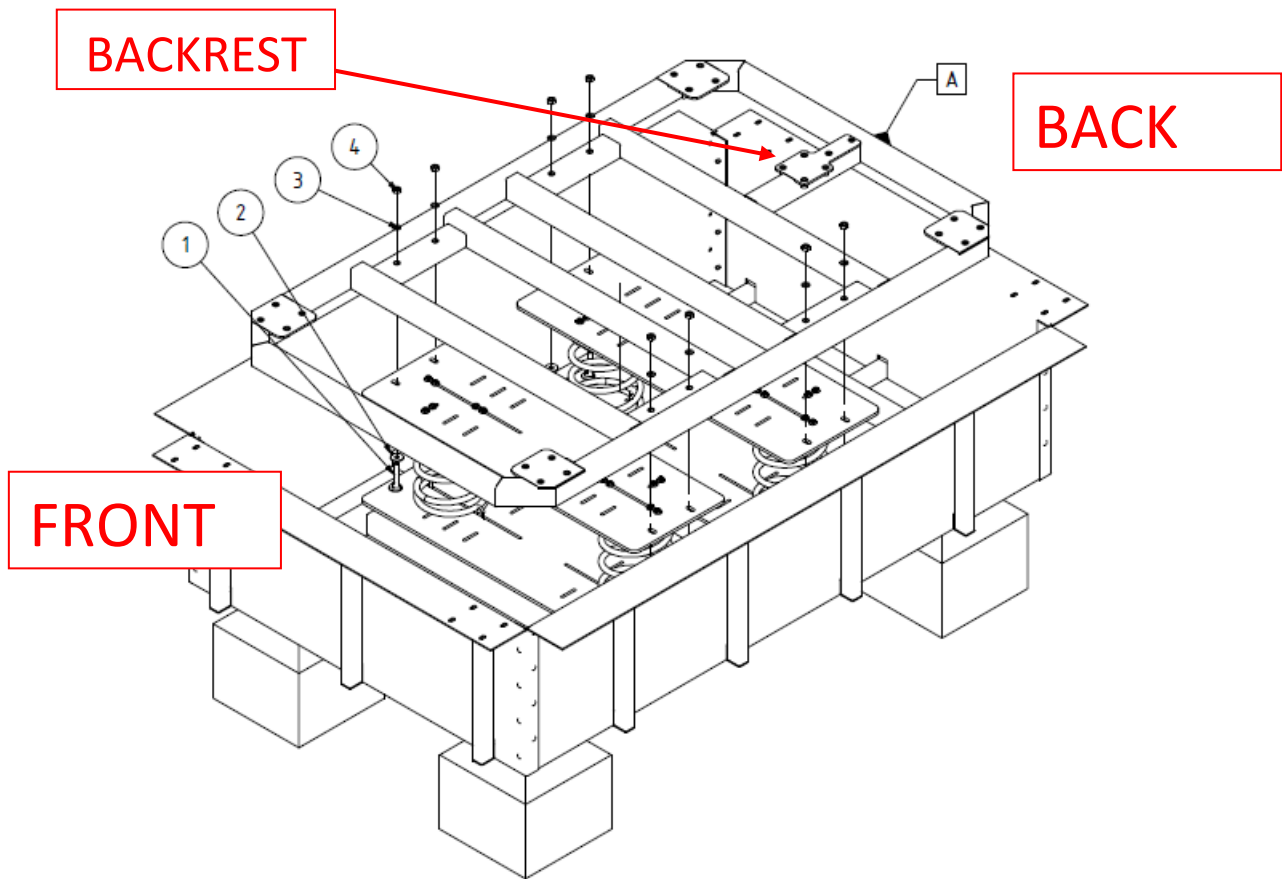


5. Fixing the upper frame

List of needed items		
Name	Quantity	Figure
Platform frame	1	
Bolt ISO 4762 M10x65 (1)	8	
Plain washer 7093 Ø10 (2)	8	
Plain washer 7092 Ø10 (3)	8	
Nut ISO 4032 M10 (4)	8	

Tools:

Wrench socket 17 lub 16
Allen key

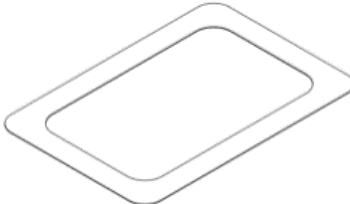


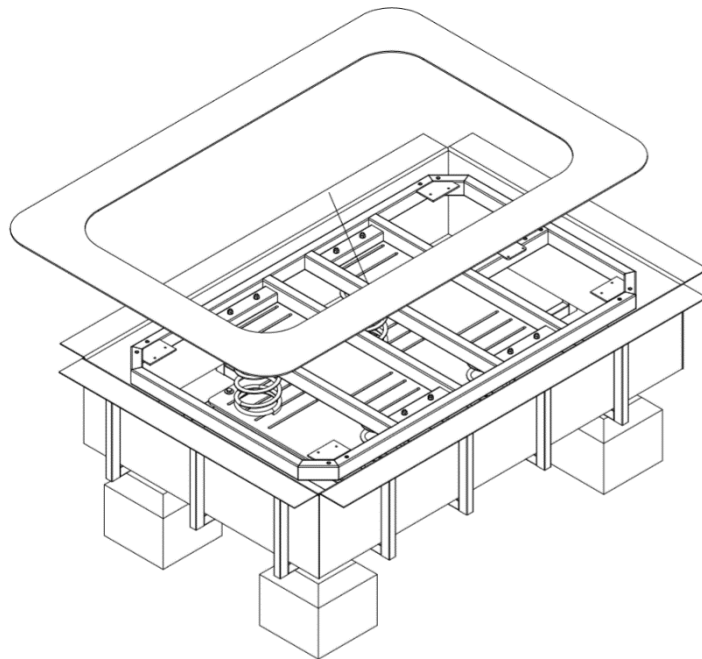
Pay special attention where the backrest is mounted - it has to be back of the device.

WARNING!

Check the mounting of the springs and the inclination of the platform before the next step in the user guide!

6. Putting on the security rubber mat

List of needed items		
Name	Quantity	Figure
Silicone mat	1	

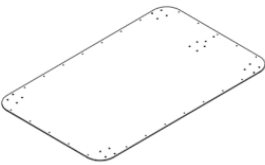


WARNING! The rubber mat / rubber mat strips must be placed appropriated so its cover both the side plates of the supports in the ground and the support platform.

The mats will be riveted, so it is important that they are placed equal!

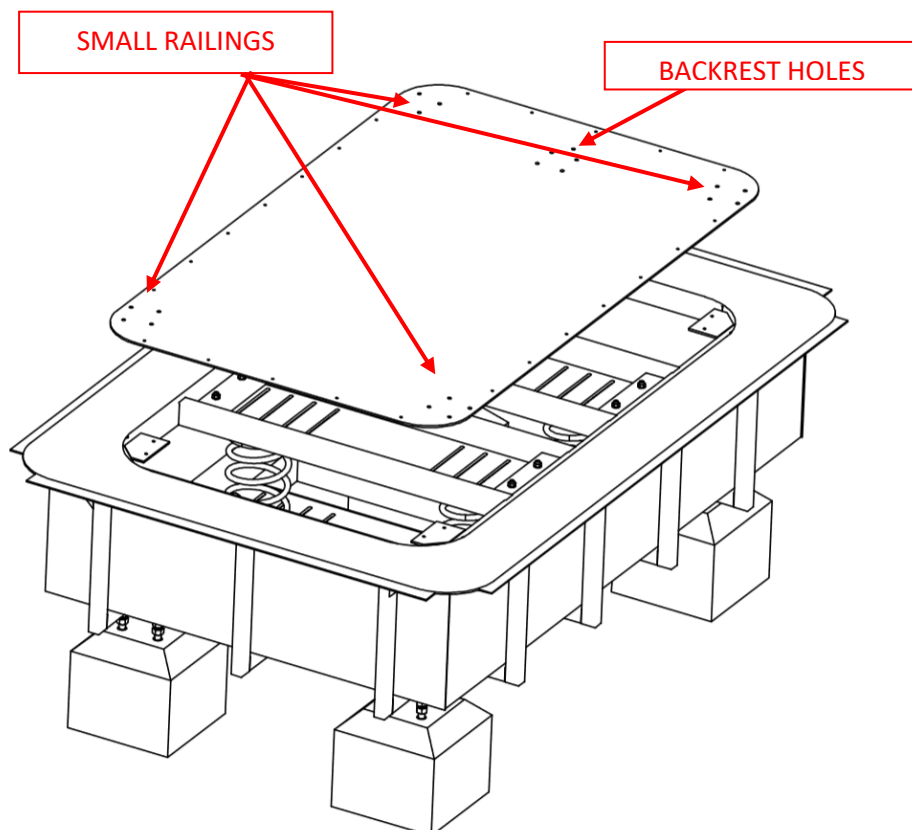
WARNING! The rubber mat or rubber mat strips provided in the set may vary to the drawing shown above !

7. Putting on a grooved platform

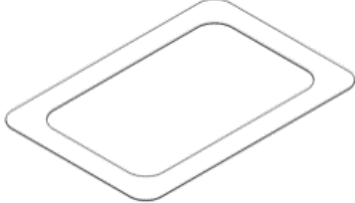
List of needed items		
Name	Quantity	Figure
Riffled platform plate	1	

Place the sheet grooved platform in such a way as to fold it out of the holes provided on the backrest and railings.

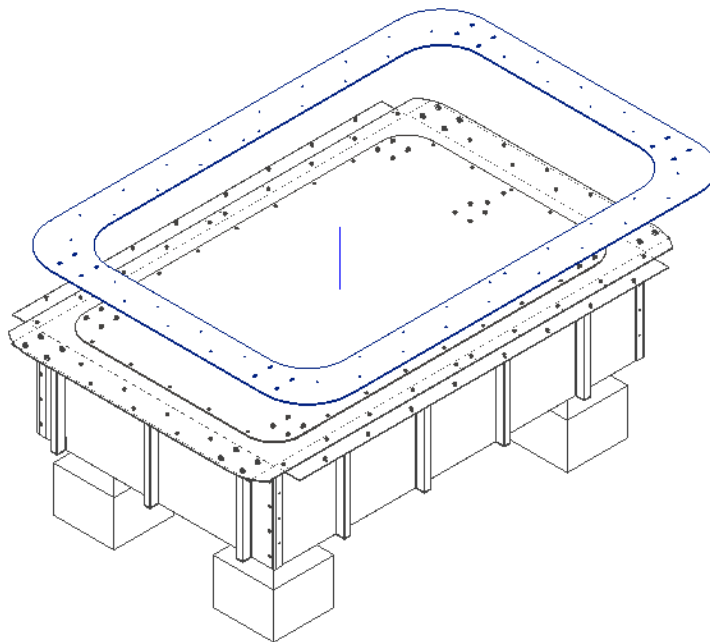
Sheet grooved platform should be placed on the previously placed rubber mat, paying special attention to leave the same mat width on each side and to match the holes for the backrest and rocker railings.

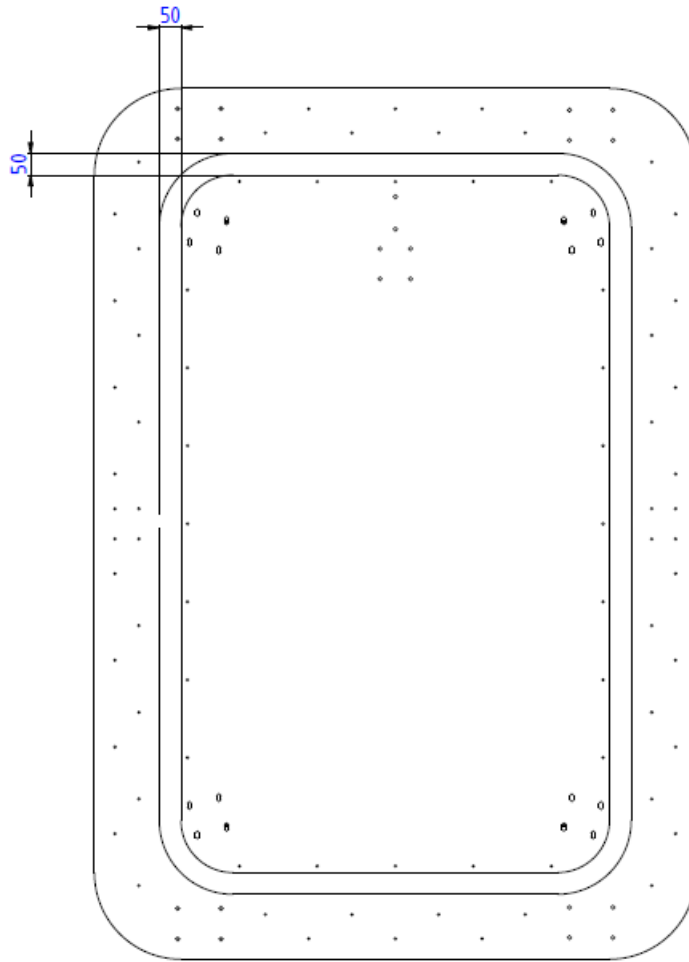


8. Mounting the side / masking grooved platforms


List of needed items		
Name	Quantity	Figure
Riffled outer plate	1	

The sheets platforms should be placed so the holes prepared for subsequent riveting are aligned. The distance between the platform plate and the cover plates should be 50mm on each side (see drawing below). Make sure the rubber mat is evenly placed on every side and it has a ten-centimeter overlap, allowing the rocker to move in all directions, as shown in the drawing below:



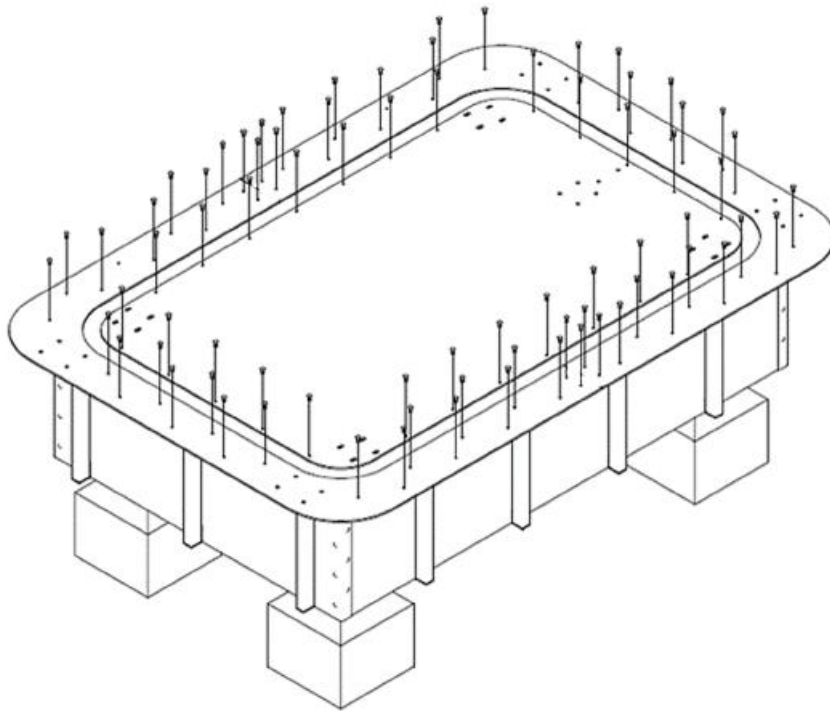


9. Rivet the Sheet grooved platforms in the designated places.



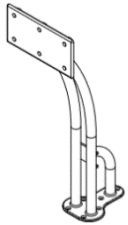
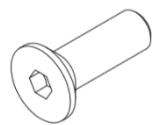
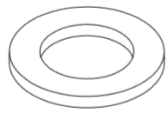

List of needed items		
Name	Quantity	Figure
Rivet DIN 7337 A6x16x8	78	

Tools

Riveter

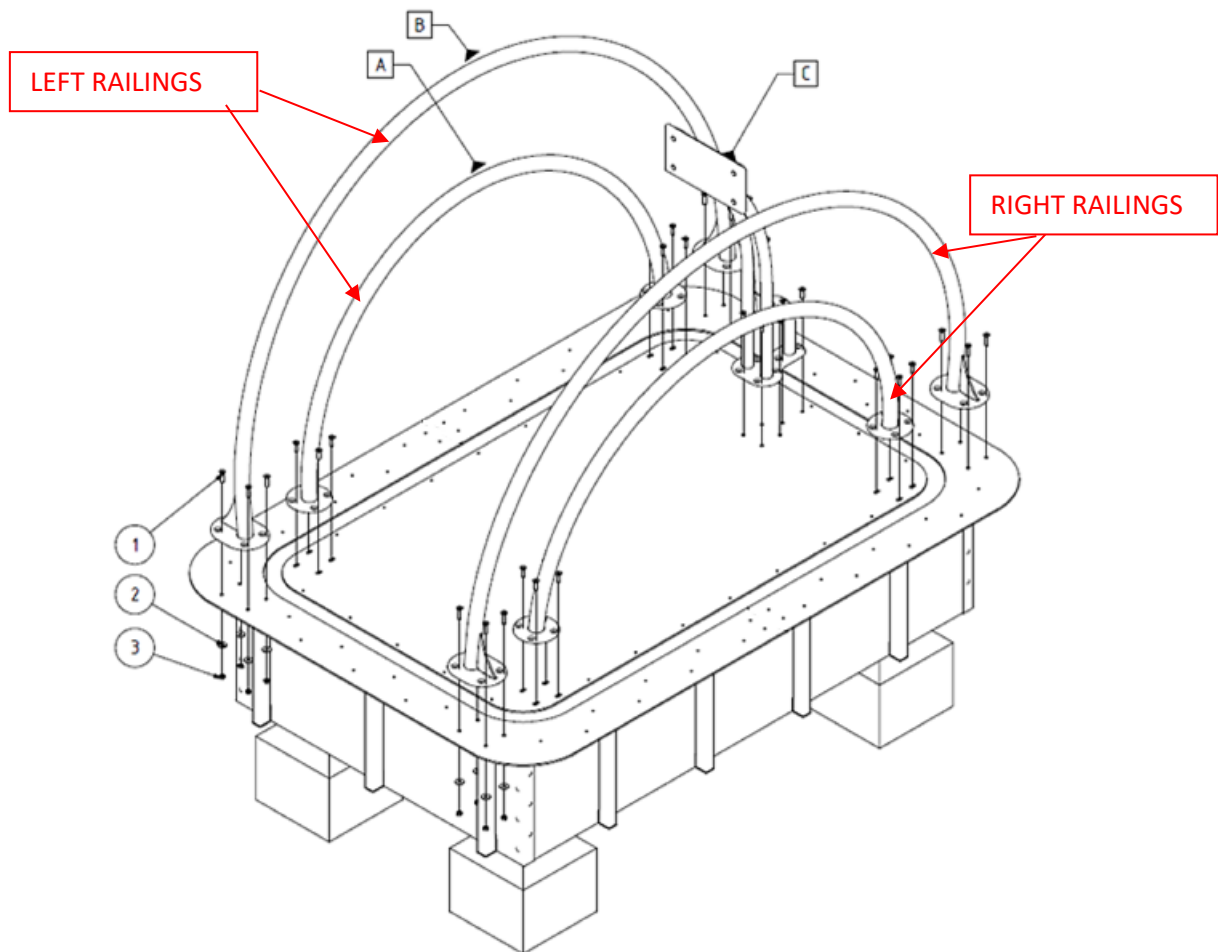


10. Fixing the railings and the backrest

List of needed items		
Name	Quantity	Figure
Small railings (left and right)	2	
Big railings (left and right)	2	
Backrest	1	
Bolt ISO 10642 M8x25	38	
Washer ISO 7093 Ø8	16	
ISO 4032 M8 nut	16	

Tools:

Drill



The assembly of the small railings (A) and the backrest (C) consists in tightening them with screws (1) in the designated places. To fix the large railings (B), tighten the screws (1) from the bottom with washers (2) and nuts (3), according to the attached drawing. Repeat for each railing leg.

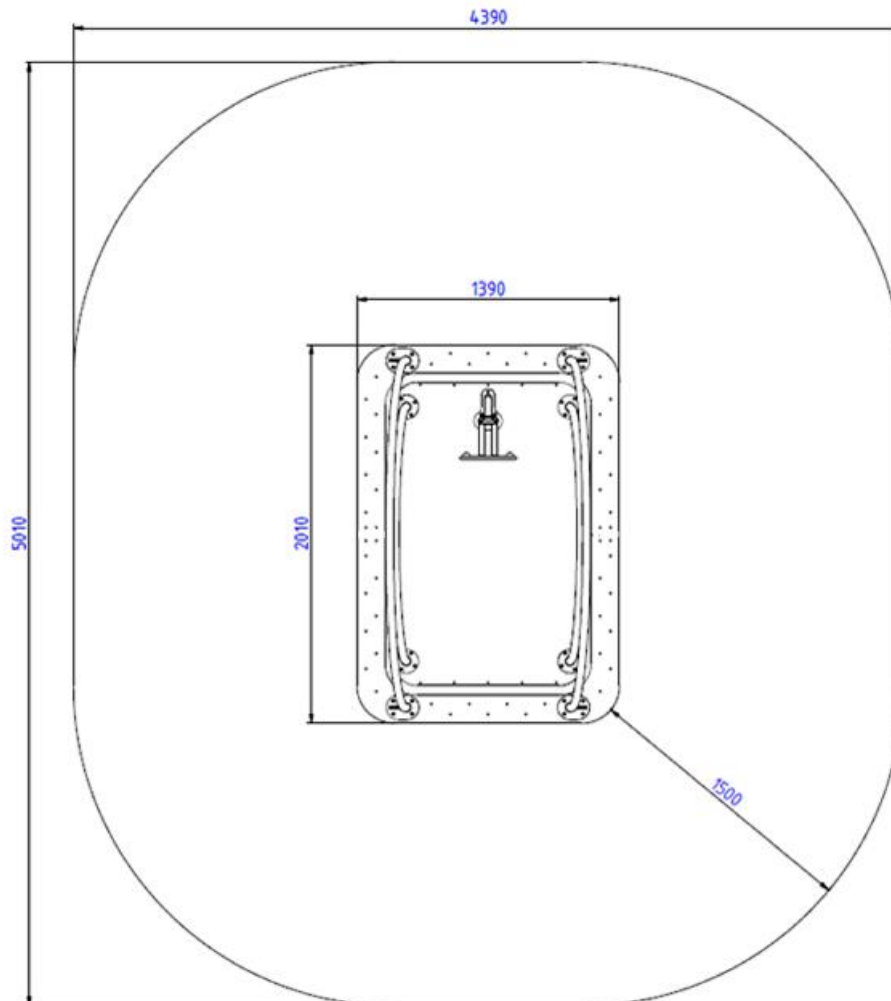
Use medium strength thread glue (eg Sonlok 3243 or Loctite 243) when mounting with screws.

WARNING! Pay attention to the markings on the railings - RIGHT and LEFT (looking from the front of the rocker towards the backrest) and install them in accordance with the drawing above. The railings are delivered marked (right and left). Install in accordance with the marking!

11. Finishing soil sprinkling

The rocker should be covered with soil around it. Make sure there is no space between the ground and the metal sheet.

The applied soil should be compacted after each addition to prevent the formation of voids, which may result in the subsequent uneven subsidence of the soil around the device and uncovering its structural parts.



It is worth to delimit or mark clearly the safety zone around the device. It could be done using the various surface colors. The access for a wheelchair user must be clear and made of a hardened surface, enabling the wheelchair to move freely. It is not recommended to use the loose surfaces such as sand, pebble, crushed stone, grit and grass.



4. MAINTENANCE, INSPECTION, REPAIR

Inspection

It is recommended to keep a book of inspections of devices.

There are three types of inspection recommended:

- **Routine inspection** carried out every 1-7 days. Relates to the checking device and the adjacent area for vandalism which may result in malfunction of the device and contamination of area, which could endanger the safety of users,
- **Functional inspection**, carried out every 3 months. It refers to verify the correct operation of the device in terms of functionality.

Please check:

1. Stability of structural elements.
2. Screw tightening condition, whether they have not been loosened during use.
3. The condition of the rubber apron in terms of structural continuity, strength. Check for tears or cuts.
4. The ranges of movement of the device in terms of smoothness of movement and the appropriate range of tilt. Also check for grinding, rattling, or ringing noises when the machine is moving.

In case of any irregularities, action should be taken to eliminate the defects. Minor faults, such as unscrewing the screws, the playground administrator may repair by itself.

In the case of irregularities resulting in incorrect operation of the device, the Manufacturer must be notified in order to determine the best method of repair.

The device should be secured against the users until the damage is removed by fencing it with a construction signal tape with a sign informing about the damage, eg: "WARNING DEVICE FAILURE".

- **Annual inspection** carried out once a year.

During the annual inspection, the condition of the following should be checked:

1. Rubber mat in terms of structure continuity, strength. Check for tears or cuts.
2. Screws - whether they have not been loosened during use.
3. Railings and backrests - in terms of deformation due to vandalism, their stability and continuity of the coating.
4. The range of movement of the device - in terms of smoothness of movement and the appropriate range of tilt. Also check for grinding, rattling, or ringing noises when the machine is moving.
5. Condition of the paint coat for signs of corrosion.


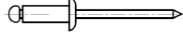
Maintenance

The Inclusive Spring Rocker does not require any maintenance.

In the event of a failure of the TERMA Inclusive Spring Rocker or any irregularities, the device should be secured against users until the damage is removed by fencing it with a construction signal tape with a sign informing about the damage, eg: "WARNING DEVICE FAILURE". Please contact the Manufacturer to explain the malfunction and take corrective actions. The principles of warranty repairs and service are described in point 6 of the warranty conditions attached to this user guide.

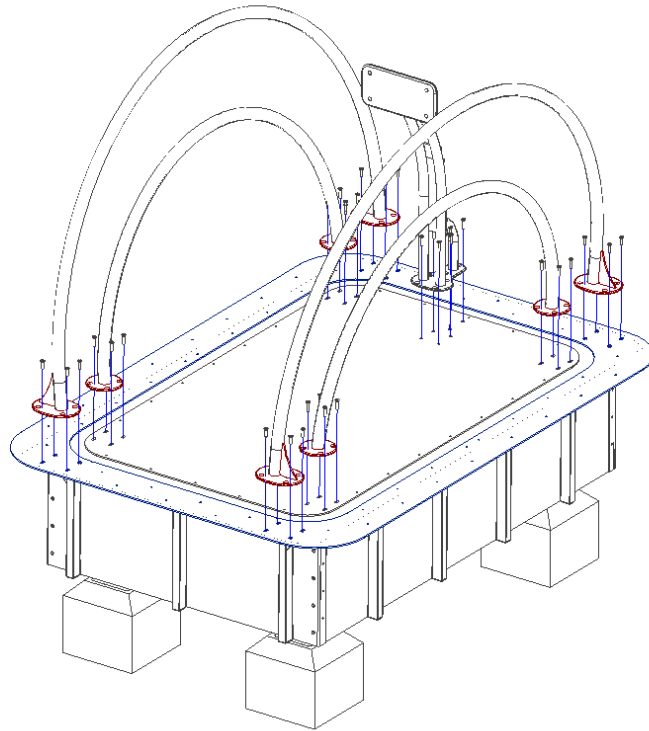
In case the irregularities are noticed during the control, the reason of this irregularity must be diagnosed and the spare parts replaced.

The list of spare parts:

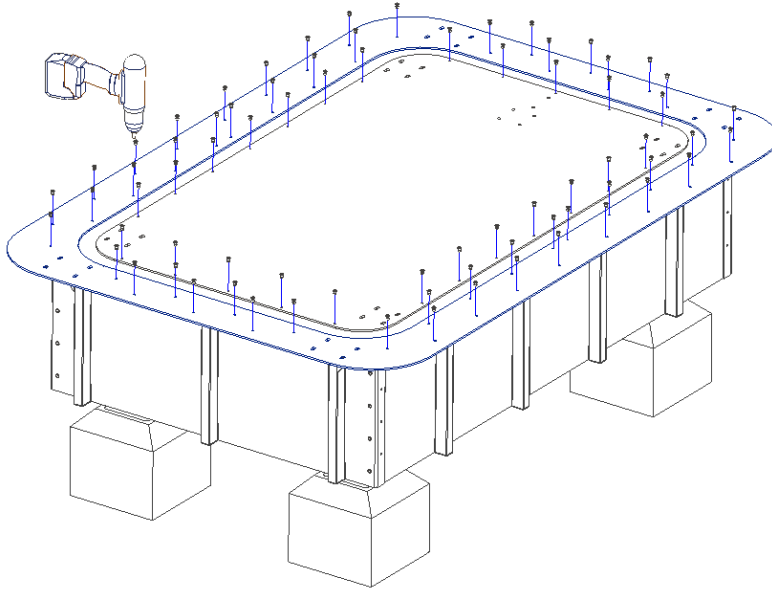
Figure	Quantity	Name
	1	Silicone mat
	78	Blind rivet DIN 7337 A6x16

To replace the spare part follow the steps below:

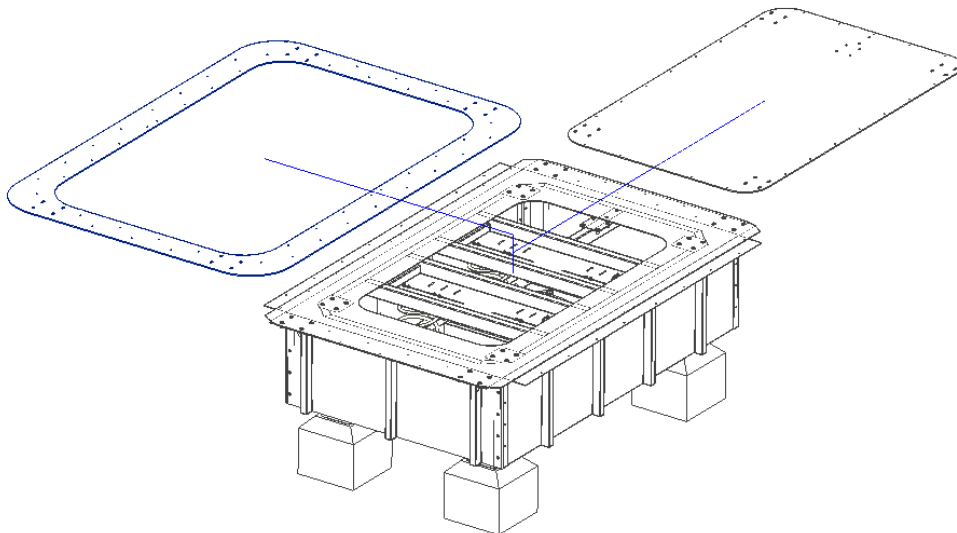
Remove the backrest and the railings. Make sure that the screws are left safe (they will be used again as soon as the mat is replaced)).



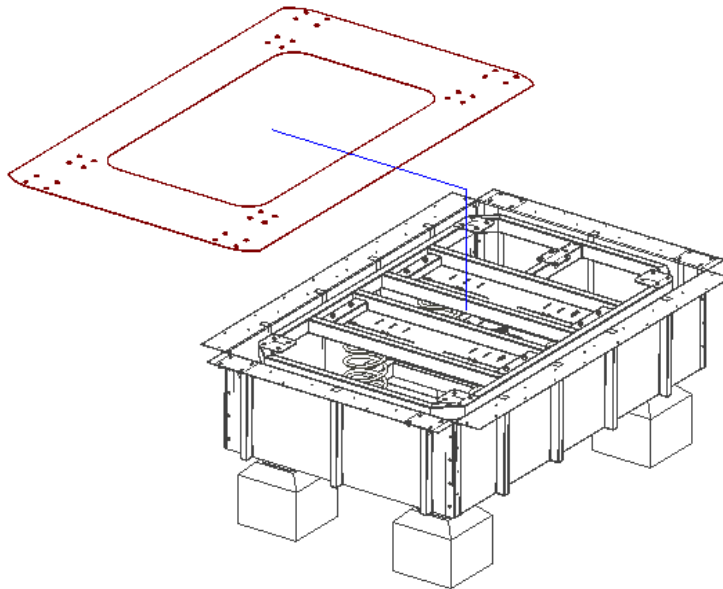
Drill and remove the blind rivets.



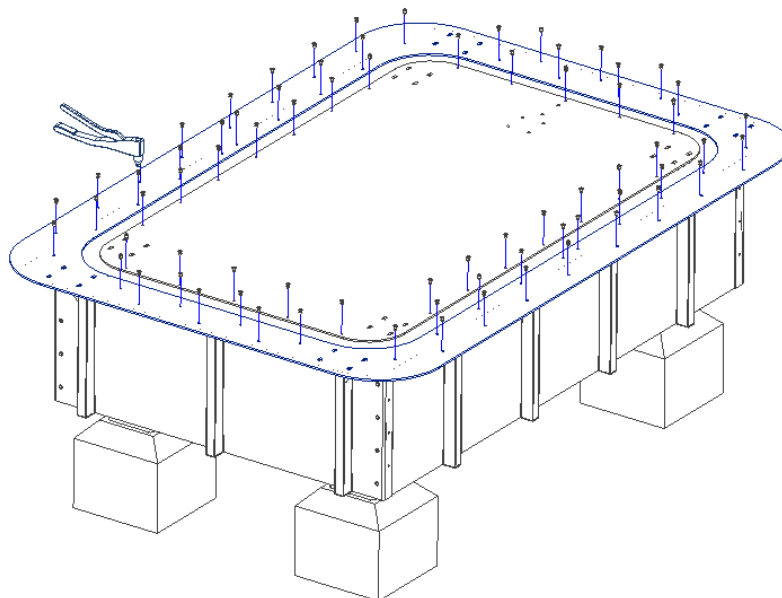
Remove the ruffled plates.



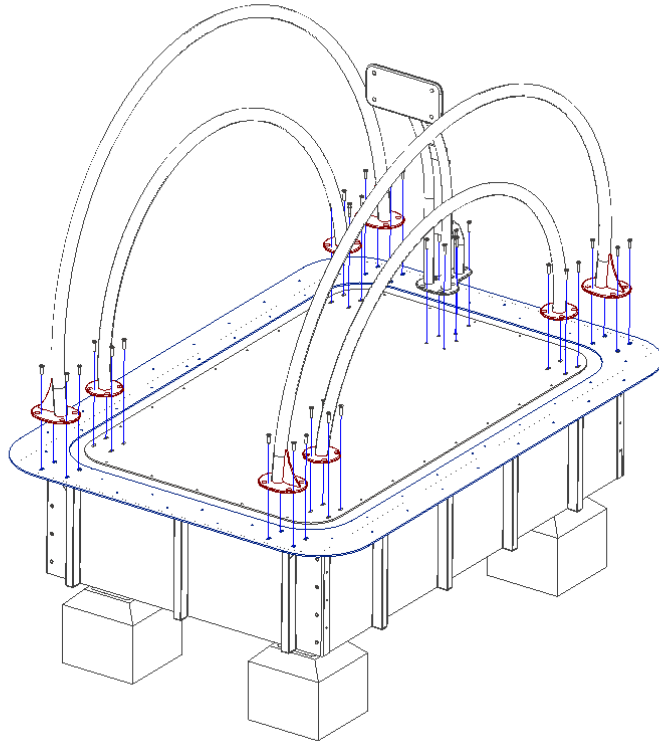
Remove used silicone mat. Replace with the new one.



Place the riffled plates. Use the rivetter to connect them with the device.



Place and screw the railings and the backrest. Make sure that they are stable.





How to use TERMA Inclusive Spring Rocker

The Inclusive Spring Rocker is dedicated for both non-disabled and disabled (those with physical disabilities, using wheelchairs) users.

The rocker is designed for users from 3 years of age. The maximum load of the device is 200 kg

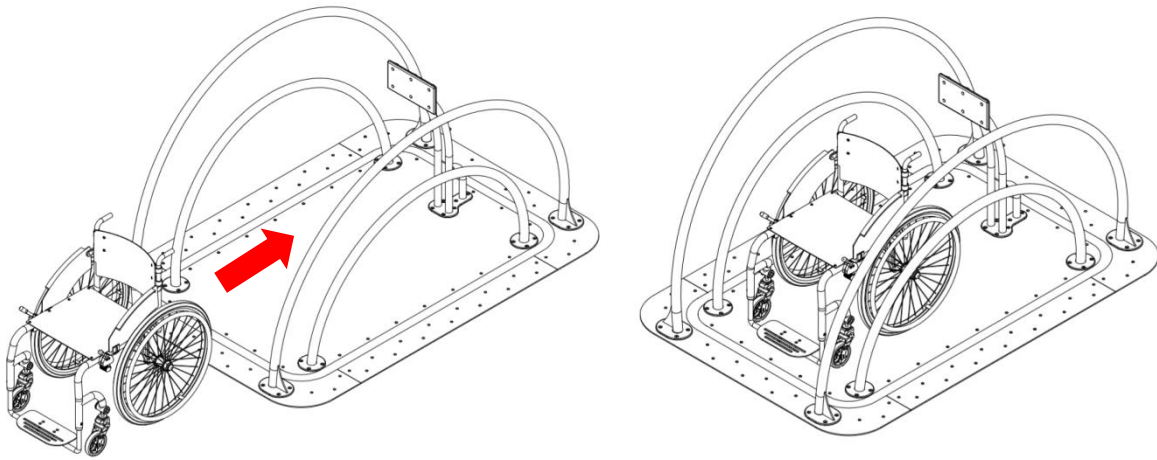


WARNING! Using the Inclusive Spring Rocker should be under adult supervision!

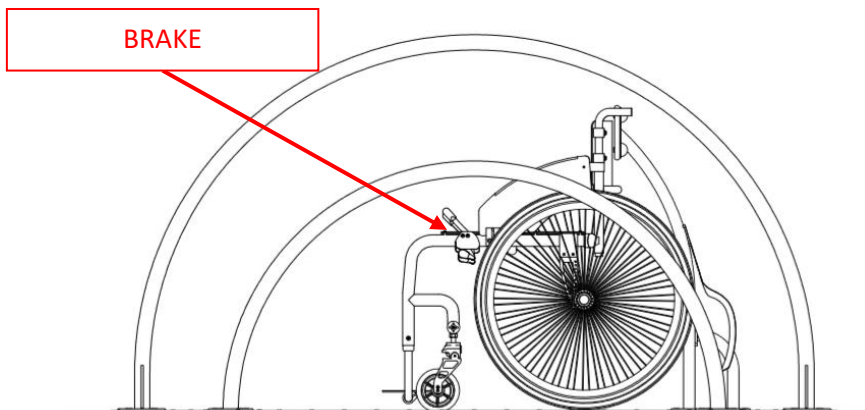
Options of using the Inclusive Spring Rocker:

- one person with a disability (in terms of individual mobility),
- one person with a disability and one non-disabled person at the same time
- two non-disabled people.

1. Entry the Rocker platform

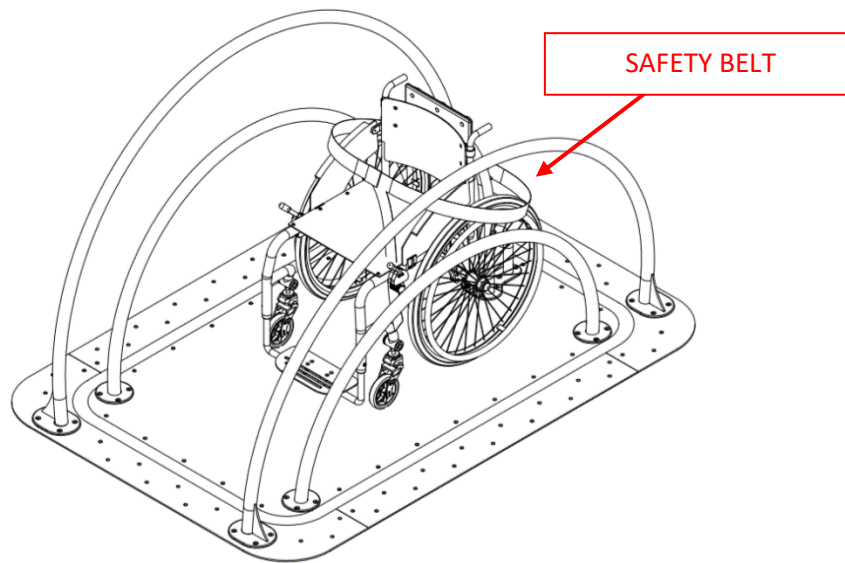


2. Reach the backrest and pull the brake in a wheelchair



3. Fasten the safety belts

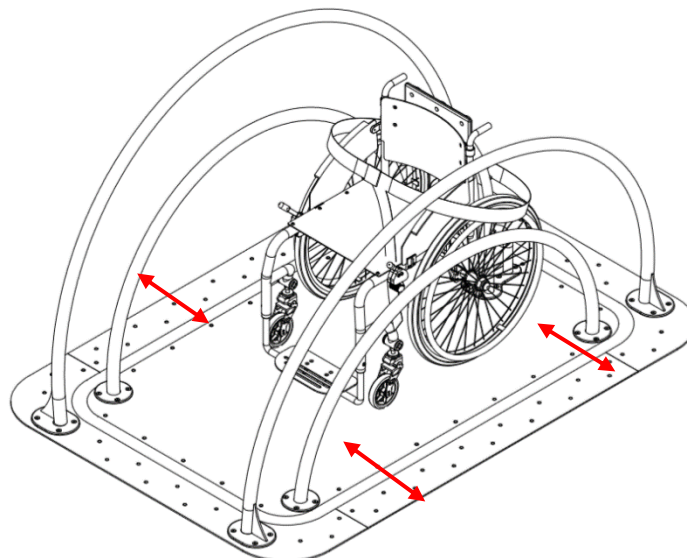
Before start playing, fasten the safety belt attached to the back of the device.



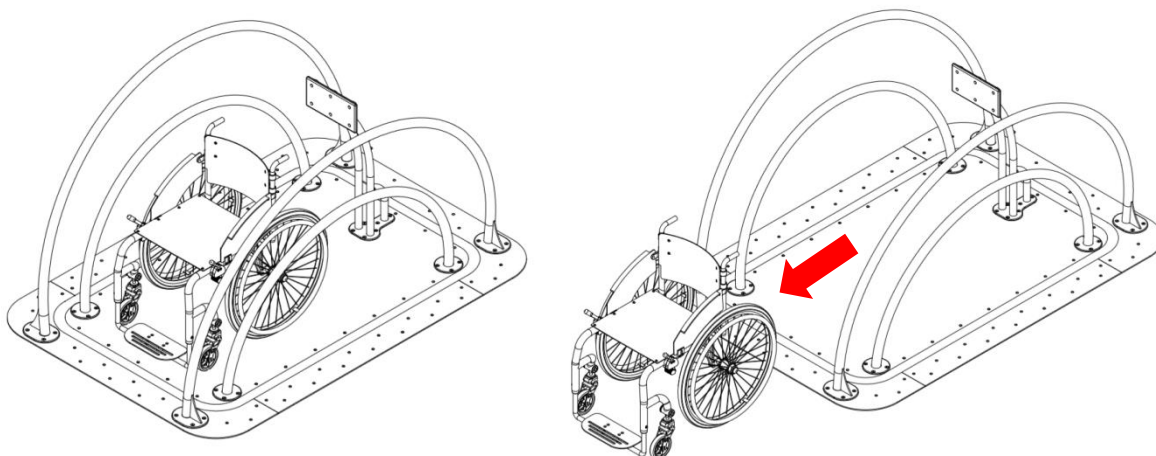
4. Fun and play

The device gives the possibility of multi-faceted movement. The outer railings are stationary while the inner railings move with the platform. Depending on the coordination abilities of user one or the other barriers can be used.

The wheelchair user sets the device in motion by pulling himself to the barriers, while a non-disabled user can move by shifting the weight of the body from leg to leg while standing on a platform.



5. Unfasten the safety belts and exit the Rocker



WARNING! It is forbidden to climb on the Spring Rocker construction elements!



WARNING! It is forbidden to overload the Spring Rocker!



Before using the Spring Rocker, it is absolutely necessary to read this User Guide and follow the guidelines.



The User Guide is also available on the website www.termamed.pl in the "Download" tab.



TERMA Sp. z o.o. or a service designated by the manufacturer are the only entity that can perform repairs and inspections. The manufacturer is not responsible for modernization and repairs made by other entities.



In the case of any device damage or any user injury, report the incident to the manufacturer immediately. Additionally, please complete the "Incident Report Form" and send it to the Manufacturer by e-mail or letter. The "Incident Report Form" is included in this User Guide and on the website www.termamed.pl in the "Download" tab.

5. WARRANTY

Terma Sp. z o.o. guarantees good condition and efficient operation of the device mentioned in the Warranty Card, hereinafter referred to as Product, according to the technical and exploitation details described in the user guide.



Warranty confirms the responsibility of the entity who introduced the product to the market to free of charge removal of any faults of the product that was sold. The warranty does not limit or suspend buyer's rights resulting from nonconformity of the goods with the contract.

1. The warranty period starts on the day of receipt of the Product and lasts for 36 months for:
 - main frame of the device, made of black steel with epoxy primer and powder coated or stainless steel,
 - hot deep galvanized thross made of black steel,
 - aluminum ruffled plates,
 - concrete foundation blocks offered by a Manufacturer.The warranty lasting 24 months from the receipt of the Product refers to:
 - moving, connecting and protecting elements, made of steel or plastics,
 - shock absorbing elements,
 - textile elements,
 - HDPE boards,
 - information elements.
2. The free warranty repair shall be understood as the performance by the Guarantor during the warranty period of the specific activity appropriate for removing the defect covered by the warranty. This warranty covers Product defects caused by defective parts or defects in production. Warranty liability covers only defects caused by the underlying causes of the sale.
3. The condition for the Buyer to use the rights given by warranty is to present at the time of the service request a total of:
 - a. Deffective product,
 - b. A proof of purchase.
4. The warranty will be done by the service during 14 working days from the date of acceptance the product to be repaired or from delivering it to the manufacturer's service to the address:

Terma Sp. z o.o.
Czaple 100,
80-298 Gdansk, Poland
58 694 06 04, serwis-medyczne@termagroup.pl
5. The scope of warranty service does not cover the installation, commission and maintenance activities which, in accordance with the user guide, is required to performed by the user of the Product on his own. Warranty repairs do not include periodic maintenance and product reviews, and in particular: cleaning, regulation, performance control, correction of operating errors or parameter programming, and other actions that the user is responsible for.
6. The warranty excludes cases of random damage of the device and coating, independent of operating conditions (for example: thefts, accidents, fires, floods) and mechanical damage caused by improper use.
7. The Buyer, by submitting the Product to the Service, and in particular by sending it to third parties, shall provide him with a secure package. Any damage or damage to the Product resulting from its improper packaging shall be covered by the Buyer. Along with the Product, the Buyer shall include the exact description of the defect that causes the need of repair. The person submitting the complaint should provide his / her personal details: name, address, telephone number (legal basis: art. 23 section 1 point 3 of the Act of August 29, 1997 on the protection of personal data, Journal of Laws of 2002, No. 101, item 926).



8. Guarantor chooses the best way to remove the defect. The Guarantor undertakes to remove physical defects free of charge by repair or replacement of the Product free of defects. Regardless of how defects are removed, the warranty continues.
9. Any faulty Products or parts exchanged under the guarantee become the property of Terma Sp. o.o.
10. If only a part of the Product is defective and can be detached from the Product in accordance with the technical and operating conditions described in the user guide, the Buyer's right under these Warranty Terms shall be limited to the repair of the defective part of the Product only.
11. The Buyer has the right to exchange the Product for the new one, free from defects, if:
 - a. During the warranty period referred to in Section 1, the Service will carry out five warranty repairs and the Product will still reveal defects that prevent it from being used for its intended purpose, or
 - b. The service will confirm in writing that removal of the defect is impossible.
12. User loses warranty rights in case of:
 - a. The statements made in the Product unauthorized construction changes or adjustments not covered in the User Guide.
 - b. The statements made attempts to repair and interference by third parties.
 - c. statements of parts and supplies not recommended by the manufacturer and guarantee.
13. The warranty does not support:
 - a. Damage resulting from improper storage, transport, failure to perform maintenance procedures, periodic inspections.
 - b. Damages resulting from maintenance and repair activities performed by the user contrary to the operating instructions.
 - c. Damage caused by the user's fault or ignorance.
 - d. Product damage resulting from natural wear and tear as a consequence of its use.
 - e. Damage caused by vandalism.
 - f. Damages resulting from the use of non-original spare parts or the use of consumables not intended for use with the Product.
 - g. Products whose Warranty Card or serial numbers have been altered, obliterated or obliterated in any way.
 - h. Defects resulting from incorrect (inconsistent with the instructions or art) assembly by an external entity commissioned by the Guarantor for assembly
14. Warranty does not cover parts and materials whose consumption is a natural consequence of work, and these are, in particular, consumable items that are clearly consumed during the operation of the Product.
15. Warranty rights do not include the buyer's right to demand the return of the lost profits in connection with the failure and repair of the Product.
16. The manufacturer is not responsible for the quality of the installation of the device performed by an external entity. Before putting the device into use, perform a functional inspection and check the device for possible mechanical damage and assembly that ensures compliance with the standard.

6. INCIDENT APPLICATION FORM



In the event of an incident that results in damage to the equipment or injury to the patient, manufacturer must be immediately reported. After filling the "Incident application form," given below, it should be provided to the manufacturer by e-mail termamed@termamed.pl or by Post Office service.

Name of institution:	
Address:	
Institution contact details:	
Name and surname of person involved in the incident:	
Contact details of the person involved in the incident, e-mail phone number	
Date of the incident:	
Date of the notification:	
Description of the incident:	
Consequences of the incident:	
Taken remedial measures:	



Additional information	